

CONTAMINATION SCREENING EVALUATION REPORT
(PONDS)

Florida Department of Transportation

District 1

SR 70

Limits of Project: from Lorraine Road to CR 675/Waterbury Road

Manatee County, Florida

Financial Management Number: 414506-2

ETDM Number: 14263

Date: MARCH 2019

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

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EVALUATION REPORT (PONDS)**

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DISTRICT ONE**

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Executive Summary

The purpose of this report is to present the findings of a Level I contamination screening in accordance with Chapter 20 of the Project Development and Environment (PD&E) Manual. Off-site drainage locations were evaluated for this contamination screening. Multiple drainage locations (fourteen in total) were evaluated in each drainage basin to support the Pond Siting Report. The mainline corridor was not evaluated as part of this report; rather, it was addressed independently and presented under separate cover. No Level II testing has been completed to date for these drainage locations.

The methodologies performed for this study included a search for contamination sites that may have the potential for hazardous material or petroleum impacts to the fourteen drainage locations. Of the fourteen drainage locations, eight received initial risk ratings of Medium. No sites received a High rating. The remainder of the sites were rated No. Seven of the pond locations were assigned a Medium rating due to current or historical row crops or citrus groves within the pond boundaries. The remaining drainage site was assigned a Medium risk rating due to the proximity of an adjacent contaminated gas station. Furthermore, this gas station is located within 500 feet of the pond site, which will require verification testing should dewatering and discharge occur under a National Pollutant Discharge Elimination System (NPDES) permit.

If any of the Medium rated pond sites are selected for final design, Level II testing is recommended to verify or determine possible contamination impacts. For any pond sites associated with row crops or citrus groves, soil samples are recommended to evaluate surficial soil quality. This is recommended as an initial screening to determine if deeper soil sampling or groundwater testing are necessary. Laboratory analysis could include some or all of the following: metals, pesticides, herbicides, and others. If the pond site located near the contaminated gas station is selected for final design, soil samples should be collected for field screening and a select number should be retained for laboratory analysis for confirmation purposes. Temporary monitoring wells should be installed so that groundwater conditions can be evaluated. The samples should be analyzed for petroleum-related contamination for some or all of the following: volatile organic compounds, polynuclear aromatic hydrocarbons, and total recoverable petroleum hydrocarbons.

The Level II testing has been included as a follow-up to this Level I due to the advanced design activities of this project. The specific Level II scope will be submitted to the District Contamination Impact Coordinator for review and approval once this Level I report has been finalized and the preferred pond locations have been selected.

Level II testing is not recommended for pond sites with a risk rating of No.

1.0 Introduction

This Level I Contamination Screening Evaluation Report (CSER) has been prepared for the SR 70 from Lorraine Road to CR 675 (Waterbury Road) roadway improvements, in Manatee County, Florida. The information presented is intended to provide an initial risk rating of fourteen proposed pond alternatives to support the Pond Siting Report design documents. The CSER for the mainline corridor will be presented under separate cover. This report presents the results of our findings from field observations, regulatory database searches, and review/evaluation of available data. Any necessary Level II testing or bridge surveys for asbestos or paint will be performed by the FDOT's Contamination Assessment and Remediation (CAR) contractor.

2.0 Project Setting

2.1 Land Use

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 as to target areas for potential contaminants.

Historical aerial photographs were reviewed as part of the Level I CSER 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 1948, 1957, 1973, 1980, 1991, 1995, 1999, 2003, 2004-2008, 2010, 2012-2014, and 2016-2018 were reviewed from the University of Florida, FDOT Survey & Mapping, and Google Earth online libraries. A summary of our review is discussed in the table below. A copy of the 2014 aerial photograph is presented in **CSER-Appendix A**. Copies of select historical aerial photographs are presented in **CSER-Appendix C**.

Pond locations are presented in **CSER-Appendix A**. Additional site specific current land use details regarding facilities/sites of concern are included in **Section 5.0**.

Table 1: Historical Land Use - Pond Alternatives	
Pond Alternative	Comments
SMF 1A	From 1948, the entire pond area appears as undeveloped land. SR 70 present to the south, Lorraine Rd. present to the west. No significant changes in 1957 aerial. Area appears as agricultural land in 1973 aerial, surrounding land appears as agricultural. No significant changes in 1980 aerial. Pond area appears as row crops in 1991 aerial. Row crops apparent surrounding to the north, east, and south. Row crops no longer apparent onsite in 1995 aerial. Pond site appears as grassland in 1998 aerial. Surrounding row crops no longer apparent. Land appears cleared in 2004 aerial, residential development apparent to the south. Pond area appears as grassland in 2006 aerial, row crops apparent to the east. Pond area is being utilized as a construction staging area in conjunction with the post office being constructed adjoining north in 2008 aerial. Area appears as grassland in 2010 aerial, post office apparent to the north, residential neighborhood apparent to the south, man-made pond and land clearing apparent to the east, Post Blvd. apparent to the east. No significant changes in 2012 aerial, recreational complex apparent to the east. No significant changes from 2013 to 2016. Pond area is being utilized as a construction staging area in conjunction with the commercial business construction to the west in 2017 aerial. Area appears as grassy field in 2018 aerial.
SMF 2A	From 1948, the entire pond area appears as undeveloped land. SR 70 and Lorraine Rd. present to the south. No significant changes in 1957 aerial. Area appears as pastureland in 1973 aerial. Residence apparent onsite in 1980 aerial, residences apparent surrounding pond area to the north, manmade ponds added offsite west. Surrounding areas appear more wooded in 1991 aerial. No significant changes from 1995 to 2004 aerial, plant nursery apparent to the west in 2003 aerial. Construction apparent adjoining pond area to the south in 2005 aerial. Fuel station apparent adjoining south in 2006 aerial, further residential development to the south. Land clearing apparent to the east, west, and south in 2007 aerial. Commercial businesses apparent adjoining to the south in 2008 aerial. No significant changes since 2012, surrounding areas appear more developed.
Joint Use	From 1948, the entire pond area appears as undeveloped land. SR 70 present to the south, Lorraine Rd. present to the west. No significant changes in 1957 aerial. Area appears as agricultural land in 1973 aerial, surrounding land appears as agricultural. No significant changes in 1980 aerial. Pond area appears as row crops in 1991 aerial. Row crops apparent surrounding pond area. Row crops no longer apparent onsite in 1995 aerial. Pond site appears as grassland in 1998 aerial, surrounding row crops no longer apparent. Land appears cleared in 2004 aerial, residential development apparent to the south. Pond area appears as row crops in 2006 aerial, row crops apparent to the east and north. Row crops no longer apparent in 2008 aerial, pond area appears as grassland with man-made pond onsite. Construction of post office apparent to the north. Pond area appears as man-made pond in 2010 aerial, post office apparent to the north, land clearing apparent to the east. No significant changes in 2012 aerial, recreational complex apparent to the east. No significant changes from 2013 to 2018. Commercial business construction to the west apparent in 2017 aerial.
FPC 1A	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the south, ponds apparent to the east. No significant changes in 1957 aerial. Area appears partially as agricultural land in 1973 aerial, canal apparent along central area, surrounding land appears as agricultural. No significant changes in 1980 and 1991 aerials. Row crops apparent to the west in 1991 aerial. Pond area appears mostly as woods in 1995 aerial with the eastern boundary being utilized as agricultural land. No significant changes in 1998 aerial, Uihlein Rd. apparent to the east. Row crops apparent along western boundary in 2003 aerial, row crops apparent to the north and east. Row crops no longer apparent onsite in 2006 aerial. Pond area appears as mostly woods and grassland in 2007 aerial. No significant changes since 2008 aerial.
FPC 2A	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the south, ponds apparent to the north. No significant changes in 1957 aerial. Area appears as agricultural land in 1973 aerial, canal apparent to the west, surrounding land appears as agricultural. No significant changes in 1980 aerial. Uihlein Rd. apparent on eastern portion of pond area, row crops apparent to the west in 1991 aerial. Pond area appears to be utilized as agricultural land in 1995 aerial. No significant changes in 1998 aerial. Row crops apparent onsite in 2003 aerial, row crops apparent to the north. Row crops no longer apparent onsite in 2006 aerial. Pond area appears as mostly grassland in 2007 aerial. No significant changes since 2008 aerial. Offsite residential construction to the east apparent in 2016 aerial.
Alternative 1 D-G	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the south. No significant changes in 1957 aerial. Area appears as mostly woods in 1973 aerial. Pond area appears mostly wooded in 1991 aerial. Surrounding areas to the north, east, and west appear as row crops. No significant changes apparent in 1995 aerial. Row crops no longer apparent surrounding pond area in 1999 aerial. Pond area appears less wooded in 2014 aerial, offsite construction apparent to the east. Land clearing activities apparent to the west in 2017 aerial, man-made pond apparent to the west.

Table 1: Historical Land Use - Pond Alternatives	
Pond Alternative	Comments
Alternative FPC-1B	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the north. No significant changes in 1957 aerial. Pond area and surrounding areas appear as agricultural land in 1973 aerial. No significant changes in 1980, 1991, 1995, and 1999 aeriels. Row crops apparent to the south in 2003 aerial. Southern portion of pond area appears as row crops, northern and eastern portion appear as woods. Row crops no longer apparent in 2016 aerial. Offsite construction is apparent to the west in 2018 aerial.
Alternative FPC-2B	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the north. Dirt trail apparent in 1957 aerial. No significant changes in 1973, 1980, 1991, 1995, and 1999 aeriels. Residences apparent to the north, golf course apparent to the south, and row crops apparent to the west in 2005 aerial. No significant changes since 2007.
Alternative 2 D-J	From 1948, the pond area appears as undeveloped land and woods. Two ponds are located onsite. SR 70 present to the north. No significant changes in 1957 aerial. Pond area and surrounding areas appear as agricultural land in 1973 aerial. No significant changes in 1980, 1991, 1995, and 1999 aeriels. Pond area used as row crops in 2003 aerial. Row crops no longer apparent in 2016 aerial. Offsite construction is apparent to the west in 2018 aerial.
Alternative 1 G-H	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the north. No significant changes in 1957 aerial. Pond area appears slightly more wooded in 1973 aerial. No significant changes in 1980, 1991, and 1995, and 1999 aeriels. Residences apparent offsite to the north and south in 2003 aerial. Golf course apparent to the west in 2005 aerial. No significant changes since 2006. Surrounding areas appear more developed.
Alternative FPC-1C	From 1948, the pond area appears as undeveloped land and woods. Canal apparent onsite, SR 70 present to the south. Pond area appears slightly more wooded in 1957 aerial. No significant changes since 1973, communications tower apparent offsite to the west in 2016 aerial. Surrounding areas appear more developed.
Alternative FPC-2C	From 1948, the pond area appears as undeveloped land and woods. Dirt trail apparent onsite at the northern portion and canal apparent onsite on western portion of pond area. SR 70 present to the north. Pond area appears slightly more wooded in 1957 aerial. No significant changes since 1973, residences apparent adjoining to the north and west in 2003 aerial. Surrounding areas appear more developed.
Alternative 1 H-J	From 1948, the pond area appears as undeveloped land and woods. Canal apparent offsite to the north, SR 70 present to the south. Pond area appears slightly more wooded in 1957 aerial. No significant changes since 1973, communications tower apparent offsite to the west in 2016 aerial. Surrounding areas appear more developed.
Alternative 3 Regional	From 1948, the pond area appears as undeveloped land and woods. SR 70 present to the south. No significant changes apparent in 1957 aerial. Pond area appears as agricultural land in 1973 aerial. No significant changes in 1980 aerial. Pond area appears to be used on and off as row crops since 1991 aerial. Surrounding areas appear more developed.

2.2 Hydrogeological and Physiographic Features

Hydrogeological features can be indicators of possible contamination concerns; therefore, they are reviewed as part of the CSER process. The hydrological features such as rivers, artesian wells, creeks, sinks, mines, well fields, etc. provided on governmental maps and identified in regional soils and geology literature are reviewed for the noted items which fall within the project limits. The features are evaluated to determine if there are any known areas, or other regional contamination concerns that may contribute to contamination influences within the project limits. Information for **Section 2.2** was derived from various Florida Geological Society publications.

Regional Physiography

Manatee County lies within the Floridian section of the Coastal Plain Province. Manatee County consists almost entirely of Coastal Lowlands. The Coastal Lowlands are made up mainly of nearly level plains that have emerged so recently from the sea that large areas have undergone little or no dissection. Invasions of the sea in the Pleistocene epoch have left successive shorelines at about 100, 70, 42, and 25 feet above present sea level. The marine terraces corresponding to the shorelines have been named respectively, the Wicomico, Penhaloway, Talbot, and Pamlico terraces.

Most areas of the county are level. Some areas in the central and northeastern parts are gently rolling. Elevations range from slightly lower than 150 feet in the northeastern tip to sea level along the gulf coast.

Regional Geology and Hydrogeology

The near surface geologic deposits and formations from youngest to oldest in Manatee County include: Undifferentiated sediments, Shelly sediments, the Hawthorn Group Peace River Formation, the Hawthorn Group Peace River Formation Bone Valley Member, the Hawthorn Group Arcadia Formation, and the Hawthorn Group Arcadia Formation Tampa Member.

The Undifferentiated sediments and Beach and Ridge dunes are siliciclastics that are light gray, tan, brown to black, unconsolidated to poorly consolidated, clean to clayey silty, unfossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty clays. The Shelly sediments are variably calcareous and fossiliferous quartz sands to well indurated, sandy, fossiliferous limestones with clayey sands and sandy clays present.

The Peace River Formation is primarily found near the surface in northwestern Manatee County and is composed of interbedded sands, clays and carbonates. The sands are generally light gray to olive gray, poorly consolidated, clayey, variably dolomitic, very fine to medium grained and phosphatic. The clays are yellowish gray to olive gray, poorly to moderately consolidated sandy, silty, phosphatic and dolomitic. The carbonates are light gray to yellowish gray, poorly to well indurated, variably sandy and clayey, and phosphatic. The carbonates often include opaline chert. The Bone Valley Member is a clastic unit consisting of sand-sized and larger phosphate grains in a matrix of quartz sand, silt and clay. The lithology is highly variable ranging from sandy, silty, phosphatic clays and relatively pure clays to clayey, phosphatic sand to sandy, clayey phosphorites and is found within 50 feet of the surface in eastern Manatee County. The Peace River Formation is a semi-confining unit and forms an intermediate aquifer system in eastern Manatee County.

The Arcadia Formation is predominantly a carbonate unit with variable siliciclastic component. Arcadia Formation is composed of yellowish gray to light olive gray to light brown, micro to finely crystalline, variably sandy, clayey and phosphatic, fossiliferous limestones and dolostones. Thin beds of sand and clay are common. The sands are yellowish gray, very fine to medium grained, poorly to moderately indurated, clayey, dolomitic and phosphatic. The clays are yellowish gray to light olive gray, poorly to moderately indurated, sandy, silty, phosphatic and dolomitic.

The Tampa member of the Arcadia Formation is white to yellowish gray, fossiliferous and variably sandy and clayey mudstones, wackestone and packstone with minor to no phosphate grains. In Manatee County the Tampa member is found about 300 feet below land surface and is approximately 100 to 150 feet thick and is part of the Floridan Aquifer System.

2.3 USGS Quadrangle Map

Topographic maps are reviewed to develop an understanding of previous land uses in the project corridor 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 "Lorraine, Florida"

Quadrangle dated 1973 photorevised 1987 was reviewed as part of this study. A copy of the topographic map is provided in **CSER-Appendix B**. The following details are provided for each pond site as a result of our USGS map review:

SMF 1A: The entire pond site is shaded white to indicate developed land.

SMF 2A: The entire pond site is shaded white to indicate developed land.

Joint Use: The entire pond site is shaded white to indicate developed land.

FPC 1A: The pond site is shaded white to indicate developed land as well as blue grass-shaped symbols indicating a wet area.

FPC 2A: The pond site is shaded white to indicate developed land as well as a blue line indicating a canal/waterway on the western portion.

Alternative 1 D-G: The pond site is shaded green to indicate woods as well as blue grass-shaped symbols indicating a wet area.

Alternative FPC-1B: The entire pond site is shaded white to indicate developed land.

Alternative FPC 2B: The entire pond site is shaded green to indicate woods.

Alternative 2 D-J: The entire pond site is shaded white to indicate developed land.

Alternative 1 G-H: The entire pond site is shaded white to indicate developed land.

Alternative FPC-1C: The pond site is shaded green and white to indicate woods and developed land. A blue line indicating a canal/waterway is apparent on the western portion.

Alternative FPC-2C: The pond site is shaded green and white to indicate woods and developed land. A blue line indicating a canal/waterway is apparent on the western portion.

Alternative 1 H-J: The pond site is shaded green and white to indicate woods and developed land.

Alternative 3 Regional: The entire pond site is shaded white to indicate developed land.

No contamination concerns were identified during the review of the USGS map.

3.0 Methodology

This contamination screening was conducted for fourteen pond alternatives. The purpose of the CSER is to evaluate the potential for contamination impacts associated with proposed construction within the project limits. The evaluation included the following tasks:

- Document review using Manatee County Property Appraiser's website;
- A regulatory review of governmental databases for permits and or violations associated with contamination issues;

- Obtaining and evaluating historical aerial photographs, topographic maps and soil surveys in an effort to determine potential contamination problem areas;
- Conducting site visits to verify information provided and to identify other potential concerns within the vicinity of the project;
- Determining the contamination potential and assigning a risk rating for each property or pond within the proposed project limits.

3.1 Regulatory Review

An environmental database search using Environmental Data Management, Inc. (EDM) was conducted on October 18, 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 (CERCLA), and National Priorities List (NPL) 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**.

3.2 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. A copy of useful documentation is included in **CSER-Appendix F**.

- FDEP Map Direct
- FDEP OCULUS Document Management System
- FDEP Storage Tank/Contaminated Facility (STCF) search
- FDEP Hazardous Waste Facilities Search
- FDEP Solid Waste Facility Inventory
- EPA EnviroMapper for Envirofacts Multi-system Search

3.3 Site Reconnaissance

A site visit was conducted on October 24, 2018 to observe each pond alternative, confirm known contamination sites, and to evaluate each property in close proximity to the pond alternatives for potential contamination. The reconnaissance included a systematic inspection of each parcel within the study area looking for signs of potential contamination. This was achieved by first obtaining generalized information on the study area, then walking specific parcels of interest in proximity to the pond alternatives to gain specific information regarding the usage and condition of the parcel. Photographs of the pond alternatives and other prominent features were obtained during the site inspection. Select images are presented in **CSER-Appendix E**.

Some of the typical physical indicators for contamination include: underground storage tank (UST)/aboveground storage tank (AST) fill ports and vent pipes; oil/petroleum staining; drums; chemical containers; refuse; illicit dumping; solid waste; stressed vegetation; dry cleaning facilities; materials handling from adjacent businesses; petroleum dispensers; excavated areas; agricultural use areas; chemical mix/load areas; stormwater outfall areas; surface water indicators; and other property uses that may present contamination concerns.

The site reconnaissance in conjunction with the review of historical aerial photography and regulatory information, allows the site to be rated as to the degree of contamination concerns as discussed in the following **Section 4.0**.

3.4 Interviews/Correspondence

Communication with land owners, 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. Applicable records of communication, if any, documenting interviews or email correspondence are included in **CSER-Appendix F**.

4.0 Determination of Potential Risk

After gathering and reviewing all readily available public information and conducting site reconnaissance, contamination risk ratings were assigned to each pond alternative. 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 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 had been handled on the property. However, findings from the contamination screening evaluation or sampling and testing results indicate that contamination impacts are not expected.

Low Risk Site

A review of available information indicates that former or current activities on the property have an ongoing contamination issue, has a hazardous waste generator ID number, or handles hazardous materials in some capacity. However, based on the review of conceptual or design plans and/or findings from the contamination screening evaluation or sampling and testing results, 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 contamination screening evaluation or sampling and testing results, 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.

While not specifically discussed in Chapter 20 as a basis for a “High” risk rating, sites located within 500 feet of the project limits also receive this rating when identified as contaminated by state and/or federal regulatory agencies. This rating is assigned in consideration of a dewatering permit that may be necessary under the National Pollutant Discharge Elimination System (NPDES) program.

5.0 Contamination Evaluation

When facilities/sites are identified in proximity to the ROW, they are assigned a risk rating using the FDOT's standard methodology (High, Medium, Low or No). In a similar manner, pond alternatives are assigned a risk rating so they can be evaluated as part of the overall engineering design process. Details for each location investigated are provided below.

5.1 SMF 1A

During the site reconnaissance, SMF 1A was observed as vacant land. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include a US Post Office to the north, a stormwater pond to the east, woods to the west, and a paved road followed by vacant land to the south. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves

Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, SMF 1A is assigned a risk rating of "Medium."

5.2 SMF 2A

During the site reconnaissance, SMF 2A was observed as a vacant residence. Two structures and two pole barns are onsite. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include a fuel station and commercial businesses to the south, and a plant nursery to the west. The land to the north was being cleared of all vegetation with heavy machinery, and the land to the east was observed as grassland. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 1: State Road 70 E; No address; NPDES ID: FLR10MD74
Proximity: 415 feet southwest of SMF 2A

During the site reconnaissance, this facility was observed as SR 70. According to the EDM report, it is registered under the ECHO database as well as the NPDES as a Minor: General Permit Covered Facility whose permit expired on 11/2/2017. According to the FDEP website, the U.S. EPA developed the federal NPDES stormwater permitting program in two phases. Phase I, promulgated in 1990, addresses the following sources: "Large" and "Medium" municipal separate storm sewer systems (MS4s) located in incorporated places and counties with populations of 100,000 or more, and eleven categories of industrial activity, one of which is large construction activity that disturbs 5 or more acres of land. Phase II, promulgated in 1999, addresses additional sources, including MS4s not regulated under Phase I, and small construction activity disturbing between 1 and 5 acres. In October 2000, EPA authorized the FDEP to implement the NPDES stormwater permitting program in the State of Florida. The NPDES stormwater program regulates point source discharges of stormwater into surface waters of the State of Florida from certain municipal, industrial and construction activities. The sources of stormwater discharges regulated under the NPDES program fall into three categories:

- Construction Activity (CGP)
- Industrial Activity (MSGP) & (NEX)
- Municipal Separate Storm Sewer Systems (MS4)

According to the Three Year Compliance Status by Quarter report, this facility has not had any recent violations. Given the separation distance and lack of reported contamination concerns, this facility is not considered a contamination concern to SMF 2A.

Site 2: Lakewood Ranch Shell; 14315 E SR 70; LUST ID: 9806868
Proximity: adjoining south, tank farm approximately 200 feet south

During the site reconnaissance, this facility was observed as Shell fuel station. According to the EDM report, this facility currently maintains two 20,000-gallon unleaded gasoline Underground Storage Tanks (USTs). In January 2006, petroleum contamination was detected in pea gravel during a replacement of a spill bucket associated with the regular unleaded gasoline UST. A Site Assessment was performed by installing monitor wells around the facility. Recent monitor events occurring in October 2017 indicated all contaminants of concern were below the FDEPs cleanup target levels (CTLs) with the exception of benzo(b)fluoranthene in MW-3, which was found to exceed the CTL but is below the Natural Attenuation Default Concentration (NADC). The contamination plume is contained onsite and does not encroach any surrounding properties. Groundwater in the vicinity was recorded from 5 to 7 feet below grade with a west/southwest flow, away from the pond alternative. Given the close proximity and current contamination status of this facility, it is considered a contamination concern to SMF 2A. Supplemental information can be found in **CSER-Appendix F**.

Site 3: Energy Transfer Company/ETG/Lorraine Farms/Mill Creek Farms/Peerless Manatee; SR 70 and Lorraine Road; TANKS ID: 8624196; Facility ID: 9103335
Proximity: 340 south of SMF 2A

During records review, the location of this facility was identified as Hwy 70 and Lorraine Road. According to the EDM report, this facility has registered storage tanks that have been removed. No discharges have been reported. A tank registration form dated September 1991 included a hand-drawn map of the tanks. Although the map is not drawn to scale, the tanks appear to be nearly 2 miles south of the intersection of SR 70 and Lorraine Road. The area that corresponds to the tank locations in the hand drawn map is now occupied by a large residential subdivision. A storage tank closure form dated 2007 indicates the tanks as well as the facility have been closed. During site reconnaissance, no evidence of this facility was observed at the intersection of SR 70 and Lorraine Road. Supplemental information can be found in **CSER-Appendix F**. Given the considerable distance and lack of a discharge, this facility is not considered a contamination concern to SMF 2A.

Risk Rating

Due to the close proximity of contamination associated with adjoining south Shell fuel station, SMF 2A is assigned a risk rating of "Medium."

5.3 Joint Use Pond

During the site reconnaissance, the Joint Use Pond was observed as two existing ponds. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include a US Post Office to the north, a recreational complex to the east, vacant land to the west, and residences to the south. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves
Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, the Joint Use Ponds are assigned a risk rating of "Medium."

5.4 FPC 1A

During the site reconnaissance, FPC 1A was observed as woods and grassland. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include grassland to the north and east, woods and a recreational complex to the west, and woods followed by SR 70 to the south. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves

Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, FPC 1A is assigned a risk rating of "Medium."

5.5 FPC 2A

During the site reconnaissance, FPC 2A was observed as woods, grassland, and a section of Uihlein Rd. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include grassland to the north, a golf course to the east, woods and a recreational complex to the west, and woods/SR 70 to the south. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves

Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from

these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, FPC 2A is assigned a risk rating of "Medium."

5.6 Alternative 1 D-G

During the site reconnaissance, Alternative 1 D-G was observed as woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods and grassland to the north, woods to the east, SR 70 and woods to the south, and an existing pond and residential subdivision to the west. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative 1 D-G. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, Alternative 1 D-G is assigned a risk rating of "No."

5.7 Alternative FPC-1B

During the site reconnaissance, Alternative FPC-1B was observed as grassland and woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods to the north and east, and grassland to the south. The land to the west was being cleared of all vegetation with heavy machinery. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves

Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, Alternative FPC-1B is assigned a risk rating of "Medium."

5.8 Alternative FPC-2B

During the site reconnaissance, Alternative FPC-2B was observed as woods. A paved pedestrian path was apparent along the northern boundary. A lift station was present in the northwest corner. No evidence of contamination was noted around the lift station. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods and residences to the north, a golf course to the south, grassland to the west, as well as woods and a golf course to the east. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative FPC-2B. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, Alternative FPC-2B is assigned a risk rating of "No."

5.9 Alternative 2 D-J

During the site reconnaissance, Alternative 2 D-J was observed as grassland and woods with an existing pond located on the southeast portion. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Piles of wooden debris were observed on the northwest corner. Surrounding properties include grassland to the north and south. The land to the west was being cleared of all vegetation with heavy machinery. Woods followed by a golf course was observed to the east. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves

Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, Alternative 2 D-J is assigned a risk rating of “Medium.”

5.10 Alternative 1 G-H

During the site reconnaissance, Alternative 1 G-H was observed as woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods to the north and east, residences to the south, and woods to the west. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative 1 G-H. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, Alternative 1 G-H is assigned a risk rating of “No.”

5.11 Alternative FPC-1C

During the site reconnaissance, Alternative FPC-1C was observed as woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods to the north, east, and SR 70 to the south. A cell tower with an emergency diesel generator aboveground storage tank (AST) was observed approximately 80 feet west. No staining or stressed vegetation was noted around this AST. Due to the size of the tank, this facility is not required to be registered and therefore is not listed in the EDM report. No discharges have been reported. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative FPC-1C. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, FPC-1C is assigned a risk rating of “No.”

5.12 Alternative FPC-2C

During the site reconnaissance, Alternative FPC-2C was observed as woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods to the north and east, as well as woods and residences to the south and west. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative FPC-2C. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, FPC-2C is assigned a risk rating of “No.”

5.13 Alternative 1 H-J

During the site reconnaissance, Alternative 1 H-J was observed as woods. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted. Surrounding properties include woods to the north, east, and west. SR 70 is located to the south. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

No sites of concern were listed in the EDM report in relation to Alternative 1 H-J. Additional review of desktop resources indicated no additional sites of concern are present.

Risk Rating

Due to the lack of contamination concerns, Alternative 1 H-J is assigned a risk rating of “No.”

5.14 Alternative 3 Regional with 20’ wide easement

During the site reconnaissance, Alternative 3 Regional with 20’ wide easement was observed as a recently plowed agricultural field. No evidence of fuel storage tanks, monitoring wells, buried debris, or other contamination concerns were noted onsite. Approximately 180 feet north of the 20’ wide easement, a 500-gallon diesel fuel AST in a containment canopy associated with the onsite and surrounding row crops was observed. No evidence of a discharge was observed in or around the AST. Due to the size of the tank, it is not required to be registered and therefore is not listed in the EDM report. No discharges have been reported. Surrounding properties include row crops, woods, and residences. A summary of historical land use is provided in **Section 2.1**.

Nearby sites of concern

Site 4: Historical Row Crops/Citrus Groves Proximity: Onsite

This site was not listed in the EDM report because it is not regulated. Review of historical aerials indicated this pond site was formerly used as row crops. Row crops and citrus groves can be associated with contamination from residual pesticides, herbicides, and heavy metals contaminants in the soil and/or groundwater. Agricultural uses of organic and inorganic pesticides are exempt from most RCRA provisions, provided that the farmers apply the chemicals on their own farms and in accordance with labeled instructions. Spills, improper

application, too much application and application of disallowed pesticides are not exempted from these requirements. Based on this information, areas used as row crops and citrus groves are risk rated "Medium" for potential contamination.

Risk Rating

Due to the past use as row crops, Alternative 3 Regional is assigned a risk rating of "Medium."

6.0 Conclusions and Recommendations

As part of this project, 14 pond alternatives were evaluated for potential contamination concerns. The following risk ratings have been assigned:

Pond Alternative	Risk Rating	Contamination Concern
SMF 1A	Medium	Row crops/citrus groves
SMF 2A	Medium	Row crops/citrus groves
Joint Use Pond	Medium	Row crops/citrus groves
FPC 1A	Medium	Row crops/citrus groves
FPC 2A	Medium	Contamination gas station
Alternative 1 D-G	No	--
Alternative FPC-1B	Medium	Row crops/citrus groves
Alternative FPC-2B	No	--
Alternative 2 D-J	Medium	Row crops/citrus groves
Alternative 1 G-H	No	--
Alternative FPC-1C	No	--
Alternative FPC-2C	No	--
Alternative 1 H-J	No	--
Alternative 3 Regional	Medium	Row crops/citrus groves

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

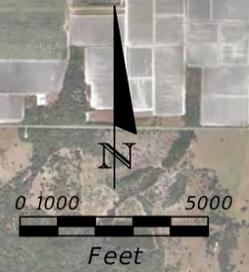
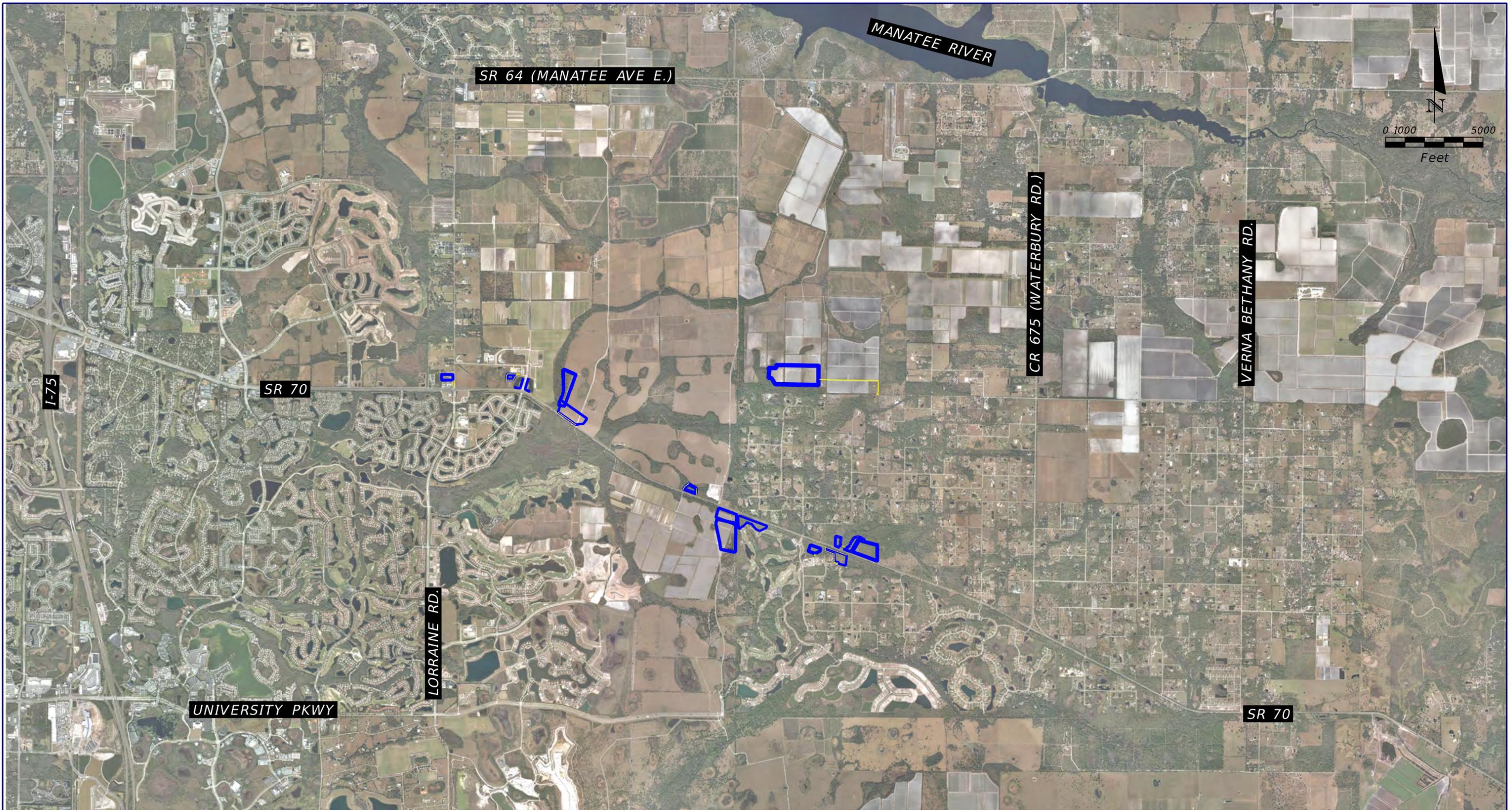
If any of the Medium rated pond sites are selected for final design, Level II testing is recommended to verify or determine possible contamination impacts. For any pond sites associated with row crops or citrus groves, soil samples are recommended to evaluate surficial soil quality. This is recommended as an initial screening to determine if deeper soil sampling or groundwater testing are necessary. Laboratory analysis could include some or all of the following: metals, pesticides, herbicides, and others. If the pond site located near the contaminated gas station is selected for final design, soil samples should be collected for field screening and a select number should be retained for laboratory analysis for confirmation purposes. Temporary monitoring wells should be installed so that groundwater conditions can be evaluated. The samples should be analyzed for petroleum-related contamination for some or all of the following: volatile organic compounds, polynuclear aromatic hydrocarbons, and total recoverable petroleum hydrocarbons.

The Level II testing has been included as a follow-up to this Level I due to the advanced design activities of this project. The specific Level II scope will be submitted to the District Contamination Impact Coordinator for review and approval once this Level I report has been finalized and the preferred pond locations have been selected.

Level II testing is not recommended for pond sites with a risk rating of No.

CSER-Appendix A

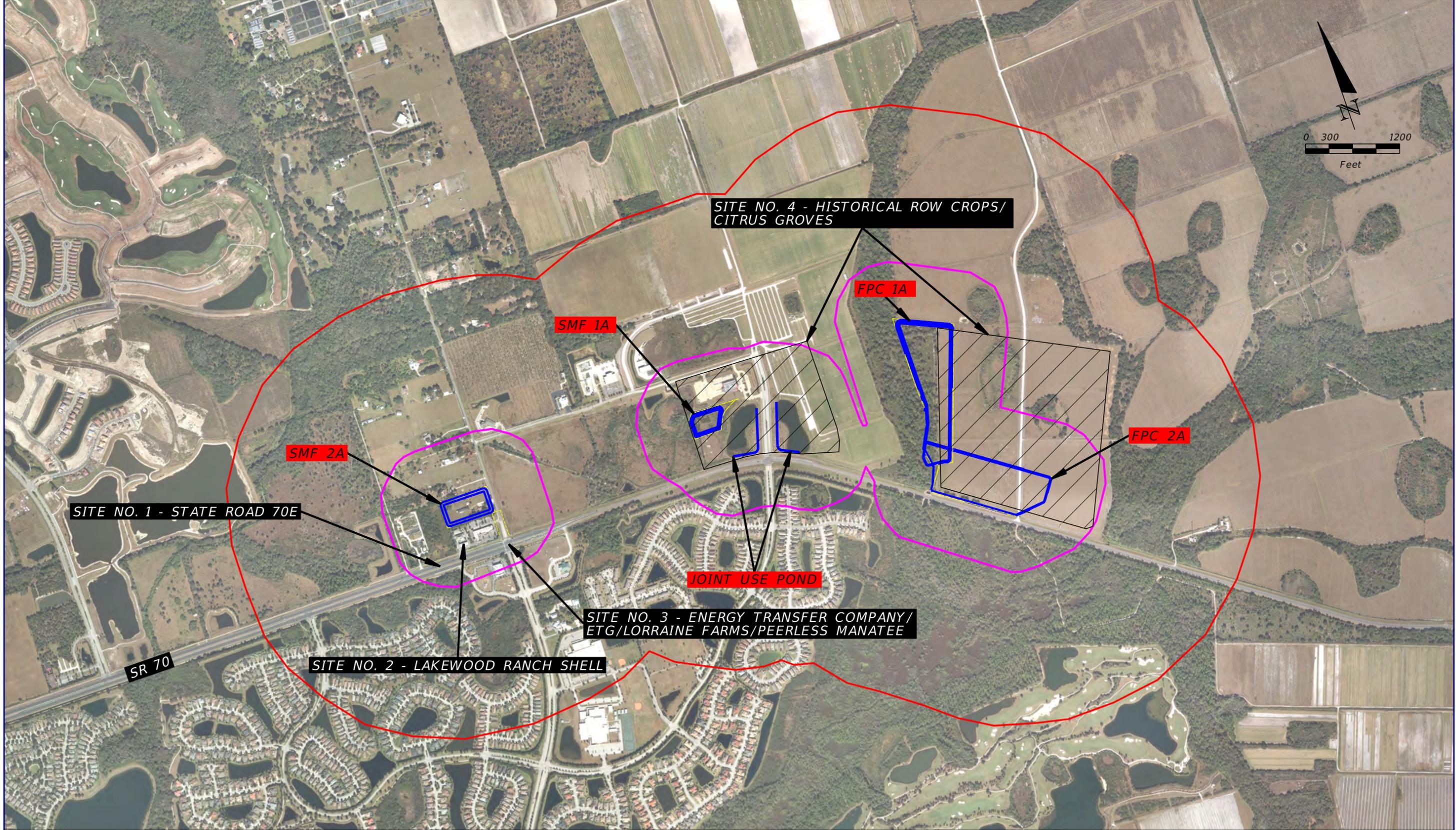
Project Location & Pond Alternatives Location Map



SOURCE: FDOT SURVEY AND MAPPING DATED 2014

PROJECT LOCATION MAP

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. A-1
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



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

POND ALTERNATIVES LOCATION MAP

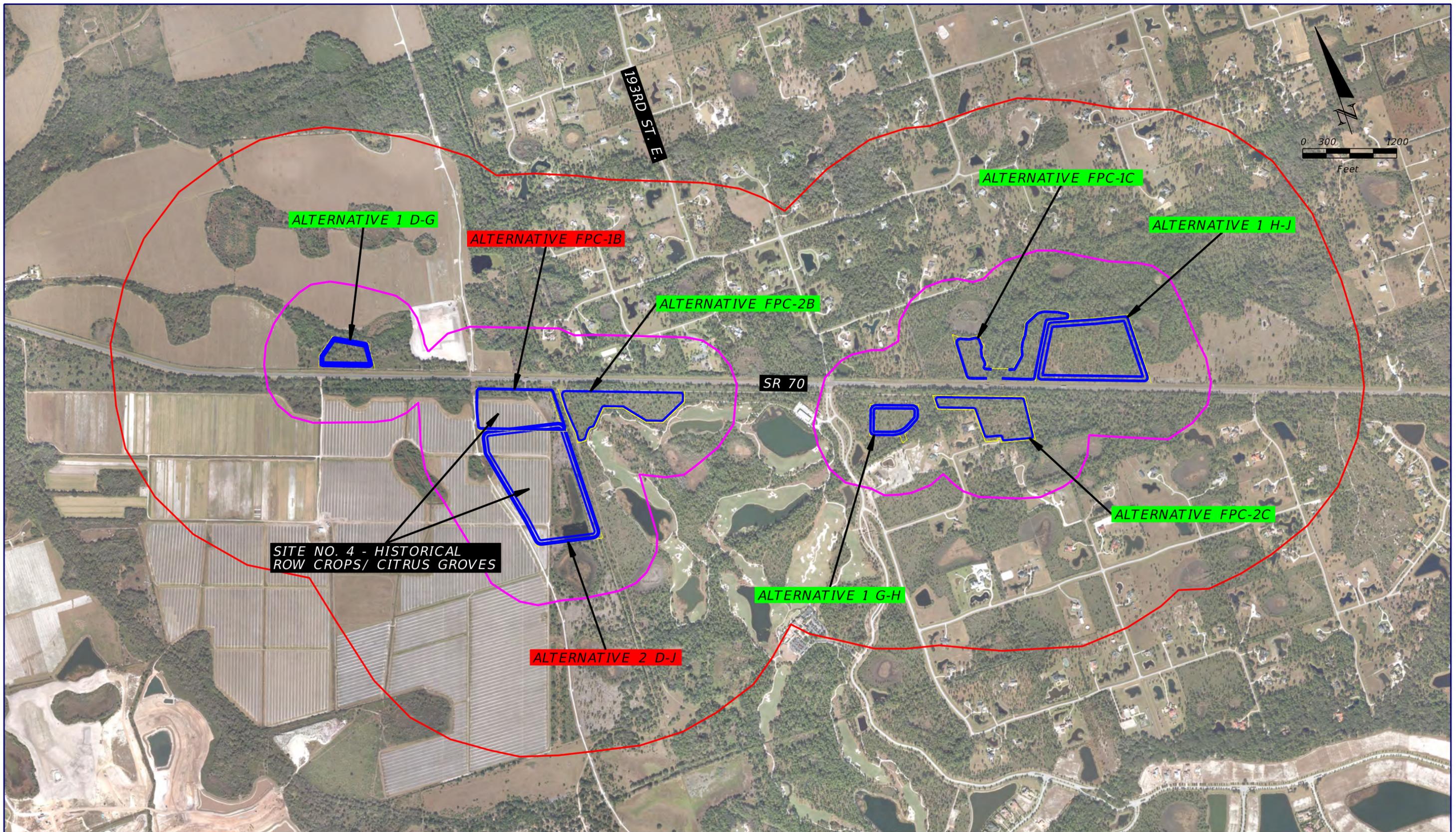
SOURCE: FDOT SURVEY AND MAPPING DATED 2014

PINK LINE: 1/8 MILE SEARCH RADIUS
 RED LINE: 1/2 MILE SEARCH RADIUS

REVISIONS		DATE		DESCRIPTION	

TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
SR 70	MANATEE	414506-2-32-01			

SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)		SHEET NO. A-2
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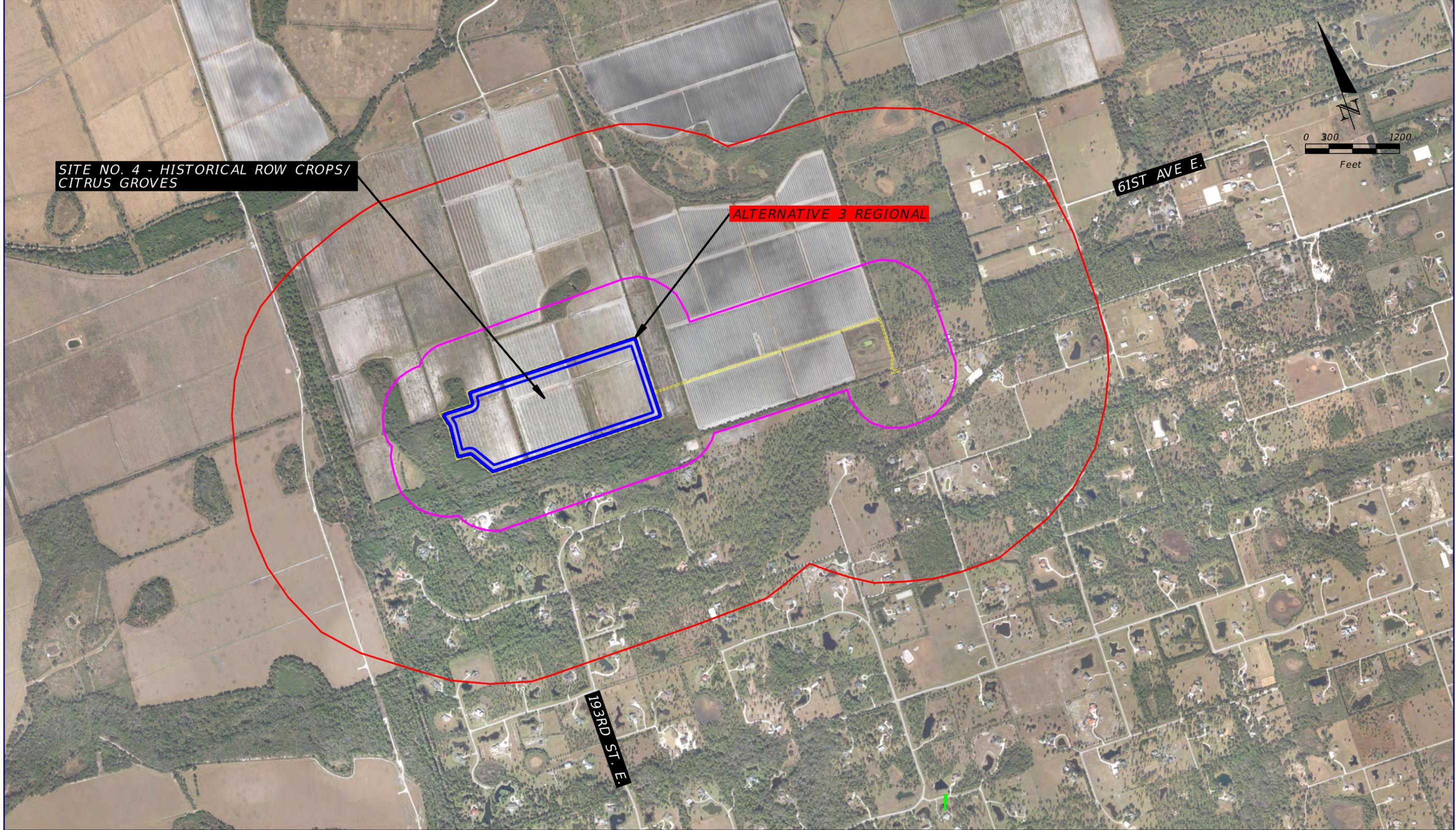
POND NAME GREEN = NO/LOW RISK SITES
POND NAME RED = HIGH/MEDIUM RISK SITES

POND ALTERNATIVES LOCATION MAP

SOURCE: FDOT SURVEY AND MAPPING DATED 2014

PINK LINE: 1/8 MILE SEARCH RADIUS
 RED LINE: 1/2 MILE SEARCH RADIUS

REVISIONS		DESCRIPTION		TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. A-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01			



**SITE NO. 4 - HISTORICAL ROW CROPS/
CITRUS GROVES**

ALTERNATIVE 3 REGIONAL

61ST AVE E.

193RD ST. E.



POND ALTERNATIVES LOCATION MAP

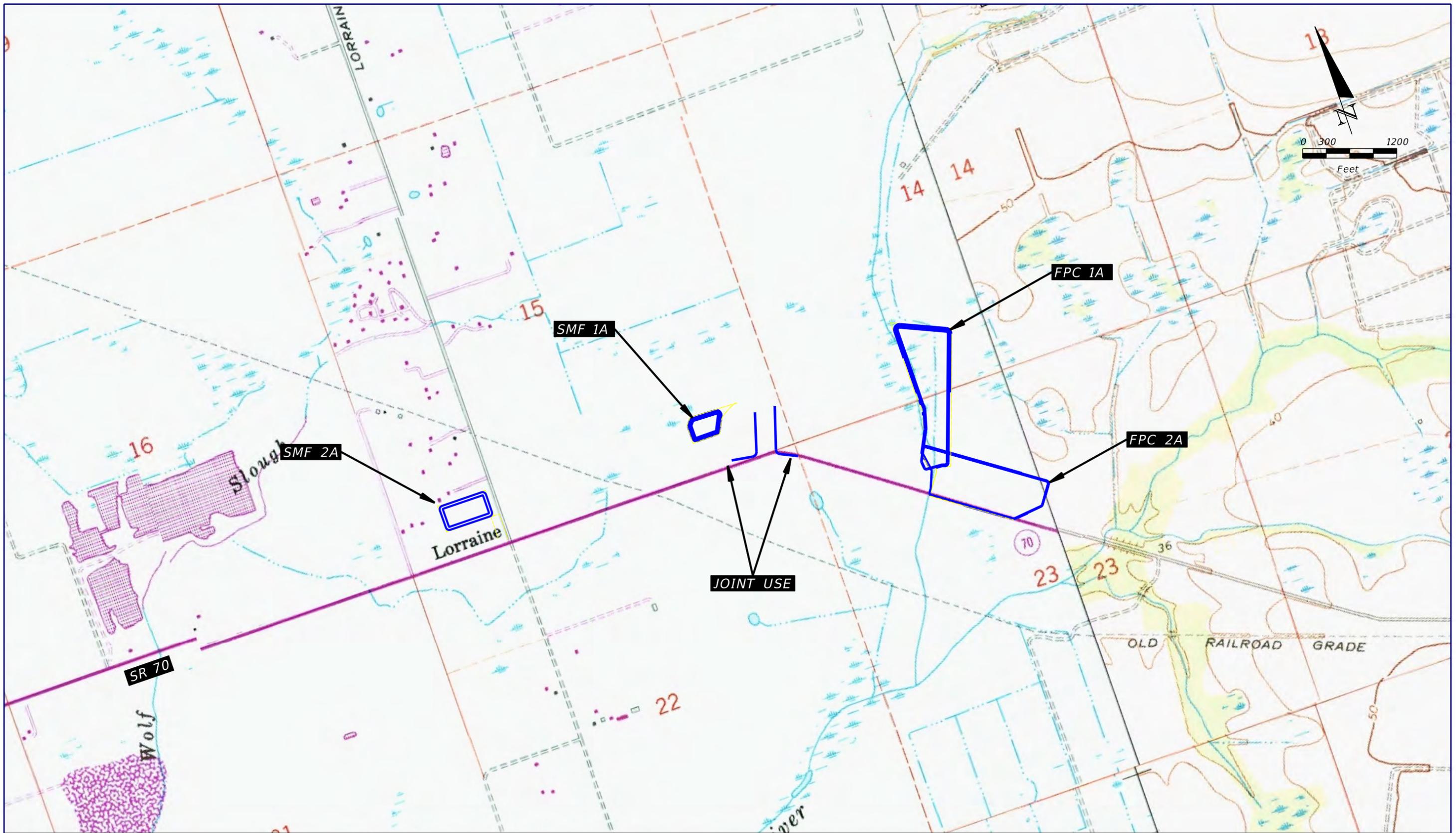
SOURCE: FDOT SURVEY AND MAPPING DATED 2014

- POND NAME** GREEN = NO/LOW RISK SITES
- POND NAME** RED = HIGH/MEDIUM RISK SITES

PINK LINE: 1/8 MILE SEARCH RADIUS
RED LINE: 1/2 MILE SEARCH RADIUS

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. A-4
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				

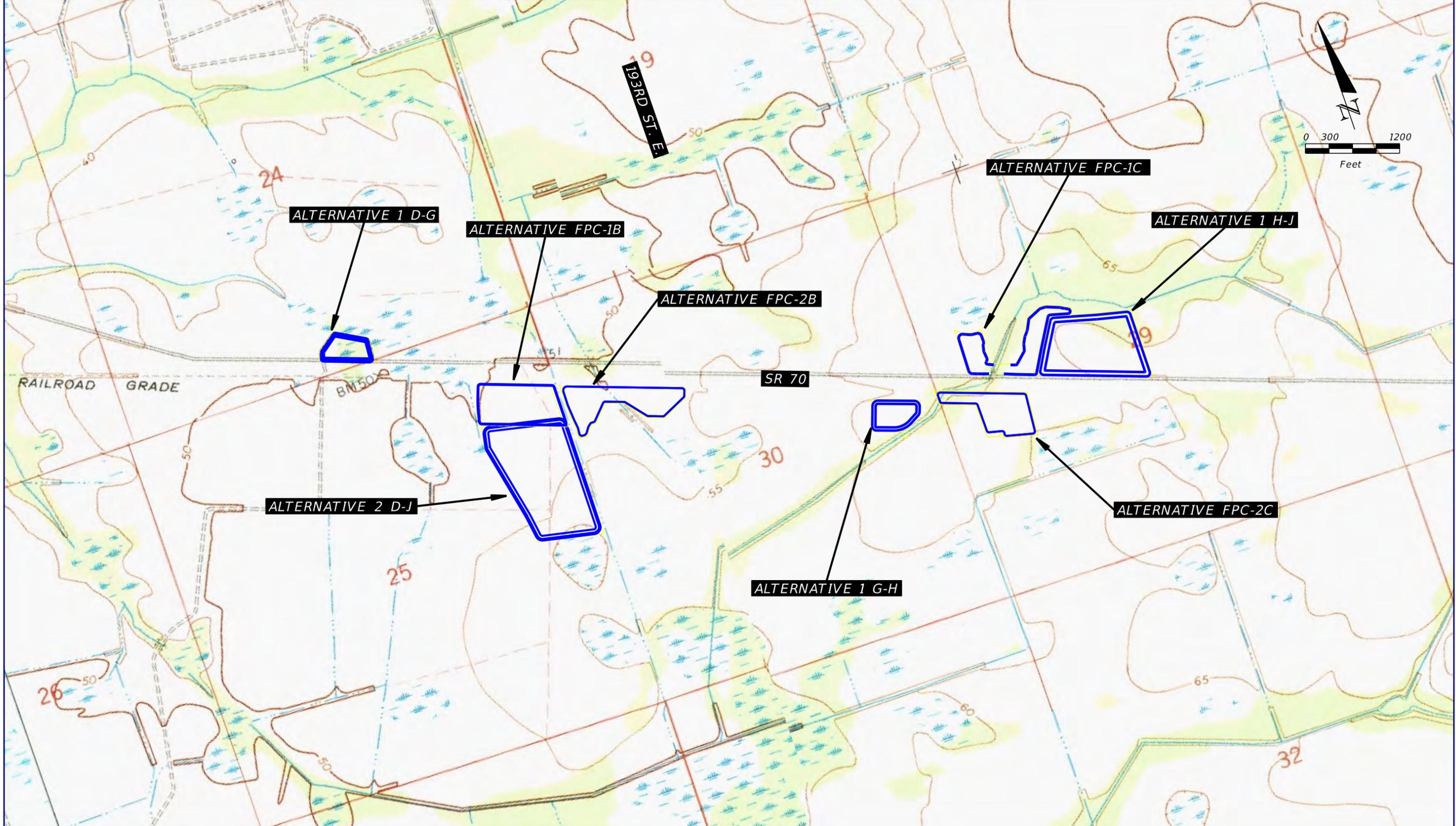
CSEB-Appendix B
USGS Topographic Map



USGS TOPOGRAPHIC MAP

SOURCE: USGS 7.5-MINUTE "LORRAINE, FLORIDA" DATED 1973, (PHOTOREVISED 1987)

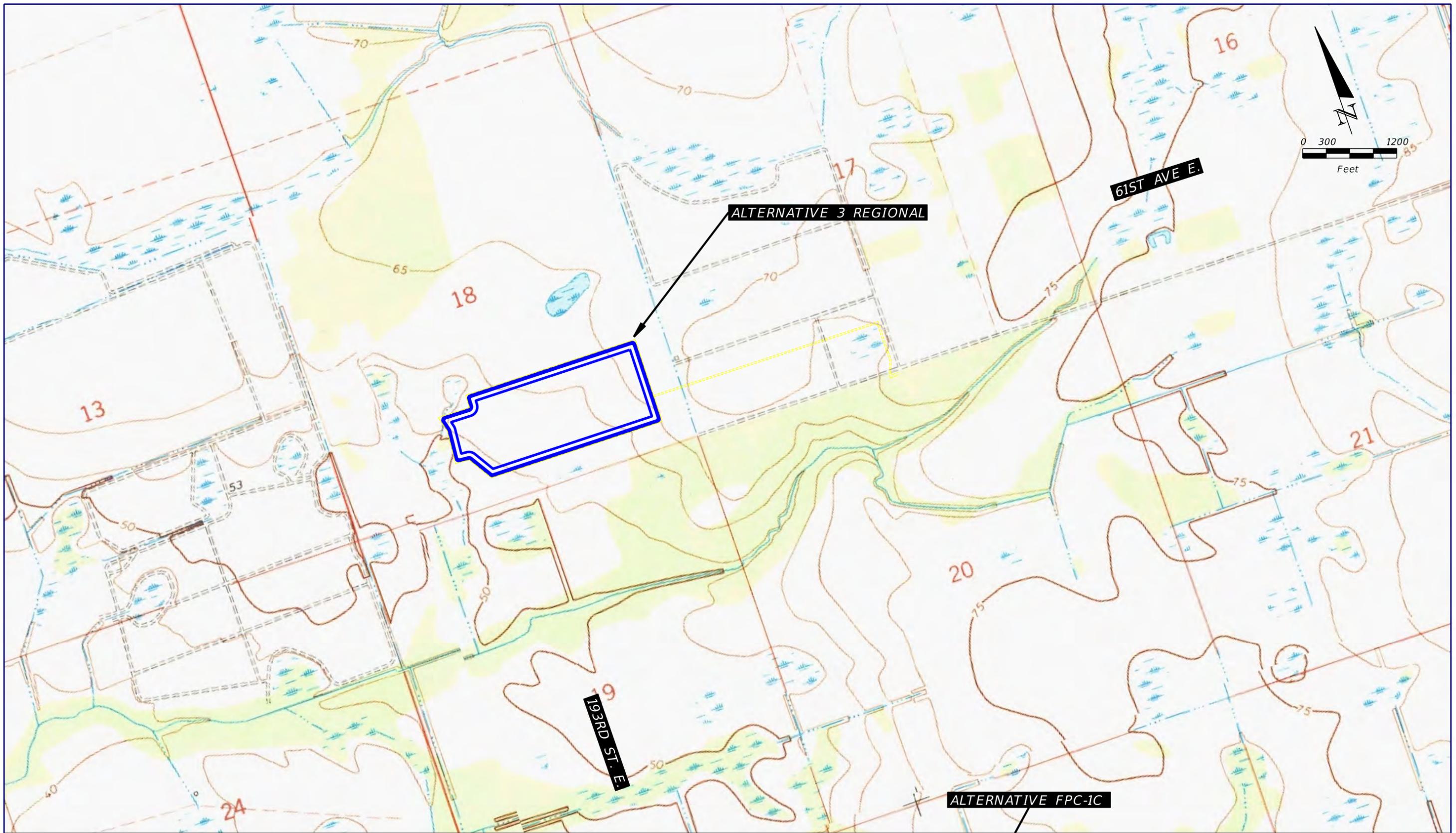
REVISIONS		REVISIONS		TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. B-1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 70	MANATEE	414506-2-32-01		



USGS TOPOGRAPHIC MAP

SOURCE: USGS 7.5-MINUTE "LORRAINE, FLORIDA" DATED 1973, (PHOTOREVISED 1987)

REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. B-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01			



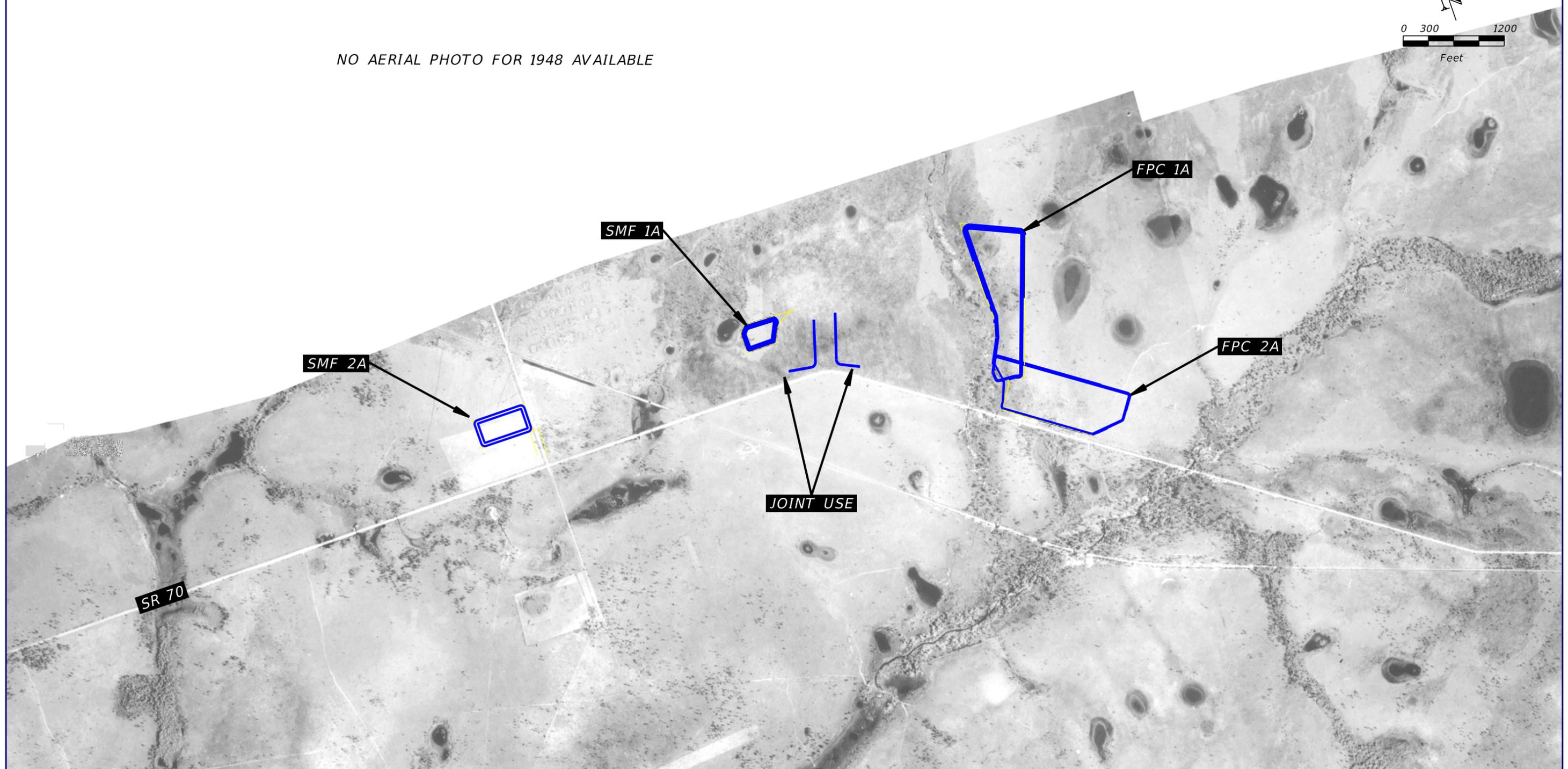
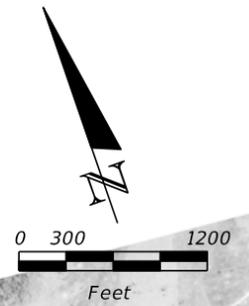
USGS TOPOGRAPHIC MAP

SOURCE: USGS 7.5-MINUTE "LORRAINE, FLORIDA" DATED 1973, (PHOTOREVISED 1987)

REVISIONS		REVISIONS		TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. B-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 70	MANATEE	414506-2-32-01		

CSEB-Appendix C
Historical Aerial Photographs

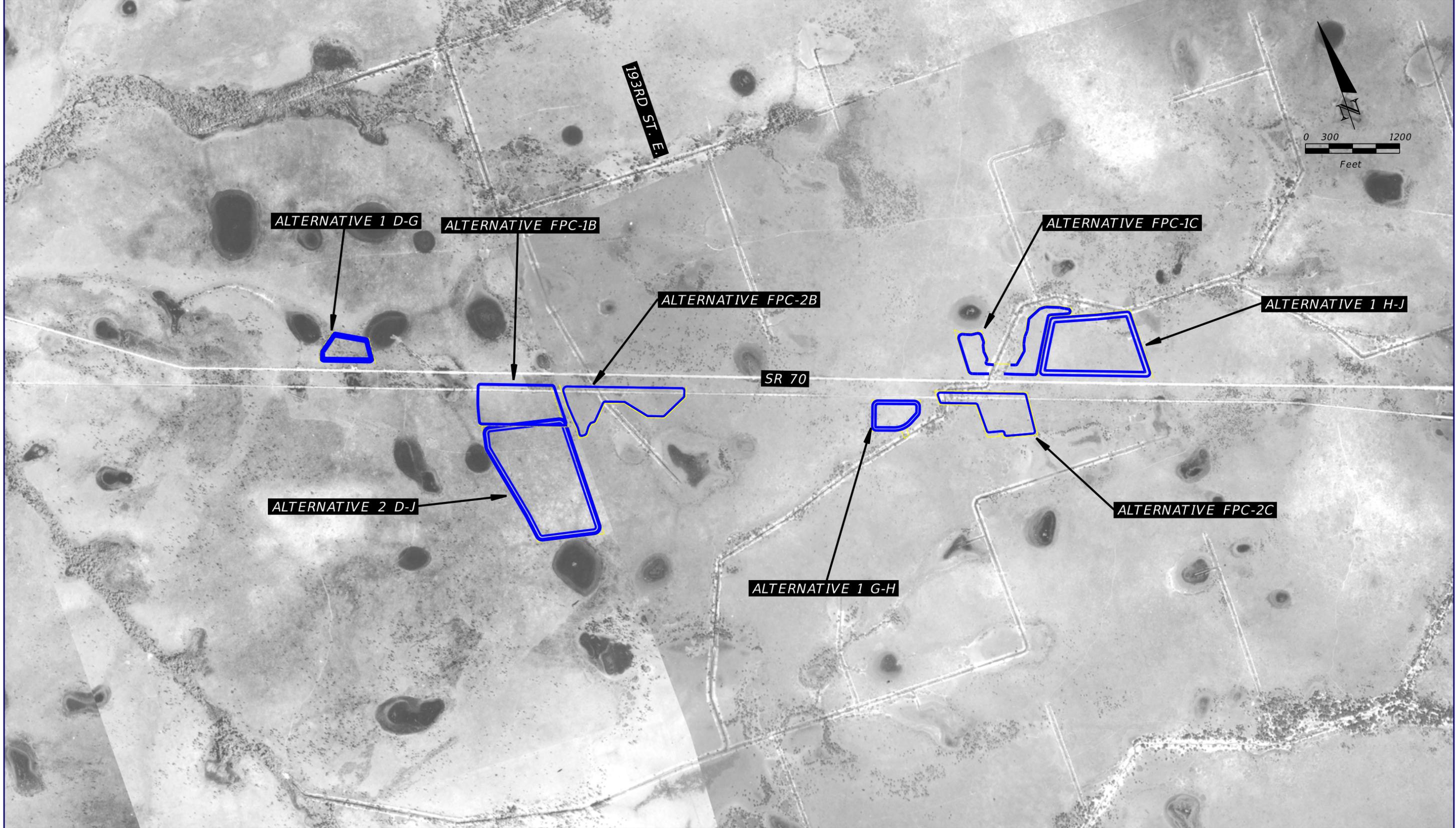
NO AERIAL PHOTO FOR 1948 AVAILABLE



1948 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

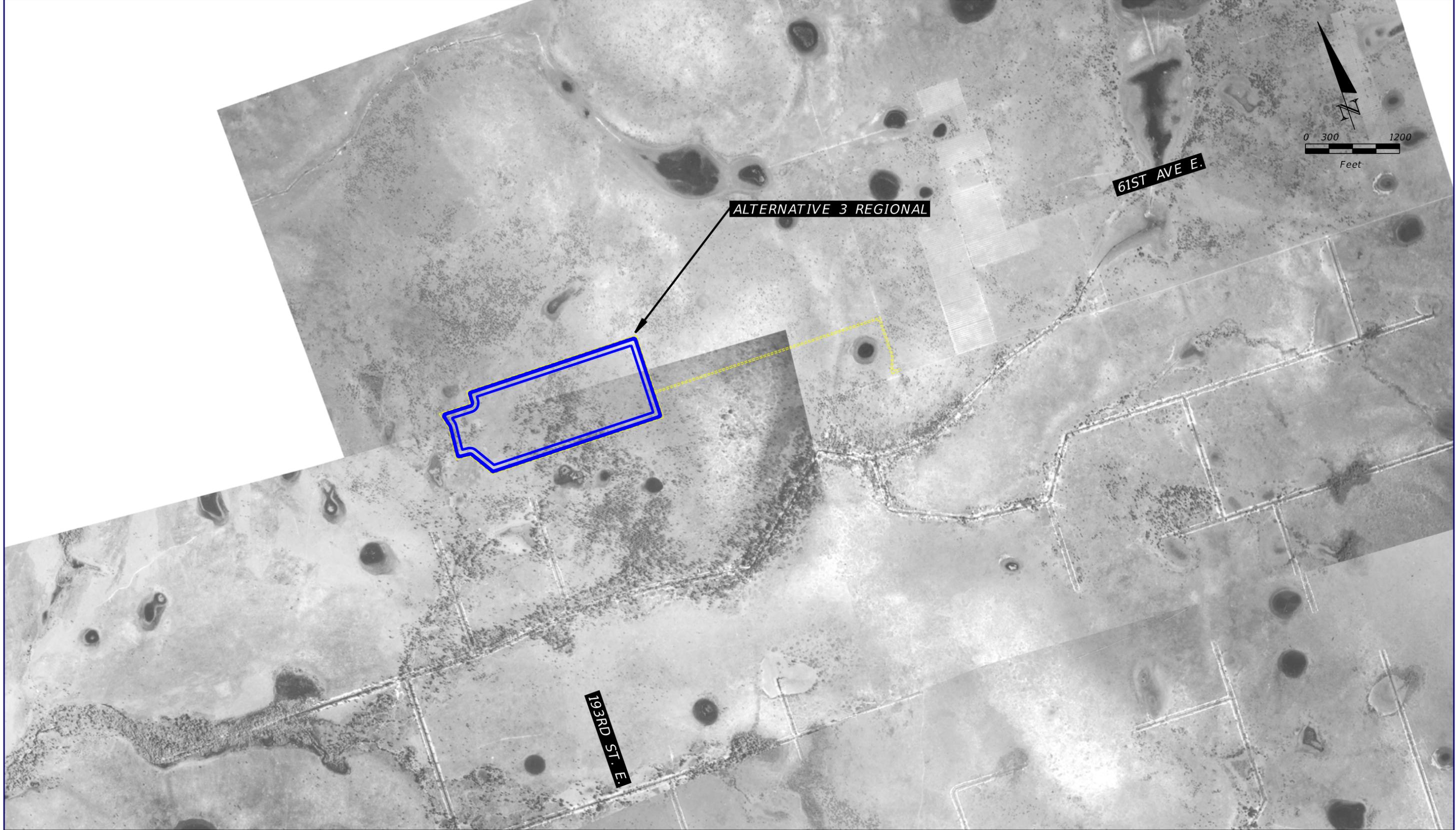
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1948 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

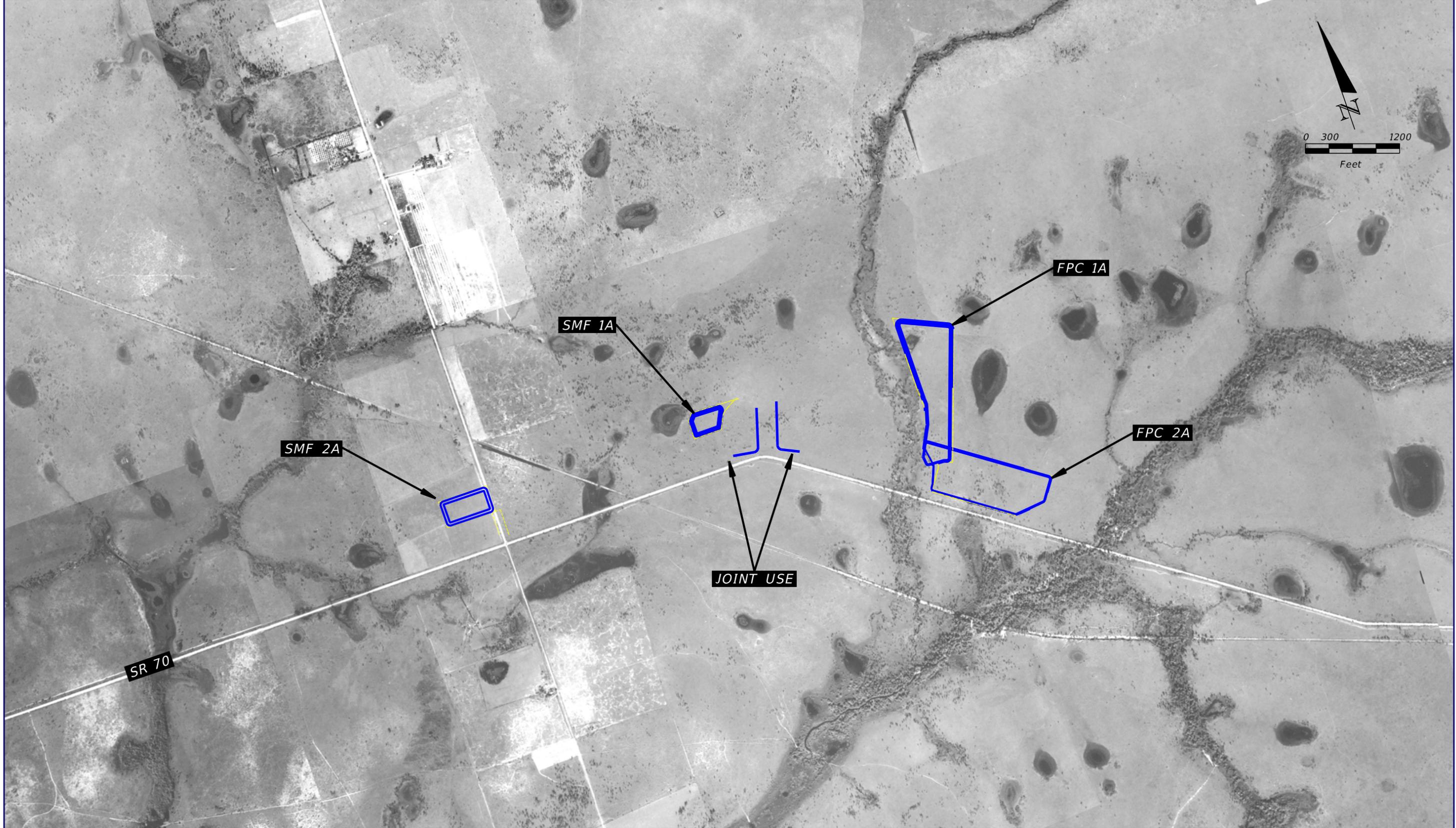
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-2
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1948 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

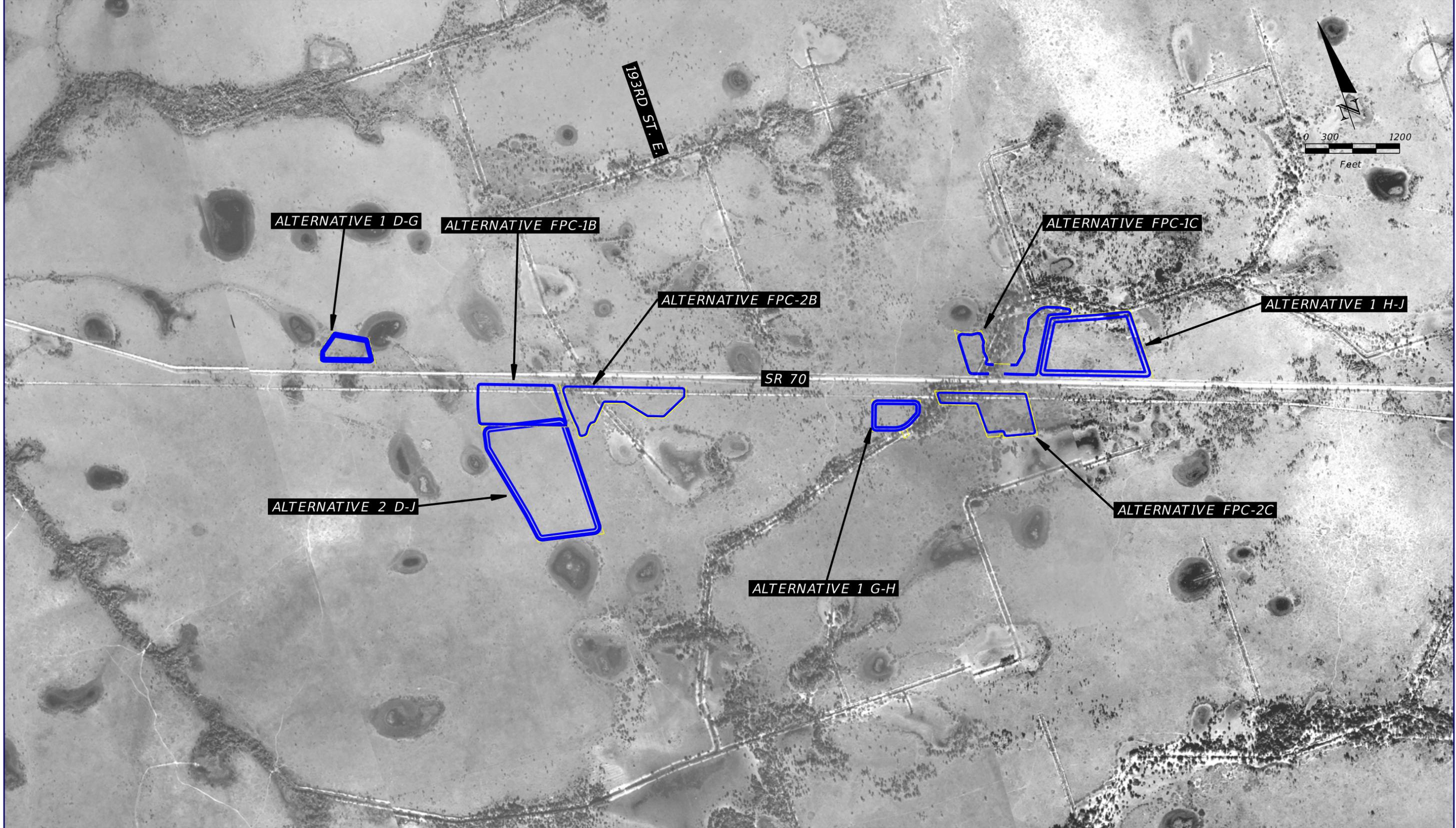
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-3
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1957 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

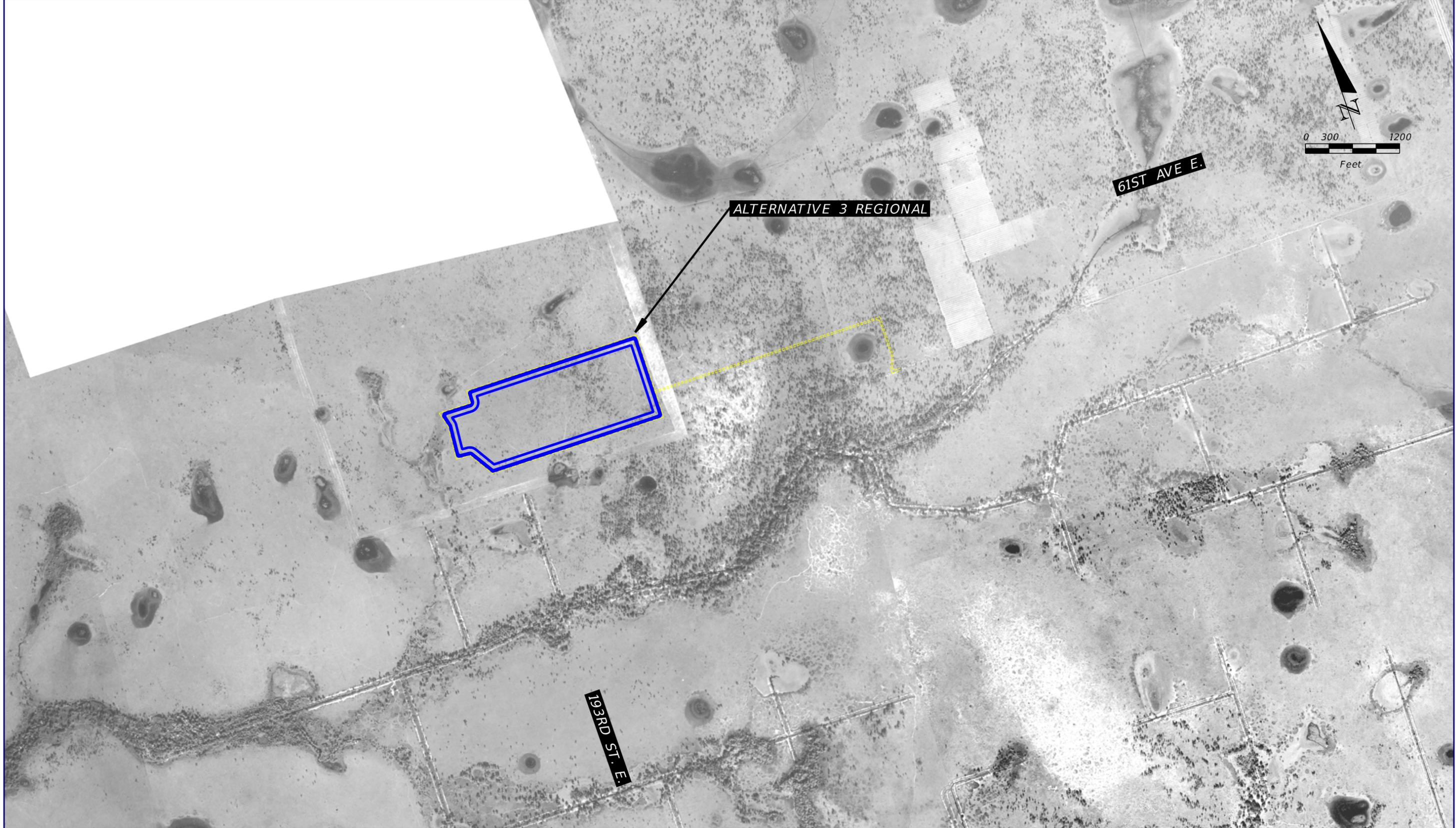
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1957 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

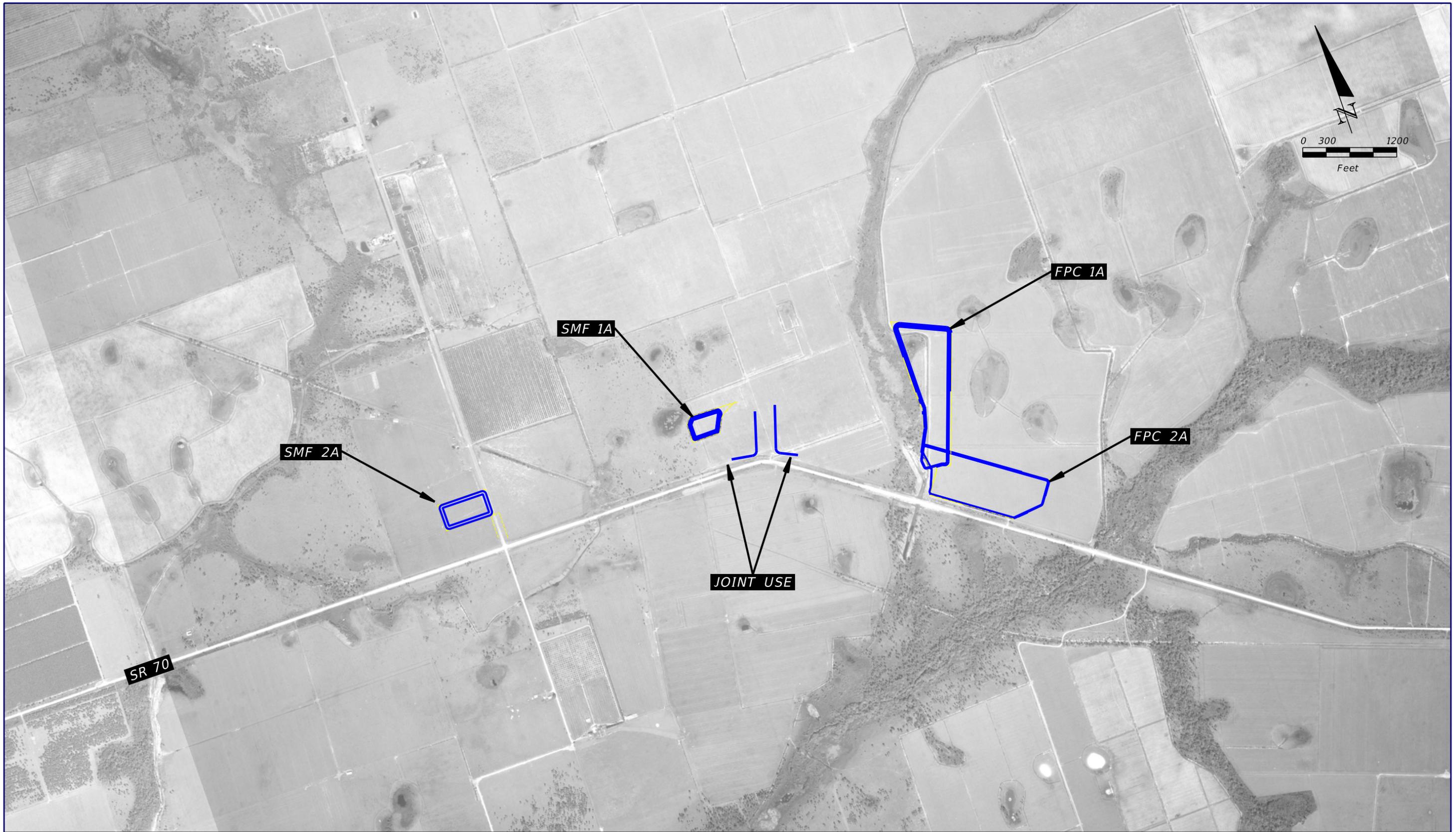
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-5
					SR 70	MANATEE	414506-2-32-01		



1957 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: UNIVERSITY OF FLORIDA

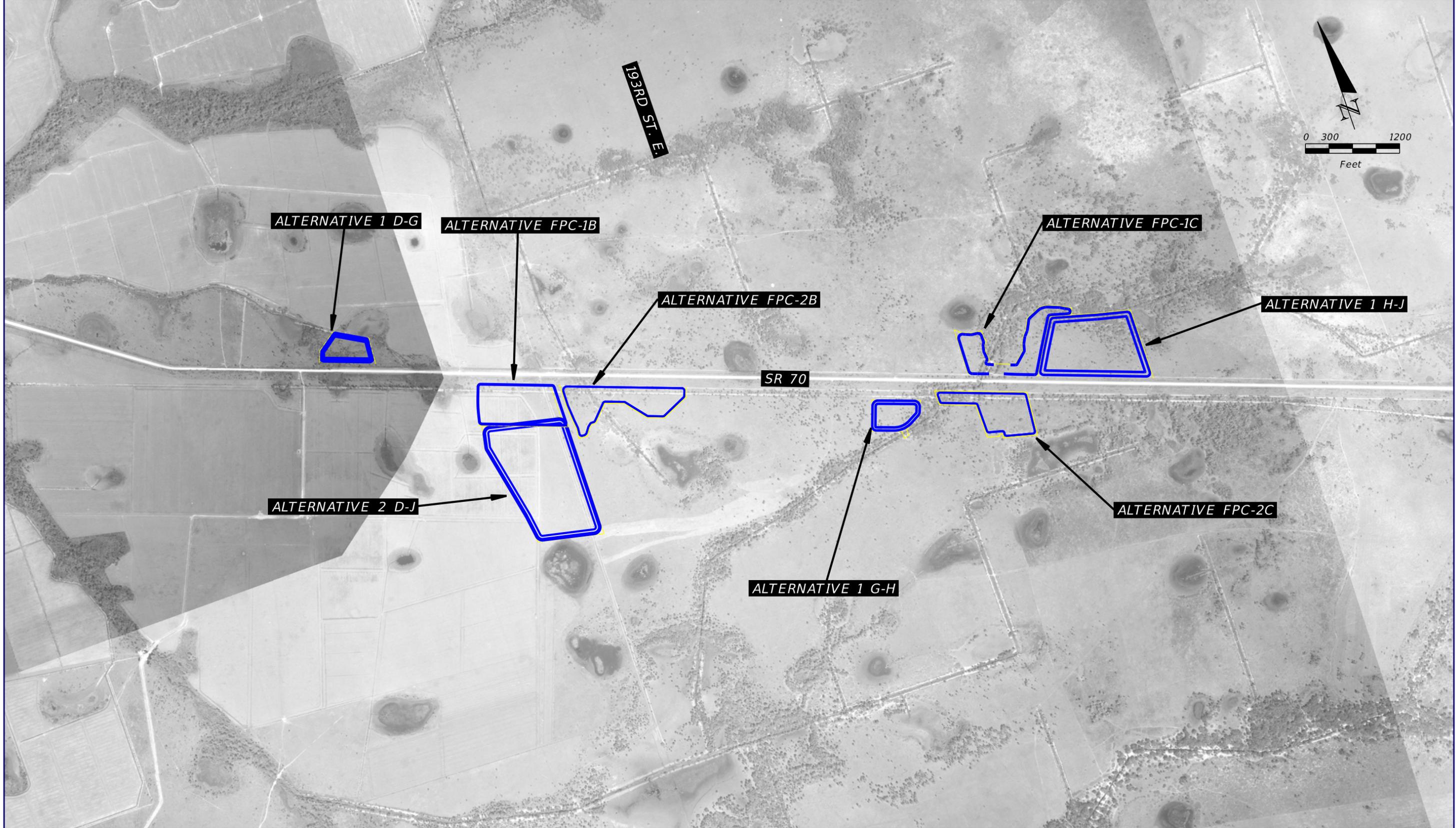
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-6
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1973 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

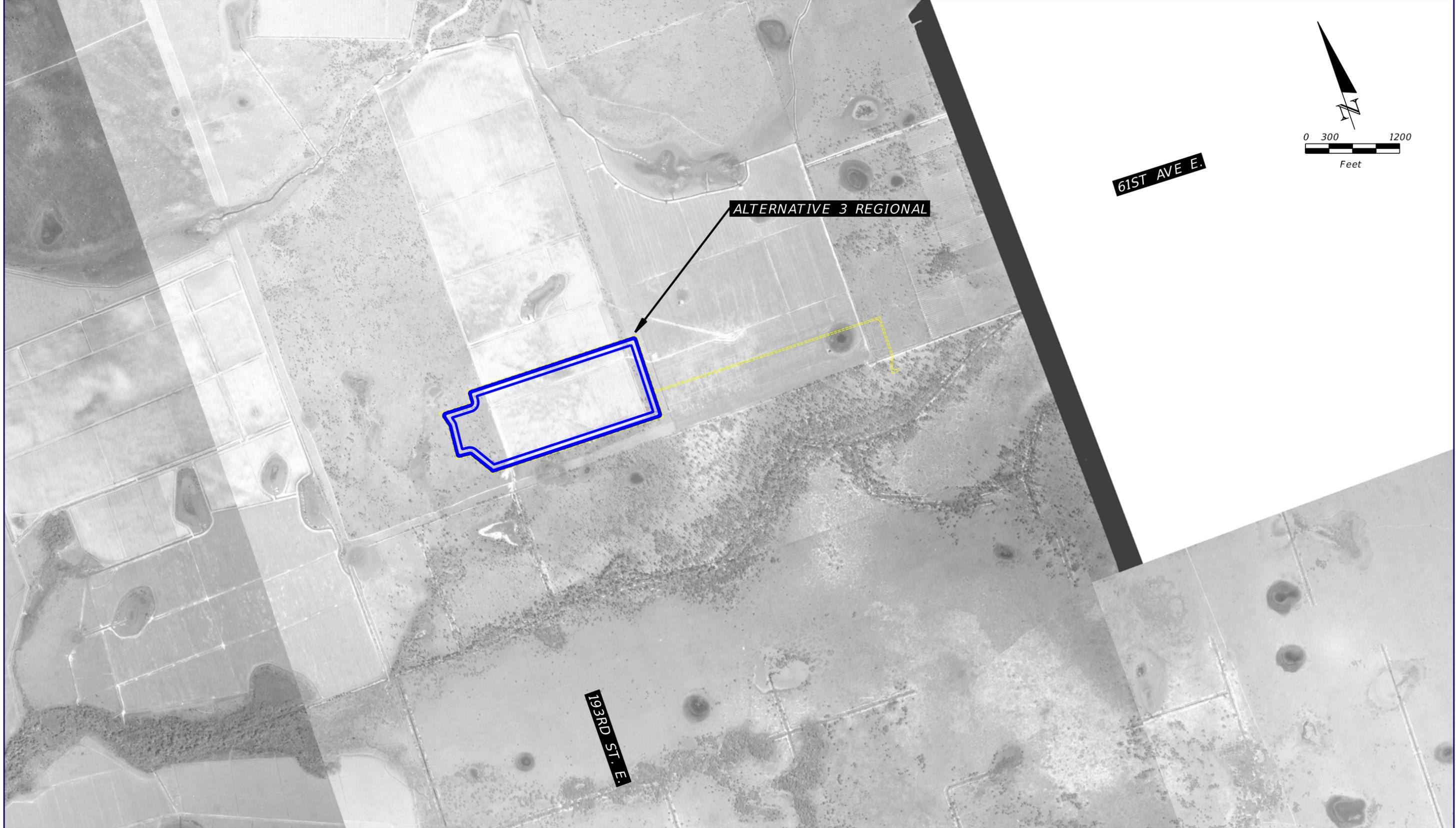
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				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1973 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

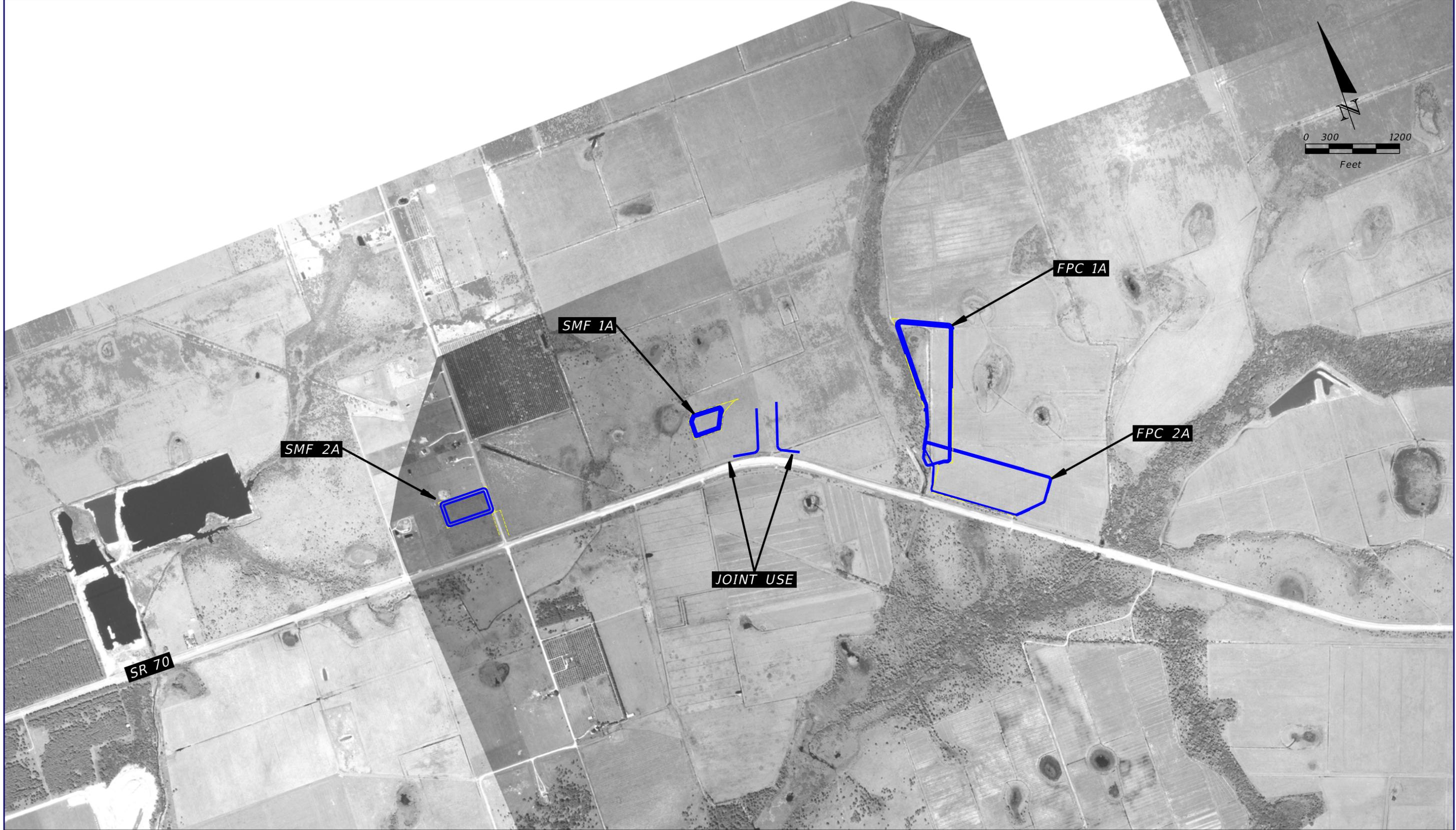
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-8
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1973 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

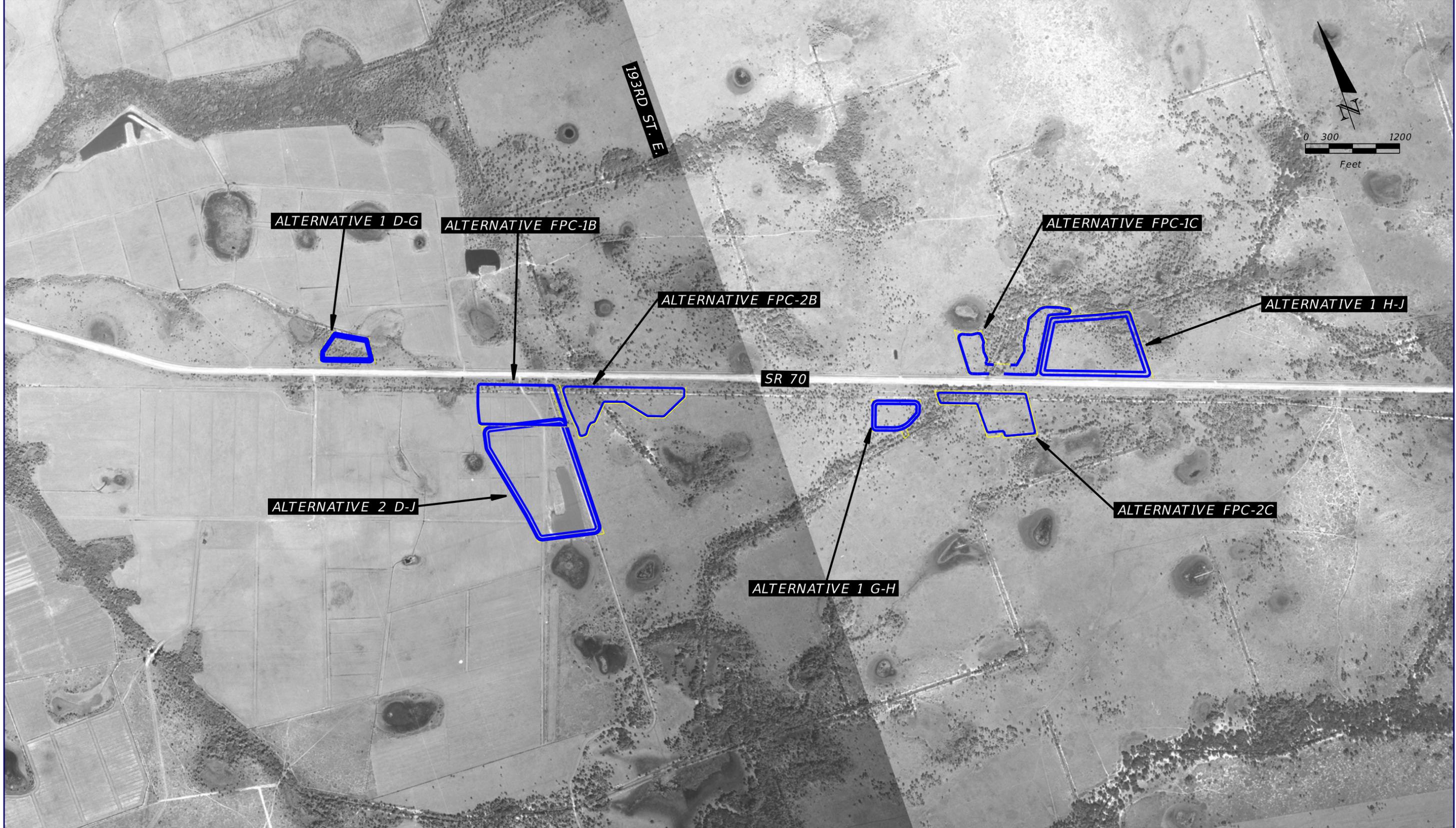
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1980 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-10
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1980 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

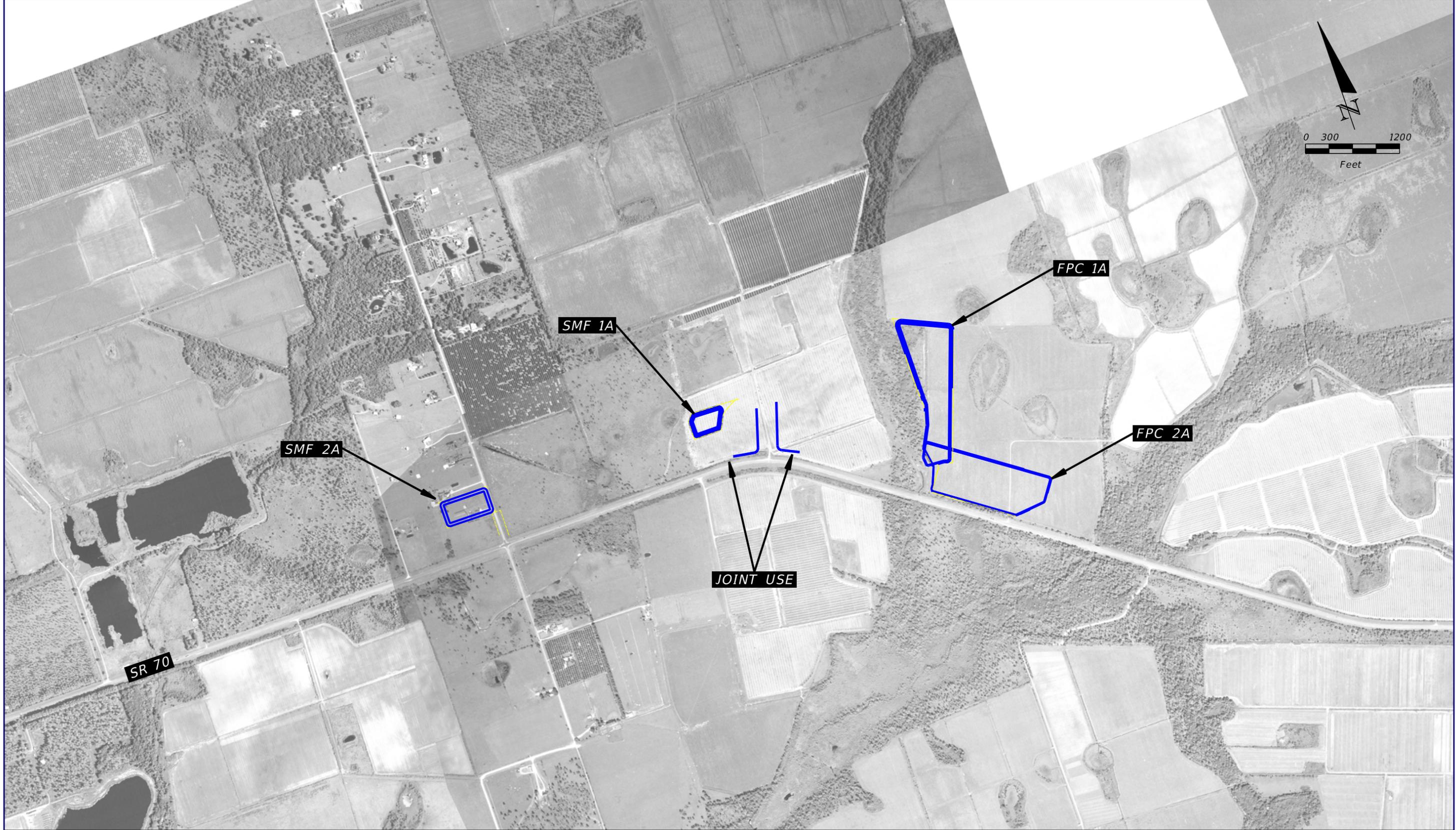
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E		SR 70	MANATEE	414506-2-32-01		



1980 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

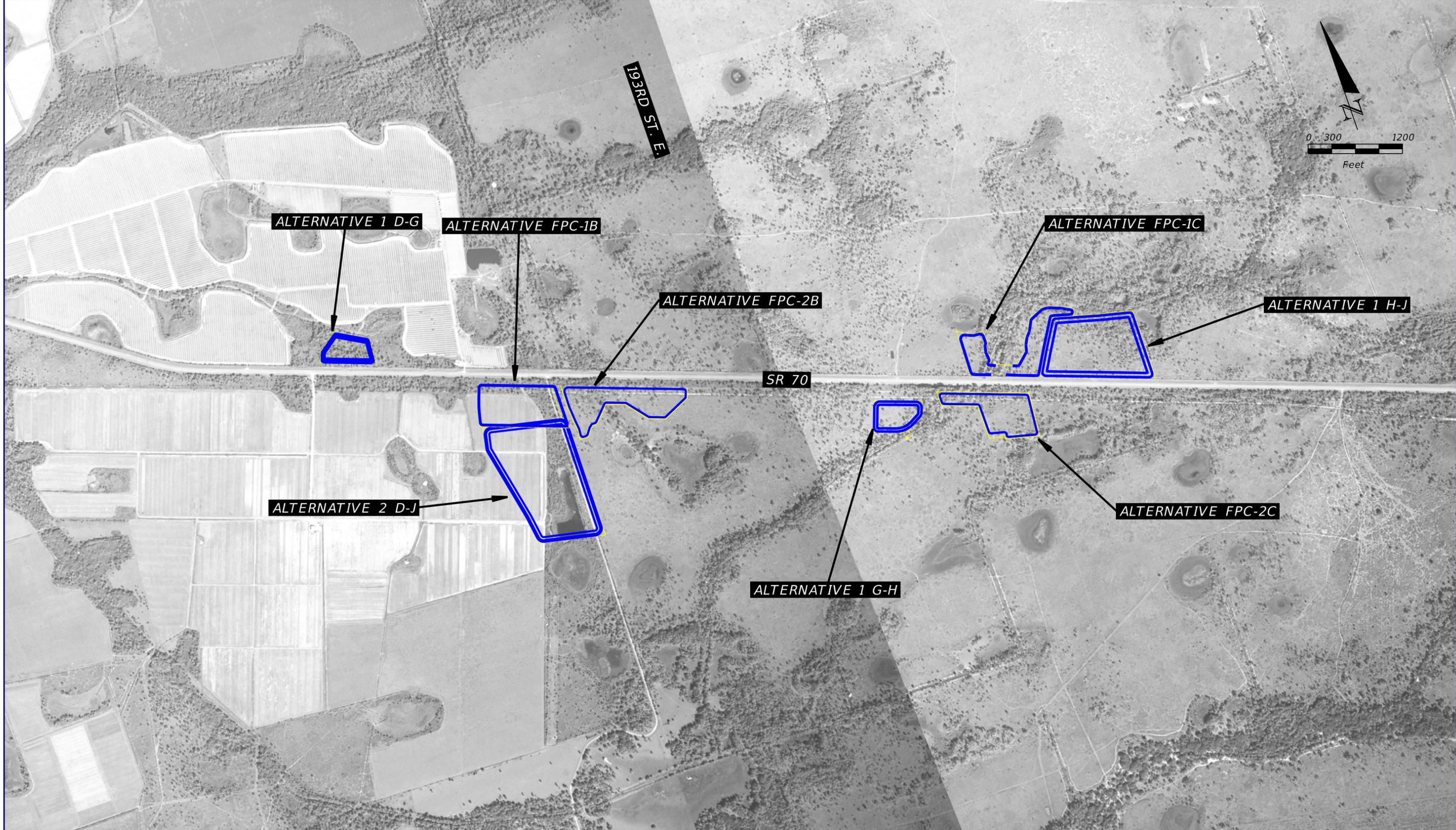
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-12
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1991 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-13
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



1991 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

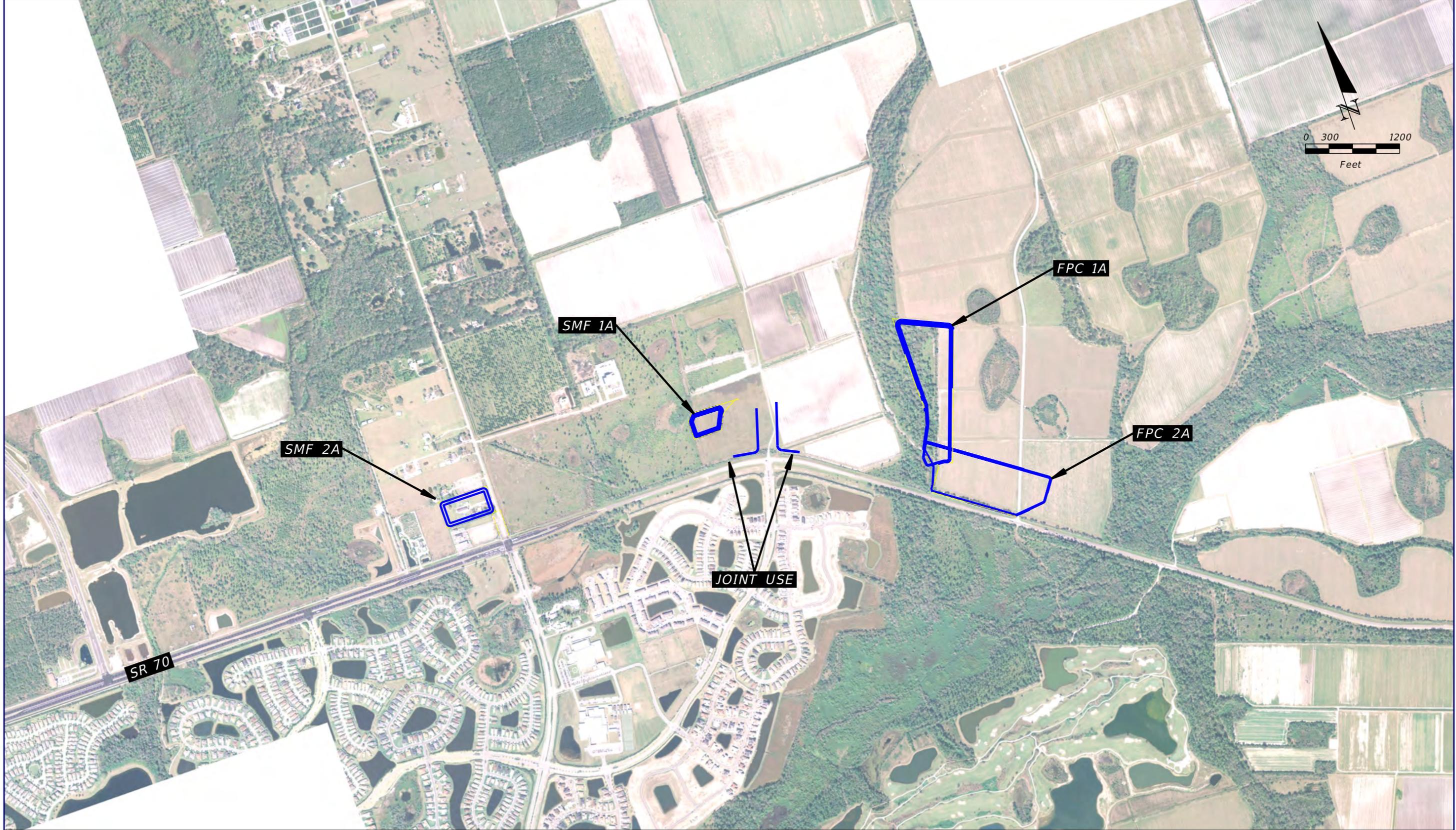
REVISIONS				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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1991 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

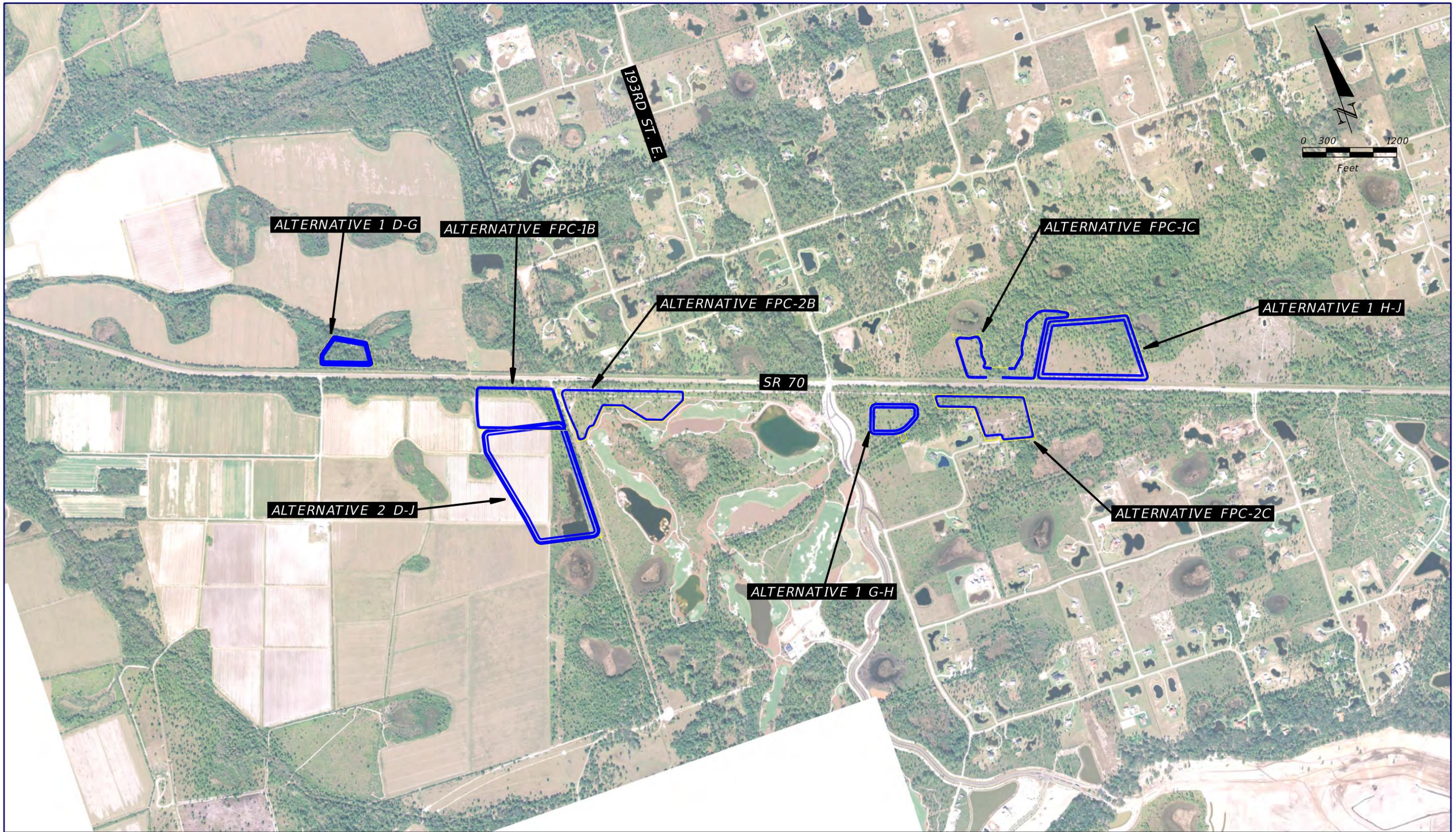
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				



2006 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

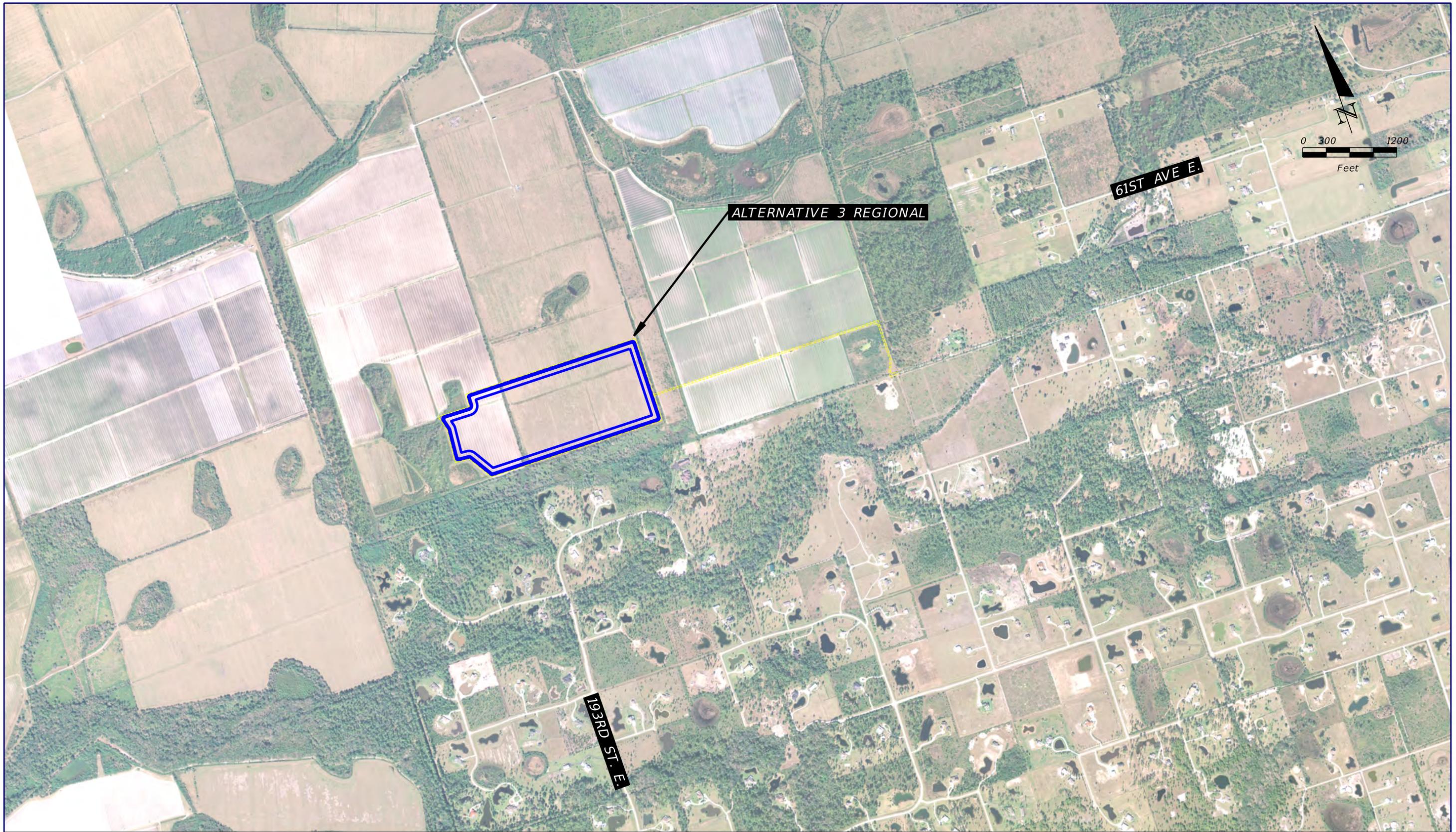
REVISIONS		REVISIONS		TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01			



2006 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			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 70	MANATEE	414506-2-32-01		



2006 HISTORICAL AERIAL PHOTOGRAPH

SOURCE: FDOT SURVEY AND MAPPING

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 70 FROM LORRAINE RD TO CR 675 (WATERBURY RD.)	SHEET NO. C-18
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			TIERRA PROJECT NO.: 6511-16-131E	SR 70	MANATEE	414506-2-32-01		
				TIERRA, INC. 7351 TEMPLE TERRACE HIGHWAY TAMPA, FLORIDA 33637 CERTIFICATE OF AUTHORIZATION 6486				

CSER-Appendix D
Environmental Database Report

Environmental Data Report

Custom Radius Research

SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee 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 18, 2018



October 18, 2018

Michael Bair
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Custom Radius Research - EDM Project #24581**

Dear Mr. Bair

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:

**SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee 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: 6511-16-131E Client P.O. No:	Custom Radius Research SR 70 from Lorraine Rd to CR 675 (Waterbury Rd) Manatee County, Florida EDM Job No# 24581

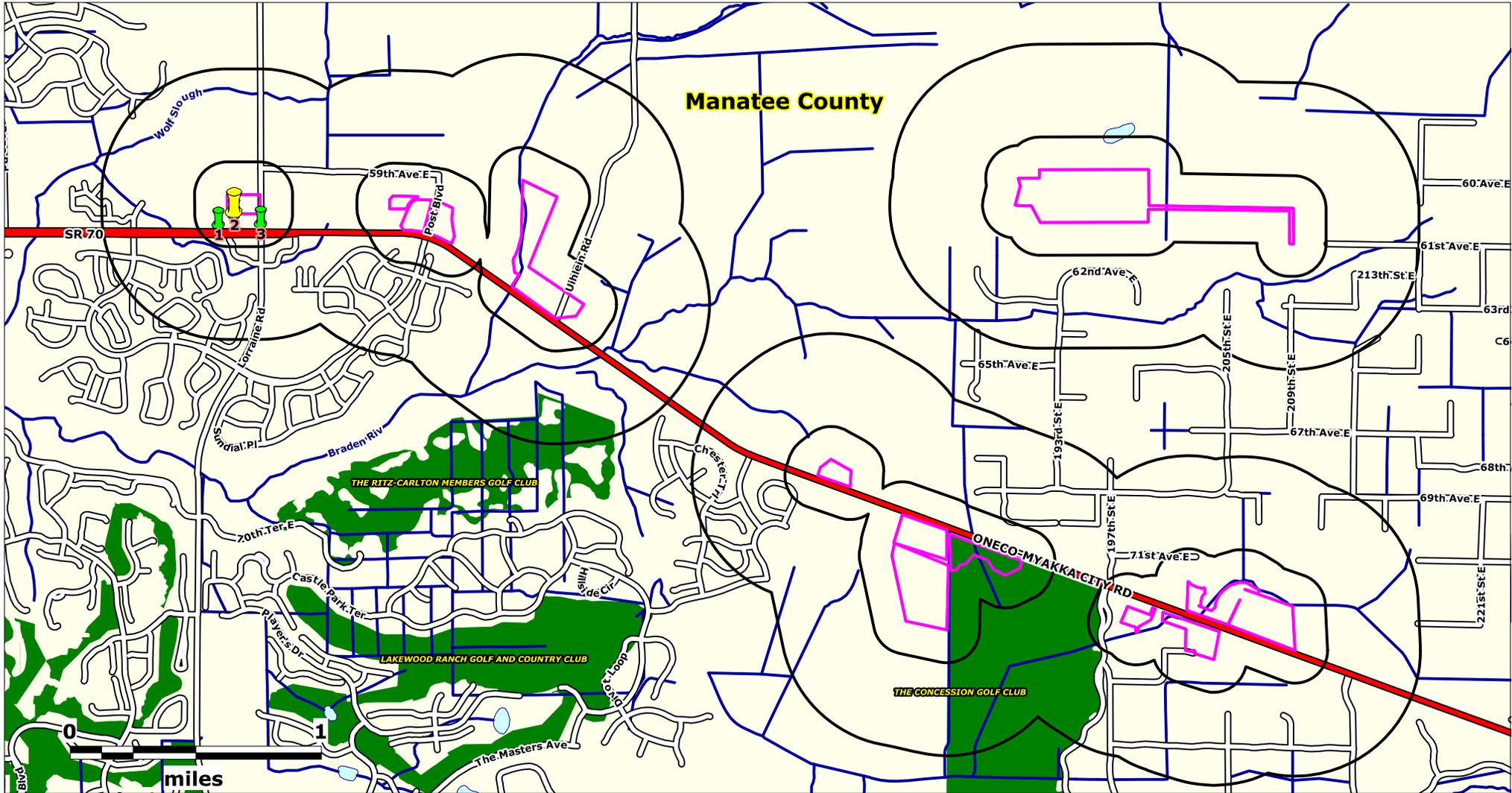
The following table displays the databases that were included in the research provided, the respective search distance for each database and the number of records identified for each database. The distance values indicated are measured from the centroid of the Subject Property. The absence of records 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
EPA DATABASES	
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)	0
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)	2
FDEP DATABASES	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	1
Solid Waste Facilities List(SLDWST)	0
Leaking Underground Storage Tanks List(LUST)	1
Underground/Aboveground Storage Tanks(TANKS)	6
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 Site Locations are Approximate

Subject Property

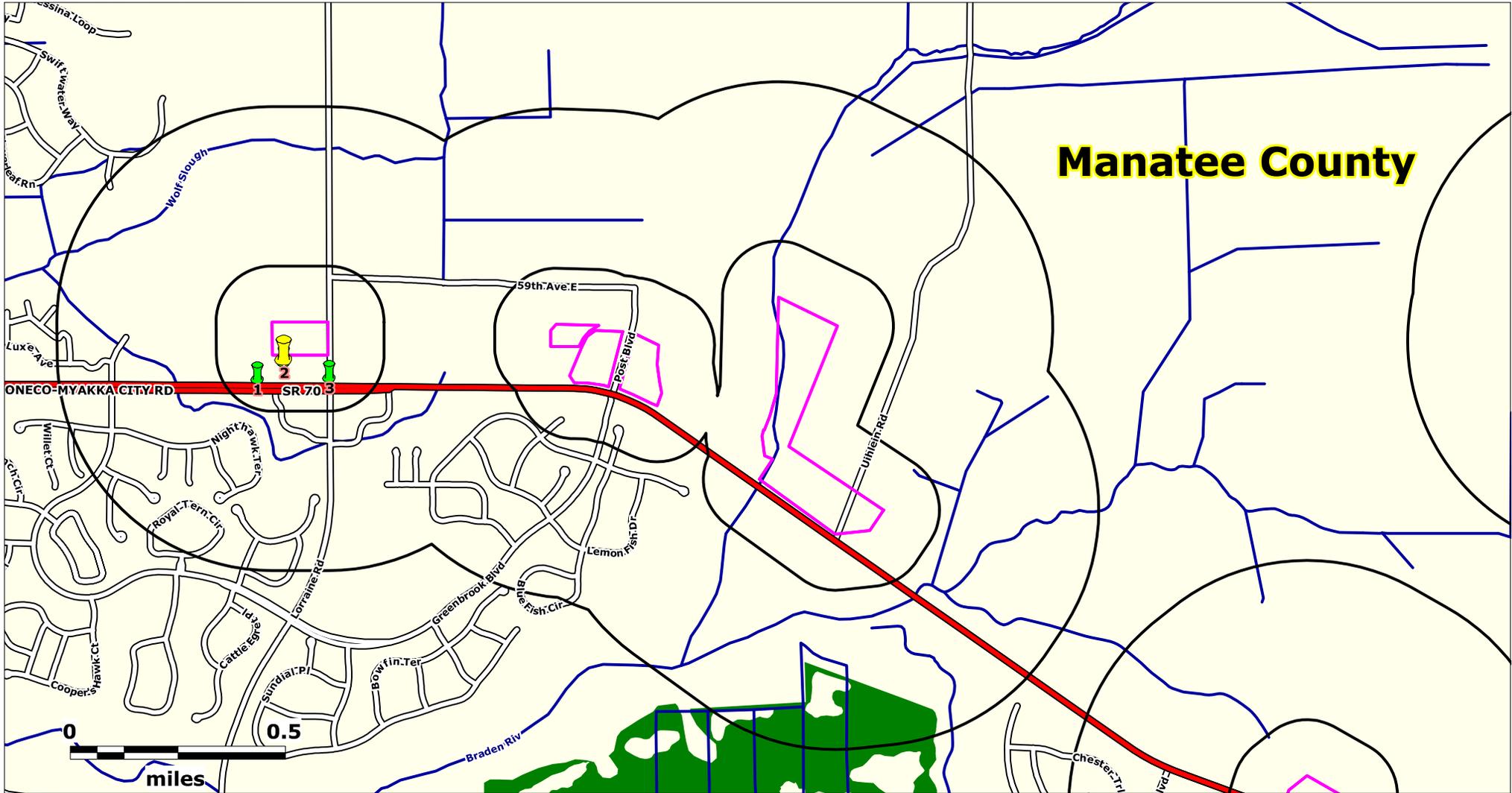
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites 1/2 Mile

CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites 1/8 Mile



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

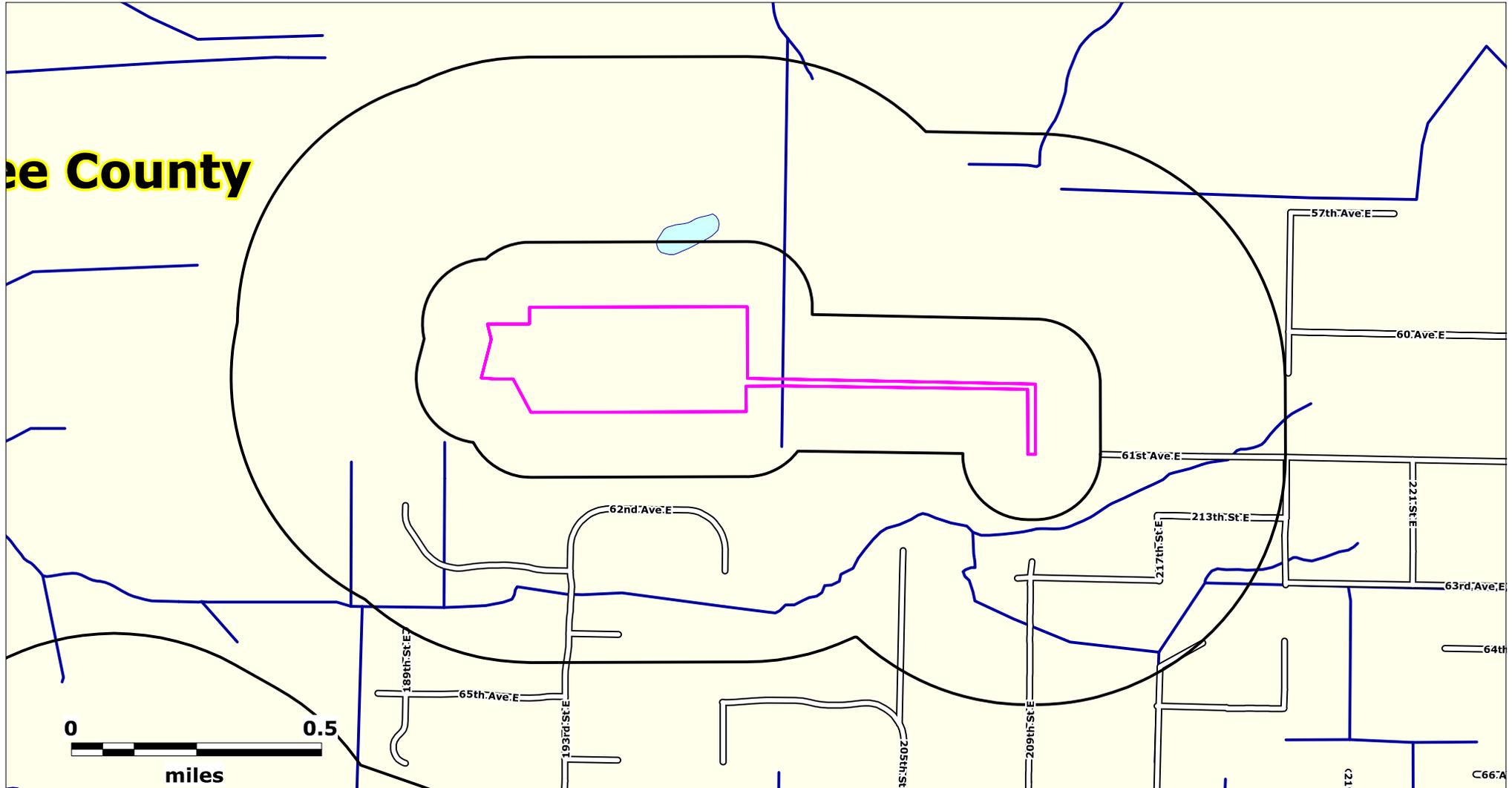
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

 Approximate Site Boundary

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 CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites 1/8 Mile



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

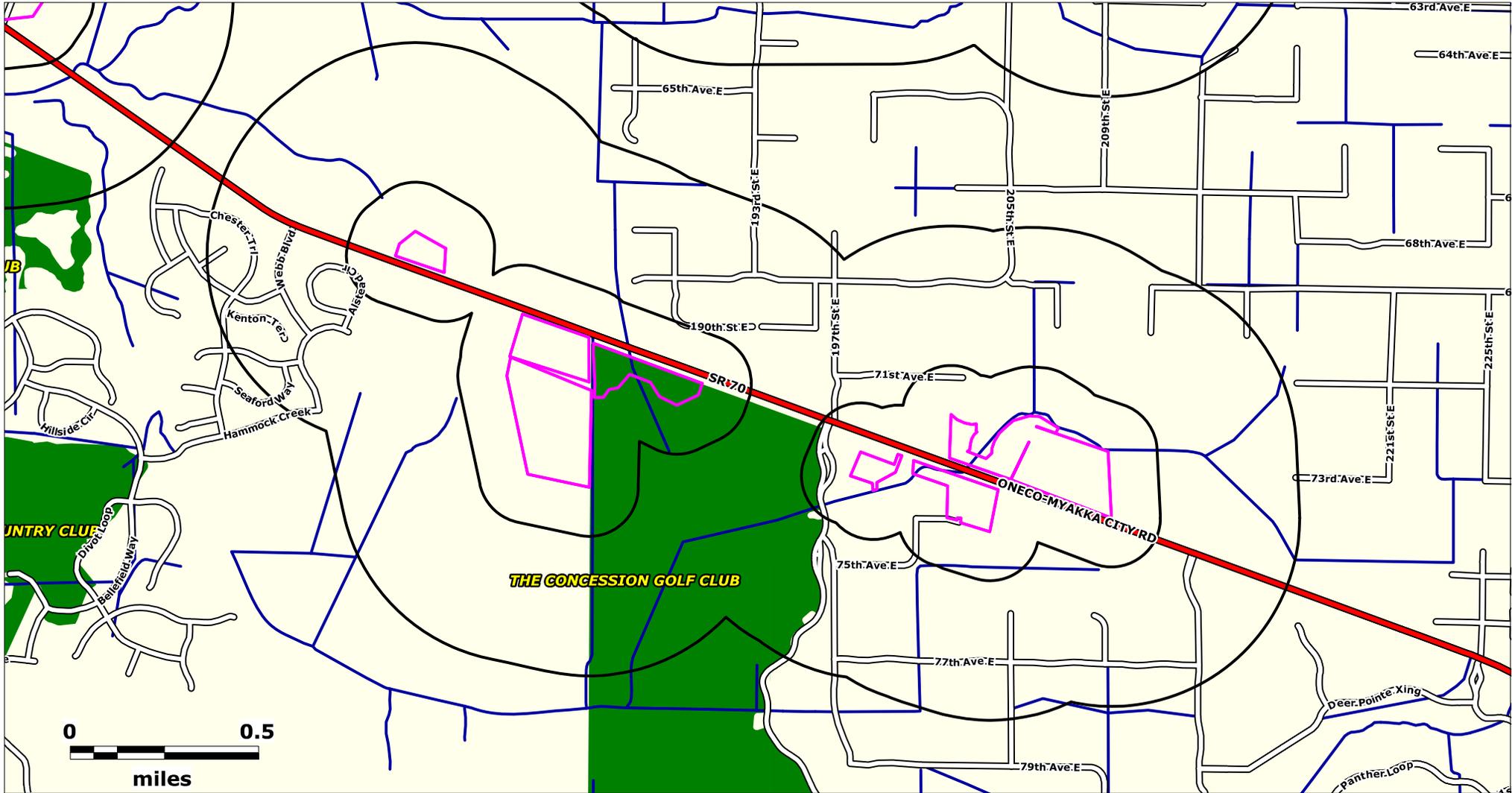
SR 70 from Lorraine Rd
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Manatee County, Florida

EDM Job No: 24581
October 18, 2018

Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV,
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CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites 1/8 Mile



Source: US Census Bureau TIGER Files

Map Scale and Site Locations are Approximate

Subject Property

SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites 1/2 Mile

CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites 1/8 Mile



Source: USDA National Agriculture Imagery Program (NAIP)

Map Scale and Site Locations are Approximate

Subject Property

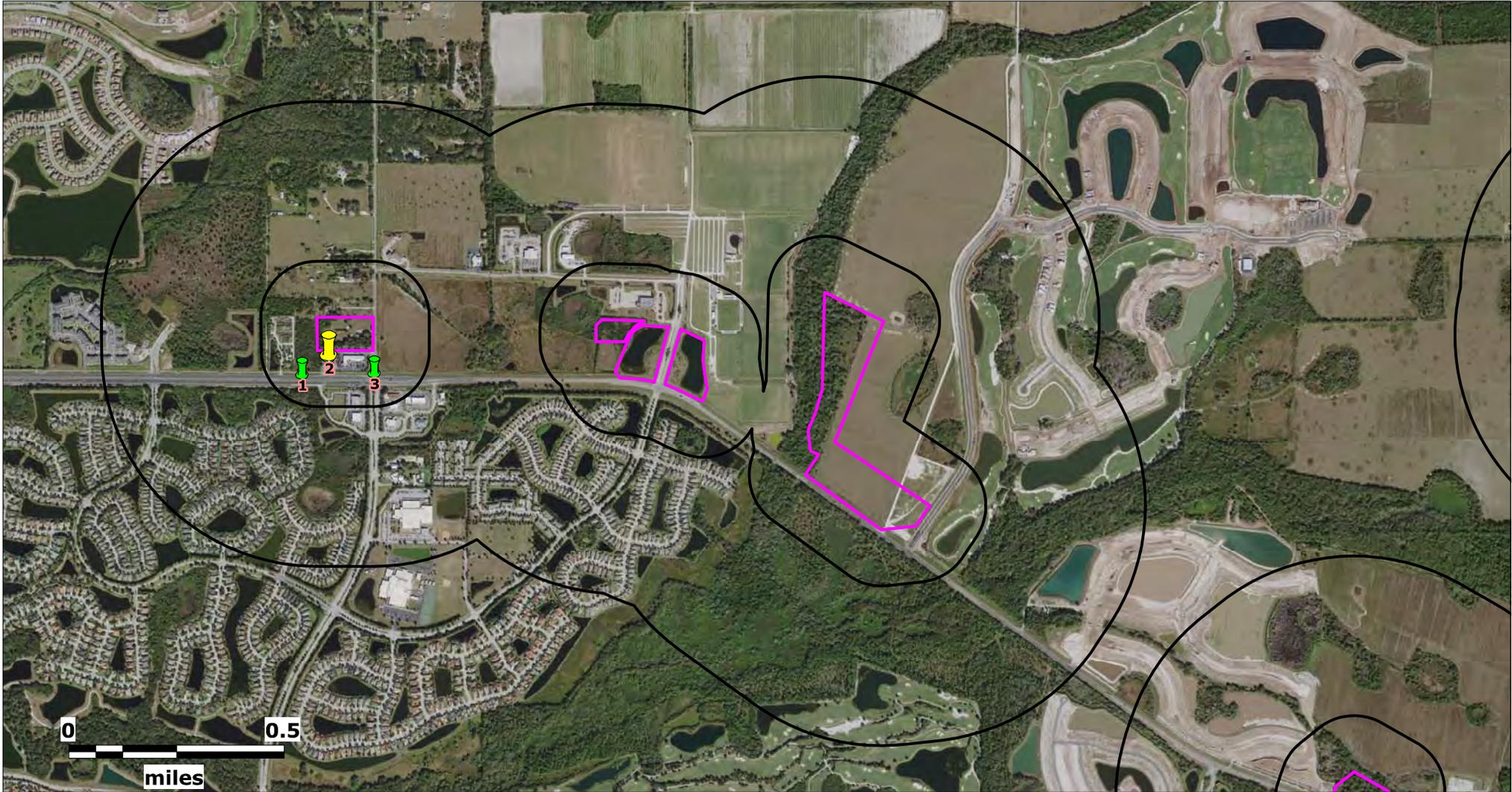
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

 Approximate Site Boundary

 NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites - 1/2 Mile

 CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites - 1/8 Mile



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

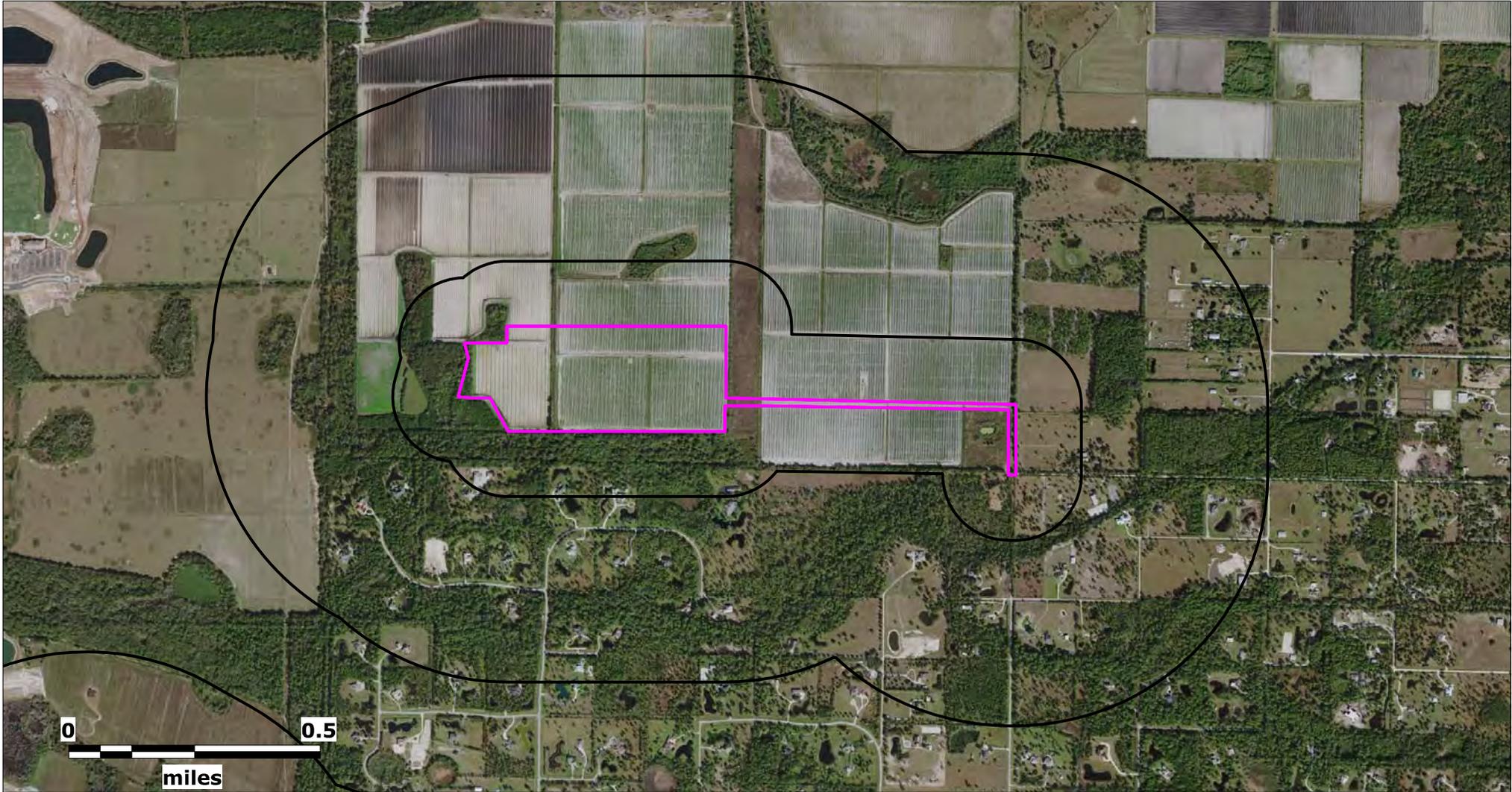
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

 Approximate Site Boundary

 NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites - 1/2 Mile

 CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites - 1/8 Mile



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

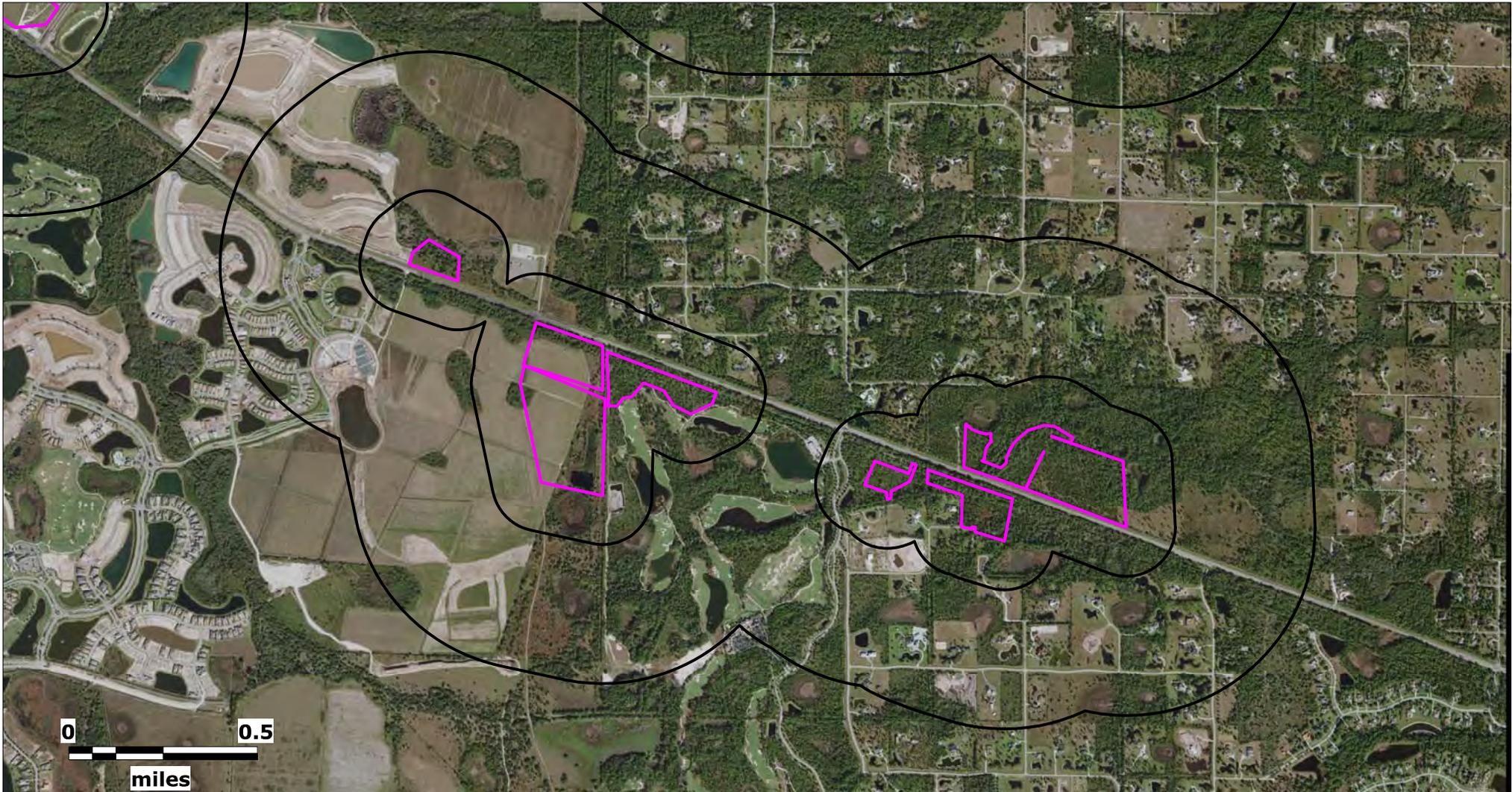
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

 Approximate Site Boundary

 NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites - 1/2 Mile

 CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites - 1/8 Mile



Source: Florida Department of Transportation

Map Scale and Site Locations are Approximate

Subject Property

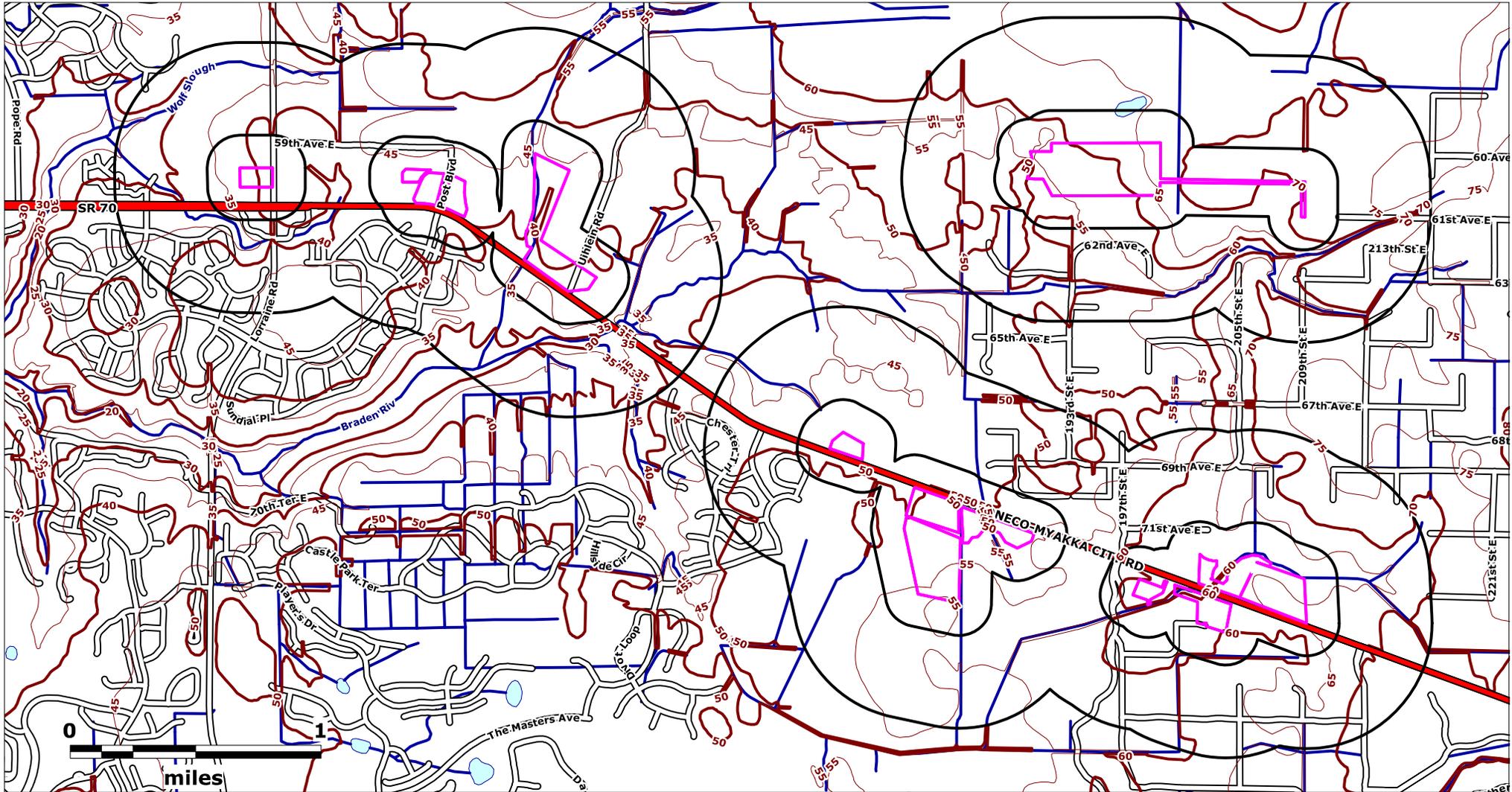
SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018

 Approximate Site Boundary

 NPL, STNPL, CERCLIS, SEMSACTV,
STCERC, SLDWST sites - 1/2 Mile

 CORRACTS, TSD, NPLLIENS, LUST,
BRWNFLDS, VOLCLNUP, DRY, SEMSARCH,
NFRAP, NPLLIENS, ERNS, ECHO, NONTSD,
TANKS & INSTENG sites - 1/8 Mile



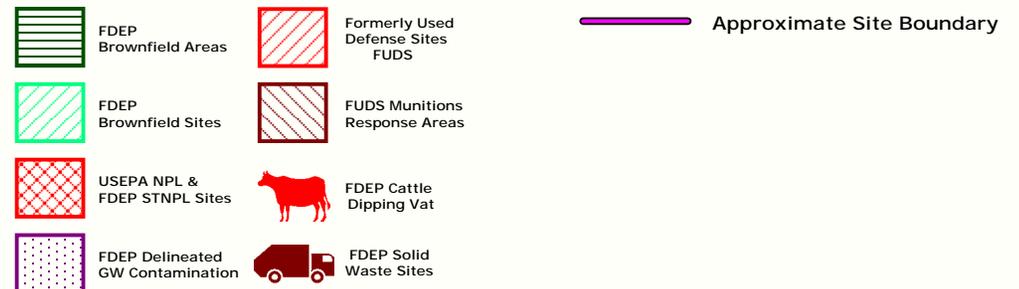
Source: FDEP and USEPA Geodata

Map Scale and Site Locations are Approximate

Subject Property

SR 70 from Lorraine Rd
to CR 675 (Waterbury Rd)
Manatee County, Florida

EDM Job No: 24581
October 18, 2018



ENVIRONMENTAL DATA MANAGEMENT

Custom 1/8 Mile Research Site Summary Table

Report Date: 10/18/2018

Page 1 of 1

MapID & Pgm List	Fac ID No	Site Dist(Mi) & Direction	Site Name	Site Address
1				
ECHO	110054924365	3.73 W	STATE ROAD 70 E	UNKNOWN MYAKKA CITY, FL 34251
2				
LUST	9806868	3.67 W	LAKEWOOD RANCH SHELL	14315 E STATE ROAD 70 LAKEWOOD RANCH, FL 342029417
STCERC	9806868CLN	3.67 W	LAKEWOOD RANCH SHELL	14315 E STATE ROAD 70 LAKEWOOD RANCH, FL 342029417
TANKS	9806868	3.67 W	LAKEWOOD RANCH SHELL	14315 E STATE ROAD 70 LAKEWOOD RANCH, FL 34202
3				
ECHO	110038669116	3.56 W	ENERGY TRANSFER COMPANY/ETG	LORRAINE RD & SR 70 MANATEE COUNTY, FL 34202
TANKS	8624196	3.56 W	LORRAINE FARMS	HWY 70 & LORRAINE RD MYAKKA CITY, FL 34251
TANKS	8624198	3.56 W	MILL CREEK FARMS	LORRAINE RD & HWY 70 BRADENTON, FL 33561
TANKS	8624202	3.56 W	PEERLESS MANATEE	HWY 70 & LORRAINE RD BRADENTON, FL 34206
TANKS	9103335	3.56 W	PEERLESS MANATEE	HWY 70 E BRADENTON, FL 34206
TANKS	9103335.	3.56 W	PEERLESS MANATEE	HWY 70 E BRADENTON, FL



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USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/18/2018

ECHO Page 1 of 2

FRS ID NUMBER, NAME AND LOCATION:

110054924365
STATE ROAD 70 E
UNKNOWN
MYAKKA CITY, FL 34251

EPA REG: 04
TRIBAL?: N
FED FAC?:
COUNTY: MANATEE
AGENCY LAT/LON: 27.4319/ -82.3981

MAP ID NUMBER:

Dist (Miles):
Direction:

1

E
C
H
O

[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: FL081
HUC CODE: 03100202
AIR NAA?
WBD CODE: 031002020201
CONG DIST: 16
CENSUS BLK: 12081002015103
MAJ FAC?:
ACTV PERM?:
% MINORITY WITHIN 3 MI: 12.726
POP /SQ MI WITHIN 3 MI: 538.1
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: FLR10MD74
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: 10/18/2018

ECHO Page 2 of 2

RCRIS INFO:

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

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

RCRA CURR COMPL: [REDACTED]
RCRA CURR HPV/SNC FLAG: N
RCRA 3YR QRTL COMPL STATU [REDACTED]

SDWA INFO:

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

TRIS INFO:

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

FED ENF INFO:

TOTAL FEC CASES 5 YRS: [REDACTED]
FEC LAST DATE: [REDACTED]
FEC TOTAL PENLTY: [REDACTED]

GRN HOUSE GAS INFO: **GHG ID:** [REDACTED]

GHG EMISSIONS MT: N



FDEP SITE INVESTIGATION SECTION SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

Report Date: 10/18/2018

STCERC Page 1 of 1

FACILITY NAME AND LOCATION:

LAKWOOD RANCH SHELL
14315 E STATE ROAD 70
LAKWOOD RANCH, FL 34202 9417

MAP ID NUMBER:

2

Dist (Miles):

Direction:

AGENCY SITE LAT/LON: 27.432616158442 -82.39698669754

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

FDEP SITE INVESTIGATION SECTION INFO:

SITE NO: 9806868 **DISTRICT:** SWD
ALT SITE NO:

FDEP CLEANUP SITES INFO:

FDEP CLEANUP NO: 55879588 **CLEANUP SITES PGM AREA:** TK
CLEANUP SITES SOURCE: STCM **CLEANUP SITES CATEGORY:** PETRO
CLEANUP SITES SOURCE ID: 9806868 **CLEANUP SITES REMED STATUS:** ACTIVE
CLEANUP SITES COMMENTS: ACTIVE

FDER SITES LIST INFO:

SITE NUMBER: **PROJECT MGR:** **STATUS:**
LEAD UNIT: **ATTORNEY:** **STATUS DATE:**
SUPPORT UNIT:



FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 10/18/2018

LUST Page 1 of 2

FACILITY ID NUMBER, NAME AND LOCATION

9806868
LAKEWOOD RANCH SHELL
14315 E STATE ROAD 70
LAKEWOOD RANCH, FL 34202-9417

OWNERSHIP INFO:

ACCOUNT OWNER
J H WILLIAMS OIL CO INC
PO BOX 439 ATTN: ACCOUNTS PAY
TAMPA, FL 33601-439
(813)917-8358
COUNTY ID: 41 MANATEE
AGCY LAT/LON(DMS): 27,25,57.4 82,23,49.14
FAC OPERATOR: TOM BUTLER
FAC TEL #: (813)917-8385

MAP ID NUMBER:

Dist (Miles):
Direction:

2

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

FAC STATUS: OPEN **FAC TYPE:** A - Retail Station

SCORE 10 **SCORE EFF DT:** 7/1/2013 **RANK:** **SCORE WHEN RANKED:** **FAC CLNUP STATUS:**

DISCHARGE INFORMATION

DISCHARGE DATE: 1/23/2006

Mapid: 2

INSPECTION DATE:

CLEANUP WORK STATUS: INACTIVE

CLEANUP REQUIRED R - CLEANUP REQUIRED

CLEANUP COMBINED:

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNUP STATUS: 01/07/2008 RA - RA ONGOING

CONTAMINATED MEDIA?: SOIL: Y SUR WATER: N GR WATER: N MON WELL: N # DW WELLS CONTAMINATED:

POLLUTANT : P - Generic Gasoline GALLONS 25 OTHER

CLEANUP INFORMATION

Mapid: 2

PGM ELIG OFF:

PGM ELIG SCORE:	PGM ELIG SCORE EFF DT:	PGM ELIG R			
ELIG STAT:	ELIG STAT DT:	APPL RCVD:	LOI:	ELIG LTR SENT:	REDETERM:
DEDUCT AMT:	DEDUCT PD TO DT:	COPAY AMT:	COPAY TO DT:	CAP AMT:	
CLNUP PROG:	CLNUP OFF: PCSWD - SWD CLEANUP & COMPLIANCE ASSURANCE PROGRAM				

SITE ASSESSMENT

CLNP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE: 09-26-2007
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL

CLEANUP RESP: -
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:



FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 10/18/2018

LUST Page 2 of 2

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	2		
<p>9806868 LAKEWOOD RANCH SHELL 14315 E STATE ROAD 70 LAKEWOOD RANCH, FL 34202</p>	<p>J H WILLIAMS OIL CO INC PO BOX 439 ATTN: ACCOUNTS PAYAB TAMPA, FL 33601 CONTACT TEL #: (813) 917-8358 CONTACT: TOM BUTLER FACILITY TEL #: (813) 917-8385 COUNTY ID: 41 MANATEE</p>	<p>Dist (Miles): Direction:</p>	<div style="border: 1px solid black; padding: 5px; writing-mode: vertical-rl; text-orientation: mixed; font-weight: bold; font-size: 2em;">T A N K S</div>		
<p>FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)</p>					
<p>FAC STATUS: OPEN FAC TYPE: Retail Station</p>					
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	20000	01-Sep-2004	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Oct-2004
<p>CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/TIGHT FILL/LEVEL GAUGES/ALARMS</p> <p>PIPING TYPE: DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL</p> <p>LEAK MONITORING: VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE</p>					
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	20000	01-Sep-2004	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Oct-2004
<p>CONSTRUCTION TYPE: BALL CHECK VALVE/FIBERGLASS/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/TIGHT FILL/LEVEL GAUGES/ALARMS</p> <p>PIPING TYPE: DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL</p> <p>LEAK MONITORING: VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE</p>					



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 10/18/2018

TANKS Page 1 of 5

FACILITY ID NUMBER, NAME AND LOCATION

8624196
LORRAINE FARMS
HWY 70 & LORRAINE RD
MYAKKA CITY, FL 34251

OWNERSHIP INFORMATION

PIONEER OIL CO
PO BOX 9046
BRADENTON, FL 33601
CONTACT TEL #: (813) 684-8029
CONTACT: DANNY J PHILLIPS
COUNTY: 41 MANATEE
AGCY LAT/LON: 27 29 3 / 82 32 21

MAP ID NUMBER:

Dist (Miles):
Direction:

3

TANKS

FACILITY TEL #:

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

FAC STATUS: OPEN

FAC TYPE: Fuel user/Non-retail

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
1	550		Vehicle Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
2	550		Vehicle Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
3	550		Fuel Oil - Onsite Heat	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
4	550		Fuel Oil - Onsite Heat	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 10/18/2018

TANKS Page 2 of 5

FACILITY ID NUMBER, NAME AND LOCATION

8624198
MILL CREEK FARMS
LORRAINE RD & HWY 70
BRADENTON, FL 33561

OWNERSHIP INFORMATION

PIONEER OIL CO
PO BOX 9046
BRADENTON, FL 33601
CONTACT TEL #: (813) 684-8029
CONTACT: DANNY J PHILLIPS
COUNTY: 41 MANATEE
AGCY LAT/LON: 27 25 52 / 82 23 45

MAP ID NUMBER:

Dist (Miles):
Direction:

3

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FACILITY TEL #:

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

FAC STATUS: OPEN

FAC TYPE: Fuel user/Non-retail

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
1	550		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
2	550		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
3	550		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 10/18/2018

TANKS Page 3 of 5

FACILITY ID NUMBER, NAME AND LOCATION

8624202
 PEERLESS MANATEE
 HWY 70 & LORRAINE RD
 BRADENTON, FL 34206

OWNERSHIP INFORMATION

PIONEER OIL CO
 PO BOX 9046
 BRADENTON, FL 33601
CONTACT TEL #: (813) 684-8029
CONTACT: DANNY J PHILLIPS
COUNTY: 41 MANATEE
AGCY LAT/LON: 27 25 52 / 82 23 45

MAP ID NUMBER:

Dist (Miles):
Direction:

3

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FACILITY TEL #:

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

FAC STATUS: OPEN

FAC TYPE: Fuel user/Non-retail

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
1	550		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
2	550		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
3	280		Vehicular Diesel	ABOVEGROUND	IN SERVICE

CONSTRUCTION TYPE: D UNKNOWN

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 10/18/2018

TANKS Page 4 of 5

FACILITY ID NUMBER, NAME AND LOCATION

9103335
 PEERLESS MANATEE
 HWY 70 E
 BRADENTON, FL 34206

OWNERSHIP INFORMATION

TAYLOR & FULTON INC
 PO BOX 1087
 PALMETTO, FL 34221
CONTACT TEL #: (941) 729-3883
CONTACT: BEN KING/MILLARD QUI
COUNTY: 41 MANATEE
AGCY LAT/LON: 27 24 1 / 82 23 0

MAP ID NUMBER:

Dist (Miles):
Direction:

3

TANKS

FACILITY TEL #: (941) 729-3883

[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	5000	01-Jul-1985	Vehicular Diesel	ABOVEGROUND	REMOVED 01-Oct-2006

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT

PIPING TYPE:

LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	3000	01-Jul-1985	Vehicular Diesel	ABOVEGROUND	REMOVED 01-Nov-2004

CONSTRUCTION TYPE: CK STEEL/AST CONTAINMENT

PIPING TYPE:

LEAK MONITORING: Q VISUAL INSPECTION OF ASTS

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
3	5000	01-Mar-1994	Vehicular Diesel	ABOVEGROUND	REMOVED 01-Sep-1995

CONSTRUCTION TYPE: C STEEL

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/18/2018

ECHO Page 1 of 2

FRS ID NUMBER, NAME AND LOCATION:

110038669116
ENERGY TRANSFER COMPANY/ETG
LORRAINE RD & SR 70
MANATEE COUNTY, FL 34202

EPA REG: 04
TRIBAL?: N
FED FAC?:
COUNTY: MANATEE
AGENCY LAT/LON: 27.412483/ -82.422667

MAP ID NUMBER:

Dist (Miles):
Direction:

3

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

GENERAL FACILITY INFO:

AFS ID?: Y
NPDES ID?: N
SDWISID?: N
RCRAInfo ID?: N
TRIS ID?: N
GHG ID?: N
FAC SIC CODES: 4911
FAC NAICS CODES: 999999
TRIS REPORTER?:
FIPS CODE: FL081
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 :

QTRS NONCMPL LAST 5 YRS: 0
PGMS IN NONCOMPL: 0
CURR COMPL: Not Available
CURR IN SNC?: N
3YR QRTLTY 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: FL0000001208100198
CAA PERMIT TYPE: Other
NAICS CODE: 999999
SIC CODE: 4911
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: 0

CAA CURR COMPL: Not Available
CAA CURR HPV/SNC FLAG: N
CAA 3YR QRTLTY 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 QRTLTY COMPL STATUS:
CWA 3YR QRTS EFFL EXCEED:



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USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

Report Date: 10/18/2018

ECHO Page 2 of 2

RCRIS INFO:

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

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

RCRA CURR COMPL: [REDACTED]
RCRA CURR HPV/SNC FLAG: N
RCRA 3YR QRTL COMPL STATU [REDACTED]

SDWA INFO:

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

TRIS INFO:

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

FED ENF INFO:

TOTAL FEC CASES 5 YRS: [REDACTED]
FEC LAST DATE: [REDACTED]
FEC TOTAL PENLTY: [REDACTED]

GRN HOUSE GAS INFO: **GHG ID:** [REDACTED]

GHG EMISSIONS MT: N



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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: 10/18/2018

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist(mi) & Direction	Site Name	Site Address
1A ECHO	110062667975	3.65 W	THE LEARNING EXPERIENCE - LOT 2 LORRAINE CORNERS SW	14405 ARBOR GREEN TRL LAKEWOOD RANCH, FL 34202
2A ECHO	110057193326	3.53 W	PEACE RIVER ELECTRIC COOPERATIVE ADMINISTRATION BUILDING	14505 ARBOR GREEN TRL LAKEWOOD RANCH, FL 34202
3A ECHO	110064411300	3.52 W	WAWA - LORRAINE & SR 70	UNKNOWN LAKEWOOD RANCH, FL 34202
4A TANKS	9814573	3.52 W	WAWA FOOD MARKET #5185	14510 SR 70 E BRADENTON, FL 34202
5A ECHO	110037934180	3.51 W	RISEN SAVIOR EVANGELICAL LUTHE	14605 59TH AVE EAST BRADENTON, FL 34203
6A ECHO	110064872543	3.46 W	LORRAINE CORNERS SOUTHEAST LOT 3 COMMERCIAL CENTER	14620 E SR 70 LAKEWOOD RANCH, FL 34202
7A TANKS	9806461	3.22 W	PEACE RIVER ELECTRIC CO	15105 59TH AVE E BRADENTON, FL 34202
8A ECHO	110067381808	2.79 W	PREMIER SPORTS CAMPUS STORMWATER MGMT PLAN	5895 POST BLVD BRADENTON, FL 34211
9A ECHO	110057196993	1.50 SW	SR 70 SUBSTATION	18175 SR 70 E BRADENTON, FL 34202
10A ECHO	110060354398	1.59 S	THE CONCESSION	UNKNOWN BRADENTON, FL 34202
ECHO	110067430505	1.59 S	THE CONCESSION	UNKNOWN BRADENTON, FL 34202



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: 10/18/2018

Page 1 of 1

Pgm List & Fac ID No	Site Name	Site Address
ECHO		
110070097936	THE MASTER'S AVENUE EXTENSION BOURNES	UNKNOWN LAKEWOOD RANCH, FL 34202
110070144890	UNIVERSITY CORNER PUBLIX AND COVENANT	UNKNOWN BRADENTON, FL 34202
110070145940	BIG JIM SELF STORAGE LAKEWOOD RANCH	15210 SR 70 EAST BRADENTON, FL 34202
110070146274	ISLES AT LAKEWOOD RANCH	UNKNOWN LAKEWOOD RANCH, FL 34202
ERNS		
186608	RUSS GROVES	HIGHWAY 70 MYAKKA CITY, FL
650616	TRIGAS CARRIERS	STATE ROAD 70 MAYAKKA, FL
VOLCLNUP		
146075	PIRATE CITY LANDFILL	BRADENTON, FL



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: 10/13/2018

Received by EDM: 10/18/2018

EDM Database Updated: 10/18/2018

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: 10/6/2018

Received by EDM: 10/10/2018

EDM Database Updated: 10/10/2018

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: 10/18/2018

Received by EDM: 10/18/2018

EDM Database Updated: 10/18/2018

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: 10/5/2018

Received by EDM: 10/10/2018

EDM Database Updated: 10/10/2018

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: 8/13/2018

Received by EDM: 10/10/2018

EDM Database Updated: 10/10/2018

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>

CSER-Appendix E
Site Photographs

Site Photography – Ponds



Northeast area of **SMF 2A** looking southwest



Northeast area of **SMF 1A** looking west



Northeast area of **SMF 1A** looking southwest



View to the south from northern border of **Joint Use** pond



View to the north from southern area of **FPC 1A**



View to the west from central area of **FPC 2A**



View to the east along southern border of **Alternative 1 D-G**



View to the north from central area of **Alternative 1 D-G**



View to the east from northern area of **Alternative FPC-1B**



View to the south from northern area of **Alternative FPC-1B**



View to the south including wooden debris piles located on northwest area of **Alternative 2 D-J**



View to the south from central area of **Alternative 2 D-J**



View to the southeast from northwest area of **Alternative FPC-2B**



View to the west from eastern area of **Alternative FPC-2B**



View of lift station located in northwest area of **Alternative FPC-2B**



View to the south from northern area of **Alternative 1 G-H**



View to the east from western area of **Alternative 1 G-H**



View to the east from southwest area of **Alternative FPC-1C**



View to the north from southeast portion of **Alternative FPC-1C**



View to the north from southern boundary of **Alternative FPC-2C**



View to the northwest from southeast area of **Alternative 1 H-J**



View to the south from northern area of **Alternative 3 Regional**



View of Site No.1-State Road 70E



View of Site No.2-Lakewood Ranch Shell

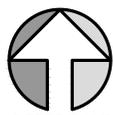


View of Site No.3-Energy Transfer Company/ETG/Lorraine Farms/Mill Creek Farms/Peerless
Manatee

CSER-Appendix F
Supplemental Information

Site 1: Lakewood Ranch Shell

340.20'(D)
340.26'(F)
S00'07'29"W(D)(F)



0' 40'
SCALE: 1" = 40'

LEGEND

- MW-# - MONITORING WELL LOCATION
- MW-#D - VERTICAL EXTENT WELL LOCATION

BOLD = EXCEEDS CTL

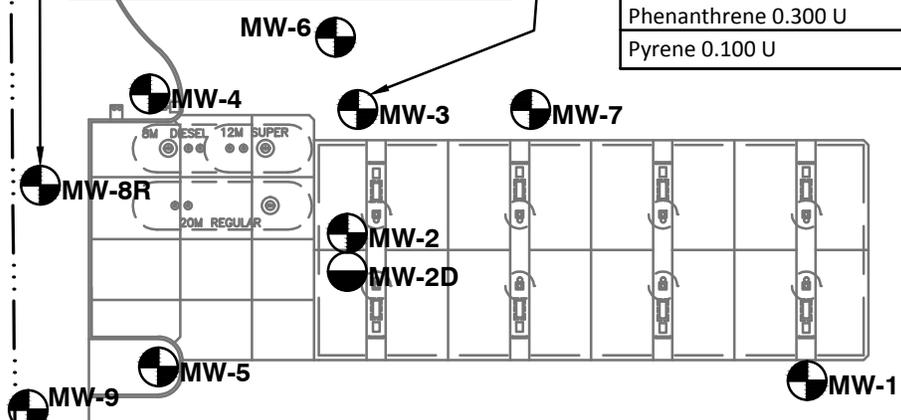
MW-8R

Naphthalene 0.500 U
1-Methylnaphthalene 0.500 U
2-Methylnaphthalene 0.500 U
Acenaphthene 0.300 U
Acenaphthylene 0.300 U
Anthracene 0.300 U
Benz(a)Anthracene 0.0500 U
Benzo(a)pyrene 0.0500 U
Benzo(b)fluoranthene 0.0500 U
Benzo(g,h,i)perylene 0.300 U
Benzo(k)fluoranthene 0.0500 U
Chrysene 0.300 U
Dibenzo(a,h)Anthracene 0.0500 U
Fluoranthene 0.0500 U
Fluorene 0.500 U
Indeno(1,2,3-cd)pyrene 0.0500 U
Phenanthrene 0.300 U
Pyrene 0.100 U

MW-3

Naphthalene 0.500 U
1-Methylnaphthalene 0.500 U
2-Methylnaphthalene 0.500 U
Acenaphthene 0.500 U
Acenaphthylene 0.300 U
Anthracene 0.300 U
Benz(a)Anthracene 0.0500 U
Benzo(a)pyrene 0.0828 I
Benzo(b)fluoranthene 0.159
Benzo(g,h,i)perylene 0.300 U
Benzo(k)fluoranthene 0.0690 I
Chrysene 0.300 U
Dibenzo(a,h)Anthracene 0.0500 U
Fluoranthene 0.119
Fluorene 0.500 U
Indeno(1,2,3-cd)pyrene 0.0814 I
Phenanthrene 0.300 U
Pyrene 0.100 U

340.13'(F)
340.06'(D)
S00'07'29"W(D)(F)



589'21'11"E(D)(F) 224.13'(D)(F)

INFINITY ENGINEERING GROUP, LLC
 201 E. Kennedy Boulevard
 Tampa, Florida 33602
 [p]: 813.434.4770, [f]: 813.445.4211
 www.iegroun.net
 Cert. Auth. No. 27889

FIGURE 2
PAH's EXCLUDING NAPH's
IN GROUNDWATER (Oct 2017)
 LAKEWOOD RANCH SHELL
 14315 S.R. 70 EAST
 BRADENTON, FLORIDA 34202

**Site 3: Energy Transfer Company/ETG/Lorraine Farms/Mill Creek Farms/Peerless
Manatee**

Marsh, Larry

From: mark.trethewey@co.manatee.fl.us
Sent: Wednesday, February 14, 2007 12:57 PM
To: Marsh, Larry
Cc: Jon.Reeder@co.manatee.fl.us
Subject: Case #s 419103335(Peerless Manatee Inc.)# 418631345(Earthworks Lane Development)

Good Afternoon Larry,

Unfortunately, I've already revisited Peerless Manatee (#41910335) on 2/7/2007.
The tank system no longer exists, it was removed and bulldozed over for a new development.
(TXIF to be performed with notification violation once we're done with the generator info.)
Earthworks (#8631345) are documentation violations, the Facility at last inspection was physically in good shape.
Let me know if you would still like to attend the TCI and I should be able to schedule it around the middle of March.

Thanks,
Mark Trethewey
Environmental Specialist
Manatee County
Environmental Management Department
P.O. Box 1000
Bradenton, FL 34206-1000
Office phone (941)-742-5980
Office fax (941)-742-5996

2/15/2007

DATA ENTERED

Department of Environmental Regulation

NOV 12 1991

Stationary Tank Registration/Notification Form

RECEIVED
DER
91 OCT -4 AM 11:01
Form 17-1.218(2)
STORAGE TANK
REGULATION

BY _____

PEERLESS MANATEE INC
P.O. Box 1087
PALMETTO, FL 34220

LOCATION: OFF HWY 70E
5 MI E OF I 75

(Make corrections to name and addresses here)

1. Facility/Addressee name: _____

Facility address: _____

Mailing address: _____

Use this form to comply with the following requirements of the Stationary Tank Rule, Chapter 17-61, Florida Administrative Code.

- Each owner or operator shall register the following with the department:
 - All existing facilities by December 31, 1984. (Questions 1-19)
 - All new storage systems or facilities at least 10 days prior to the start of installation of tanks except in the cases of emergency replacement. (Questions 1-19)
 - A non-pollutant containing installation which is to be converted to a facility, at least 10 days prior to the placement of pollutants in such a facility. (Questions 1-19)
- Each owner or operator shall notify the department of the following:
 - All storage systems within 10 days of abandonment. (Questions 1-12, 16, 20)
 - Facility sale within 10 days of sale. Notice shall be made by the seller. (Answer questions 1-7, and 11. Question 7 about the new owner.)
 - Retrofitting within 10 days of completion. (Questions 1-19)
- You may notify the department of a change of operator. (Questions 1-6)

PLEASE PRINT OR TYPE

2. Facility number (DER will provide this number): 589103335 3. Date: 9-19-91
4. Federal Employment Identification (number used to file IRS forms) _____
5. County Code (see enclosed letter): SB
6. Operator of facility: JOHN A COFER Telephone number: 813-729-3883
- Effective date (only for change of operator): _____
7. Company/Person owning tanks and piping: PEERLESS MANATEE INC Telephone number: (813) 729-3883
- Address: PO Box 1087 PALMETTO FL 34220
- Contact person: JOHN A COFER Telephone number: (813) 729-3883
- Effective date (only for change of owner): _____
8. How many tanks at this location have an individual storage capacity of greater than 550 gallons and store vehicular fuel made from petroleum?
 0 Underground 5 Aboveground
9. Facility location: Latitude: 0 Longitude: 0 Section: 9 Township: 36S Range: 19E
 This information is listed on property deeds, and in the offices of the property appraiser and tax assessor.
10. Sketch the facility on a separate page showing the APPROXIMATE location of buildings, tanks, and dispensers.
 A. Draw a line from tank to dispenser to show which are connected by piping.
 B. Label each tank as Tank 1, Tank 2, etc.
 C. Write the date and your facility number, if known, or name and address exactly as it appears above.
 D. Keep a copy of your sketch.

REFER TO TANKS BY THESE LABELS IN ANY COMMUNICATION WITH THE DEPARTMENT.
DESCRIBE PIPING BY THE NUMBER OF THE TANK IT IS ATTACHED TO.

11. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE.

John A Coffey
Name of owner, operator or authorized representative

Signature of owner, operator or authorized representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS

MAIL TO: DER Stationary Tank Registration
2600 Blair Stone Road
Room 603
Tallahassee, Florida 32301

N4

S.R. 70

Lorraine Rd

Peerless
Manatee

I-75

#3
#2

#4
#5

~~TANK #2~~

TANK #1

UNIV. DR.

