



CONTAMINATION SCREENING EVALUATION REPORT

BOGGY CREEK ROAD WIDENING From Simpson Road to Narcoossee Road

Osceola County, Florida
PS-20-11479-DG
GEC Project No. 4636E

Prepared for:
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February 5, 2021

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Attention: Mr. Kevin E. Knudsen, P.E.

Subject: Contamination Screening Evaluation Report
BOGGY CREEK ROAD WIDENING
From Simpson Road to Narcoossee Road
Osceola County, Florida
PS-20-11479-DG
GEC Project No. 4636E

Dear Mr. Knudsen:

Geotechnical and Environmental Consultants, Inc. (GEC) is pleased to present this Contamination Screening Evaluation Report (CSER) for the above-referenced project. This report describes our evaluation procedures, presents the information we obtained and assigns Contamination Risk Potential Ratings to 23 sites and 33 pond sites.

We appreciate the opportunity to work with Dewberry Engineers and Osceola County, Florida on this project. If you have any questions concerning this report, or if we may be of further assistance, please contact us.

Sincerely,

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.

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EXECUTIVE SUMMARY

Geotechnical and Environmental Consultants, Inc. (GEC) was retained by Dewberry Engineers, Inc. (Dewberry) on behalf of Osceola County, Florida to provide a Contamination Screening Evaluation Report (CSER) for the Boggy Creek Road Widening project. This CSER was performed as part of Project ID No. PS-20-11479-DG.

The purpose of this evaluation was to assess the risk of encountering petroleum or hazardous substance contamination of soil, groundwater, surface water, or sediment that could adversely affect this project. The CSER activities included a review of public regulatory files and historical data sources, and a site reconnaissance of the project study area.

As a result of this evaluation, we have assigned Contamination Risk Ratings to 23 sites. The 23 site locations are shown on **Figures 4A** and **4B** and the contamination status of each site is summarized in **Table 1**.

Using the FDOT Risk Ratings presented in **Appendix C**, we have identified **9 Low Risk, 12 Medium Risk, and 2 High Risk** sites.

Low Risk Sites (9)

Site No.	Site Name	Site Address	Risk Potential
2	Wawa Food Mart #5187	14876 Narcoossee Road	Low
4	Floridian RV Resort WWTF	5150 Boggy Creek Road	Low
6	High Plains Debris Management Site	4369 Boggy Creek Road	Low
7	Austin Tindall Debris Management Site	4100 Boggy Creek Road	Low
10	Auto Repair	3491 Boggy Creek Road	Low
11	T&W Enterprises / Williams Pit	3485 Boggy Creek Road	Low
12	Jackson Landfill	3050 Gus Road	Low
13	Unnamed Landfill	Luke Road	Low
14	Showcase MH Sales, Inc.	3300 Morningside Drive	Low

Medium and High Risk Sites (14)

Site No.	Site Name	Site Address	Risk Potential
1	7-Eleven Food Store #32659	3290 North Narcoossee Road	Medium
3	Boggy Creek Food & Gas	5160 Boggy Creek Road	Medium
5	Unnamed Nursery	Approximately 4480 Boggy Creek Road	Medium
8	Florida Sterling Investments / Kelly Property	3600 Boggy Creek Road	High
9	Boggy Creek Bromeliads	3615 Boggy Creek Road	Medium

Site No.	Site Name	Site Address	Risk Potential
15	Circle K #7466	3280 Boggy Creek Road	Medium
16	Former Auto Salvage Lot	14857 Boggy Creek Road	High
17	Historical Agricultural Use (Citrus)	Study Area	Medium
18	Uncle Jutty's Nursery	3415 Boggy Creek Road	Medium
19	Former Plant Nursery	3470 Boggy Creek Road	Medium
20	Former Plant Nursery	3530 Boggy Creek Road	Medium
21	Historical Cattle Pen	South Side of Boggy Creek Road	Medium
22	Former Plant Nursery	4324 Semoran Farms Road	Medium
23	Former Nursery and Trailer Parking Site	4370 Boggy Creek Road	Medium

Final design plans should be reviewed to evaluate the potential project impacts and the need for Level II Impact to Construction Assessments (ICAs) associated with the 12 Medium Risk and two High Risk sites. The pond site recommendations are below.

A total of 33 stormwater pond alternatives have been evaluated to address stormwater management. Not all the proposed stormwater ponds will be selected for use. Level II Impact to Construction Assessments (Level II Assessments) may be required for the **Medium and High Risk** pond sites, depending on the final pond locations and configurations.

Pond Site Alternatives (33)

Pond Site No.	Location	Risk Potential	Reasoning
1A	Approximately 965 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Adjacent to former citrus groves (Medium risk site)
1B	Approximately 500 feet west of Boggy Creek Road, west of Will Hughey Road	Low	Not adjacent to or within any Contamination Risk Rated (CRR) sites
1C	Approximately 715 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Adjacent to former citrus groves (Medium risk site)
1D	Expansion of an existing pond, to the adjacent to the west of Boggy Creek Road and east of Will Hughey Road	Low	On-site excavations for the current pond; adjacent to former citrus groves (Medium risk site)
2A	Southwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	Not adjacent to or within any CRR sites
2B	Northwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	Not adjacent to or within any CRR sites

Pond Site No.	Location	Risk Potential	Reasoning
2C	Approximately 350 feet southwest of Boggy Creek Road, just south of Great Oaks Boulevard	Medium	Historical plant nursery and debris on-site
3A	Southwest corner of the Boggy Creek Road and Lake Vista Drive intersection	High	Located within the Florida Sterling Investments / Kelly Property (former auto salvage yard)
3B	Approximately 300 feet north-northeast of Boggy Creek Road, to the adjacent west of Tohopekaliga High School	Medium	Located within the Boggy Creek Bromeliads site; former nursery
3C	Approximately 300 feet south of Boggy Creek Road, adjacent to the west of East Lake Road	Low	Not adjacent to or within any CRR sites
3D	Approximately 350 feet southwest of Boggy Creek Road, adjacent to the west of Lake Vista Drive	Medium	Large amounts of imported fill have been brought to the property from unknown origin
4A	Adjacent to the north of Boggy Creek Road, approximately 660 feet east of Turnberry Boulevard	Medium	Historical agricultural use and debris on-site
4B	Adjacent to the south of Boggy Creek Road and adjacent to the east of the Austin Tindall County Park	Low	Located adjacent to the east of Austin Tindall Debris Management Site (Low risk site)
4C	Expansion of existing ponds at the southeast corner of the Austin Tindall Sports Complex, 950 feet south of Boggy Creek Road	Low	Located within the Austin Tindall Debris Management Site (Low risk site)
4D	Expansion of an existing pond on the southern portion of the Austin Tindall Sports Complex, approximately 1,050 feet south of Boggy Creek Road	Low	Located within the Austin Tindall Debris Management Site (Low risk site)
5A	Adjacent to the east of Boggy Creek Road and approximately 330 feet north of Semoran Farms Road	Low	Adjacent to former citrus groves (Medium risk site)
5B	Adjacent to the southeast of Boggy Creek Road and adjacent to the south of Semoran Farms Road	Medium	Developed with an apparent former nursery or greenhouse in 1984
5C	Approximately 750 feet east of Boggy Creek Road and adjacent to the north of Semoran Farms Road	Low	Not adjacent to or within any CRR sites
6A	Adjacent to the northwest of Boggy Creek Road, approximately 460 feet northeast of High Plains Road	Low	Not adjacent to or within any CRR sites

Pond Site No.	Location	Risk Potential	Reasoning
6B	Approximately 500 feet north of Boggy Creek Road, with an access road leading northward from Boggy Creek Road, to the adjacent west of Jim Branch Creek	Low	Not adjacent to or within any CRR sites
7A	Approximately 500 feet north of Boggy Creek Road, west of High Plains Road	Low	Not adjacent to or within any CRR sites
7B	Adjacent to the south of Boggy Creek Road, approximately 175 feet east of Jim Branch Creek	Medium	In use as a plant nursery in 2007; adjacent to former citrus groves (Medium risk site)
7C	Approximately 520 feet north of Boggy Creek Road, west of High Plains Road	Low	Not adjacent to or within any CRR sites
8A	Adjacent to the south of Boggy Creek Road, approximately 1,150 feet west of Rustic Drive, and 175 feet east of Grouse Avenue	Low	Not adjacent to or within any CRR sites
8B	Adjacent to the south of Boggy Creek Road, approximately 860 feet west of Rustic Drive	Low	Not adjacent to or within any CRR sites
8C	Adjacent to the south of Boggy Creek Road, approximately 540 feet west of Rustic Drive	Low	Not adjacent to or within any CRR sites
9A	Adjacent to the south of Boggy Creek Road, at the northwest corner of Lakes Edge Lane	Low	Not adjacent to or within any CRR sites
9B	Expansion of existing pond approximately 900 feet south of Boggy Creek Road	Low	Not adjacent to or within any CRR sites
10A	Adjacent to the south of Boggy Creek Road, at the northeast corner of Waterbridge Court	Low	Not adjacent to or within any CRR sites
10B	Expansion of existing pond approximately 840 feet south of Boggy Creek Road	Low	Not adjacent to or within any CRR sites
11A	Northeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	Adjacent to the east of the former 7-Eleven gas station (Low risk)
11B	Southeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	Adjacent to the east of the former 7-Eleven gas station (Low risk)
11C	Southwest corner of the Boggy Creek Road and Narcoossee Road intersection	Medium	Encompasses former 7-Eleven gas station (Low risk site); however, previously unknown contamination may be encountered during pond construction

1.0 INTRODUCTION

1.1 Contract Information

Geotechnical and Environmental Consultants, Inc. (GEC) was retained by Dewberry Engineers, Inc. (Dewberry) on behalf of Osceola County, Florida to provide a Contamination Screening Evaluation Report (CSER) for the Boggy Creek Road Widening project. This CSER was performed as part of the Osceola County Project No. PS-20-11479-DG.

1.2 Purpose

The purpose of this evaluation is the early identification of potential contamination sites that could impact this project...

The presence of contaminated environmental media (soil, groundwater, surface water, and sediment) can have a significant negative impact on the cost and schedule to complete a roadway improvement project.

The purpose of this evaluation was the early identification of potential contamination sites that could impact this project and to provide valuable input for the design, right-of-way acquisition, and construction phases.

2.0 PROJECT DESCRIPTION

The following sections describe the current study area conditions, the project construction plans and elements of the project that could be impacted by soil or groundwater contamination. Common terms used in this report can be found in **Appendix B**.

2.1 Site Description

The study area includes approximately 5.9-miles of Boggy Creek Road from...Simpson Road to...Narcoossee Road...

The study area includes approximately 5.9-miles of Boggy Creek Road (SR 530) from the intersection with Simpson Road to the intersection with Narcoossee Road in Kissimmee, Osceola County. The project alignment is shown on excerpts of the U.S. Geological Survey (USGS) St. Cloud North and Narcoossee, Florida Quadrangle maps (**Figure 1**) in the **Appendix**.

2.2 Current Land Use

The current land uses within the study area are shown on the St. Johns River Water Management District (SJRWMD) Map on **Figure 2** and are summarized as follows:

- Residential, Low Density
- Mobile Homes and Trailer Parks
- Residential, Rural
- Residential/Daycare
- Medium Density Under Construction
- Residential, High Density / Mobile Homes
- Parks and Zoos
- Open Land
- Improved Pastures
- Unimproved Pastures
- Woodland Pastures
- Citrus Groves
- Ornamentals
- Shrub and Brushland
- Palmetto Prairies
- Pine Flatwoods
- Upland Mixed Coniferous/Hardwood
- Streams and Waterways
- Reservoirs
- Mixed Wetland Hardwoods
- Cypress
- Cypress-Domes/Heads
- Cypress-Mixed Hardwoods
- Freshwater Marshes
- Dikes and Levees

The Citrus Groves and Ornamentals (plant nursery) land uses are discussed in Sections 6.5, 9.1 and 9.2.

2.3 Project Description

Based on our understanding, the project includes design of a four-lane divided urban roadway. The storm sewer will be modified to accommodate the proposed roadway. A total of 33 proposed pond sites are being considered within the project design. A triple box culvert will be replaced. Three signalized intersections will be reconstructed. The corridor improvements will also include landscaping and lighting.

2.4 Potential Contamination Impacts

The project elements that could be impacted by soil and/or groundwater contamination include the following:

- Soil excavation for roadway, sidewalk, and pavement construction, drilled shafts, and drainage improvements
- Excavation dewatering for drainage improvements

3.0 CONTAMINATION SCREENING METHODOLOGY

GEC conducted this evaluation in general accordance with Chapter 20 of the FDOT PD&E Manual dated July 1, 2020. The study area is defined by the following distances from the right of way:

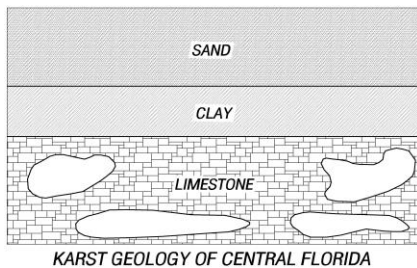
- All sites within 500 feet
- Non-landfill solid waste sites within 1,000 feet
- Solid waste landfills, CERCLA, or National Priorities List (NPL) sites within ½ mile

GEC reviewed relevant information from the FDEP, USEPA, and local agencies in Osceola County to identify known or potential contamination sites within the study area. Historical aerial photographs and other published historical sources were reviewed as part of this CSER. GEC performed a site reconnaissance of the properties within the study area and attempted to interview individuals with knowledge of the study area’s environmental status.

Based on the results of the contamination screening activities, GEC assigned Risk Ratings to sites. The risk rating system was developed by FDOT and incorporates four levels of risk: **No, Low, Medium and High**. For a description of the four risk levels please refer to **Appendix C**.

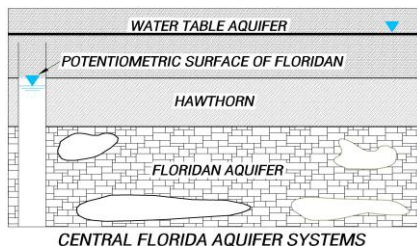
4.0 GEOLOGIC AND GEOGRAPHIC CONDITIONS

4.1 Central Florida Geology



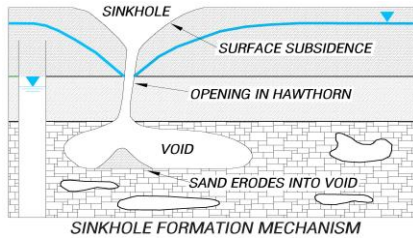
Due to its prevalent geology, referred to as karst, Central Florida is prone to the formation of sinkholes, or large, circular depressions created by local subsidence of the ground surface. The nature and relationship of the three sedimentary layers typical of Central Florida geology cause sinkholes. The deepest, or basement, layer is a massive cavernous limestone formation known as the Floridan aquifer.

The Floridan aquifer limestone is overlain by a silty or clayey sand, clay, phosphate, and limestone aquitard (or flow-retarding layer) ranging in thickness from nearly absent to greater than 100 feet and locally referred to as the Hawthorn Group (Hawthorn). The Hawthorn is in turn overlain by a 40 to 70-foot thick surficial layer of sand, bearing the water table aquifer. The likelihood of sinkhole occurrence at a given site within the region is determined by the relationship among these three layers, specifically by the water (and soil)-transmitting capacity of the Hawthorn at that location.



The water table aquifer is comprised of Recent and Pleistocene sands and is separated from the Eocene limestone of the Floridan aquifer by the Miocene sands, clays and limestone of the Hawthorn. Since the thickness and consistency of the Hawthorn is variable across Central Florida, the likelihood of groundwater flow from the upper to

the lower aquifer (known as aquifer recharge) will also vary by geographical location.



In areas where the Hawthorn is absent, water table groundwater (and associated sands) can flow downward to cavities within the limestone aquifer, like sand through an hourglass, recharging the Floridan aquifer, and sometimes causing the formation of surface sinkholes. This process of subsurface erosion associated with recharging the Floridan

aquifer is known as raveling. Thus, in Central Florida, areas of effective groundwater recharge to the Floridan aquifer have a higher potential for the formation of surface sinkholes.

Based on the U.S. Geological Survey Map entitled "Recharge and Discharge Areas of the Floridan Aquifer in the St. Johns River Water Management District and Vicinity, Florida," 1984, the study area lies in an area of low to moderate recharge; therefore, we can conclude based solely on this data that it also lies in an area where the relative risk of sinkhole formation is low compared to the overall risk across Central Florida.

4.2 USGS Quadrangle Map

The study area has been transposed onto the United States Geological Survey (USGS) St. Cloud North and Narcoossee, Florida Quadrangle maps for this area, as shown on **Figure 1**. According to the quadrangle maps, the natural ground surface elevation in the vicinity of Boggy Creek Road is between +75 and +80 feet NGVD, with a slightly lower elevation (approximately +65 feet NGVD) at the east end, near Narcoossee Road. The regional topography slopes towards Boggy Creek, East Lake Tohopekaliga, Fells Cove, and several drainage conveyances (ditches, canals) that flow into East Lake Tohopekaliga.

No demarcated landfills, quarries, or other conditions are depicted that would represent potential contamination concerns on, or in the immediate vicinity of, the study area which were not identified from other sources. Several small borrow pits were depicted on the topographic map, generally on the north side of Boggy Creek Road. The pits were relatively small and appear on residential parcels, possibly having been excavated for fill material for the residential structures.

Areas of historical citrus groves are shown within the central and eastern portions of the study area.

4.3 NRCS Soil Survey Review

The NRCS Soil Surveys of Orange and Osceola Counties, Florida were reviewed for information regarding near-surface soil conditions within the project limits, as shown on **Figure 3**. The following soil types were identified within the study area:

Unit No.	Orange County Soil Name
2	Adamsville variant fine sand, 0 to 5 percent slopes
3	Anoka fine sand
19	Hontoon Muck, frequently ponded, 0 to 1 percent slopes
26	Ona fine sand, 0 to 2 percent slopes
34	Pomello fine sand, 0 to 5 percent slopes
37	Pompano fine sand, frequently ponded, 0 to 1 percent slopes
40	Samsula muck, frequently ponded, 0 to 1 percent slopes
42	Smyrna fine sand, 0 to 2 percent slopes
54	Zolfo fine sand, 0 to 2 percent slopes
Unit No.	Osceola County Soil Name
1	Adamsville sand, 0 to 2 percent slopes
4	Arents, 0 to 5 percent slopes
5	Basinger fine sand, 0 to 2 percent slopes
6	Basinger fine sand, depressional, 0 to 1 percent slopes
9	Cassia fine sand, 0 to 2 percent slopes
10	Delray loamy fine sand, depressional
16	Immokalee fine sand, 0 to 2 percent slopes
22	Myakka fine sand, 0 to 2 percent slopes
24	Narcoossee fine sand, 0 to 2 percent slopes
27	Ona fine sand, 0 to 2 percent slopes
31	Pits
32	Placid fine sand, frequently ponded, 0 to 1 percent slopes
33	Placid variant fine sand
43	St. Lucie fine sand, 0 to 5 percent slopes
44	Tavares fine sand, 0 to 5 percent slopes
99	Water

An area designated “Pits” is noted in the southeast portion of the study area, at the location of **Site Nos. 3 and 4**, Boggy Creek Food & Gas and Floridian RV Resort WWTF, respectively. Additionally, a small area of “Arents, 0 to 5 percent slopes” is located at the southeast portion of the Study Area, adjacent to excavated canals and residential parcels. No sites or proposed ponds are located within the “Arents” soil type. **Site Nos. 3 and 4** are discussed in **Table 1**.

No landfills, borrow pits, quarries, or other conditions are depicted that would represent potential contamination concerns on, or in the immediate vicinity of, the study area which were not identified on the aerial photographs, topographic maps, EDR report, or other sources.

Information contained in the NRCS Soil Survey is very general and may be outdated. It may not therefore be reflective of actual soil and groundwater conditions, particularly if recent development in the site vicinity has modified soil conditions or surface/subsurface drainage.

4.4 Geotechnical Investigation

GEC is in the process of preparing a geotechnical investigation, which will be submitted under separate cover.

5.0 HISTORICAL DATA REVIEW

5.1 Historical Aerial Photographs

Historical aerial photographs of the study area were reviewed to evaluate past land use and to identify features that may indicate hazardous material or petroleum contamination. Available historical aerial photographs of the study area were accessed from Google Earth, the Florida Department of Transportation, and the University of Florida websites. Aerial photographs for the following years were reviewed: 1944, 1951, 1959, 1969, 1974, 1978, 1983, 1990, 1994, 1999, 2007, 2013, and 2019.

Dating back to 1944, Narcoossee Road was visible along the east end of the alignment. Portions of what later becomes Boggy Creek Road are visible along the western two-thirds of the study area. Land use consists of unimproved rangeland and areas of citrus.

By 1951, the current alignment of Boggy Creek Road has been constructed. Adjacent land uses continue to be rural agriculture. A few rural residences were visible along the study area in 1959.

By 1974, the Floridian RV Park (**Site No. 4**), Sterling Investments (**Site No. 7**), the unnamed landfill (**Site No. 11**) and the residence at the former auto salvage lot (**Site No. 14**) are visible. No significant changes were noted in 1978.

The Boggy Creek Food & Gas facility (**Site No. 3**), the former residence at the High Plains Debris Management site (**Site No. 5**), and the excavations at the Williams Pit and Jackson Landfill (**Sites 9 and 10**, respectively) are visible in 1984. The Florida Sterling property and the former auto salvage lot each appear in use as auto salvage yards. Rural residences are visible along the

corridor, mostly on the north side of Boggy Creek Road. Citrus remains prevalent on the southern side of Boggy Creek Road. Conditions appeared relatively unchanged in 1990.

In 1994, Austin Tindall Park Disaster Debris Area (**Site No. 6**) has been developed, and the portion of the Florida Sterling Investments property (**Site No. 7**) that is within Study Area boundaries appears in use as an auto salvage facility. The residence and garage at the former auto repair facility (**Site No. 8**) are visible, and significant amounts of debris are visible adjacent to the excavation at the Williams Pit site (**Site No. 9**). The Showcase Mobile Homes site (**Site No. 12**) and Circle K facility (**Site No. 13**) are also developed.

In 1999, the 7-Eleven Food Store (**Site No. 1**) is visible at the southwest corner of the Boggy Creek and Narcoossee Roads intersection. Additional residential development is visible along the corridor from 1999 through 2019, when the Wawa gas station (**Site No. 2**), is visible.

Tables 2 and **2A** describe the aerial photograph details for the sites assigned Contamination Risk Ratings (CRR). Pertinent details identified in the historical aerial photographs are also included in the Potential Contamination Site Descriptions in **Table 1**. The historical aerial photographs are provided in **Appendix A**.

5.2 City Directories

City Directories are historical listings of businesses and residences in a given area, similar to a standard telephone book. The site occupant and addresses listed for previous years can identify past land uses. GEC contracted with Environmental Data Resources (EDR) to provide a city directory review for the study area. EDR researched city directories from 1971 through 2017 at approximately 5-year intervals.

Table 3 summarizes the historical city directory listings within the study area. The EDR City Directory Report is included in **Appendix D**.

5.3 Fire Insurance Maps

Fire insurance maps are used by insurance companies in assessing fire risk. These maps contain details about building construction, business type, building contents, fuel storage tanks, and other factors affecting fire risk.

Sanborn Fire Insurance maps were not available for the study area. The fire insurance map search information is included in **Appendix E**.

5.4 Historical Quadrangle Maps

GEC reviewed historical quadrangle maps at the www.Historicaerials.com website. The maps for 1954, 1972, 1976, 1981, 1987, 2012, 2015, and 2018 were reviewed.

Boggy Creek Road, Narcoossee Road, and Simpson Road are visible in the earliest available 1954 topographic map. Citrus is depicted on the south side of Boggy Creek Road from 1954 through 1987. The Study Area appears to have been very rural through 1987, when several residential side streets and neighborhoods are visible. Additionally, several pits or ponds were excavated on rural residential properties, on the north side of Boggy Creek Road, can be seen in the 1987 map. The 2012 through 2018 maps show the current residential streets and neighborhoods, though no structures are depicted.

The historical quadrangle maps do not depict named landfills, borrow pits, quarries, or other conditions that would represent potential contamination concerns on, or in the immediate vicinity of, the study area which were not identified by other sources.

5.5 Historical Contamination Screening Evaluation Report

No historical Contamination Screening Evaluation Reports were available for the study area.

6.0 PUBLIC RECORD REVIEW

GEC conducted a review of the public record for the study area including information obtained from the USEPA and the FDEP. As a part of our review, GEC subcontracted with EDR for a regulatory database search. The EDR Radius Map Report is included in **Appendix F**.

6.1 Florida Department of Environmental Protection (FDEP) Databases

The FDEP has compiled several databases that are useful in identifying potential sources of hazardous material or petroleum product contamination. The FDEP databases reviewed for this study and their common abbreviations are provided in **Appendix G**.

6.2 United States Environmental Protection Agency (USEPA) Databases

The federal government has compiled several databases that are useful in identifying potential sources of hazardous material or petroleum product contamination. The federal databases reviewed for this study and their common abbreviations are provided in **Appendix H**.

6.3 FDEP OCULUS Document Management System, Map Direct Website, and Nexus Portal

The FDEP uses the OCULUS Document Management System, Map Direct Website, and Nexus Portal to provide public record information for petroleum or hazardous material releases to the environment, generators of hazardous waste, and solid waste facilities. Information contained in this data management system includes the status of active and abandoned storage tanks, tank inspection reports, tank closure reports, environmental assessment reports, remedial action reports, hazardous waste generator compliance details, and solid waste facility compliance details.

GEC reviewed the OCULUS Document Management System, Map Direct Website, and Nexus Portal within the search distances provided in Section 4.0. The results of our review have been incorporated in our Potential Contamination Site Descriptions in **Table 1**. The FDEP OCULUS, Map Direct and Nexus Portal Information can be found in **Appendix I**.

6.4 EDB Delineated Areas

The Florida Legislature had the FDEP implement the EDB Delineated Areas Program in 1988 under Chapter 62-524, FAC. The purpose of the program was to protect public health and groundwater resources by regulating potable water well construction and testing standards for areas of known groundwater contamination. During the period 1962 to 1980, the Florida Department of Agriculture and Consumer Services (FDACS) conducted widespread applications of ethylene dibromide (EDB), an agricultural pesticide, to control nematodes in citrus groves. In 1983, the FDEP began testing groundwater in potable wells throughout Florida due to the discovery of EDB in wells in other states. The delineated areas of EDB groundwater contamination are shown on the FDEP Map Direct website. The potable wells, agricultural or residential, with confirmed impacts were shown on the website with a 1,000-foot buffer zone in an attempt to project future migration of contaminants. However, this does not mean that there is not EDB contamination outside of that 1,000-foot zone.

After reviewing these EDB-delineated areas on the FDEP Map Direct website, in the vicinity of the study area, GEC found that no EDB-delineation areas appear within the study area.

6.5 Agricultural Land Use

Citrus groves were historically located on the southern side of Boggy Creek Road along the study area from prior to 1941 through at least 2003. Groves were also located on the north side of Boggy Creek Road just west of the intersection with Narcoossee Road through 1974. Plant nurseries also exist and historically existed within the study area.

Irrigation wells, well pumps, and spray tank filling stations are commonly found associated with agricultural properties. The irrigation wells are often connected to a pump and irrigation system. Irrigation systems can include metal, plastic and, historically, transite (asbestos) lines. Some irrigation systems have fertilizer and chemical tanks that are interconnected with the irrigation system, allowing the crops to be fertilized or treated with agricultural chemicals using the irrigation system.

Irrigation pumps are commonly found inside small buildings or “pump houses”. Irrigation pumps can be electrical or fuel powered. The pumps that are powered by electricity often have an associated electrical transformer and the pumps powered by fuel (often diesel fuel) have an associated fuel tank. Fuel powered pumps are typically larger and require more maintenance such as changing of oil and greasing or lubricating moving parts. Historically, some farmers would drain the used-oil to the ground as opposed to collecting and recycling the used-oil.

Some properties also have filling pipes for spray tanks that can be on trucks, tractors, or trailers. The filling pipe is sometimes a garden hose; however, a gallows-like pipe in an inverted “L” shape with a downspout is common. Pesticides and herbicides are added to the tanks and the tanks filled with water for application to the plants. During the filling of the spray tanks, chemicals were often spilled and tanks were allowed to overflow. In some instances, stagnant fluids remaining in the tanks are discharged at the filling location.

Barns and pole barns are used for equipment and material storage. Often the farms have tractors, water tank trucks or trailers, and various spray equipment. Chemicals that may be stored for farm use include pesticides, herbicides, tractor and truck fuel, oil, and fertilizers. Some farms have a maintenance barn where vehicle repair and maintenance are performed. Some of these facilities had aboveground or underground fuel tanks for fueling various farm equipment.

Historically many citrus groves, vineyards, and plant nurseries would heat the groves when temperatures dropped in the winter, to protect the crops from frost or freeze. The most commonly used heater was the smudge pot. A smudge pot would be used to burn diesel fuel, oil, waste oil, kerosene or other flammable liquids. Some farmers would burn old tires in them or on the ground. Other farmers had fuel-powered pole-mounted fans to create a breeze that would theoretically keep frost from forming.

Some farms also have dumping areas; these can be in surface piles or excavated holes in the ground, such as side-slopes of hills. Common types of dumped objects include agricultural chemical containers, tires, irrigation piping, plant pots, plant or tree cuttings, and various broken farming equipment. Some farms have on-site landfills or dumps where farm and house-related debris has been buried.

Agricultural contamination can include pesticides, herbicides, petroleum, and other impacts. Pesticide and herbicide impacts can be residual amounts from routine spraying, from spills, or from areas where it was stored. Petroleum impacts can be from fueling spills, overfilling fuel tanks, vehicles, or smudge pots, and discharges from rusted tanks and smudge pots. Other impacts could be from electrical transformers (PCB), discharging used-oil to the ground during pump or vehicle maintenance and repairs, or burning old tires on the ground to heat an area during a cold spell.

Although there were no obvious signs of environmental impacts observed during the site reconnaissance, residual impacts to the soil or groundwater could exist based on the aforementioned potential use of contaminants of concern in the historical citrus and nursery operations within the study area. Historical citrus groves are listed as **Site No 17**. Plant nurseries were assigned **Sites Nos. 5, 9, 18-20, 22, and 23**.

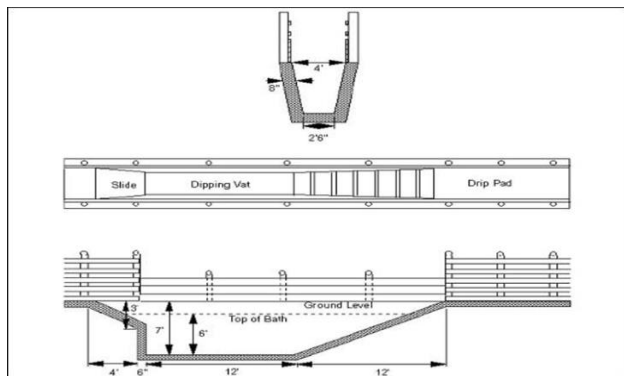
6.6 Railroad Corridors

No railroad corridors were identified within the study area.

6.7 Cattle Dip Vats

Cattle dip vats were a response to cattle tick fever in the 1890s. The USDA initiated the cattle dip vat program in 1906 and approximately 3,200 cattle dip vats had been constructed by 1940.

Cattle dip vats were used until the 1960s and many vats have not been located or documented. Cattle dip vats were used to apply pesticides to cattle and other livestock, kill ticks, and thereby eliminate tick-borne diseases. The vats were typically constructed of concrete. They consisted of four sections; the entrance slide, dipping vat, exit stairs and drip pad. Cattle entered the chute leading to the entrance slide, slid down into the pesticide-filled vat, swam or walked across the vat and walked up the exit stairs to the drip pad. The vats were roughly four feet wide, seven feet deep, and 40 feet long as shown on the adjacent diagram.



Due to the relatively small size of the vat and the narrow profile, it is difficult to identify a cattle dip vat from aerial photographs, or in a wooded area. Cattle dip vats are typically identified when the land owner reveals the location, when they are located near historical cattle pens and chutes, and by happening upon them. To add to the difficulty in identifying historical cattle dip

vats, many landowners removed the vats when the program was closed. They either dug up the vat or broke up the concrete and covered it with soil.

No cattle dip vats were identified within the study area through public record and database review, historical aerial photograph review, or site reconnaissance. Based on available information, we found no evidence that cattle dip vats within the study area contribute to contamination risk for this project. A historical cattle pen was identified as **Site No. 21**.

7.0 INTERVIEWS

On October 23, 2020, GEC emailed Mr. Shane Gibbs with FDEP's Office of Emergency Response. Mr. Gibbs provided information on a reported spill at the Floridian RV Park (**Site No. 4**). Documents provided by Mr. Gibbs indicate that the spill incident is considered "closed".

On November 2, 2020, GEC contacted the FDEP project manager, Mr. Andrew Kleinberg, requesting additional information on the Circle K facility (**Site No. 13**). Mr. Kleinberg responded on November 2, 2020 with two additional assessment reports. These reports, along with other documents, were reviewed and summarized in **Table 1**.

No additional interviews were performed in the preparation of this assessment. The interview documentation is included in **Appendix J**.

8.0 SITE RECONNAISSANCE

A GEC representative performed a reconnaissance of the general study area on November 3, 2020. A total of 28 potential pond sites allowed access and were visited on January 13 and 15, 2021. Access was not provided for five potential pond sites. The purpose of the reconnaissance was to document current conditions and evaluate whether current land uses could result in hazardous material or petroleum product contamination of environmental media.

The properties within the project study area were visually inspected for evidence of contamination such as stressed vegetation, underground tank vent and fill pipes, dumping, accumulated areas of debris, evidence of buried materials, and ground staining.

Details of the site reconnaissance are incorporated in the Potential Contamination Site Descriptions in **Table 1**. Photographs obtained for each potential contamination site are also included in **Table 1**. Discussion of the pond site reconnaissance is included in **Table 4**.

9.0 CONCLUSIONS AND RECOMMENDATIONS

This CSER has identified 23 sites that, in GEC’s opinion, have some risk of contamination impacts to this project. The site locations are shown on **Figure 4**. **Table 1** summarizes the findings for each rated site. GEC did not identify any “No” risk sites within the study limits.

9.1 Potential Contamination Sites

Low Risk Sites (9)

Site No.	Site Name	Site Address	Risk Potential
2	Wawa Food Mart #5187	14876 Narcoossee Road	Low
4	Floridian RV Resort WWTF	5150 Boggy Creek Road	Low
6	High Plains Debris Management Site	4369 Boggy Creek Road	Low
7	Austin Tindall Debris Management Site	4100 Boggy Creek Road	Low
10	Auto Repair	3491 Boggy Creek Road	Low
11	T&W Enterprises / Williams Pit	3485 Boggy Creek Road	Low
12	Jackson Landfill	3050 Gus Road	Low
13	Unnamed Landfill	Luke Road	Low
14	Showcase MH Sales, Inc.	3300 Morningside Drive	Low

Medium and High Risk Sites (14)

Site No.	Site Name	Site Address	Risk Potential
1	7-Eleven Food Store #32659	3290 North Narcoossee Road	Medium
3	Boggy Creek Food & Gas	5160 Boggy Creek Road	Medium
5	Unnamed Nursery	Approximately 4480 Boggy Creek Road	Medium
8	Florida Sterling Investments / Kelly Property	3600 Boggy Creek Road	High
9	Boggy Creek Bromeliads	3615 Boggy Creek Road	Medium
15	Circle K #7466	3280 Boggy Creek Road	Medium
16	Former Auto Salvage Lot	14857 Boggy Creek Road	High
17	Historical Agricultural Use (Citrus)	Study Area	Medium
18	Uncle Jutty’s Nursery	3415 Boggy Creek Road	Medium
19	Former Plant Nursery	3470 Boggy Creek Road	Medium
20	Former Plant Nursery	3530 Boggy Creek Road	Medium
21	Historical Cattle Pen	South Side of Boggy Creek Road	Medium
22	Former Plant Nursery	4324 Semoran Farms Road	Medium
23	Former Nursery and Trailer Parking Site	4370 Boggy Creek Road	Medium

Final design plans should be reviewed to evaluate the potential project impacts and the need for Level II Impact to Construction Assessments (ICAs) associated with the 12 Medium Risk and two High Risk sites. The pond site recommendations are below.

A total of 33 stormwater pond alternatives have been evaluated to address stormwater management. Not all the proposed stormwater ponds will be selected for use. Level II Impact to Construction Assessments (Level II Assessments) may be required for the **Medium and High Risk** pond sites, depending on the final pond locations and configurations.

Pond Site Alternatives (33)

Pond Site No.	Location	Risk Potential	Reasoning
1A	Approximately 965 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Adjacent to former citrus groves (Medium risk site)
1B	Approximately 500 feet west of Boggy Creek Road, west of Will Hughey Road	Low	Not adjacent to or within any Contamination Risk Rated (CRR) sites
1C	Approximately 715 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Adjacent to former citrus groves (Medium risk site)
1D	Expansion of an existing pond, to the adjacent to the west of Boggy Creek Road and east of Will Hughey Road	Low	On-site excavations for the current pond; adjacent to former citrus groves (Medium risk site)
2A	Southwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	Not adjacent to or within any CRR sites
2B	Northwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	Not adjacent to or within any CRR sites
2C	Approximately 350 feet southwest of Boggy Creek Road, just south of Great Oaks Boulevard	Medium	Historical plant nursery and debris on-site
3A	Southwest corner of the Boggy Creek Road and Lake Vista Drive intersection	High	Located within the Florida Sterling Investments / Kelly Property (former auto salvage yard)
3B	Approximately 300 feet north-northeast of Boggy Creek Road, to the adjacent west of Tohopekaliga High School	Medium	Located within the Boggy Creek Bromeliads site; former nursery

Pond Site No.	Location	Risk Potential	Reasoning
3C	Approximately 300 feet south of Boggy Creek Road, adjacent to the west of East Lake Road	Low	Not adjacent to or within any CRR sites
3D	Approximately 350 feet southwest of Boggy Creek Road, adjacent to the west of Lake Vista Drive	Medium	Large amounts of imported fill have been brought to the property from unknown origin
4A	Adjacent to the north of Boggy Creek Road, approximately 660 feet east of Turnberry Boulevard	Medium	Historical agricultural use and debris on-site
4B	Adjacent to the south of Boggy Creek Road and adjacent to the east of the Austin Tindall County Park	Low	Located adjacent to the east of Austin Tindall Debris Management Site (Low risk site)
4C	Expansion of existing ponds at the southeast corner of the Austin Tindall Sports Complex, 950 feet south of Boggy Creek Road	Low	Located within the Austin Tindall Debris Management Site (Low risk site)
4D	Expansion of an existing pond on the southern portion of the Austin Tindall Sports Complex, approximately 1,050 feet south of Boggy Creek Road	Low	Located within the Austin Tindall Debris Management Site (Low risk site)
5A	Adjacent to the east of Boggy Creek Road and approximately 330 feet north of Semoran Farms Road	Low	Adjacent to former citrus groves (Medium risk site)
5B	Adjacent to the southeast of Boggy Creek Road and adjacent to the south of Semoran Farms Road	Medium	Developed with an apparent former nursery or greenhouse in 1984
5C	Approximately 750 feet east of Boggy Creek Road and adjacent to the north of Semoran Farms Road	Low	Not adjacent to or within any CRR sites
6A	Adjacent to the northwest of Boggy Creek Road, approximately 460 feet northeast of High Plains Road	Low	Not adjacent to or within any CRR sites
6B	Approximately 500 feet north of Boggy Creek Road, with an access road leading northward from Boggy Creek Road, to the adjacent west of Jim Branch Creek	Low	Not adjacent to or within any CRR sites
7A	Approximately 500 feet north of Boggy Creek Road, west of High Plains Road	Low	Not adjacent to or within any CRR sites
7B	Adjacent to the south of Boggy Creek Road, approximately 175 feet east of Jim Branch Creek	Medium	In use as a plant nursery in 2007; adjacent to former citrus groves (Medium risk site)

Pond Site No.	Location	Risk Potential	Reasoning
7C	Approximately 520 feet north of Boggy Creek Road, west of High Plains Road	Low	Not adjacent to or within any CRR sites
8A	Adjacent to the south of Boggy Creek Road, approximately 1,150 feet west of Rustic Drive, and 175 feet east of Grouse Avenue	Low	Not adjacent to or within any CRR sites
8B	Adjacent to the south of Boggy Creek Road, approximately 860 feet west of Rustic Drive	Low	Not adjacent to or within any CRR sites
8C	Adjacent to the south of Boggy Creek Road, approximately 540 feet west of Rustic Drive	Low	Not adjacent to or within any CRR sites
9A	Adjacent to the south of Boggy Creek Road, at the northwest corner of Lakes Edge Lane	Low	Not adjacent to or within any CRR sites
9B	Expansion of existing pond approximately 900 feet south of Boggy Creek Road	Low	Not adjacent to or within any CRR sites
10A	Adjacent to the south of Boggy Creek Road, at the northeast corner of Waterbridge Court	Low	Not adjacent to or within any CRR sites
10B	Expansion of existing pond approximately 840 feet south of Boggy Creek Road	Low	Not adjacent to or within any CRR sites
11A	Northeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	Adjacent to the east of the former 7-Eleven gas station (Low risk)
11B	Southeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	Adjacent to the east of the former 7-Eleven gas station (Low risk)
11C	Southwest corner of the Boggy Creek Road and Narcoossee Road intersection	Medium	Encompasses former 7-Eleven gas station (Low risk site); however, previously unknown contamination may be encountered during pond construction

9.2 Level II Impact to Construction Assessment (ICA) Recommendations

Final design plans should be reviewed to evaluate the potential project impacts and the need for Level II Impact to Construction Assessments (ICAs) associated with the High and Medium Risk sites.

9.3 CSER Update

This CSER should be updated if right of way acquisition or construction will occur more than **one year** from the date of this report to determine if additional assessment is warranted due to significant changes in site conditions or project design.

10.0 LIMITATIONS

The findings, opinions, conclusions and recommendations presented herein are based in part on reasonably ascertainable information contained in the public record. GEC does not warrant or guarantee the accuracy or completeness of this information. Some of this public record information may be dated and not representative of conditions at the time of this report was prepared (October 2020 through February 2021), or in the future. Additional limitations are as follows:

- Not discussed in this report are properties that have been historically undeveloped land, are associated with residential use and do not appear to pose a contamination risk, or are professional/commercial establishments that are not associated with hazardous materials or petroleum products.
- This study also does not include surveys of wetlands, endangered species, asbestos containing materials, lead-based paints, or other potential hazardous building materials.

11.0 USE OF THIS REPORT

GEC has prepared this report for the exclusive use of our client, Dewberry Engineers, Inc. (Dewberry) and Osceola County, and for application to our client's project. GEC will not be held responsible for any other party's interpretation or use of this report's data or recommendations without our written authorization.

GEC has performed the services described in this report in a manner consistent with that level of care and skill ordinarily exercised by members of our profession currently practicing in Central Florida. No other representation is made or implied in this document.

The conclusions and recommendations should be disregarded if the final project design differs from the project description in this report. If such changes are contemplated, GEC should be retained to review the new plans to assess the applicability of this report in light of proposed changes.

FIGURES

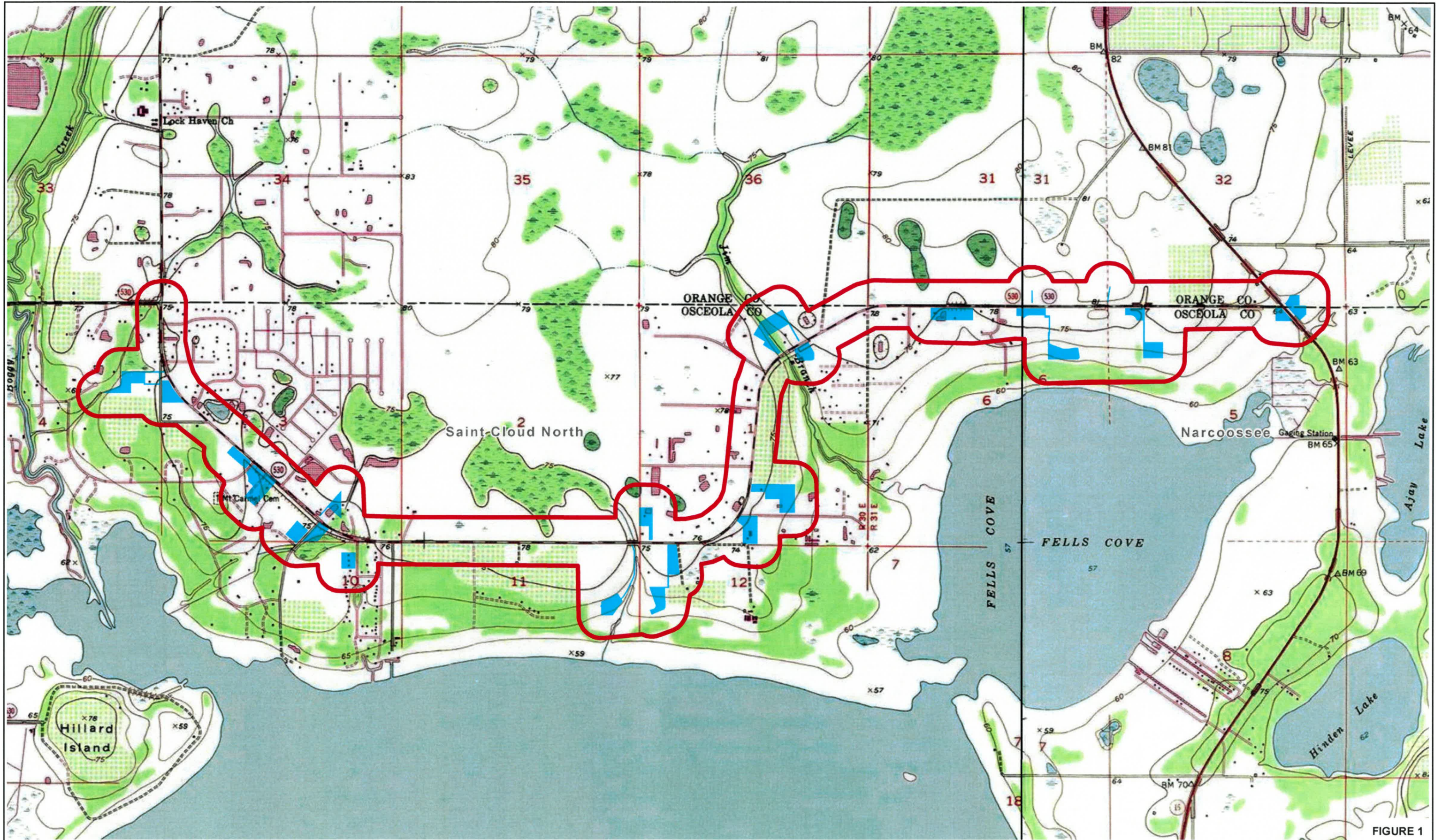
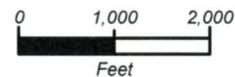


FIGURE 1

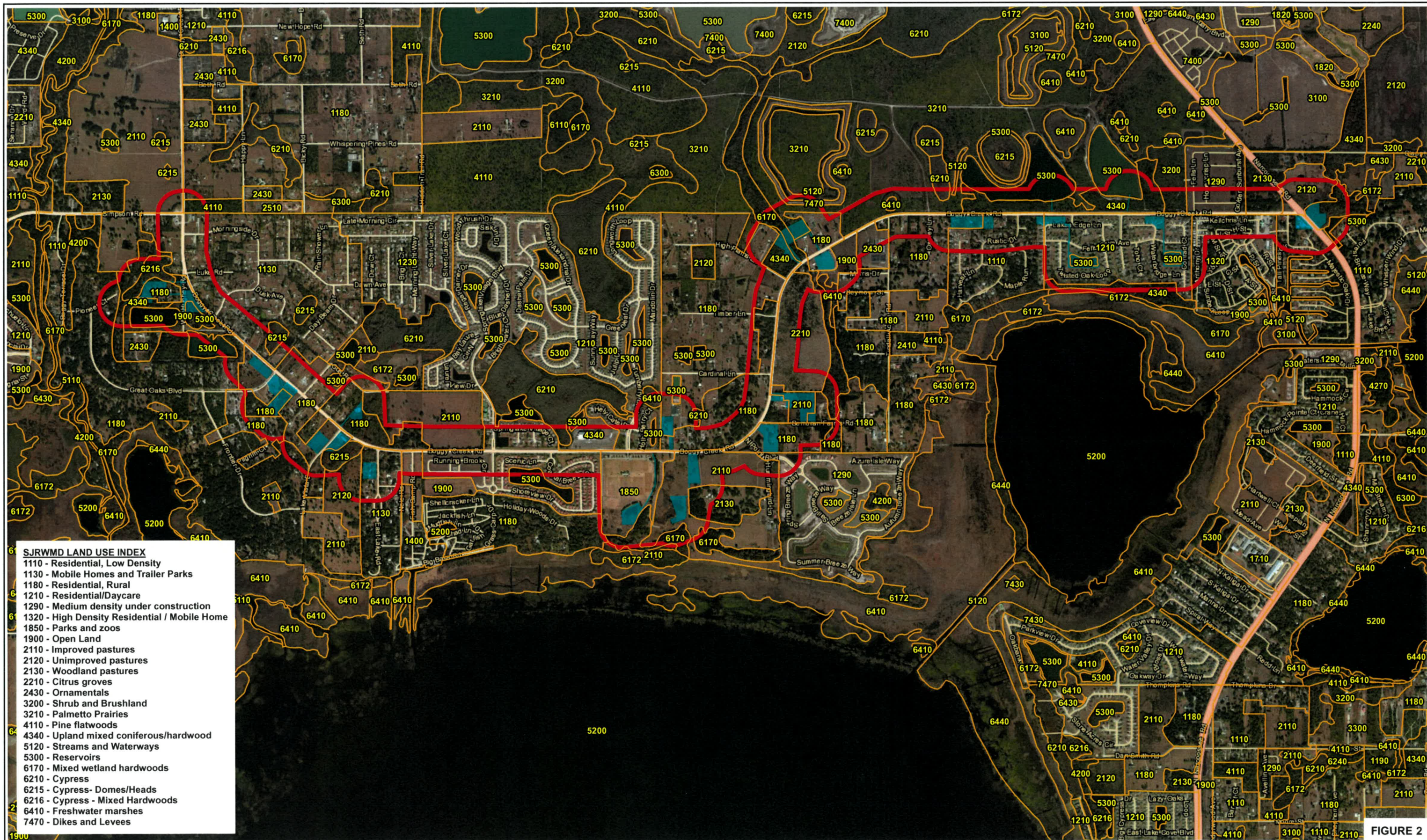


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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	PROJECT ID
XXXX	ORANGE OSCEOLA	PS-20-11479-DG

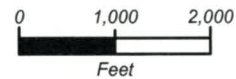
USGS QUADRANGLE MAP

SHEET
NO.



- SJRWMD LAND USE INDEX**
- 1110 - Residential, Low Density
 - 1130 - Mobile Homes and Trailer Parks
 - 1180 - Residential, Rural
 - 1210 - Residential/Daycare
 - 1290 - Medium density under construction
 - 1320 - High Density Residential / Mobile Home
 - 1850 - Parks and zoos
 - 1900 - Open Land
 - 2110 - Improved pastures
 - 2120 - Unimproved pastures
 - 2130 - Woodland pastures
 - 2210 - Citrus groves
 - 2430 - Ornamentals
 - 3200 - Shrub and Brushland
 - 3210 - Palmetto Prairies
 - 4110 - Pine flatwoods
 - 4340 - Upland mixed coniferous/hardwood
 - 5120 - Streams and Waterways
 - 5300 - Reservoirs
 - 6170 - Mixed wetland hardwoods
 - 6210 - Cypress
 - 6215 - Cypress- Domes/Heads
 - 6216 - Cypress - Mixed Hardwoods
 - 6410 - Freshwater marshes
 - 7470 - Dikes and Levees

FIGURE 2



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ROAD NO.	COUNTY	PROJECT ID
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SJRWMD LAND USE MAP

SHEET NO.

NRCS Soil Survey of Orange County, FL

Orange County Map Unit Legend

- 2 - Adamsville variant fine sand, 0 to 5 percent slopes
- 3 - Anoka fine sand
- 19 - Hontoon Muck, frequently ponded, 0 to 1 percent slopes
- 26 - Ona fine sand, 0 to 2 percent slopes
- 34 - Pomello fine sand, 0 to 5 percent slopes
- 37 - Pompano fine sand, frequently ponded, 0 to 1 percent slopes
- 40 - Samsula muck, frequently ponded, 0 to 1 percent slopes
- 42 - Smyrna fine sand, 0 to 2 percent slopes
- 54 - Zolfo fine sand, 0 to 2 percent slopes

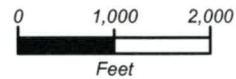
NRCS Soil Survey of Osceola County, FL

Osceola County Map Unit Legend

- 1 - Adamsville sand, 0 to 2 percent slopes
- 4 - Arents, 0 to 5 percent slopes
- 5 - Basinger fine sand, 0 to 2 percent slopes
- 6 - Basinger fine sand, depressional, 0 to 1 percent slopes
- 9 - Cassia fine sand, 0 to 2 percent slopes
- 10 - Delray loamy fine sand, depressional
- 16 - Immokalee fine sand, 0 to 2 percent slopes
- 22 - Myakka fine sand, 0 to 2 percent slopes
- 24 - Narcoossee fine sand, 0 to 2 percent slopes
- 27 - Ona fine sand, 0 to 2 percent slopes
- 31 - Pits
- 32 - Placid fine sand, frequently ponded, 0 to 1 percent slopes
- 33 - Placid variant fine sand
- 43 - St. Lucie fine sand, 0 to 5 percent slopes
- 44 - Tavares fine sand, 0 to 5 percent slopes
- 99 - Water



FIGURE 3



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NRCS SOIL SURVEY MAP

SHEET NO.

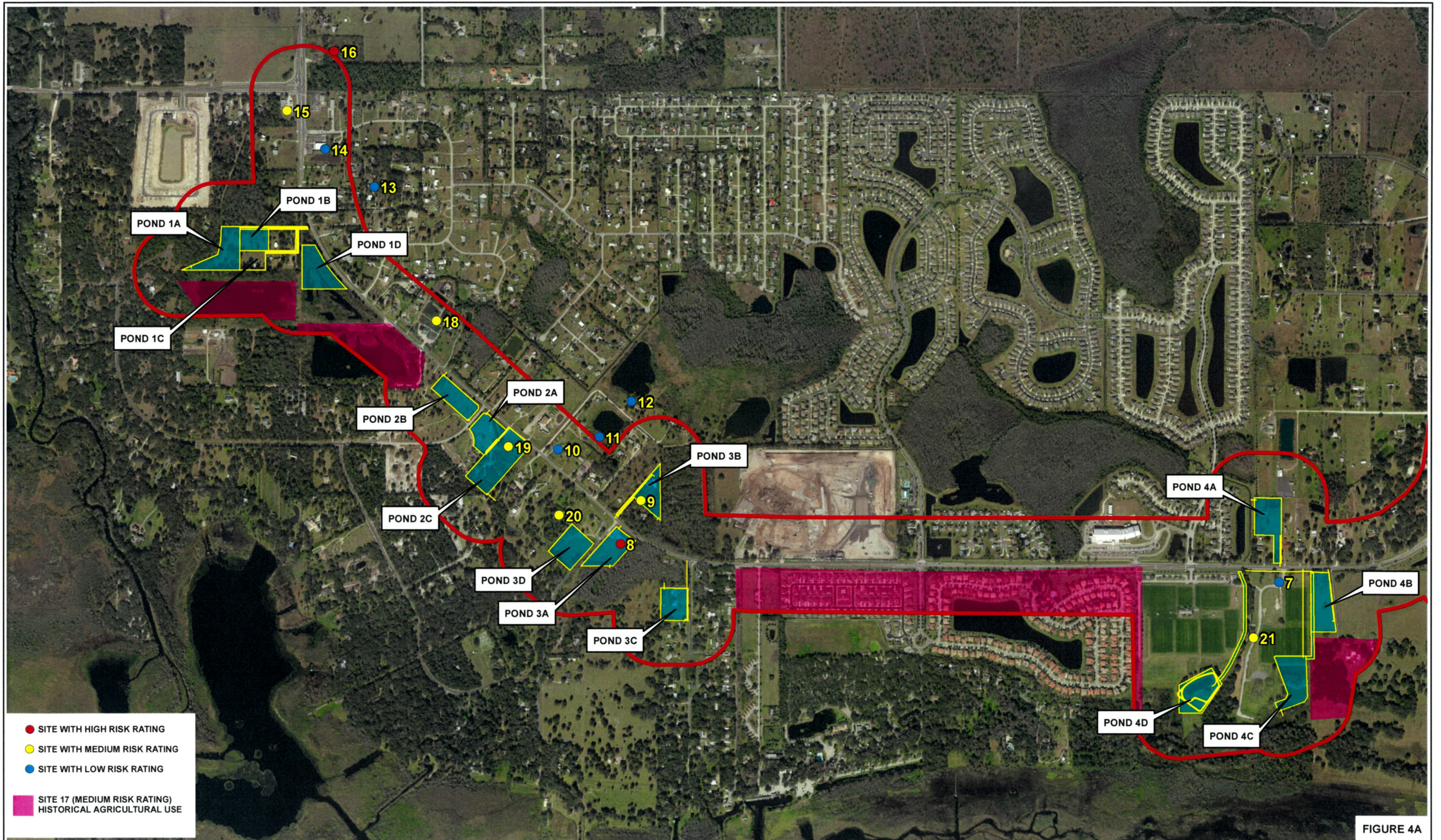
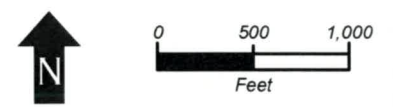


FIGURE 4A

- SITE WITH HIGH RISK RATING
- SITE WITH MEDIUM RISK RATING
- SITE WITH LOW RISK RATING
- SITE 17 (MEDIUM RISK RATING)
HISTORICAL AGRICULTURAL USE



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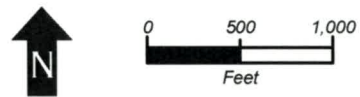
**POTENTIAL CONTAMINATION
SITE LOCATION MAP**

SHEET
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- SITE WITH HIGH RISK RATING
- SITE WITH MEDIUM RISK RATING
- SITE WITH LOW RISK RATING
- SITE 17 (MEDIUM RISK RATING)
HISTORICAL AGRICULTURAL USE

FIGURE 4B



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**POTENTIAL CONTAMINATION
SITE LOCATION MAP**

SHEET
NO.

TABLES

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

No:	1		Risk Potential:	MEDIUM	
Site Name	7-Eleven Food Store #32659				
Site Address	3290 North Narcoossee Road				
Site Location	Southwest Corner of the Narcoossee Road and Boggy Creek Road Intersection				
Distance/Direction	Adjacent to the south of Boggy Creek Road				
Facility ID Nos:	9800841				
Database Sources:	UST				
Historical Land Use	Gas station and convenience store				
Current Land Use	Vacant and Unused				
Contaminants	Petroleum Products				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
1	U	15000	Unleaded Gasoline	8/1/1998	8/11/2020
1	U	10000	Unleaded Gasoline	8/1/1998	8/11/2020
1	U	10000	Vehicular Diesel	8/1/1998	8/11/2020
Discharge Date:	N/A		Cleanup Date:	N/A	
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: Several Incident Notification Forms were submitted to FDEP in 2001 through 2005, after system alarms were triggered. Contractor evaluations determined that no releases or discharges had occurred, and the incident files were closed.

The overspill buckets were replaced in 2007. Pea gravel surrounding the buckets was excavated and stockpiled at the site for volatilization, and backfilled after completion of the work. Soil and groundwater analytical results did not indicate the presence of contamination above Cleanup Target Levels.

The USTs and fueling system were removed from the facility in August 2020. Soil and groundwater samples obtained for laboratory analysis indicated no evidence of contamination during UST removal. There are no reported petroleum discharges at the facility, which was constructed in 1998.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site is developed with a vacant convenience store building on the southwest corner and a small stormwater retention pond adjacent to Narcoossee Road. The remainder of the site is paved. The dispenser islands, canopy, and USTs have been removed. No monitoring well manhole covers were observed.

CONCLUSIONS: Based on the historical gas station use of this location and this location being proposed for use as a stormwater pond, this site has been assigned a Contamination Risk Rating (CRR) of **MEDIUM**.



View of the facility from the northwest corner facing southeast toward the vacant convenience store and former dispenser islands and USTs.

Site No:	2		Risk Potential:	LOW	
Site Name	Wawa Food Mart #5187				
Site Address	14876 Narcoossee Road				
Site Location	Northwest Corner of the Narcoossee Road and Boggy Creek Road Intersection				
Distance/Direction	Adjacent to the north of Boggy Creek Road				
Facility ID Nos:	9814935, FLR000218149				
Database Sources:	UST, RCRA VSQG				
Historical Land Use	Vacant and undeveloped				
Current Land Use	Gas station and convenience store				
Contaminants	Petroleum Products				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
1	U	22000	Ultra Low Sulphur Diesel	2/4/2016	In Use
1	U	20000	Unleaded Gasoline	2/4/2016	In Use
1	U	22000	Unleaded Gasoline	2/4/2016	In Use
Discharge Date:	N/A		Cleanup Date:	N/A	
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: The facility was constructed on previously undeveloped land in 2016. No discharges, spills, or other releases have been reported at the facility.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site is developed with a large gas station and convenience store. The fuel tanks are located on the east side of the site. No monitoring well manhole covers were observed.

CONCLUSIONS: Based on the lack of reported contamination at the facility, the Wawa Food Mart facility has been assigned a CRR of **LOW**.



View across the facility from the southeast corner facing northwest, towards the dispensers and convenience store.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	3		Risk Potential:	MEDIUM		
Site Name	Boggy Creek Food & Gas					
Site Address	5160 Boggy Creek Road					
Site Location	South of Boggy Creek Road					
Distance/Direction	Adjacent to the south of Boggy Creek Road, approximately 650 feet west of Narcoossee Road					
Facility ID Nos:	8735337					
Database Sources:	UST, LUST, DWM Contam, SPILLS					
Historical Land Use	Gas station and convenience store					
Current Land Use	Vacant commercial property					
Contaminants	Petroleum Products					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
2	U	6000	Unleaded Gasoline	6/1/1978	2003	
1	U	6000	Vehicular Diesel	6/1/1978	2003	
2	U	6000	Unleaded Gasoline	1/1/2004	2016	
1	U	6000	Vehicular Diesel	1/1/2004	2016	
Discharge Date:	08/03/1995 09/17/2001		Cleanup Date:	On-Going		
	Soil			Groundwater		
Documented/ Known Impacts:	Yes			Yes		

PUBLIC RECORDS: The facility was constructed in 1978, and maintained three 6,000-gallon USTs through 2003. Records indicate that petroleum-impacted soils were removed in 2003, though totals were not specified. Three new 6,000-gallon USTs were installed in 2003, and removed in 2016. As allowed by FDEP, no closure assessment was conducted, due to the previously reported discharge. The most recent soil and groundwater assessment data, from October 2019, indicates the bulk of soil contamination is located to the south-southwest of the former dispensers, approximately 150 feet south of Boggy Creek Road. The groundwater plume extends from the former dispensers and to the southeast, away from the roadway. Contaminant concentrations above applicable cleanup target levels in both soil and groundwater are present. Active remediation in the form of biosparge or air sparge and vapor extraction is proposed for the contamination, but the system has not yet been installed, based on the site observations.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site was developed with a vacant commercial building. The location of the former USTs was covered with steel plates. Piles of soil and gravel were located north of the building. A faint to moderate fuel odor was observed in the vicinity of the piles, though it was unclear whether the odor was emanating from the former excavation or the piles of soil.

CONCLUSIONS: Although the soil and groundwater contamination has been delineated and is approximately 150 feet or more from the roadway and extending away from Boggy Creek Road, remediation has not yet begun at the facility. Therefore, the former Boggy Creek Food & Gas facility has been assigned a CRR of **MEDIUM**.



View of the former commercial building and stockpiled soils, facing southeast from the northern portion of the site. Piles of soil and gravel were observed on the north end of the site.

Site No:	4		Risk Potential:	LOW		
Site Name	Floridian RV Resort WWTF					
Site Address	5150 Boggy Creek Road					
Site Location	South of Boggy Creek Road					
Distance/Direction	Adjacent to the south of Boggy Creek Road, approximately 750 feet west of Narcoossee Road					
Facility ID Nos:	103985, FLR000129056, OHMIT_7740					
Database Sources:	ERNS, RCRA Non-Gen, SPILLS					
Historical Land Use	Vacant and undeveloped					
Current Land Use	Mobile home and RV park					
Contaminants	Hazardous Materials and Petroleum Products					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A		Cleanup Date:	N/A		
	Soil			Groundwater		
Documented/ Known Impacts:	No			No		

PUBLIC RECORDS: A spill of approximately 1,000-pounds of chlorine was reported in 2000. Based on the age of the spill, limited records are available. Presumably the spill occurred at or near the facility's pool, which is located approximately 275 feet south of Boggy Creek Road. Inspection records from 2009 indicate a spill of used oil was reported to FDEP. The spill was cleaned up, and an appropriate location for residents to drop off used oil products was established. A second inspection in 2019 indicated residents were putting used oil in improperly stored containers, and that the facility should take the used products to a disposal location and not store the containers outside. No contamination impacts were documented on-site.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The northern portion of the RV park was a publicly accessible parking lot. The southern portion was behind a gate. The office is located in a building on the northern portion of the site; no obvious indicators of contamination was observed on the publicly accessible portions of the property.

CONCLUSIONS: Based on the lack of reported contamination at the facility within the study area boundaries, the Floridian RV Resort facility has been assigned a CRR of **LOW**.



View of the office building at the north end of the property, facing southwest.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	5		Risk Potential:	LOW	
Site Name	Unnamed Nursery				
Site Address	4480 Boggy Creek Road				
Site Location	South of Boggy Creek Road and West of Tindall Acres Road				
Distance/Direction	Adjacent to the south of Boggy Creek Road				
Facility ID Nos:	N/A				
Database Sources:	Aerial Photographs, City Directories				
Historical Land Use	Vacant land, plant nursery with greenhouses				
Current Land Use	Renaissance Charter School				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A		Cleanup Date:	N/A	
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: The facility was previously unoccupied, vacant land from prior to 1944 through at least 1984. From 1990 through 1999, rows of plants and at least two trailers are visible on the west side of the property. From 2007 through present, the property appeared as vacant, grassy land. Additionally, from 1990 through 2007, several rows of greenhouses are visible on the east side of the property. In 2013, the structures appear to have been removed, but the footprints of the former buildings remain. In 2019, the property is developed with the current charter school campus.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site is currently developed with a charter school campus. No evidence of the former nursery facility was visible from publicly accessible areas.

CONCLUSIONS: Based on the redevelopment of the former facility into a "sensitive receptor" type facility (a school campus) with no reported contamination and no ponds being proposed at this location, this facility has been assigned a CRR of **LOW**.



1994 aerial photograph from Google Earth depicting the nursery areas, south of Boggy Creek Road, within the Study Area.

Site No:	6		Risk Potential:	LOW	
Site Name	High Plains Debris Management Site				
Site Address	4369 Boggy Creek Road				
Site Location	Southwest Corner of the High Plains Lane and Boggy Creek Road Intersection				
Distance/Direction	Adjacent to the west of Boggy Creek Road				
Facility ID Nos:	104869				
Database Sources:	SWF/LF				
Historical Land Use	Rural single family residence				
Current Land Use	Vacant residential property				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A		Cleanup Date:	N/A	
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: This facility is an authorized disaster debris staging area. It appears the facility received storm debris during the 2017 hurricane season. A March 2018 inspection showed all debris had been removed from the site and there was "no evidence of a pollutant discharge." The facility is no longer authorized to accept waste materials.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site was covered with tall grass and surrounded by a barbed wire fence. No obvious indications of contamination were observed from the exterior of the property.

CONCLUSIONS: Based on the temporary, as-needed basis of this facility and no reported contamination, this facility has been assigned a CRR of **LOW**.



View across the former facility from High Plains Lane, facing south.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	7	Risk Potential:	LOW		
Site Name	Austin Tindall Debris Management Site				
Site Address	4100 Boggy Creek Road				
Site Location	South of Boggy Creek Road				
Distance/Direction	Adjacent to the south of Boggy Creek Road, across from Turnberry Boulevard				
Facility ID Nos:	98038				
Database Sources:	SWF/LF				
Historical Land Use	Vacant and undeveloped				
Current Land Use	County recreational park with ball fields				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: In 2012, the County park was authorized to be a disaster debris staging area in the event of a hurricane or other natural disaster. The permit is only valid in the event the facility is needed. Otherwise, no debris or waste materials are permitted at the facility.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The park is developed with several ball fields and recreational areas. No debris or evidence of contamination was observed.

CONCLUSIONS: Based on the temporary, as-needed basis of this facility and no reported contamination, this facility has been assigned a CRR of **LOW**.



View facing south across one of the facility's numerous soccer/recreational fields.

Site No:	8	Risk Potential:	HIGH		
Site Name	Florida Sterling Investments / Kelly Property				
Site Address	3600 Boggy Creek Road				
Site Location	Southeast Corner of the Lake Vista Drive and Boggy Creek Road Intersection				
Distance/Direction	Adjacent to the south of Boggy Creek Road				
Facility ID Nos:	97757				
Database Sources:	RGA LF, SWF/LF				
Historical Land Use	Vacant land, auto salvage yard				
Current Land Use	Vacant warehouse and vacant land				
Contaminants	Hazardous Materials and Petroleum Products				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: Based on review of available aerial photographs, the southern portion of the property, outside of the Study Area, was occupied by an automotive salvage lot in the 1960s, which expanded northward into the Study Area, near Boggy Creek Road, by 1974. The vehicles were removed by 2007, and the current warehouse building was constructed. Several solid waste inspections have taken place at the facility by FDEP, ranging from 2009 through 2016. The inspections found that waste tires were being illegally stored at the property without proper authorization or permitting. No discharges, spills, or releases were noted in the FDEP inspection records. The tires, rims, and other waste materials were removed by August 2017. The property has remained vacant since then.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The northern portion of the property is developed with a vacant warehouse building. A small paved parking lot is located adjacent to the warehouse. The remainder of the property is fenced and inaccessible, but is either grassed or wooded. Several empty roll-off dumpsters were observed in overgrown areas of the site, outside of the 500' Study Area.

CONCLUSIONS: Based on the former auto salvage yard and the proposed pond site at this facility, the Florida Sterling Investments facility has been assigned a CRR of **HIGH**.



View of the vacant warehouse and paved parking area on the northern side of the property.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	9		Risk Potential:	MEDIUM		
Site Name	Boggy Creek Bromeliads					
Site Address	3615 Boggy Creek Road					
Site Location	North of Boggy Creek Road, Across From Lake Vista Drive					
Distance/Direction	Adjacent to the north of Boggy Creek Road					
Facility ID Nos:	N/A					
Database Sources:	Aerial Photographs, City Directories					
Historical Land Use	Vacant land, small plant nursery					
Current Land Use	Vacant residential property					
Contaminants	Hazardous Materials					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A		Cleanup Date:	N/A		
	Soil			Groundwater		
Documented/ Known Impacts:	No			No		

PUBLIC RECORDS: This facility was undeveloped, vacant land through the 1940s. In 1951, a rectangular excavation is visible on the southern side of the property. The rest of the property remained undeveloped through 1984, when a residence is visible south of the excavation. From 1990 through 2007, greenhouses are visible to the north of the excavation. The 1992 City Directory listing for the facility address lists Boggy Creek Bromeliads as the occupant. No additional listings were included in the City Directory report. From 2013 through the present, the greenhouses appear to have been abandoned and are in disrepair.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site was covered with tall grass and surrounded by a barbed wire fence. No obvious indications of contamination were observed from the exterior of the property.

CONCLUSIONS: Based on the former plant nursery site usage and the proposed pond site use of this location, the former nursery facility has been assigned a CRR of **MEDIUM**.



1994 aerial photograph from Google Earth depicting the former greenhouses, residence, and excavation pit.

Site No:	10		Risk Potential:	LOW		
Site Name	Auto Repair					
Site Address	3491 Boggy Creek Road					
Site Location	Northeast Corner of the Gus Road and Boggy Creek Road Intersection					
Distance/Direction	Adjacent to the northeast of Boggy Creek Road					
Facility ID Nos:	N/A					
Database Sources:	Aerial Photographs, City Directories					
Historical Land Use	Residential with an auto repair garage					
Current Land Use	Single family residence					
Contaminants	Hazardous Materials and Petroleum Products					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A		Cleanup Date:	N/A		
	Soil			Groundwater		
Documented/ Known Impacts:	No			No		

PUBLIC RECORDS: The City Directories list the address as having been occupied by an automotive repair facility in 1992. The listing is not included under any additional years provided. Review of aerial photographs indicate the property has historically been developed residentially, though a shed/garage is visible to the rear of the residence in 1990. It does not appear the facility was registered as a waste generator, and thus no inspections have taken place.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: A mobile home residence is located on the southwest side of the site. A garage/repair shop is located behind the residence. Several vehicles and pickup trucks were observed in and out of the garage, which appeared to be used for mechanical repair. No signage or indication of the facility operating as a business were observed at the site. No obvious signs of contamination were observed from publicly accessible areas adjacent to the property.

CONCLUSIONS: Based on the lack of reported contamination at the facility, the unnamed auto repair facility has been assigned a CRR of **LOW**.



View of the garage/shop located behind the residence, facing southeast from Gus Road.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	11	Risk Potential:	LOW		
Site Name	T&W Enterprises / Williams Pit				
Site Address	3485 Boggy Creek Road				
Site Location	Northeast of Boggy Creek Road				
Distance/Direction	Approximately 400 feet northeast of Boggy Creek Road				
Facility ID Nos:	92570, FLR000063867				
Database Sources:	SWF/LF, RCRA Non-Gen				
Historical Land Use	Residential with landfill / debris disposal				
Current Land Use	Single family residence with excavated pond				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	Yes		No		

PUBLIC RECORDS: An excavated area was first observed in the 1983 aerial. The facility was reportedly a borrow pit for sand, and was partially backfilled over the years by the owner of the property, with concrete rubble and other demolition materials. FDEP performed several inspections in the early 1990s, and instructed the owner to remove the imported materials. Inspection photographs depict lumber floating in the lake, and trash strewn across the property, including crushed paint cans and quart-sized oil containers.

A 1999 inspection noted used oil had been dumped along the southern property line, and significant staining, dead vegetation, and strong petroleum odors were observed. A March 2000 follow-up letter indicated the owner was beginning to clean up the illegal materials and stained soils observed at the facility. The facility was closed during a 2010 inspection. No additional records were available regarding this facility.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: A residence and detached garage/workshop were observed from Gus Road to the northwest of the site. The remainder of the property was grassed, surrounding the former excavation/pond area. No evidence of current dumping or landfilling was observed from publicly accessible areas adjacent to the site.

CONCLUSIONS: The areas of stained soil and apparent contamination is located approximately 400 feet from Boggy Creek Road, on the south-southwest side of the garage. The excavated area is/was approximately 550 feet from the alignment. Based on the distance of the contamination from the alignment and the amount of time since contamination was reported, the former Williams Pit facility has been assigned a CRR of **LOW**. If the property is ever considered for a pond site or other land use, the CRR would increase to **HIGH**.



View of the residence and the southern portion of the excavated pond from Gus Road, facing southeast.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	12	Risk Potential:	LOW
Site Name	Jackson Landfill		
Site Address	3050 Gus Road		
Site Location	Northeast of Boggy Creek Road		
Distance/Direction	Approximately 1,000 feet northeast of Boggy Creek Road, beyond Gus Road		
Facility ID Nos:	92572		
Database Sources:	SWF/LF		
Historical Land Use	Vacant land, residential with excavated pond and landfill		
Current Land Use	Single family residence with excavated pond		
Contaminants	Hazardous Materials		
TANKS	U/A	Capacity (gal)	Content
N/A			
Discharge Date:	N/A	Cleanup Date:	N/A
	Soil		Groundwater
Documented/ Known Impacts:	No		No

PUBLIC RECORDS: No public records were found relative to the former Jackson Landfill facility. Aerial photographs indicate excavation began at the site in the early 1980s, and spoils piles are visible on the southeast side of the pond. By 1990, much of the excavated area had been backfilled, but another excavation, farther to the east, was visible. A large area of soil mounds/fill is visible in 2019.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The portion of the facility adjacent to Gus Road and, therefore publicly accessible, consisted of tall grasses, shrubs, and trees. The interior of the property was not visible. A single family residence was observed on the southern portion of the property. No evidence of current dumping or landfilling was observed from Gus Road, adjacent to the site.

CONCLUSIONS: Based on the distance from Boggy Creek Road and the lack of reported contamination at the facility, the former Jackson Landfill facility has been assigned a CRR of **LOW**. If the property is ever considered for a pond site or other land use, the CRR would increase to **HIGH**.



View across the former Jackson Landfill facing northeast from Gus Road.

Site No:	13	Risk Potential:	LOW
Site Name	Unnamed Landfill		
Site Address	Luke Road		
Site Location	East of Boggy Creek Road		
Distance/Direction	Approximately 650 feet east of Boggy Creek Road, north of Luke Road		
Facility ID Nos:	N/A		
Database Sources:	Aerial Photographs		
Historical Land Use	Residential with landfill / debris disposal		
Current Land Use	Several residential parcels		
Contaminants	Hazardous Materials		
TANKS	U/A	Capacity (gal)	Content
N/A			
Discharge Date:	N/A	Cleanup Date:	N/A
	Soil		Groundwater
Documented/ Known Impacts:	No		No

PUBLIC RECORDS: An approximate 10-acre area was cleared in the 1960s. In the 1970s, large piles of debris and disturbed soils were visible across the northwest portion of the property. The site has since been divided into numerous residential parcels, and no evidence of the former landfilling activities are evident.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The former landfill area was subdivided into nine residential parcels. Development on these parcels was observed to include mobile homes, sheds, and other small detached structures. No evidence of current landfilling was observed from Luke Road, adjacent to the residences.

CONCLUSIONS: Based on the lack of reported contamination at the facility and its location outside of the Study Area boundaries, the unnamed former landfill facility has been assigned a CRR of **LOW**.



View of a driveway going into the center of the former unnamed landfill facility, facing north from Luke Road.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	14	Risk Potential:	LOW			
Site Name	Showcase MH Sales, Inc.					
Site Address	3300 Morningside Drive					
Site Location	Southeast Corner of the Morningside Drive and Boggy Creek Road Intersection					
Distance/Direction	Adjacent to the east of Boggy Creek Road					
Facility ID Nos:	SQG_78065					
Database Sources:	RCRA SQG					
Historical Land Use	Vacant, then commercial/sales property					
Current Land Use	Family Dollar retail store					
Contaminants	Hazardous Materials					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A	Cleanup Date:	N/A			
	Soil		Groundwater			
Documented/ Known Impacts:	No		No			

PUBLIC RECORDS: Aerial photographs indicate this property was vacant, undeveloped land through approximately 1994, when a mobile home or trailer is visible on-site. A registration record indicates the facility did not generate hazardous wastes, was a mobile home sales office and rented U-Haul trailers. By 2018 the property had been vacated and the current Family Dollar store was constructed.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The property is currently developed with a Family Dollar retail store. Asphalt paved parking is located to the west and north of the store. No evidence of contamination was observed from publicly accessible areas of the site.

CONCLUSIONS: Based on the lack of reported contamination at the facility, the former facility has been assigned a CRR of **LOW**.



View of the Family Dollar retail store from the northwest corner of the property, facing southeast.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	15	Risk Potential:	MEDIUM		
Site Name	Circle K #7466				
Site Address	3280 Boggy Creek Road				
Site Location	Southwest Corner of the Simpson Road and Boggy Creek Road Intersection				
Distance/Direction	Adjacent to the west of Boggy Creek Road				
Facility ID Nos:	8731776, FLD984254300				
Database Sources:	UST, LUST, RCRA Non-Gen, Cleanup, DWM Contam, EDR Hist Auto, RGA LUST				
Historical Land Use	Vacant and undeveloped				
Current Land Use	Gas station and convenience store				
Contaminants	Petroleum Products				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
3	U	10000	Unleaded Gasoline	3/1/1985	In Use
1	U	10000	Vehicular Diesel	3/1/1985	In Use
Discharge Date:	11/23/1988	Cleanup Date:	On-Going		
	Soil		Groundwater		
Documented/ Known Impacts:	Yes		Yes		

PUBLIC RECORDS: A discharge was reported at the facility in 1988. A 1995 Contamination Assessment Report concluded soil and groundwater contamination above applicable Cleanup Target Levels (CTLs) was present at the facility, and recommended a Remedial Action Plan be prepared. Additional groundwater sampling in 2008 reported that contamination remained above target levels at the facility, and that groundwater flow was westwards, toward a drainage ditch, away from Boggy Creek Road.

Active remediation in the form of an air sparge/soil vapor extraction (AS/SVE) system was conducted in 2014-2015. Post-Active Remediation Monitoring (PARM) was conducted from 2016-2018. After seven quarters of monitoring groundwater quality, contamination remained above CTLs, and additional treatment was recommended. Chemical injection events have taken place at the facility, though post-injection sampling results are not readily available. The most recent groundwater results, from January 2020, indicate benzene and naphthalene remain at the facility above CTLs.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The facility consists of a convenience store and gas station. A diesel dispenser island and canopy is located on the northern-central portion of the site. Gasoline dispenser islands are located to the south of the diesel dispenser island. Monitoring well manhole covers were observed across the parking lot and grassed areas. A fenced area, which previously held a remediation system, was observed to the south of the convenience store building.

CONCLUSIONS: While the groundwater plume at the facility has been delineated to the north, east, and south, contamination remains at the facility above target levels, and has migrated off-site to the west, towards a drainage ditch. Based on the proximity to the Study Area, the Circle K facility has been assigned a CRR of **MEDIUM**.



View of the gasoline dispenser island (yellow canopy), convenience store (far left), UST field (center), and diesel dispenser islands (red canopy) from the southeast corner of the site, facing northwest.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	16	Risk Potential:	HIGH
Site Name	Former Auto Salvage Lot		
Site Address	14857 Boggy Creek Road		
Site Location	East of Boggy Creek Road		
Distance/Direction	Adjacent to the east of Boggy Creek Road, approximately 300 feet north of Simpson Road		
Facility ID Nos:	N/A		
Database Sources:	Aerial Photographs		
Historical Land Use	Residential with auto salvage		
Current Land Use	Single family residence		
Contaminants	Hazardous Materials and Petroleum Products		
TANKS	U/A	Capacity (gal)	Content
N/A			
Discharge Date:	N/A	Cleanup Date:	N/A
	Soil		Groundwater
Documented/ Known Impacts:	No		No

PUBLIC RECORDS: Aerial photographs indicate this property was vacant, undeveloped land prior to the construction of a residence in the 1960s. Between 1999 and 2007, it appears the east portion of the property was used as an auto salvage yard. No permits or other documentation indicating it having been an authorized facility were able to be located. The 2013 aerial photograph shows the facility as having been cleared of most vehicles, though remnants of boats, trailers, and cars remained.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The property is developed with a single family residence. No evidence of the former salvage lot was observed from the driveway, or from Boggy Creek Road.

CONCLUSIONS: Based on the apparent unpermitted nature of the former facility, along with the proximity to the Study Area, the former salvage yard facility has been assigned a CRR of **HIGH**.



View of the residence and grassed area behind the residence, from Boggy Creek Road, facing southeast.

Site No:	17	Risk Potential:	MEDIUM
Site Name	Historical Agricultural Use (Citrus Groves)		
Site Address	Study Area (Pink Shaded Areas)		
Site Location	Study Area		
Distance/Direction	Generally South of Boggy Creek Road		
Facility ID Nos:	N/A		
Database Sources:	Aerial Photographs		
Historical Land Use	Undeveloped; Citrus Groves		
Current Land Use	Single family residential neighborhoods, vacant land		
Contaminants	Hazardous Materials and Petroleum Products		
TANKS	U/A	Capacity (gal)	Content
N/A			
Discharge Date:	N/A	Cleanup Date:	N/A
	Soil		Groundwater
Documented/ Known Impacts:	No		No

PUBLIC RECORDS: Aerial photographs indicate portions of the Study Area were previously developed with citrus groves from the 1940s through the early 2000s.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The former grove areas are developed with single-family residential neighborhoods, a County park, rural residences, and vacant land.

CONCLUSIONS: Due to the potential for residual agricultural contamination impacts along Boggy Creek Road and at the potential proposed stormwater pond and floodplain compensation areas, the agricultural land use has been assigned a CRR of **MEDIUM**.



Former citrus groves are shown shaded in pink, on the 2019 aerial photograph from Google Earth.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	18	Risk Potential:	MEDIUM		
Site Name	Uncle Jutty's Nursery				
Site Address	3415 Boggy Creek Road				
Site Location	North side of Boggy Creek Road				
Distance/Direction	Adjacent to Boggy Creek Road, 700 feet southeast of Morningside Drive				
Facility ID Nos:	N/A				
Database Sources:	Aerial Photographs				
Historical Land Use	Undeveloped				
Current Land Use	Plant nursery				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: The facility was previously unoccupied, vacant land from prior to 1944 through at least 1978. In 1984 the site was under construction, and in 1990 was occupied by a plant nursery. No significant changes to the property were observed in the subsequent aerial photographs.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The site is a plant nursery.

CONCLUSIONS: Due to the potential for agricultural contamination impacts at the site, the nursery facility has been assigned a CRR of **MEDIUM**.



1990 aerial photograph from Google Earth depicting the plant nursery facility.

Site No:	19	Risk Potential:	MEDIUM		
Site Name	Former Plant Nursery				
Site Address	3470 Boggy Creek Road				
Site Location	South side of Boggy Creek Road				
Distance/Direction	Adjacent to Boggy Creek Road, 300 feet southeast of Great Oaks Boulevard				
Facility ID Nos:	N/A				
Database Sources:	Aerial Photographs				
Historical Land Use	Undeveloped, plant nursery				
Current Land Use	Wooded residential property				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: The site was vacant grassy land from prior to 1944 through 1978; a drainage canal was first visible in 1959. The property was developed with a nursery from 1984 through 1994. From 2007 through present, a mobile home and several discarded vehicles are visible on the southwestern portion of the property.

INTERVIEW INFORMATION: n/a

SITE OBSERVATIONS: This site appears to be a heavily wooded residential lot. Access was not permitted due to a locked gate.

CONCLUSIONS: Due to the potential for agricultural contamination impacts at the site, the former nursery facility has been assigned a CRR of **MEDIUM**.



1984 aerial photograph from Google Earth depicting the former plant nursery facility.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

Site No:	20	Risk Potential:	MEDIUM		
Site Name	Former Plant Nursery				
Site Address	3530 Boggy Creek Road				
Site Location	Southern side of Boggy Creek Road				
Distance/Direction	Adjacent to Boggy Creek Road, 350 feet northwest of Lake Vista Drive				
Facility ID Nos:	N/A				
Database Sources:	Aerial Photographs				
Historical Land Use	Undeveloped, plant nursery				
Current Land Use	Overgrown, vacant land				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: The facility was previously unoccupied, vacant land from prior to 1944 through at least 1990. In 1994 the site was occupied by a plant nursery. In 1999, the facility appeared in disrepair and possibly abandoned. From 2007 through 2019, piles of imported soil are visible across the site, and the structure appears badly damaged.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: This site appears to be an overgrown lot. Access was not permitted due to a locked gate.

CONCLUSIONS: Due to the potential for agricultural contamination impacts at the site, and the unknown origin of the imported fill material currently located at the site, the former nursery facility has been assigned a CRR of **MEDIUM**.



1994 aerial photograph from Google Earth depicting the former plant nursery facility.

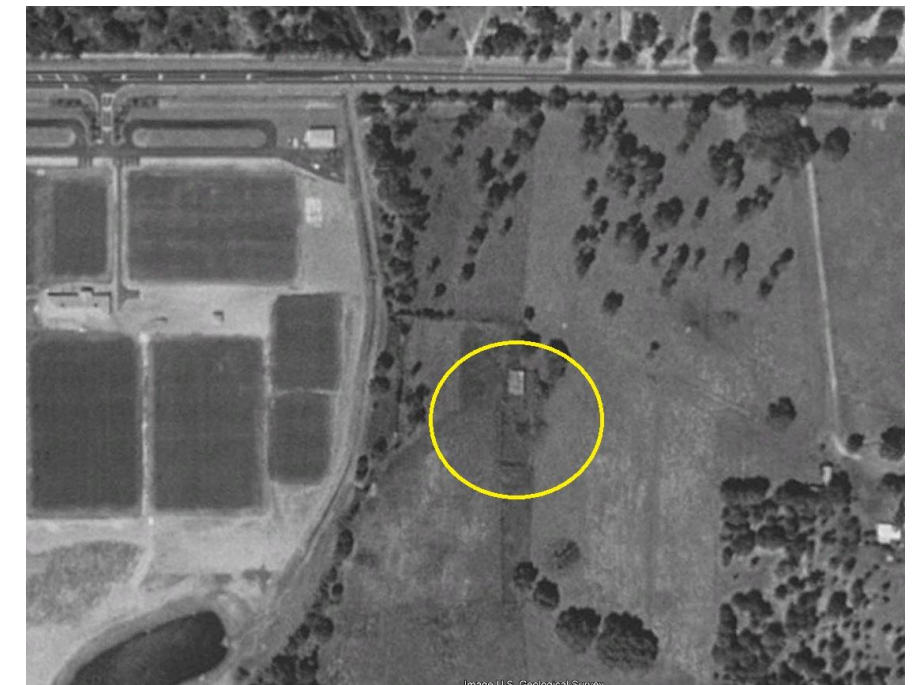
Site No:	21	Risk Potential:	MEDIUM		
Site Name	Historical Cattle Pen				
Site Address	Boggy Creek Road (Within Austin Tindall Park)				
Site Location	South side of Boggy Creek Road				
Distance/Direction	Adjacent to Boggy Creek Road, 375 feet west of the access road for Austin Tindall Park				
Facility ID Nos:	N/A				
Database Sources:	Aerial Photographs				
Historical Land Use	Undeveloped; cattle pasture				
Current Land Use	Recreational sports fields				
Contaminants	Hazardous Materials				
TANKS	U/A	Capacity (gal)	Content	Installed	Removed
N/A					
Discharge Date:	N/A	Cleanup Date:	N/A		
	Soil		Groundwater		
Documented/ Known Impacts:	No		No		

PUBLIC RECORDS: Aerial photographs indicate the area was vacant rangeland from prior to 1944 through the 1950s. In 1959, a large cattle pasture is visible, and in 1969 a small structure and a smaller pen are visible. The pen and shed were visible through 1994, and had been incorporated into the current Austin Tindall athletics complex by 2013. No cattle dipping vats were observed in aerial photographs reviewed.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: The former cattle pen is located within the sports fields at Austin Tindall Park.

CONCLUSIONS: Due to the potential for residual contamination impacts from treatment of cattle for pests, the former cattle pen area has been assigned a CRR of **MEDIUM**.



1994 aerial photograph depicting the former structure and cattle pen, previously adjacent to the Austin Tindall park.

Table 1
Potential Contamination Site Summary

GEC Project No. 4636E

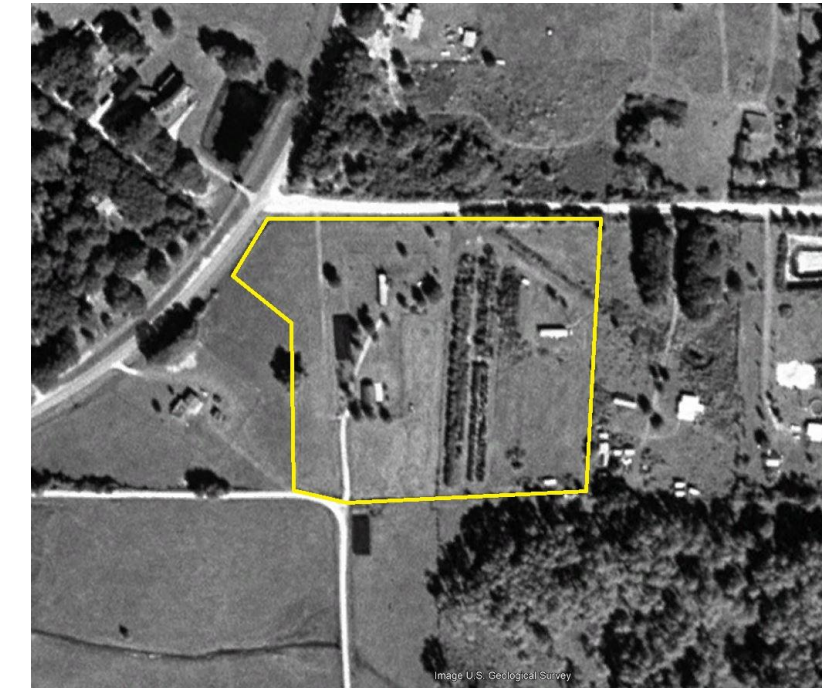
Site No:	22		Risk Potential:	MEDIUM		
Site Name	Former Plant Nursery					
Site Address	4324 Semoran Farms Road					
Site Location	South of Boggy Creek Road					
Distance/Direction	Adjacent to Boggy Creek Road, between Semoran Farms Road and North Pointe Boulevard					
Facility ID Nos:	N/A					
Database Sources:	Aerial Photographs					
Historical Land Use	Plant nursery, vacant land					
Current Land Use	Large tract single family residence					
Contaminants	Hazardous Materials and Petroleum Products					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A		Cleanup Date:	N/A		
	Soil			Groundwater		
Documented/ Known Impacts:	No			No		

PUBLIC RECORDS: The facility was previously unoccupied, vacant land from prior to 1944 through at least 1978. In 1984 the site appeared developed with a single-wide mobile home and at least three greenhouse structures. In 1999 several rows of trees are visible on the east portion of the site. The greenhouses on the southeastern portion of the property were demolished by 2013 when the current metal-roof building is visible.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: This site is rural residential property with mobile homes and grassy land.

CONCLUSIONS: Due to the potential for agricultural contamination impacts at the site, the former nursery facility has been assigned a CRR of **MEDIUM**.



1999 aerial photograph from Google Earth depicting the former plant nursery facility.

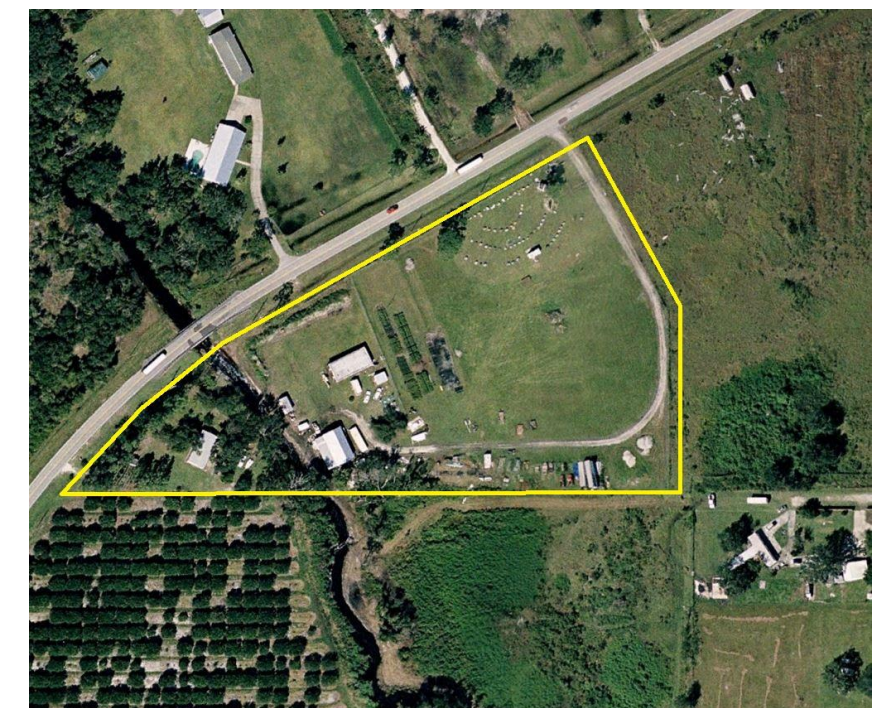
Site No:	23		Risk Potential:	MEDIUM		
Site Name	Former Nursery and Trailer Parking Site					
Site Address	4370 Boggy Creek Road					
Site Location	South of Boggy Creek Road					
Distance/Direction	Adjacent to Boggy Creek Road, 600 feet northeast of High Plains Lane					
Facility ID Nos:	N/A					
Database Sources:	Aerial Photographs					
Historical Land Use	Undeveloped, vacant land					
Current Land Use	Vehicle storage and parking, landscaping rock sales					
Contaminants	Hazardous Materials					
TANKS	U/A	Capacity (gal)	Content	Installed	Removed	
N/A						
Discharge Date:	N/A		Cleanup Date:	N/A		
	Soil			Groundwater		
Documented/ Known Impacts:	No			No		

PUBLIC RECORDS: The site was undeveloped, vacant land through at least 1974. In 1978, the property appeared cleared, and a barn was visible on the central portion of the site. In 1984, a second, larger barn is visible on the site. In 1999, the site appeared in use as a trailer and boat storage lot, and in 2007, a plant nursery is visible on the central portion of the site. The nursery appears to have ceased operations by 2013, while the western portion of the site remains generally unchanged.

INTERVIEW INFORMATION: N/A

SITE OBSERVATIONS: This site contains stone and fill dirt for sale, and has motor home parking along the southern site boundary.

CONCLUSIONS: Due to the potential for agricultural contamination impacts at the site and the history of trailer parking on the site, the former nursery facility has been assigned a CRR of **MEDIUM**.



2005 aerial photograph from Google Earth depicting the former plant nursery facility, with boat and trailer storage, and landscaping rock sales.

Table 2
Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 1 of 4

Site No.	Site Name	Site Address	Year First Observed in Aerial Photographs	Comments
1	7-Eleven	3290 North Narcoossee Road	1999	The 7-Eleven site was undeveloped cattle rangeland from prior to 1944 through 1994. In 1999, the site was developed with the current gas station and convenience store facility. No significant changes were observed in subsequent aerial photographs.
2	Wawa Food Mart	14876 Narcoossee Road	2019	A small structure is visible at the approximate southeast corner of the current Wawa facility, in 1944. It is not clear whether the structure is a billboard along Narcoossee Road, or a small trailer or mobile home. However, it does not appear to be a filling station. Boggy Creek Road is not visible. The corner remains unchanged through 1951; the remainder of the property is undeveloped cattle pasture. Boggy Creek Road is first visible in 1947. By 1974, the entirety of the current Wawa property is heavily wooded. An excavated pond was visible on the site in 2013, and the Wawa facility was constructed in 2019.
3	Boggy Creek Food & Gas	5160 Boggy Creek Road	1984	The site appeared vacant and undeveloped from prior to 1944 through 1974. In 1978, the site was in use as a trailer or RV parking area for the western adjacent Floridian RV Resort (Site No. 4). In 1984, the site is developed with the current building, and a gas dispenser pump island is visible to the northwest of the structure. A canopy over the dispenser island is visible from 1994 through 2013. In 2013, the manhole covers for the USTs are visible to the north of the building; by 2019 the USTs and fueling system appear to have been removed.
4	Floridian RV Resort	5150 Boggy Creek Road	1974	The land comprising the office and clubhouse of the mobile home park was vacant rangeland in 1944. In 1947, the area appeared cleared. The area remained undeveloped until 1974, when the clubhouse/office structure was visible. What appears to be a large aboveground tank (AST) is visible approximately 100 feet east of the building. The mobile home park is more developed in 1978, but the potential tank is not clearly visible. By 1984, the potential AST had been replaced by a shuffleboard court.
5	Unnamed Nursery	Approximately 4480 Boggy Creek Road	1990	The facility was previously unoccupied, vacant land from prior to 1944 through at least 1984. From 1990 through 1999, rows of plants and at least two trailers are visible on the west side of the property. From 2007 through present, the property appeared as vacant, grassed land. Additionally, from 1990 through 2007, several rows of greenhouses are visible on the east side of the property. In 2013, the structures appear to have been removed, but the footprints of the former buildings remain. In 2019, the property is developed with the current charter school campus.
6	High Plains Debris Management Site	4369 Boggy Creek Road	1984	The facility was undeveloped, vacant cattle rangeland until 1984, when a small residential structure is visible on the eastern portion of the site. The remainder of the property appears grassed in subsequent aerial photographs. A small barn or shed is visible to the southwest of the residence in 1999 through 2007. By 2013, the entire property was undeveloped.

Table 2
Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 2 of 4

Site No.	Site Name	Site Address	Year First Observed in Aerial Photographs	Comments
7	Austin Tindall Debris Management Site	4100 Boggy Creek Road	1994	From 1944 through 1990, the Austin Tindall county park property consisted of vacant cattle pasture. A cattle pen and small barn or shed (Site No. 21) were visible from 1969 through 1994, prior to being developed with recreational fields. The park was developed with soccer fields in 1994, and has remained unchanged since. The facility is a permitted disaster debris facility, and is typically not in use unless authorized on an emergency as-needed basis. Therefore, no evidence of the facility having stored debris was observed in the aerial photographs.
8	Florida Sterling Investments	3600 Boggy Creek Road	1974	From 1944 through 1969, the facility was undeveloped, vacant and wooded land. An auto salvage yard is visible on the southern portion of the property, outside of the Study Area boundaries, in 1969. In 1974, some of the trees had been cleared on the northern portion of the property, within the Study Area, and the cleared area was in use as an auto salvage yard. The northern portion appears expanded in 1984, and in 1990, several buildings are visible on this portion of the site, presumably vehicle processing areas. No significant changes are visible through 1994. In 1999, fewer vehicles are visible, and by 2007, all vehicles had been removed from the portion of the site within Study Area boundaries and the current modular building is visible.
9	Boggy Creek Bromeliads	3615 Boggy Creek Road	1990	This facility was undeveloped, vacant land through the 1940s. In 1951, a rectangular excavation is visible on the southern side of the property. The rest of the property remained undeveloped through 1984, when a residence is visible south of the excavation. From 1990 through 2007, greenhouses are visible to the north of the excavation. From 2013 through the present, the greenhouses appear to have been abandoned and are in disrepair.
10	Auto Repair	3491 Boggy Creek Road	1990	The site appeared vacant and undeveloped from prior to 1944 through 1990. A mobile home residence is visible on the site in 1990, and several vehicles are parked at the site. A carport or barn is visible to the rear (northeast) of the residence in 1994 through present.
11	T&W Enterprises / Williams Pit	3485 Boggy Creek Road	1984	An excavated pond is visible south of Gus Road in 1984. Prior to this, the property had consisted of undeveloped, vacant land. Spoils piles are visible on the southeast side of the pond in 1984, and the current residence, another structure near the residence, and a trailer on the northwest side, are visible in 1990. From 1994 through 1999, an area of disturbance is visible at the southern corner of the pond. In 2007, the area is used for tractor-trailer storage, and appears vacant from 2013 through present.
12	Jackson Landfill	3050 Gus Road	1984	The site was vacant and undeveloped land through at least 1978. In 1984, one area of excavation is visible, to the northeast of Gus Road. Large piles of excavated material are visible surrounding the pond, and trucks or equipment is visible. By 1990, much of the area excavated in 1984 had been backfilled, and excavating activities had moved east. Spoils piles remained visible on the site through 1999. By 2007, only two ponds north of Gus Road were visible.

Table 2
Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 3 of 4

Site No.	Site Name	Site Address	Year First Observed in Aerial Photographs	Comments
13	Unnamed Landfill	Luke Road	1969	From prior to 1944 to 1959, the facility consisted of undeveloped, vacant land. In 1969, an approximate 10-acre square area was cleared, and three mobile homes were visible on the southern portion of the site. In 1974 and 1978, piles of debris and areas of disturbed soils were observed across the site, primarily in the northwest quadrant of the site. Several additional buildings are also visible at this time. By 1984, the area had been redeveloped with several mobile home parcels, and the former debris piles were not visible.
14	Showcase MH Sales, Inc.	3300 Morningside Drive	1994	The site appeared vacant and undeveloped through 1978. In 1984, the property was cleared of vegetation and graded; a small retention pond was excavated on the southern portion. In 1990, a drainage ditch had been excavated along the east property boundary. In 1994 and 1999, a driveway is visible on the east side of the site. In 2007 and 2013, a sales office/trailer is visible, with a small fenced compound on the southeast corner of the site. In 2019, the site is developed with the current Family Dollar store.
15	Circle K #7466	3280 Boggy Creek Road	1990	The site was historically undeveloped vacant land prior to the construction of the current gas station and convenience store facility in the late 1980s.
16	Former Auto Salvage Lot	14857 Boggy Creek Road	1969	Prior to the construction of the current residence in the 1960s, the property was undeveloped, vacant rangeland. No significant changes were observed to the property through 1978, when four automobiles were parked behind (east) the residence. In 1999, several more vehicles were visible east of the residence. By 2007, approximately 3 acres of the property were in use as an auto salvage lot; the residential portion of the property appeared unchanged. In 2013, remnants of discarded cars, trucks, and boats are visible. The vehicles appear to have been removed by 2019.
17	Former Citrus	Study Area	1944	In the earliest available aerial photographs, citrus groves were visible on the south side of Boggy Creek Road near the center of the Study Area, just north of Lake Tohopekaliga. Smaller groves were later visible near the northwest end, as well as on the eastern side, where Boggy Creek Road travels north/south. The groves near the west end and center of the alignment were visible through 1999; and near the east end through 2013.
18	Uncle Jutty's Nursery	3415 Boggy Creek Road	1984	The site preparation was being performed in 1984 with a plant nursery visible from 1990 through 2019.
19	Former Nursery	3470 Boggy Creek Road	1984	The site was vacant grassy land from prior to 1944 through 1978; a drainage canal was first visible in 1959. The property was developed with a nursery from 1984 through 1994. From 2007 through present, a mobile home and several discarded vehicles are visible on the southwestern portion of the property.
20	Former Nursery	3530 Boggy Creek Road	1994	The site consisted of vacant land from prior to 1944 through at least 1990. A nursery was located at the property in the early 1990s, and by 1999, the property appeared abandoned and in disrepair. Beginning in 2007, piles of imported fill are visible across the property.

Table 2
Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 4 of 4

Site No.	Site Name	Site Address	Year First Observed in Aerial Photographs	Comments
21	Historical Cattle Pen	South Side of Boggy Creek Road	1959	Prior to 1959, the site was vacant land. A large fenced pasture was visible in 1959, and in 1969 a small structure and smaller fenced pen are visible. The pen and shed were visible through 1994, and had been incorporated into the current Austin Tindall athletics complex by 2013. No cattle dipping vats were observed in aerial photographs reviewed.
22	Former Nursery	4324 Semoran Farms Road	1984	The facility was previously unoccupied, vacant land from prior to 1944 through at least 1978. In 1984 the site appeared developed with a single-wide mobile home and at least three greenhouse structures. In 1999 several rows of trees are visible on the east portion of the site. The greenhouses on the southeastern portion of the property were demolished by 2013 when the current metal-roof building is visible.
23	Former Nursery and Trailer Parking Site	4370 Boggy Creek Road	1978	The site was undeveloped, vacant land through at least 1974. In 1978, the property appeared cleared, and a barn was visible on the central portion of the site. In 1984, a second, larger barn is visible on the site. In 1999, the site appeared in use as a trailer and boat storage lot, and in 2007, a plant nursery is visible on the central portion of the site. The nursery appears to have ceased operations by 2013, while the western portion of the site remains generally unchanged.

Table 2A
Pond Site Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 1 of 4

Site No.	Site Location	Risk Ranking	Comments
Pond 1A	Approximately 965 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Undeveloped and vacant through 1974. The drainage ditch/creek on the western boundary is visible beginning in 1978.
Pond 1B	Approximately 500 feet west of Boggy Creek Road, west of Will Hughey Road	Low	Undeveloped and vacant through 1978; cleared in 1984 for the adjacent residence.
Pond 1C	Approximately 715 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Low	Undeveloped and vacant through 1978; cleared in 1984 for the adjacent residence; contains a barn or residence.
Pond 1D	Expansion of an existing pond, adjacent to the west of Boggy Creek Road and east of Will Hughey Road	Low	The site was undeveloped through 1999 and appears excavated to current conditions in early 2000s.
Pond 2A	Southwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	The site was vacant and structurally undeveloped through 1974; a drainage ditch is visible crossing the site in 1951. The southern corner of the property appears disturbed in 1978. Potential debris is visible on the southern portion of the pond site in 1994. The current adjacent residence and barn were first visible in 2007. Contains a horse corral in 2019.
Pond 2B	Northwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Low	Undeveloped, vacant land through present day. Great Oaks Boulevard is first visible in 1978, and the adjacent residence was constructed in the early 1990s.
Pond 2C	Approximately 350 feet southwest of Boggy Creek Road, just south of Great Oaks Boulevard	Medium	Undeveloped, vacant land through 1974. A drainage ditch is visible at the east corner in 1951. A plant nursery and two barns are visible on-site from 1984 through 1990. Debris piles and vehicles are visible on-site from 1994 through 2019.
Pond 3A	Southwest corner of the Boggy Creek Road and Lake Vista Drive intersection	High	Undeveloped, vacant and wooded land through 1969. The site appears cleared in 1974, and in use as an auto salvage yard through 1999. In 2003, the site remained developed with at least two to three structures, but vehicles had been removed. The current structure was constructed by 2007.
Pond 3B	Approximately 300 feet north-northeast of Boggy Creek Road, to the adjacent west of Tohopekaliga High School	Medium	The site was undeveloped and vacant in 1944. A portion of a pond had been excavated on the west portion of the property in 1951, and remains at least in part through present. A greenhouse-type structure is visible on the north portion of the site in 1990, and was expanded in 1994. The greenhouses appeared maintained through 2007, and fell into disrepair by 2013 through the present.

Table 2A
Pond Site Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
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Site No.	Site Location	Risk Ranking	Comments
Pond 3C	Approximately 300 feet south of Boggy Creek Road, adjacent to the west of East Lake Road	Low	The site was undeveloped and vacant through 1969, when East Lake Road is visible. In 1974, two single family residences are visible on-site. A third residence is visible in 1984.
Pond 3D	Approximately 350 feet southwest of Boggy Creek Road, adjacent to the west of Lake Vista Drive	Medium	The site appears vacant through 1994. Lake Vista Drive is first visible in 1951. In 1999, the site appears cleared of heavy vegetation and a barn is visible near the north corner. A mobile home is visible at that location in 2003, and the site appears structurally undeveloped in 2007. A shed and several piles of soil are visible in 2013 and by 2019, large areas of the site are covered with imported fill piles and apparently abandoned vehicles.
Pond 4A	Adjacent to the north of Boggy Creek Road, approximately 660 feet east of Turnberry Boulevard	Medium	The site was vacant and undeveloped through 1974. In 1978, the site appears cleared of vegetation. In 1984, a pond has been excavated on the northern portion a barn is near the pond, and a residence is visible near Boggy Creek Road. Additional structures (possibly a single-wide mobile home) and tractor trailers are visible on the site from 1994 through 2003. The structure appears abandoned by 2007 and in disrepair. A pile of debris is visible at the barn location in 2019.
Pond 4B	Adjacent to the south of Boggy Creek Road and adjacent to the east of the Austin Tindall County Park	Low	The site appears vacant and possibly in use as cattle pasture through 2013. The site appears vacant and mowed in 2017. No structures are visible on the site.
Pond 4C	Expansion of existing ponds at the southeast corner of the Austin Tindall Sports Complex, 950 feet south of Boggy Creek Road	Low	The site appears vacant and possibly in use as cattle pasture through 2007. The current ponds are first visible in 2013.
Pond 4D	Expansion of an existing pond on the southern portion of the Austin Tindall Sports Complex, approximately 1,050 feet south of Boggy Creek Road	Low	The site appears vacant and possibly in use as cattle pasture through 1990. The current pond is first visible in 1994.
Pond 5A	Adjacent to the east of Boggy Creek Road and approximately 330 feet north of Semoran Farms Road	Low	The site appears to be vacant rangeland or pasture through 1978. In 1984, the residence is visible. By 2003, the east portions of the site are divided into horse pastures. In 2007, the southern pasture appears to have been burned, and a small shed is visible at the southwest corner. From 2013 through 2019, several small sheds, vehicles, and boats are visible at the southwest portion of the site.

Table 2A
Pond Site Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 3 of 4

Site No.	Site Location	Risk Ranking	Comments
Pond 5B	Adjacent to the southeast of Boggy Creek Road and adjacent to the south of Semoran Farms Road	Medium	The site was vacant and undeveloped through 1978. In 1984, the site appears developed with a possible greenhouse, and a single-wide mobile home. In 1994, the site was redeveloped with the current residence. The mobile home is still present at the site. No significant changes were observed through 2019.
Pond 5C	Approximately 750 feet east of Boggy Creek Road and adjacent to the north of Semoran Farms Road	Low	The site was vacant rangeland through 1974. In 1978, a portion of a small pond was located on the southwest portion of the site. In 1999, structures are visible at the southeast corner. By 2013, the site is vacant with no visible structures. The pond has since overgrown with trees.
Pond 6A	Adjacent to the northwest of Boggy Creek Road, approximately 460 feet northeast of High Plains Road	Low	The site has historically been structurally undeveloped, wooded land. No structures were observed on the site.
Pond 6B	Approximately 500 feet north of Boggy Creek Road, with an access road leading northward from Boggy Creek Road, to the adjacent west of Jim Branch Creek	Low	The site has historically been structurally undeveloped, wooded land. No structures were observed on the site.
Pond 7A	Approximately 500 feet north of Boggy Creek Road, west of High Plains Road	Low	The site has historically been structurally undeveloped, wooded land. No structures were observed on the site.
Pond 7B	Adjacent to the south of Boggy Creek Road, approximately 175 feet east of Jim Branch Creek	Medium	The site is undeveloped and vacant through 1999. In 2003, the site appears grassed and several tractor trailers are parked on the west side of the site. In 2007, an area on the western side of the site appears in use as a plant nursery. The nursery is not visible by 2013.
Pond 7C	Approximately 520 feet north of Boggy Creek Road, west of High Plains Road	Low	The site has historically been structurally undeveloped, wooded land. No structures were observed on the site.
Pond 8A	Adjacent to the south of Boggy Creek Road, approximately 1,150 feet west of Rustic Drive, and 175 feet east of Grouse Avenue	Low	The site was vacant and undeveloped through 1978, though the drainage ditch was first visible in 1951 crossing the eastern portion of the site. The current residence was constructed prior to 1984. No significant changes were observed.
Pond 8B	Adjacent to the south of Boggy Creek Road, approximately 860 feet west of Rustic Drive	Low	The site was undeveloped, vacant land through 1969. In 1974, the current residence is visible on the western portion of the site. In 1984, the pond has been excavated. A barn/shop is visible to the rear of the residence beginning in 1999.

Table 2A
Pond Site Aerial Photograph Review Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
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Site No.	Site Location	Risk Ranking	Comments
Pond 8C	Adjacent to the south of Boggy Creek Road, approximately 540 feet west of Rustic Drive	Low	The site was historically structurally undeveloped, wooded land through 2003. The current residence and barn were first visible in 2007.
Pond 9A	Adjacent to the south of Boggy Creek Road, at the northwest corner of Lakes Edge Lane	Low	The site was historically structurally undeveloped, wooded land through 2003. The current residential neighborhood was constructed by 2007.
Pond 9B	Expansion of existing pond approximately 900 feet south of Boggy Creek Road	Low	The site was historically structurally undeveloped, wooded land through 2003. The current residential stormwater pond was constructed by 2007.
Pond 10A	Adjacent to the south of Boggy Creek Road, at the northeast corner of Waterbridge Court	Low	The site was historically structurally undeveloped, wooded land through 2003. The current residential neighborhood was constructed by 2007.
Pond 10B	Expansion of existing pond approximately 840 feet south of Boggy Creek Road	Low	The site was historically structurally undeveloped, wooded land through 2003. The current residential stormwater pond was constructed by 2007.
Pond 11A	Northeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	The site has historically been undeveloped rangeland and woods. The site contains a fenced area in the 1944 through 1978 aerial photographs.
Pond 11B	Southeast corner of the Boggy Creek Road and Narcoossee Road intersection	Low	The site has historically been structurally undeveloped, wooded rangeland and cattle pasture. No structures were observed on the site.
Pond 11C	Southwest corner of the Boggy Creek Road and Narcoossee Road intersection	Medium	The site was undeveloped, vacant rangeland through 1995. In 1999, the site is developed with the currently-vacant gas station. No significant changes were observed in subsequent aerials.

Table 3
 Polk City Directory Review Summary
Boggy Creek Road Widening Improvements
 Osceola, Florida
 FPN: PS-20-11479-DG
 GEC Project No. 4636E

Year of Polk City Directory Review								
Site No.	Street Address No	1992	1995	2000	2005	2010	2014	2017
		Boggy Creek Road						
15	3280	---	---	---	---	---	---	---
11	3485	---	---	---	---	---	---	---
10	3491	Auto & RV Service	---	---	---	---	---	---
8	3600	---	---	---	---	---	---	---
9	3615	Boggy Creek Brmlads	---	---	---	---	---	---
7	4100	---	---	---	---	---	---	---
6	4369	---	---	---	---	---	---	---
4	5150	Residential Listings	Residential Listings	Camp City of Orlando RV Resort, Inc.	Floridian RV Resort Residential Listings	Floridian RV Resort Residential Listings	Floridian RV Resort Residential Listings	The Floridian RV Resort Residential Listings
3	5160	Camptown Convenience Store	Camptown Convenience Store	Brazzelis Gourmet Takeout Camptown Convenience Store	Camptown Convenience Store & Gasoline Ramjas Corp.	Parks Minimart Sorrento Pizza	Boggy Creek Food & Gas Company Camptown Convenience	Boggy Creek Food & Gas Company Sunoco
North Narcoossee Road								
1	3290	---	---	---	7-Eleven Stores	7-Eleven	1 A1 Locksmith 7-Eleven	1 A1 Locksmith 7-Eleven

* Facilities of concern are identified in bold.

Table 4
Pond Site Reconnaissance Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 1 of 3

Pond Site No.	Pond Location	Site Observations
Pond 1A	Approximately 965 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Access not provided
Pond 1B	Approximately 500 feet west of Boggy Creek Road, west of Will Hughey Road	Access not provided
Pond 1C	Approximately 715 feet west of Boggy Creek Road, west of Will Hughey Road and to the adjacent north of an existing pond	Access not provided
Pond 1D	Expansion of an existing pond, to the adjacent to the west of Boggy Creek Road and east of Will Hughey Road	Property is enclosed by a gate. Some areas of standing water observed, vegetation consists of scrub oaks and vines.
Pond 2A	Southwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Occupied residential property with horses
Pond 2B	Northwest corner of the Boggy Creek Road and Great Oaks Boulevard intersection	Property was fenced, consisted of palm and pine trees. One residence was observed
Pond 2C	Approximately 350 feet southwest of Boggy Creek Road, just south of Great Oaks Boulevard	Property was gated and locked; access not provided
Pond 3A	Southwest corner of the Boggy Creek Road and Lake Vista Drive intersection	Some dumping on landscape debris. One dumpster was observed. No staining or hazardous materials observed.
Pond 3B	Approximately 300 feet north-northeast of Boggy Creek Road, to the adjacent west of Tohopekaliga High School	Former plant nursery; no hazardous materials observed
Pond 3C	Approximately 300 feet south of Boggy Creek Road, adjacent to the west of East Lake Road	Mobile homes observed on the property
Pond 3D	Approximately 350 feet southwest of Boggy Creek Road, adjacent to the west of Lake Vista Drive	Soil piles and storage containers observed on the property. Some small, vacant buildings observed.
Pond 4A	Adjacent to the north of Boggy Creek Road, approximately 660 feet east of Turnberry Boulevard	Former nursery property. Some surficial digging observed.
Pond 4B	Adjacent to the south of Boggy Creek Road and adjacent to the east of the Austin Tindall County Park	Property consists of over-flow parking for Austin Tindall Park
Pond 4C	Expansion of existing ponds at the southeast corner of the Austin Tindall Sports Complex, 950 feet south of Boggy Creek Road	Existing pond for Austin Tindall Park

Table 4
Pond Site Reconnaissance Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 2 of 3

Pond Site No.	Pond Location	Site Observations
Pond 4D	Expansion of an existing pond on the southern portion of the Austin Tindall Sports Complex, approximately 1,050 feet south of Boggy Creek Road	Existing pond and overflow storage for Austin Tindall Park
Pond 5A	Adjacent to the east of Boggy Creek Road and approximately 330 feet north of Semoran Farms Road	Small single family homes with several parked cars. Multiple small horse stables were also observed.
Pond 5B	Adjacent to the southeast of Boggy Creek Road and adjacent to the south of Semoran Farms Road	Well maintained mobile home.
Pond 5C	Approximately 750 feet east of Boggy Creek Road and adjacent to the north of Semoran Farms Road	Vacant property except for a small horse stable near the property line.
Pond 6A	Adjacent to the northwest of Boggy Creek Road, approximately 460 feet northeast of High Plains Road	The property is adjacent to an existing canal. Vegetation was somewhat dense; household type trash observed across the property. No hazardous materials were observed.
Pond 6B	Approximately 500 feet north of Boggy Creek Road, with an access road leading northward from Boggy Creek Road, to the adjacent west of Jim Branch Creek	Dumped tires were observed at the property. Densely vegetated with scrub oaks and palmettos.
Pond 7A	Approximately 500 feet north of Boggy Creek Road, west of High Plains Road	Access not provided
Pond 7B	Adjacent to the south of Boggy Creek Road, approximately 175 feet east of Jim Branch Creek	The portion of the property near boggy Creek Road is a decorative landscaping rock company. The back of the property is an active construction / sand mining operation.
Pond 7C	Approximately 520 feet north of Boggy Creek Road, west of High Plains Road	Access not provided
Pond 8A	Adjacent to the south of Boggy Creek Road, approximately 1,150 feet west of Rustic Drive, and 175 feet east of Grouse Avenue	The site is developed with a 2-story residence and barn.
Pond 8B	Adjacent to the south of Boggy Creek Road, approximately 860 feet west of Rustic Drive	The property consists of a stand of planted pines.
Pond 8C	Adjacent to the south of Boggy Creek Road, approximately 540 feet west of Rustic Drive	The site is developed with a 2-story residence and barn.
Pond 9A	Adjacent to the south of Boggy Creek Road, at the northwest corner of Lakes Edge Lane	The pond site is developed with six single family residences.

Table 4
Pond Site Reconnaissance Summary
Boggy Creek Road Widening Improvements
Project No. PS-20-11479-DG
GEC Project No. 4636E
Page 3 of 3

Pond Site No.	Pond Location	Site Observations
Pond 9B	Expansion of existing pond approximately 900 feet south of Boggy Creek Road	The site consists of an existing pond.
Pond 10A	Adjacent to the south of Boggy Creek Road, at the northeast corner of Waterbridge Court	The pond site is developed with five single family residences.
Pond 10B	Expansion of existing pond approximately 840 feet south of Boggy Creek Road	The site consists of an existing pond.
Pond 11A	Northeast corner of the Boggy Creek Road and Narcoossee Road intersection	The site consists of densely wooded oaks.
Pond 11B	Southeast corner of the Boggy Creek Road and Narcoossee Road intersection	The site is densely vegetated with oaks and holly shrubs.
Pond 11C	Southwest corner of the Boggy Creek Road and Narcoossee Road intersection	The site consists of a vacant former gas station. No tanks, pumps, or other equipment appears to remain on-site.

APPENDIX A

Historical Aerial Photographs

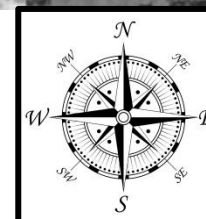


Google Earth

Image U.S. Geological Survey

Not to Scale

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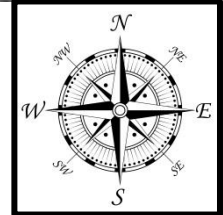


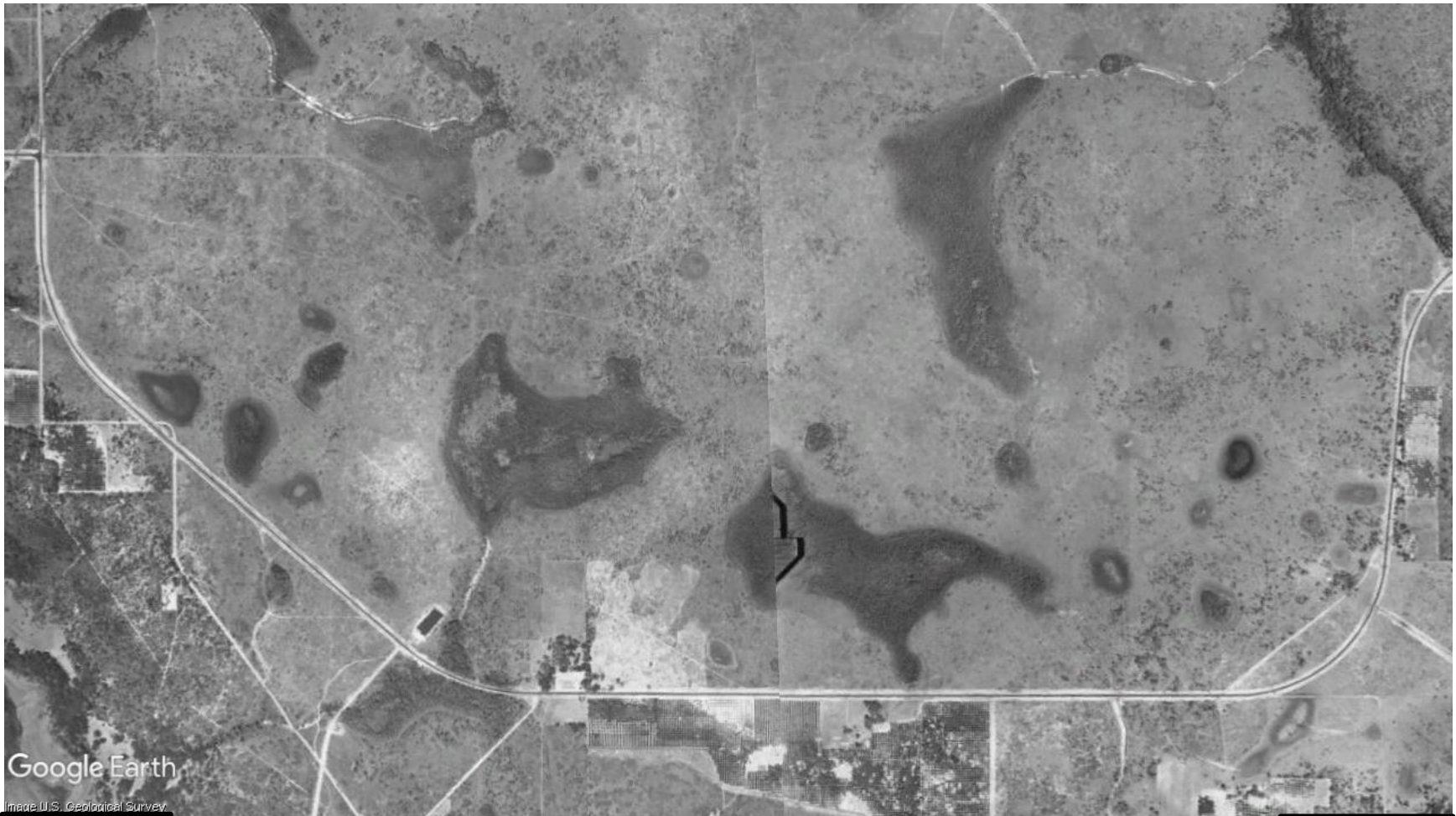
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Image U.S. Geological Survey

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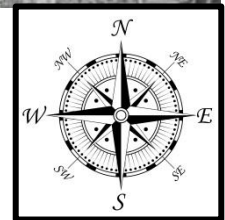
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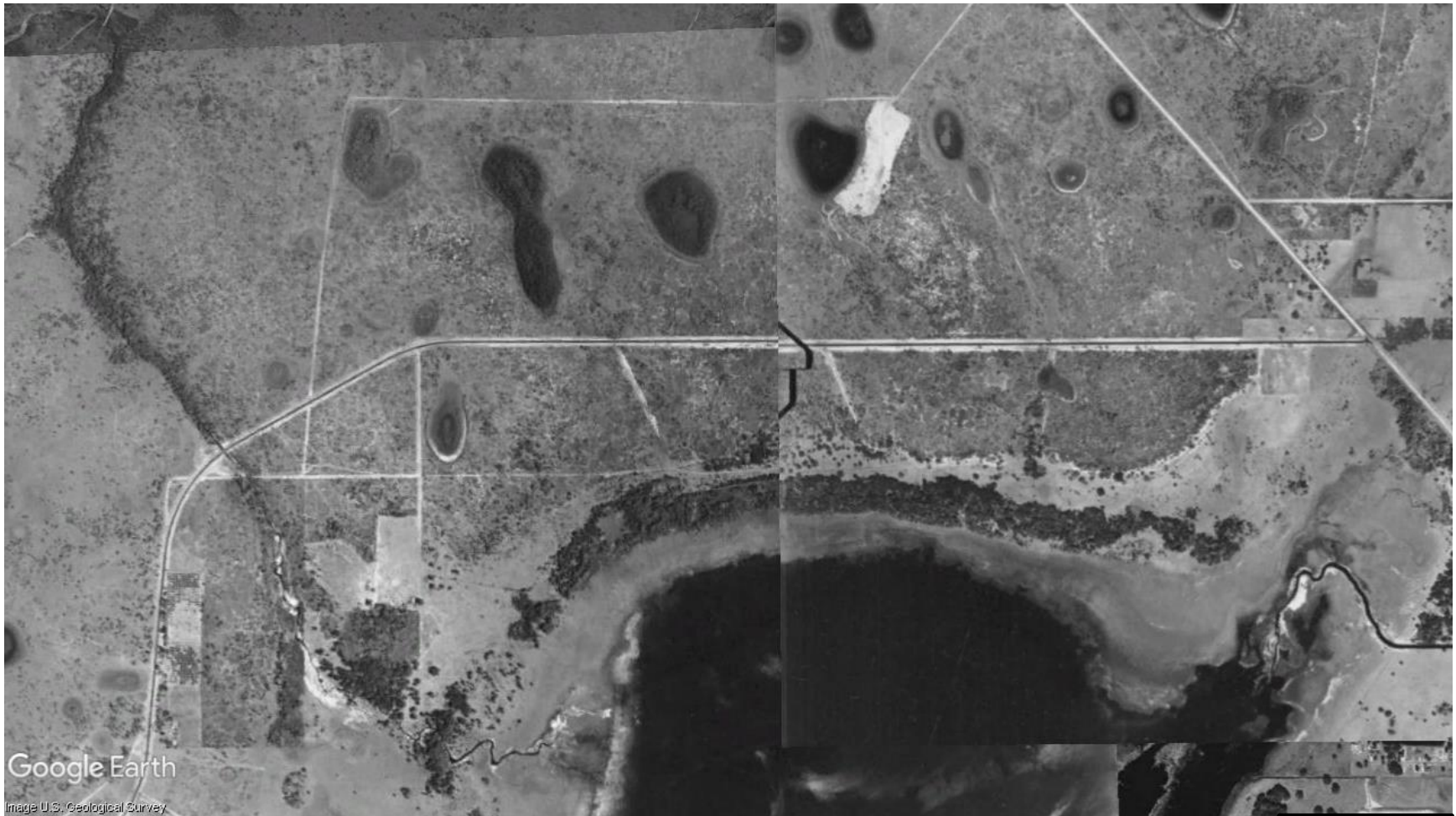




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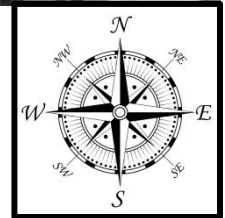


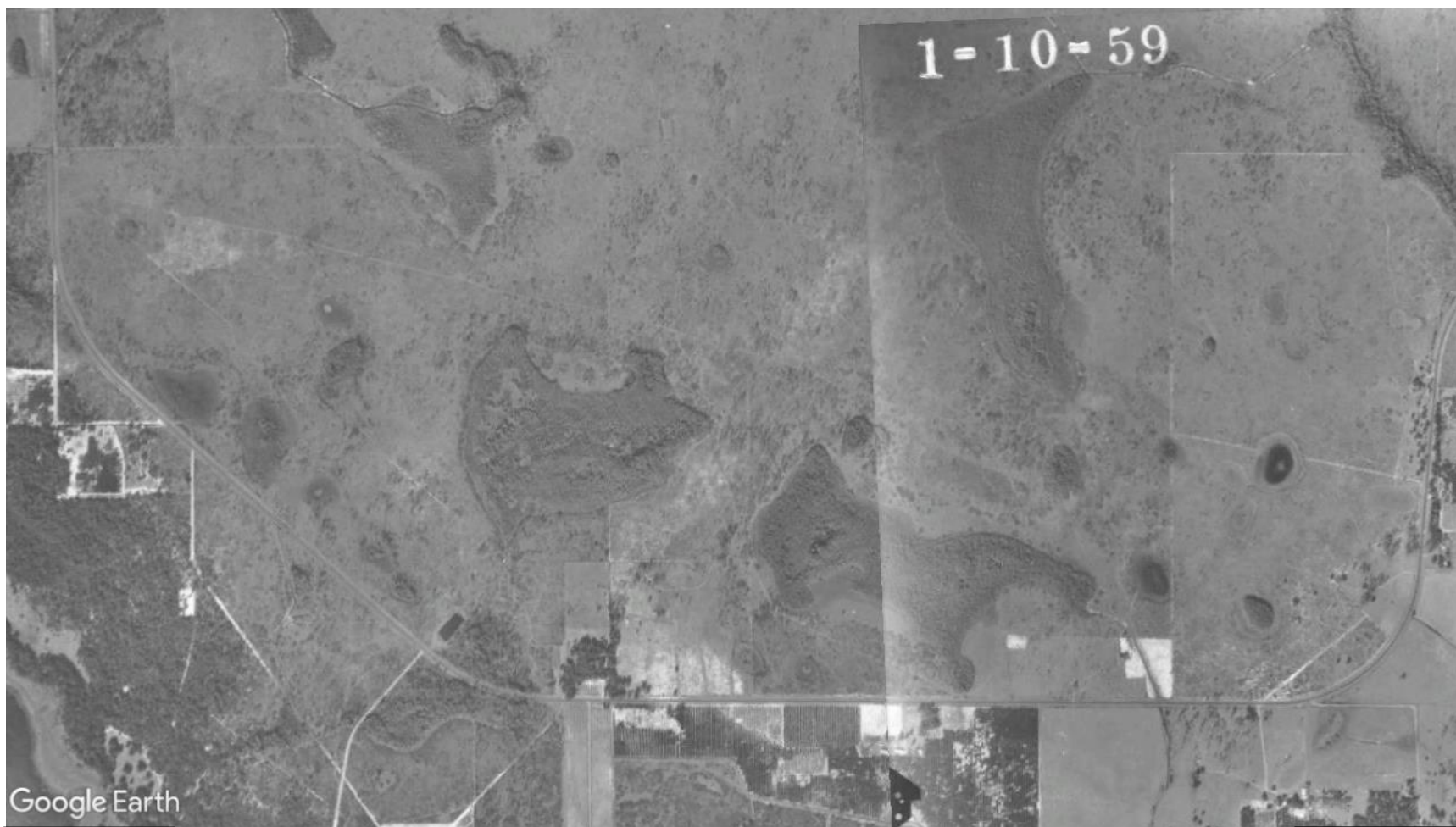
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Image U.S. Geological Survey

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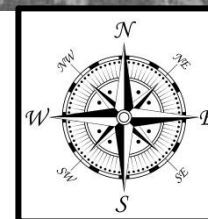


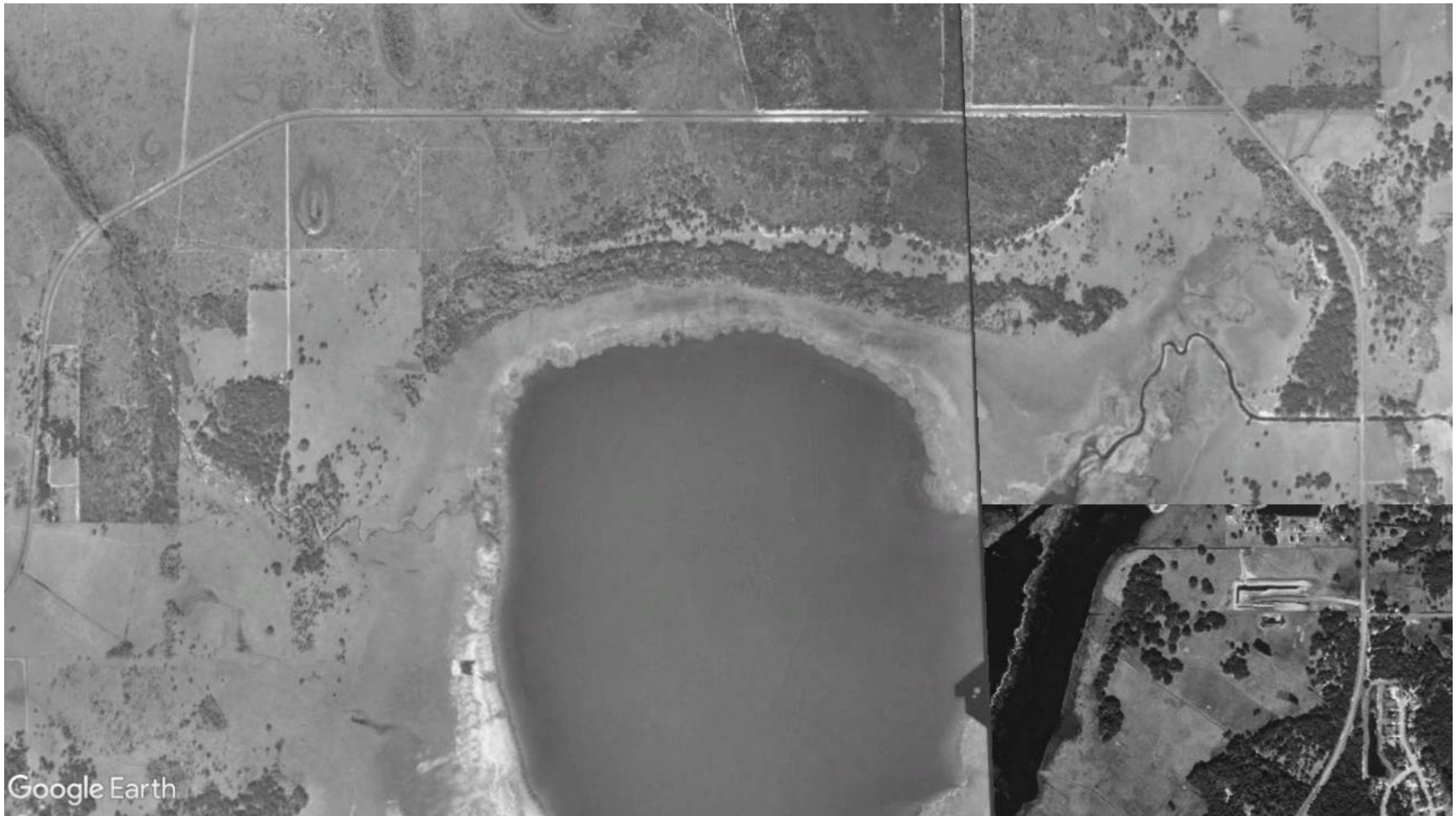


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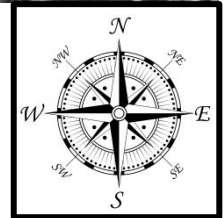




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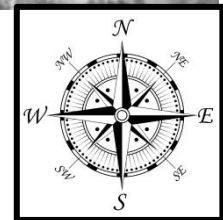




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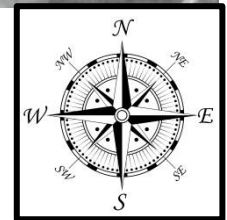




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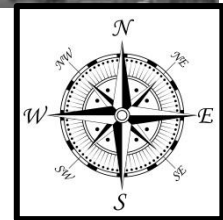
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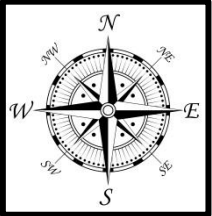


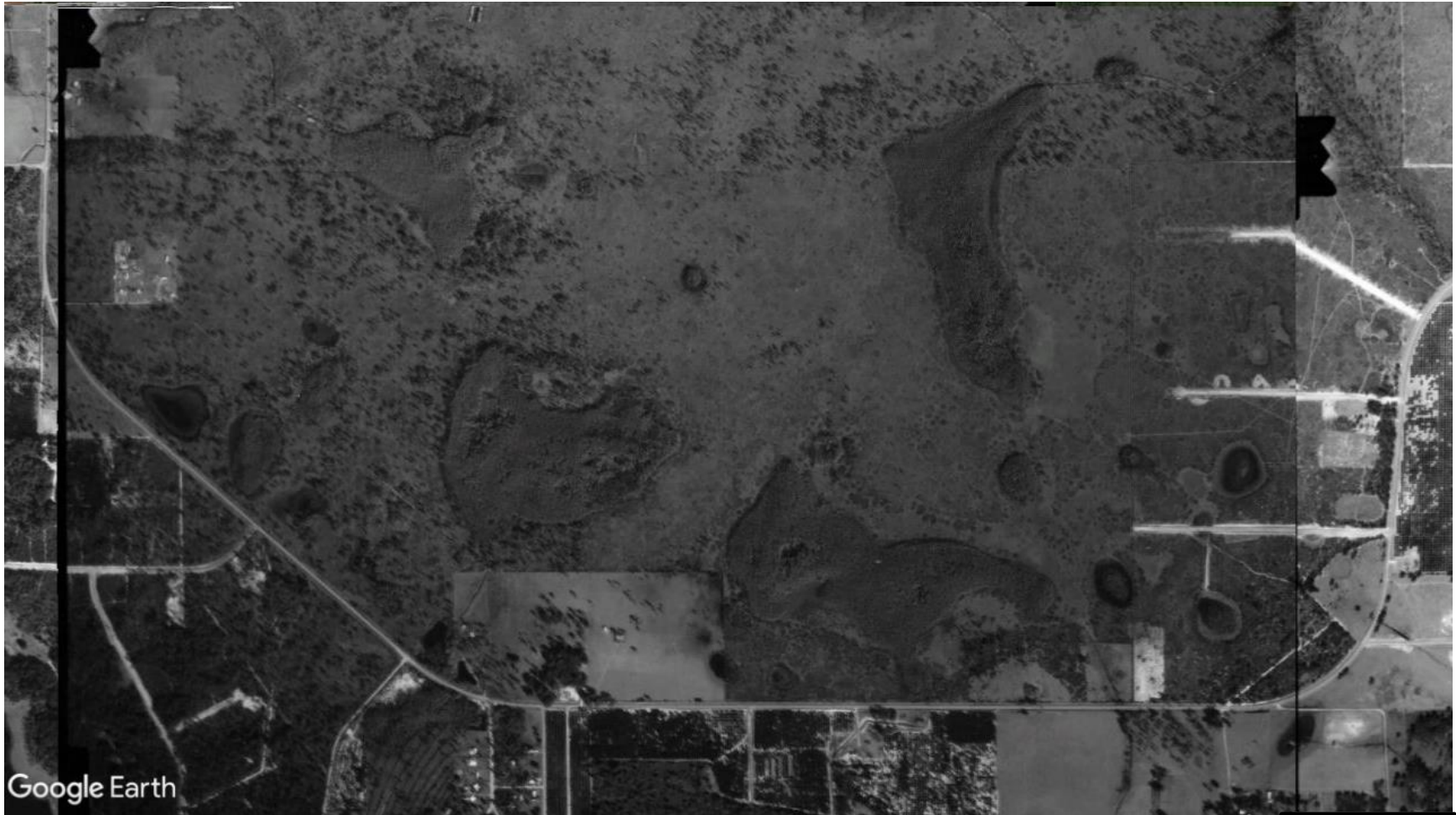


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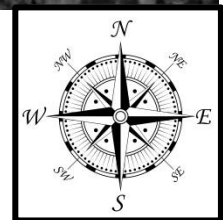




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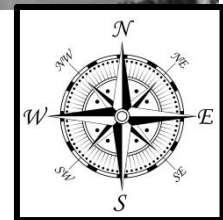




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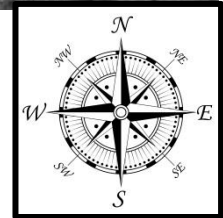




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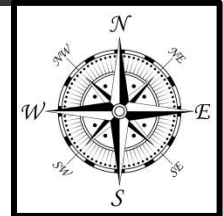


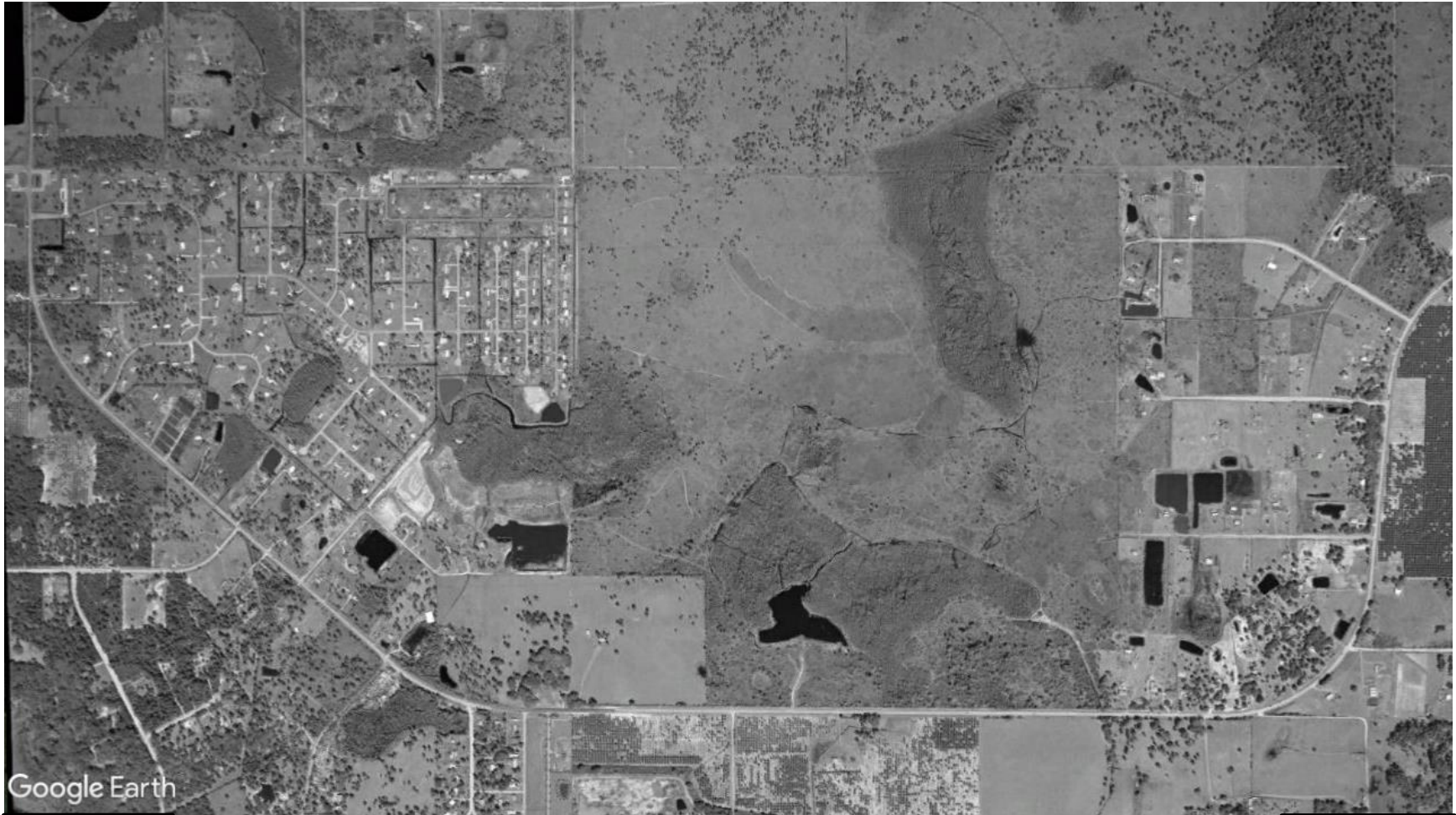


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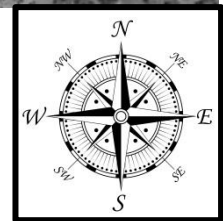


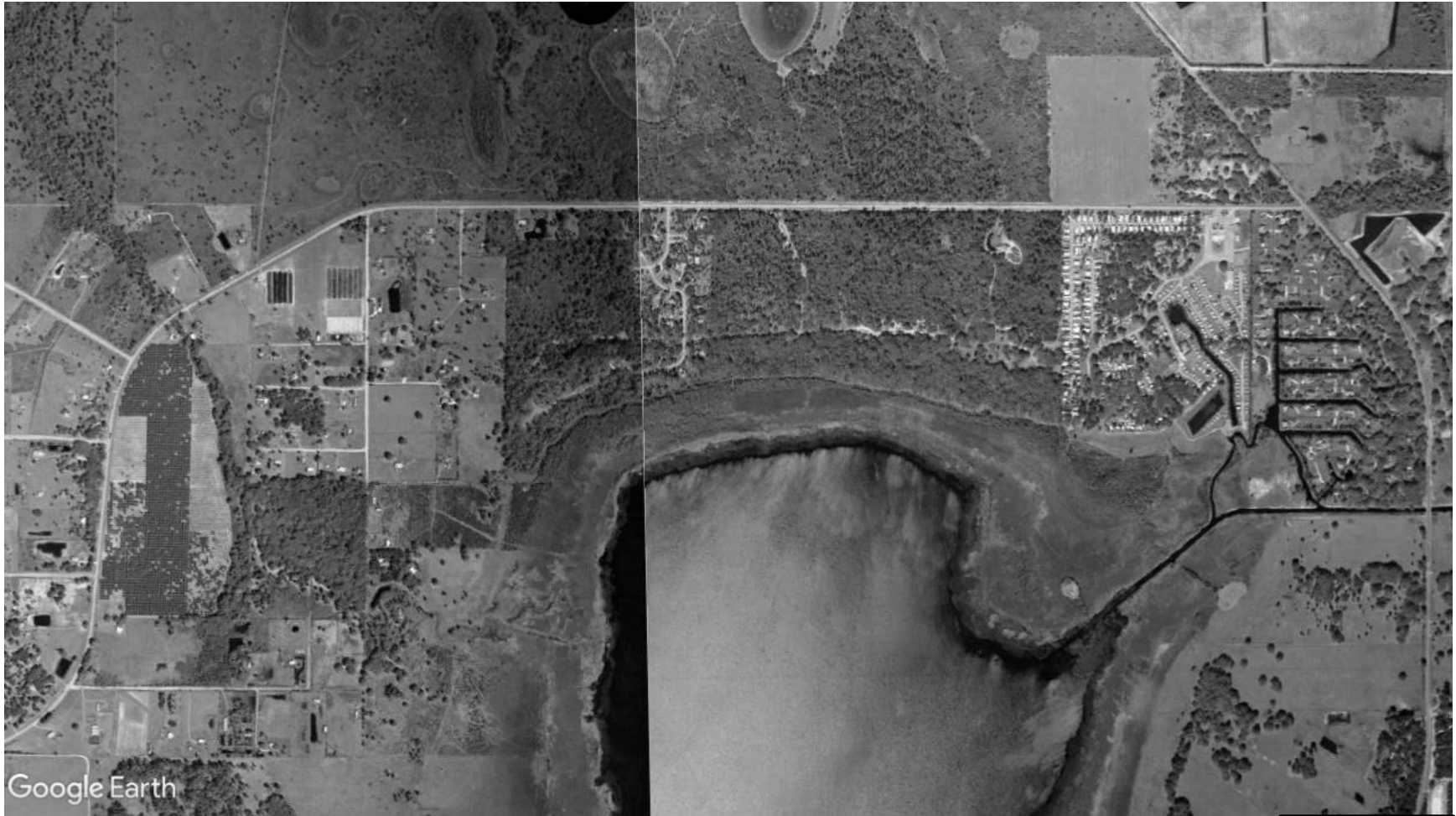


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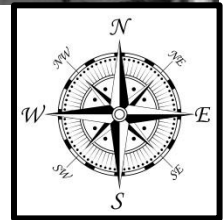




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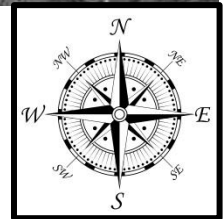




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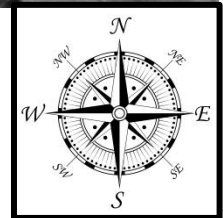


Google Earth

Image U.S. Geological Survey

Not to Scale

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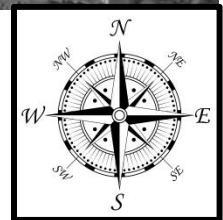




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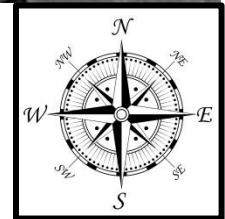
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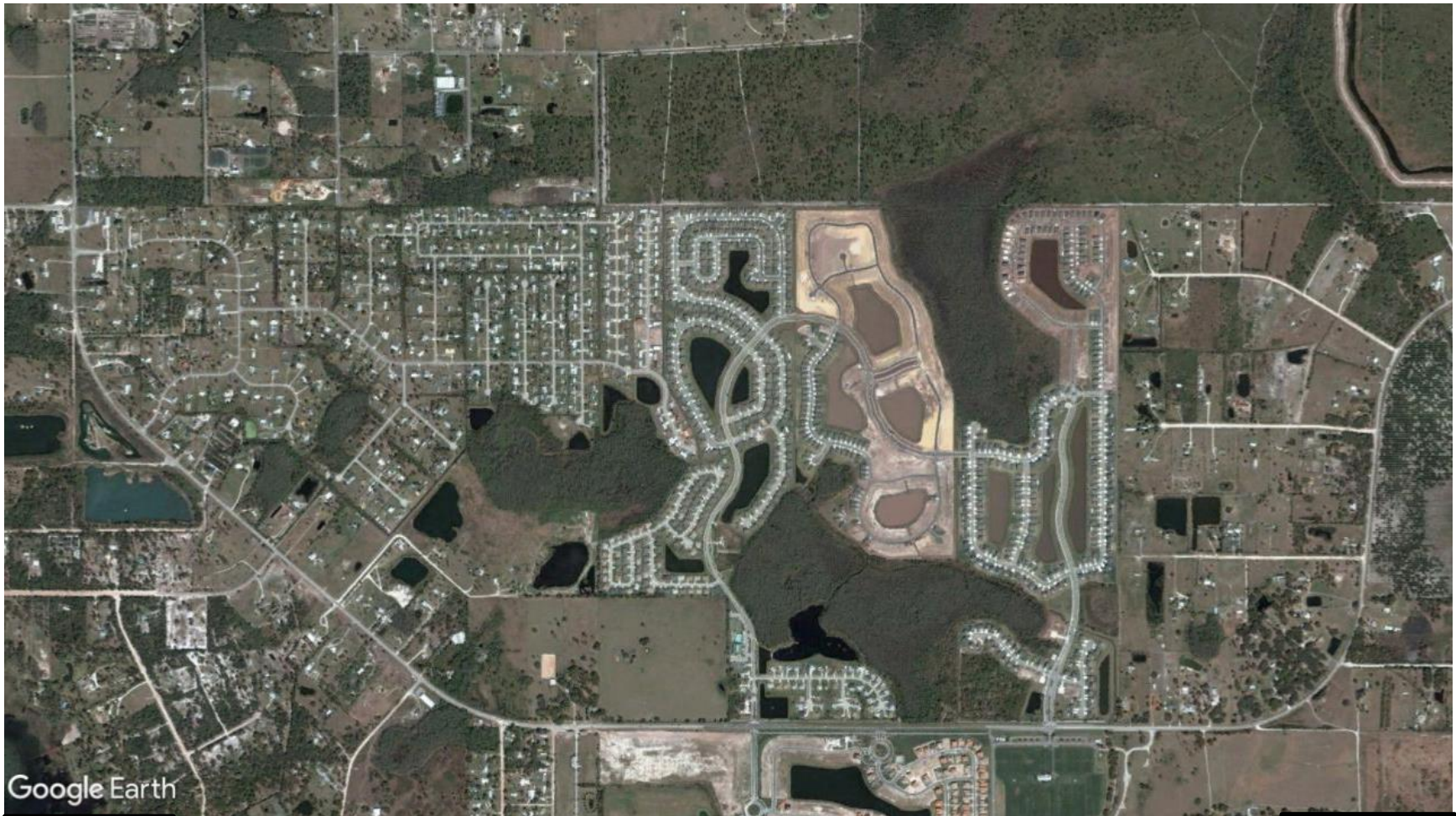




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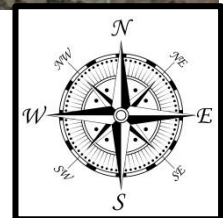




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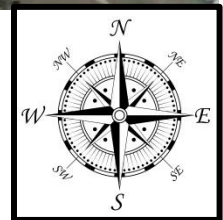
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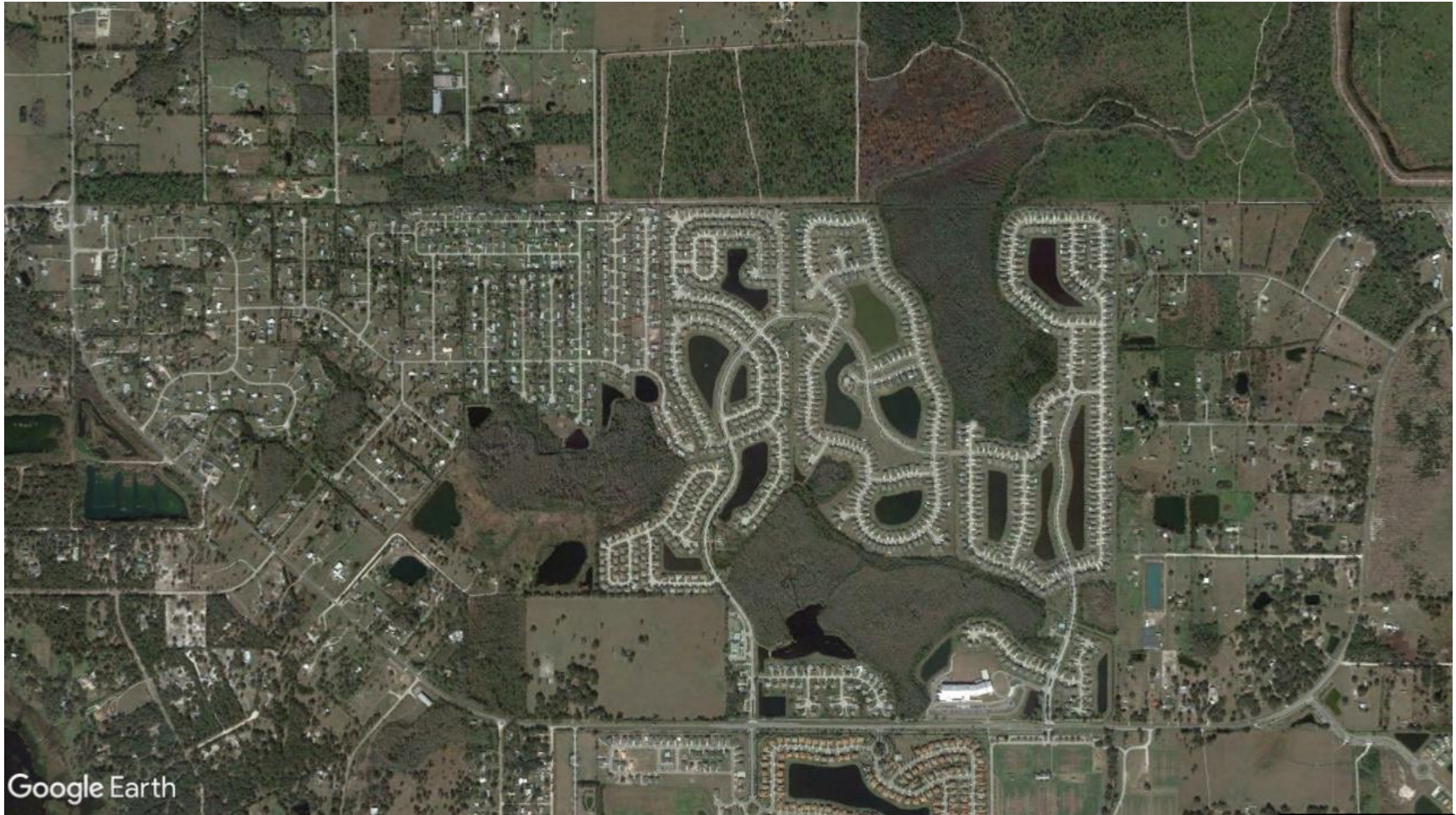




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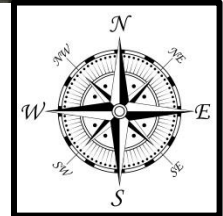


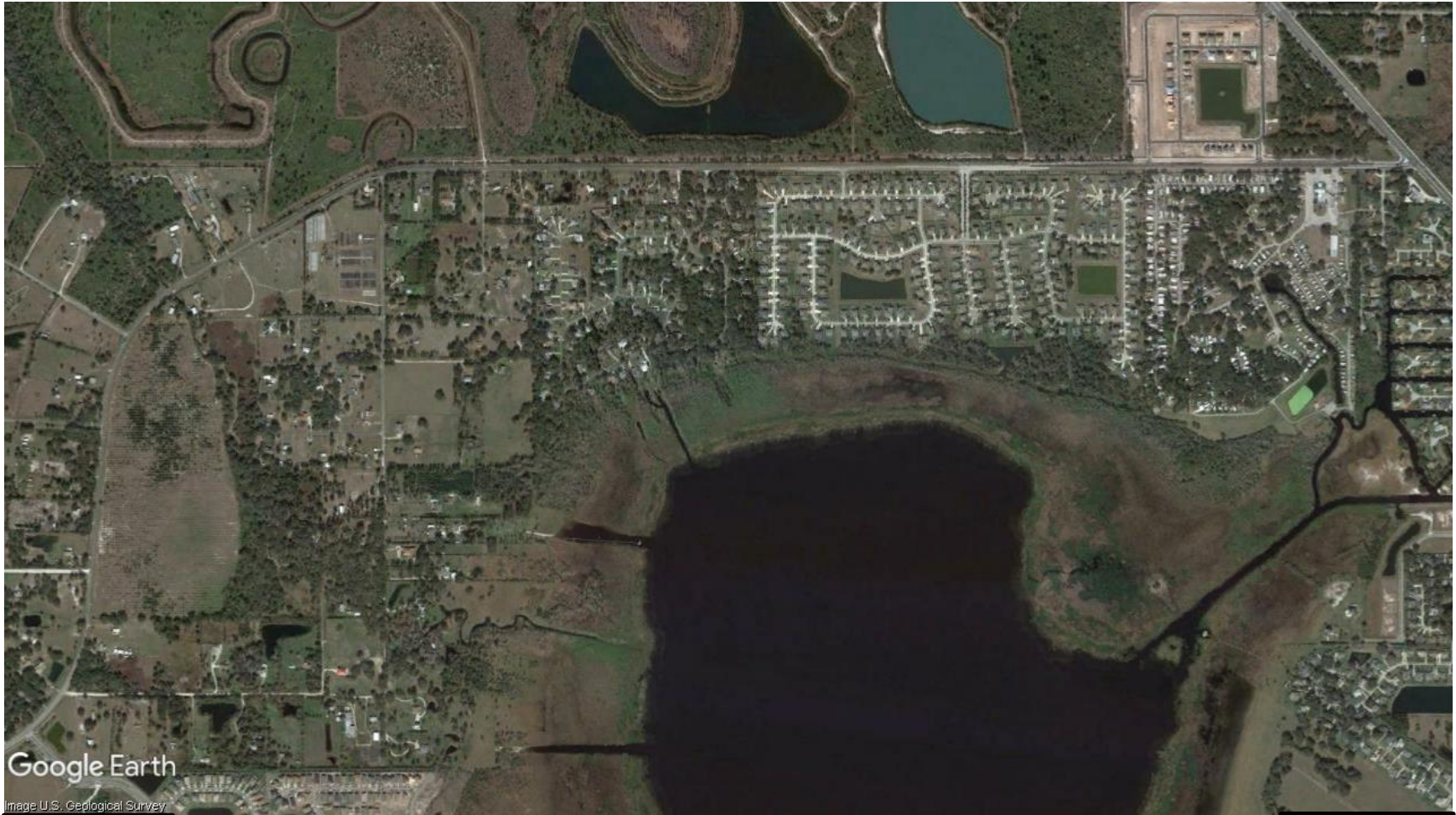


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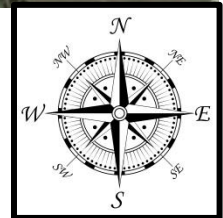


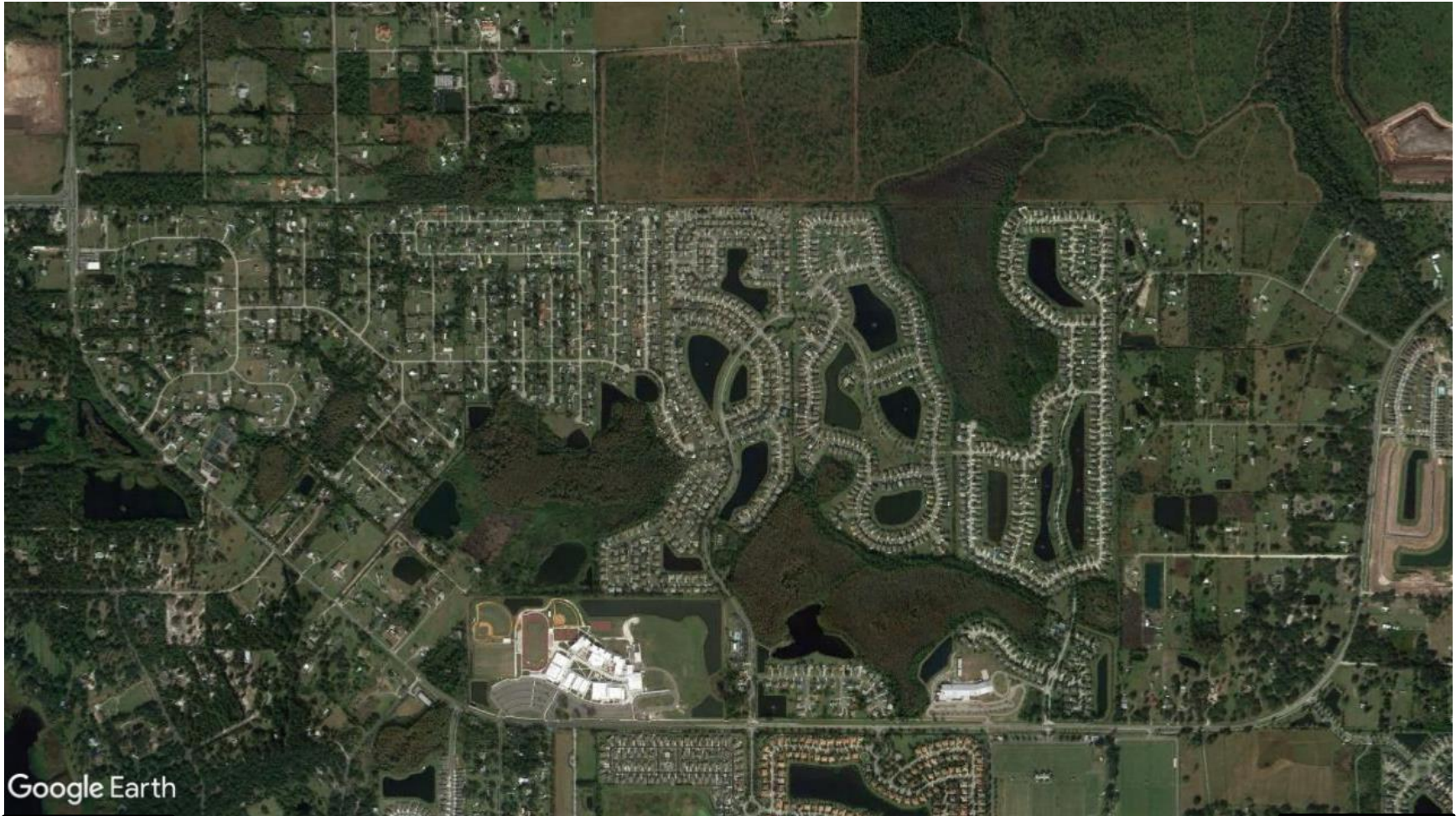
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Image U.S. Geological Survey

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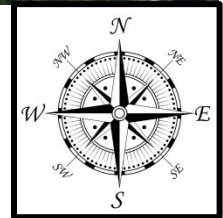


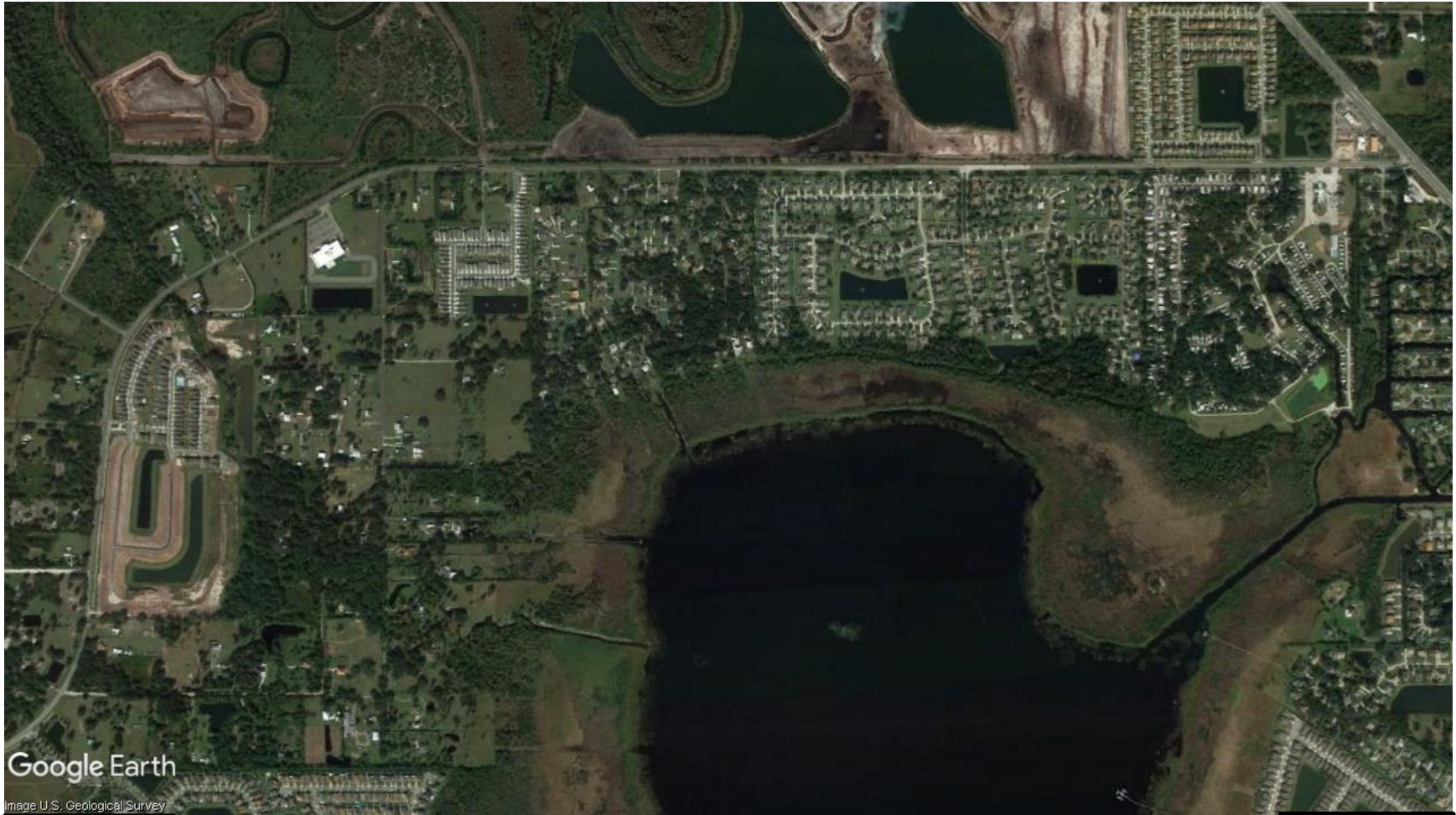


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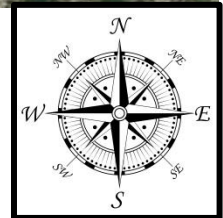


Google Earth

Image U.S. Geological Survey

Not to Scale

2019 (2 of 2)



APPENDIX B

Definitions of Common Report Terms

Aboveground Storage Tank (AST) - A storage tank that is situated on the ground surface and may or may not be installed on a concrete pad with secondary spill containment.

Active Remediation (AR) - Implementation of an approved Remedial Action Plan.

Contamination - The presence of any material or chemical contained within the soil, surface water, sediment, or groundwater on or adjacent to the project corridor, that may require assessment, remediation, or special handling, or that has a potential for liability.

Contamination Risk Rating (CRR) - Site risk rating system defined in Chapter 20 of the FDOT PD&E Manual.

Engineering Control (EC) - A modification to a site to reduce or eliminate the potential for migration of, and exposure to, contaminants of concern. Examples of ECs include slurry walls, sheet pile walls, and engineered liners to prevent exposure.

Hazardous Material - Any solid, liquid, or gas that has the potential to harm people, other living organisms, property, or the environment, either by itself or through interaction with other factors. Hazardous material may be radioactive, flammable, explosive, toxic, corrosive, biohazardous, an oxidizer, an asphyxiant, a pathogen, an allergen, or may have other characteristics that render it hazardous in specific circumstances. These materials may threaten workers through occupational exposure and the general public in their homes, communities, and general environment. Exposure to these materials can occur near the site of generation, along the path of its transportation, or near their ultimate disposal sites. Hazardous materials are often subject to laws and regulations on the use and handling of such materials and may differ depending on the activity or status of the material.

Institutional Controls (IC) - A restriction on use of, or access to, a site to eliminate or minimize exposure to contaminants of concern. Examples of ICs include deed restrictions, use restrictions, or restrictive zoning.

Natural Attenuation Monitoring (NAM) - A means of conducting site rehabilitation in which natural degradation of media contaminants are monitored for extended periods of time provided that human health, public safety, and the environment are protected.

No Further Action with Conditions (CNFA) - No further assessment or remediation is required at a site provided that certain conditions are met as approved by the lead regulatory agency. Conditional No Further Actions can be granted to sites that employ ICs and/or ECs as part of the site rehabilitation strategy.

No Further Action without Conditions (NFA) - No further assessment or remediation is required at a site. No contaminants are present at the site above default or approved alternative clean-up standards.

Petroleum Products - Liquid crude oil derivatives that are derived by distillation, cracking, hydro forming and/or other petroleum refinery processes falling under the description of either "Gasoline Analytical Group," "Kerosene Analytical Group" or "Used Oil" as defined in Florida Administrative Code (FAC) 62-770.200(24), (29) and (64), respectively. These materials include, but are not limited to: leaded and unleaded gasoline, gasohol, aviation and jet fuels, diesel fuel, kerosene, new or used motor oil, hydraulic fluid, and gear oil.

Potential Hazardous Material or Petroleum Contamination Site - A potential hazardous material or petroleum contamination site is a parcel of land upon which hazardous materials or petroleum products are produced, stored, accumulated, used, or disposed of. These sites typically include existing or former gasoline stations, dry cleaners, auto repair facilities, and other businesses where hazardous substances or petroleum product are present. The presence of hazardous substances and/or petroleum products does not mean that contamination is present, but merely indicates that the potential for contamination exists if the materials are not handled or disposed of properly.

Remedial Action Plan (RAP) - A plan that details a means by which contamination may be cleaned up.

Site Assessment Report (SAR) - Summarizes all tasks that were implemented pursuant to the Contamination Assessment.

Site Rehabilitation Complete Report (SRCR) - A report that describes that cleanup goals have been met.

Site Rehabilitation Completion Order (SRCO) - An order issued by the lead regulatory agency that approves the SRCR. No further assessment or remediation activities need to be conducted at the site once an SRCO has been issued unless a new release is discovered.

Source Removal (SR) - The removal of free petroleum product or excessively contaminated soil.

Underground Storage Tank (UST) - A storage tank that has been installed below the ground surface that may or may not contain secondary containment or leak detection systems. The FDEP has compiled several database lists that are useful in identifying potential sources of hazardous material or petroleum product contamination.

APPENDIX C

Contamination Risk Rating Descriptions

The contamination potential risk rating system was developed by FDOT and is included in Part 2, Chapter 20 of the PD&E Manual, dated January 14, 2019. The rating system incorporates four levels of risk:

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

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

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

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

APPENDIX D

EDR City Directory Image Report

Boggy Creek Road Widening

Boggy Creek Road
Saint Cloud, FL 34771

Inquiry Number: 6221045.1
October 13, 2020

The EDR-City Directory Image Report

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SECTION

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Findings

City Directory Images

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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Data by

infoUSA[®]

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RESEARCH SUMMARY

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

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FINDINGS

TARGET PROPERTY STREET

Boggy Creek Road
Saint Cloud, FL 34771

Year

CD Image

Source

BOGGY CREEK RD

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2014	pg A7	EDR Digital Archive	
2010	pg A12	EDR Digital Archive	
2005	pg A16	EDR Digital Archive	
2000	pg A23	EDR Digital Archive	
1995	pg A27	EDR Digital Archive	
1992	pg A33	EDR Digital Archive	
1988	-	Polk's City Directory	Street not listed in Source
1983	-	Polk's City Directory	Street not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1975	-	Polk's City Directory	Street not listed in Source
1971	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

Year

CD Image

Source

N NARCOOSSEE RD

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2014	pg. A11	EDR Digital Archive	
2010	pg. A15	EDR Digital Archive	
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2000	pg. A26	EDR Digital Archive	
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1988	-	Polk's City Directory	Street not listed in Source
1983	-	Polk's City Directory	Street not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1975	-	Polk's City Directory	Street not listed in Source
1971	-	Polk's City Directory	Street not listed in Source

City Directory Images

BOGGY CREEK RD 2017

5150 ADKINS, CHARLES M
ALLEN, JOHN
ALLRED, ANCIL
ALVIRIRA, PAULA
AMBERT, FELICIANO
AMMANN, CHRISTINA L
ARCE, SANTO L
BASSETTI, WILLIAM J
BEGGARLY, GAIL G
BEIER, GENEVIEVE B
BENSON, COLLEEN M
BERG, MARY L
BLANCHARD, TIMOTHY J
BOB, JOHNSTON
BRUNELLE, BERKYS
BRUNELLE, HEATHER
CESARE, BEYERLE
COLLINS, JOHN R
CONDE, ELSIE
COURCER, JEANNY M
CSONGEDI, JEREMY
CURRIER, FLOYD E
DAGROSA, ROLAND
DELK, JUSTIN J
DERRYBERRY, HOLLY
DODSON, WILLIAM B
DOING, WILLIAM R
DONLEY, GARY L
DOWNEY, PAUL J
EBHOHIMEN, TIMOTHY
EHRENREICH, DAVID R
EHRENREICH, DAVE
ELQUIST, BERRY
ERICKSEN, CHARLES
FORDHAM, ROBERT T
GIBSON, JON A
GILES, TERA
GILLANI, SYED
GOLD, TYLER R
GRAVES, DONALD
HANSON, DONALD A
HANSON, DUANE A
HARRIS, LINDA
HAWKINS, CONNIE J
HEGEDUS, JOSEPH
HICKMAN, RICHARD D
HINTZ, JUSTIN T
HOWILER, JAMES P
HUFF, VALLIS
JACKSON, JENNA

BOGGY CREEK RD 2017 (Cont'd)

5150 JANSSEN, TIMOTHY E
JANY, TERESA M
JOHNSON, KENNETH C
JOHNSON, TONI
JONES, JUSTEN
JONES, WILLIAM L
KELLY, LINDA
KING, JOHN
KLICE, MARY A
KRINER, DANNY L
LATOUR, MICHEL J
LOVE, RICHARD L
MARQUES, TONY
MARTINEZ, ELUID
MCGUIRE, JOSHUA
MERCER, MICHELLE
MITCHELTREE, DEBORAH S
MONTEZ, GILBERT R
MONTGOMERY, MEAD
MOSLEY, DENNIS
MULLIGAN, SHANE P
NICHOLS, ANNA D
NORVILLE, SAMANTHA D
NOWAK, GREG N
OLSEN, CHRYSTA J
OSCEOLA POOL
OWENS, EVELYNANN
PAREJA, GLORIANA
PASTRANA, ELIZABETH
PAYNE, MICHAEL E
POYER, EUGENE J
RAFFERTY, JOHN A
RHEIN, KATHALEEN
RIVAS, JENNIFER
ROBBINS, KYLE
ROSE, YVETTE T
RUELLE, MARK R
RUWE, WILBUR W
SCHEIDT, ARTHUR C
SCHROEDER, STEPHEN G
SLIMMEN, PAT A
SMITH, CLAYTON T
SMITH, DOUG J
SNYDER, KATHY L
STIERHEIM, TONI L
STONECIPHER, JEFFREY D
SUNDIN, GARY A
SUPAK, DOROTHY M
SWENSON, OMAR
TAYLOR, BETTY L

BOGGY CREEK RD 2017 (Cont'd)

5150 THE FLORIDIAN RV RESORT
 THOMAS, TRAVIS W
 TRACY, GARY R
 TRIMBOLI, MICHAEL C
 VINCENT, ELAINE T
 WANEX, PAUL
 WEATHERHOLTZ, BRUCE P
 WIEBE, JEAN
 WIGHT, ERIC
 WILLHITE, CHRISTOPHER S
 WILLIAMS, THOMAS W
 WOLFE, MELINDA A
 WRIGHT, EDWARD B
 YOHN, DESIREE

5152 ADAMS, ARLENE E
 ANTES, DEBBIE J
 BECHARD, MICHAEL J
 BELIEFF, THOMAS D
 BILLITTERI, ELIZABETH M
 BOLLINGER, NICOLE
 BOYD, PAUL H
 BRISTOW, ROBERT L
 BYLAND, CHARLES D
 CAPANNA, MARGARET J
 CASE, JUD
 COOPER, JOHN
 COUNTS, PAT P
 DEMARS, RUTH A
 EASTMAN, MERVYN
 ECKHOFF, PHILIP C
 EHRENREICH, DAVE
 ELECTRONIC PROTECTION SYSTEMS
 ELICIO, JOSEPH J
 FOURNIER, RICHARD G
 GELISSE, DONALD W
 GOLD, LOUETTE M
 HALL, CHAROLETTE
 HARBER, TOM J
 HAZELWOOD, TARA L
 HEATH, SHERRY P
 HOWARD, KARLA L
 HOWELL, KURT
 JOHNSON, JENNIFER R
 KALTENBAUGH, DOUGLAS J
 KEENE, WINSTON M
 KING, CAROL B
 KING, RAYMOND
 KLING, LOUIS M
 KUHNS, ALLYN
 LEMMON, CARSON

BOGGY CREEK RD 2017 (Cont'd)

5152 MARCINIAK, TRACY L
MCFALL, DANIEL A
MCKEOWN, JAMES J
MESSENGER, FRANKLIN R
MICHAELS, LINDA M
MIGLIACCIO, CORY A
MIGLIACCIO, LEONARD J
MIGLIACCIO, LUCY J
MOORE, ANGELA G
MORGAN, DON C
NELSON, LARRY D
PALMER, RALPH
PROFESSIONAL CONSTRUCTION & DEVELOPM
PYLES, DANNY N
QURA, MOHDAMIN A
ROWLAND, WALTER N
SEAMAN, STEPHEN F
SEVERSON, SCOTT A
SOUTHERLAND, TESSELA
STANLEY, RAYMOND R
STIERHEIM, MITCHELL L
STONE, WILLIAM J
STURGILL, DEBORAH J
SZLASA, GREGORY S
TOMPKINS, BRUCE
TORRES, JOSE A
WALLACE, ROBERT R
WEATHERHOLTZ, BURGUNDI
WEAVER, THOMAS J
WILLIAMS, DONALD W
WILLIAMS, GLADYS M
WOITALLA, LEWIS A
5160 BOGGYCREEK
BOGGYCREEK FOOD & GAS COMPANY
CAMPTOWN CONVENIENCE
SUNOCO
UHAUL

N NARCOOSSEE RD 2017

2910 HENRY, ROBERT F
SHEARER, BRENDA M
SHEARER, OSCAR W
2951 WILLIAMS, AGNES M
3025 WELCH, RAYMOND F
3290 1 A1 L O C K SMITH
24 HOUR TOWING
7ELEVEN

BOGGY CREEK RD 2014

5150 ADAMS, ARLENE E
 ADKINS, CHARLES M
 ALVIRIRA, PAULA
 AMBERT, FELICIANO
 ANDERSON, ERICA L
 ARDELL, ALLAN C
 BABCOCK, LISA
 BARRETT, JAMES D
 BASSETTI, TRACY
 BENOIT, ARTHUR R
 BERG, JANICE
 BERG, MARY L
 BLACK, JOHN R
 BOB, JOHNSTON
 BOLLINGER, DAVID T
 BOYD, PAUL H
 CESARE, BEYERLE
 CHAMBERLAYNE, GREG
 COLLINS, JOHN R
 COURTER, JEANNY M
 CURRIER, FLOYD E
 DICKSON, SANDRA C
 DODSON, WILLIAM B
 EBHOHIMEN, TIMOTHY
 EDWARDS, LINDA V
 EINIG, PAULINE T
 ESCHLER, ROBERT E
 FISHBACK, DORIS A
 FLANIGAN, TERESA
 FLIPSE, LORI A
 FLORIDIAN RV RESORT THE
 FORDHAM, ROBERT T
 GILLANI, SYED
 GOLD, TYLER
 HAMILTON, THOMAS L
 HANSON, HAROLD F
 HARBER, TOM J
 HEGEDUS, JOSEPH
 HINTZ, JUSTIN T
 HOLCOMB, DAVID
 HORNING, AFTRED A
 HOWELL, DIANA L
 HUFF, VALLIS
 HUSKINS, BRENDA
 IRIZARRY, JULIO
 JANSSEN, TIM E
 JOHNSON, ANNE
 JONES, WILLIAM L
 KALISH, GLENN R
 KELLY, LINDA

BOGGY CREEK RD 2014 (Cont'd)

5150 KING, DEBORAH D
KLICE, MARY A
KOLLET, STEVEN W
LANUTI, LAWRENCE J
LATOURE, MICHEL J
LYNCH, SUZAN B
MCCUE, LESLEY A
MCDONALD, ROBERT
MCFALL, DANIEL
MCGUIRE, JOSHUA
MCKEOWN, JAMES J
MEER, HARRY
MERCER, MICHELLE
MITCHELTREE, DEBORAH
MONTEZ, GILBERT R
MONTGOMERY, MEAD
MULLIGAN, SHANE
MURPHY, LLOYD K
MYNAHAN, LUCILLE M
NEUNZ, JEFFREY A
NICHOLS, ANNA D
NOBILE, AARON
PARODI, ANTHONY
POOLER, MARJORIE C
PYATT, JAMES
REED, RAYMOND J
RICHARDSON, LEAH
ROBERTS, DAVID S
ROSE, YVETTE T
RUWE, WILBUR W
SALVERDA, MIKE
SCHEIDT, ARTHUR C
SCHROEDER, STEPHEN G
SEAMAN, STEVE
SHAFFER, WILLIAM J
SHEFFIELD, CHRISTINA A
SIMS, JACK B
SLIMMEN, PATRICIA
SMALL, ROBERT J
SMITH, CLAYTON T
STANLEY, RAYMOND R
STONECIPHER, JEFFREY D
SUAACK, DOROTHY M
SWENSON, OMAR
SZLASA, OLIVIA
THORN, RON
TILLEY, EUGENE R
TOMKO, ASHLEY
TRACY, GARY R
TRIMBOLI, MICHAEL C

BOGGY CREEK RD 2014 (Cont'd)

5150 VINCENT, ELAINE T
 WALLACE, BOB
 WEATHERHOLTZ, BRUCE P
 WEAVER, THOMAS J
 WHITAKER, THELMA E
 WIEBE, JEAN
 WIGHT, ERIC
 WILLIAMS, THOMAS W
 WOITALLA, LEWIS A

5152 ANTES, DEBBIE J
 BAXTER, BRUCE K
 BECHARD, MICHAEL J
 BELIEFF, THOMAS D
 BRISTOW, ROBERT L
 BURR, DORIS A
 BYLAND, CHARLES D
 CAMERON, CHARLES
 COLLINS, JOHN R
 COSMAN, BURTON M
 COX, RONALD J
 DARNELL, MARLENE A
 DOCIMO, SECONDO
 DOWNEY, PAUL J
 EASTMAN, MERVYN
 ECKHOFF, PHILIP C
 EHRENREICH, DAVE
 FLIPSE, LORI A
 FORCE, ROBERT J
 FOURNIER, RICHARD G
 GELISSE, DONALD W
 GOLD, LOUETTE M
 HALL, SERENA
 HOLCOMB, MICHAEL J
 HOLMES, GEORGE P
 HOUSE, CHRIS A
 HYNDMAN, BETTY L
 JOHNSON, JENNIFER R
 KALTENBAUGH, DOUGLAS J
 KAZUK, WALTER F
 KEY, WILLIAM M
 KLING, LOUIS M
 KUHNS, RICHARD M
 KURTH, MATT
 LAMPORT, SAMUEL O
 LEONARD, THOMAS E
 MANSFIELD, MAYNARD R
 MESSINGER, MARY L
 MORENO, JEFFREY W
 MORGAN, DON C
 MORGAN, LARRY

BOGGY CREEK RD 2014 (Cont'd)

5152 NELSON, BRIAN S
NELSON, LARRY D
NICHOLS, HARRY R
NOLA, THOMAS
PALMER, CHASE Z
PALMER, JARRETT C
PETERSON, AUDREY S
RODRIGUEZ, MELANIE L
SIMONS, DANIEL J
SOUTHERLAND, TESSIE
STIERHEIM, MITCHELL L
STONE, WILLIAM J
STONECIPHER, CARTER C
STURGILL, DEBORAH J
SZLASA, GREGORY S
TOMEKINS, MARK W
TOMPKINS, BRUCE
WILLIAMS, HENRY E
5160 BOGGYCREEK FOOD & GAS COMPANY
CAMPTOWN CONVENIENCE
CAMPTOWN CONVIENCE
UHAUL

N NARCOOSSEE RD 2014

2900 OCCUPANT UNKNOWN,
2910 SHEARER, OSCAR W
YETMAN, BEATRICE C
2951 OCCUPANT UNKNOWN,
2975 OCCUPANT UNKNOWN,
3025 OCCUPANT UNKNOWN,
3050 OCCUPANT UNKNOWN,
3060 OCCUPANT UNKNOWN,
3155 LAKE AJAY VILLAGE
3290 1 A1 L O C K SMITH
7ELEVEN

BOGGY CREEK RD 2010

5150 ABREU, BETTY
ADAMS, BYRON
ARBEITER, RICHARD M
BAKER, FARRIL
BECHARD, MICHAEL J
BRIGGS, MEGHAN
BROOKS, RAYMOND B
BROUD, LISA A
CAPANNA, MARGARET J
CHEATHAM, JAMES T
CROMWELL, KAREN L
CURRIER, FLOYD
DECKER, DANIEL E
DESHLER, RICHARD E
DIXON, KENNETH J
DODSON, WILLIAM
DOING, WILLIAM R
DONNAN, JUDITH M
DRUMMOND, KRISTINE
DUFRENE, PHIL
EINIG, PAULINE T
FISHBACK, DORIS A
FITZSIMMONS, FRANCES R
FLANDERS-SMITH, C F
FLORIDIAN RV RESORT
FOURNIER, RICHARD G
FOX, JERRY
GOOSEY, KIRK
HADDEN, BRENDA
HARDING, RAY
HEGEDUS, JOSEPH
HINTZ, JUSTIN T
HOLCOMB, DAVID C
HOPKINS, MAURICE R
HORNING, AFTRED A
HUSKINS, IRA
JACK, MURRAY A
JONES, WILLIAM L
KING, DEBORAH D
LANUTI, LAWRENCE
LATOURE, MIKE
LIGHTFOOT, ROBERT
LINDSAY, EDITH R
MARTIN, DAVID
MCCUE, LESLEY
MCMILLAN, DORA L
MEER, HARRY
MERCADO, GERARDO M
MONTGOMERY, MEAD
MORETON, CAROL L

BOGGY CREEK RD 2010 (Cont'd)

5150	MURPHY, LLOYD PERKINS, JON POOLER, MARJORIE C PYATT, JAMES RICHARDS, CARL E ROSE, YVETTE T RUBIN, TABITHA RUELLE, MARK R SARTOR, RICK W SCHALLER, ISABELL SCHEIDT, ARTHUR SCHULTE, DAISY M SEAMAN, STEVE SHANNON, TABITHA R SMITH, GEORGE STONECIPHER, JEFFREY D SUAAK, DOROTHY M SWENSON, OMAR THORN, RON TOMKO, ASHLEY VINCENT, ELAINE WALKER, KENNETH W WALLACE, BOB WALTERS, JACK WEBB, LORAIN WEEDEN, HARRIETTE WHYNACHT, WILLIAM A WILLIAMS, RAYMOND J
5152	ADAMS, ARLENE E ADAMS, ARTHUR J ARDELL, ALLAN C BAXTER, BRUCE BELIEFF, THOMAS D BERG, MARY BLACK, JOHN R BOYD, PAUL H BRAITSCH, TED BRANSFIELD, WILLIAM CHAMBERLAYNE, MARTHA A COLLINS, JOHN R COX, RONALD J CURRIE, BELL R DARNELL, HERBERT E EASTMAN, MERVYN ESCHLER, ROBERT E FORCE, ROBERT J GIBBS, GEORGE W GROENEVELD, KENNETH HAMILTON, THOMAS L HEATH, SHERRY P

BOGGY CREEK RD 2010 (Cont'd)

5152	HEMMINGTON, THEDA E HINE, LAMONT L HOWARD, KARLA J KALISH, GLENN R KAZUK, WALTER F KLING, LOIS M KOLLET, WILLIAM C KURTH, BETH LAMPOR, SAMUEL O LEMMON, CONNIE J LEONARD, THOMAS E MANSFIELD, MAYNARD R MATHIS, STEVEN MCCAFFERY, RANDY W MCFALL, DANIEL A MCKEOWN, JAMES J MICHAELS, LINDA M MILLER, JEAN J MORENO, ANGEL R NELSON, RICHARD NICHOLS, HARRY R PALMER, RALPH J PALMER, TIFFANIE C PECKFORD, JETHRO N PERSONIUS, RICKY L PREDMORE, JOHN M RUNYON, MARY E SEEFELD, TROY J SHAFFER, WILLIAM SIMONS, DANIEL SLAY, DEBRA H STANLEY, RAYMOND R STERRY, PETER STONE, WILLIAM J STURGILL, DEBORAH J SWARTWOOD, JEAN H TOMEKINS, MARK W TOMKINS, BRUCE TURNER, HOPKINS L WALKER, FRANKIE A WALLACE, PAT F WEAVER, KATHERINE M WELLS, RONALD L WHITE, CLARA E
5160	PARKS MINIMART SORRENTO PIZZA

N NARCOOSSEE RD 2010

2900 GARDNER, STEVE S
2910 SHEARER, OSCAR W
YETMAN, BEATRICE R
2951 OCCUPANT UNKNOWN,
2975 OCCUPANT UNKNOWN,
3025 WELCH, RAYMOND F
3050 OCCUPANT UNKNOWN,
3060 AFFORDABLE EMPLOYEE BENEFITS
OCCUPANT UNKNOWN,
3155 LAKE AJAY VILLAGE
3290 7ELEVEN

BOGGY CREEK RD 2005

5150 ADAMS, BYRON
ALLRED, LEE
ALVES, LINDA
AMBRUSTER, JEFF
BAKER TREE SERVICE
BAKER, WALTER E
BARRETT, JAMES D
BECHARD, MICHAEL J
BECKMAN, DAWN
BENOIT, ARTHUR
BLAIN, PAUL
BLANYER, P A
BLISS, NANCY M
BOGNER, ROBERT
BOPP, BRENDA J
BRADSHAW, HENRY G
BRILL, EULANE
BUNKER, SETH
BURCH, ALBERT
CAMERANO, MARIA
CAMP CITY LLC
CARTER, DOUGLAS
CLARK, GEORGE R
COLEMAN, GARY
CONTROL CONCEPTS INC
COPUS, STEWART
CURRIER, FLOYD
DECARLO, A F
DEMARAY, LELAND L
DEVOE, RAE
DICKERSON, CECIL
DODSON, WILLIAM
DONNAN, JUDITH
DRAKE, LARRY
DUFF, CLARA
FERRARA, HARRY
FESSENDEN, LINDA W
FITZSIMMONS, F R
FLORIDIAN RV RESORT THE
FORDHAM, ROBERT T
FOURNIER, RICHARD G
FOX, JERRY
GARDNER, JOHN
GAVERE, L
GELISSE, DONALD W
GIBBLE, KATHY E
GLOVER, DIANN
GODUSKY, MARTIN B
GREER, WILLIAM
GROENEVELD, KENNETH

BOGGY CREEK RD 2005 (Cont'd)

5150 HADDEN, BRENDA
HAMLIN, HARRY
HANIFAN, R
HARBARENKO, RICHARD
HARLAN, DAN L
HASKELL, GLENN
HERSHEY, SYD
HOFFER, JAY
HORNING, AFTRED A
HOWARD, GERALD
HOWELL DIANA
HOWELL, DIANA A
HUGHES, ALLEN
HUSKINS, IRA
HYDE, ARNOUT C
IRIZARRY, JULIO
JACK, MURRAY A
JEDREY, PAUL
JOHNS, FREDRICKA
JOHNSON, KAY I
JONES, GLENN P
KALISH, GLENN R
KELLY, LINDA
KENNETT, ALDEN R
KERKER, JOSEPH
KING, DEBORAH D
KITTING, ROBERT W
KREBBEKS, VINCENT B
KULL, JEAN
KIWIATKOWSKI, ANNE
LAFLAMME, B
LAYTON, MICHAEL
LETH, DAVID
LIMBAUGH, ROBERT
LINDSAY, EDITH R
MAGICKALSPIRIT CO
MAGICKALSPIRIT COM
MARK R RUELLE TREE TRIMMING
MAUTINO, NANETTE
MCCORMACK, DONALD
MCGAUGHEY, KEITH
MCKEOWN, JAMES J
MCNALLY, CYNTHIA
MEEKS, DAVID
MICHAEL BECHARD INC
MOELLER, SHEILA
MONTGOMERY, BETTY
MOREHOUSE, RONALD H
MOSS, JAMES
MULLIGAN, LINDA

BOGGY CREEK RD 2005 (Cont'd)

5150 MURPHY, LLOYD
ODONNELL, LUANNE
OLREE, ADRIAN R
OSTEEN, KATHY
OZEBEK, DOUG R
PIERCE, JACK
POOLER, M C
POYER, M
PYATT, PATRICIA
RADLOFF, JOHN
RAKIJASIC, ERIC
REAVELY, RONALD A
REGNIER, R
REID, ALAN
RICHARDS, CARL E
ROBERTS, RALPH E
ROBINSON, GLENN
RODMAN, WAYNE
ROGERS, IRA
RUELLE, JACQUELINE V
RUSH, VICKY
RUWE, WILBUR W
SANKEY, FRED
SANTIAGO, STEVEN M
SCHLENKERT, THOMAS
SCHOONOVER, GEORGE
SCHULTE, DAISY M
SEARCY, FRED H
SHIPOS, LOUIS
SIMON, EARL
SIMONS, JAMES E
SLIMMEN, DONALD
STEPHENS, PAUL
STONE, HERBERT
STRACHAN, SHANDA
STRUBIN, JEAN
STUBBS, RONALD V
SUEDERICK, MARIE
TERRY, JOHN
TILLEY, EUGENE R
TIM HUSS FURNITURE
TIM HUSS FURNITURE INC
TULK, ROBERT
TURNER, JAMES
VADNAIS, LORI
VANSICKLE, ROBERT
WAGNER, MONIKA A
WALKER, A
WALTERS, JACK
WEEDEN, HARRIETTE

BOGGY CREEK RD 2005 (Cont'd)

5150 WHITLOCK, GEORGE
 WIGGINS, F
 WIGHT, DALE
 WILLIAMS, JOHN
 WORONIECKI, MARY A

5152 ADAMS, BRIAN N
 AGNEW, ROBERT H
 ANDERSON, KEN L
 ARCHAMBAULT, D
 ARDELL, ALLAN C
 BARFIELD, ONA M
 BECKER, RONALD R
 BLACK, JOHN R
 BLUHM, JIM H
 BODE, RAY
 CAPANNA, BRUNO M
 CASSADAY, DAVID A
 CHAMBERLAYNE, FRANK W
 COSMAN, BURTON M
 COX, GEORGE J
 DARNELL, HERBERT A
 DEMARS, RUTH A
 DIEHL, CRAIG A
 DON WILLIAMS MOBILE HOME REPAIR & SU
 EASTMAN, MERVYN
 ESCHLER, ROBERT
 FORCE, SHIRLEY
 GAUDINO, JOSEPH
 GIBBS, GEORGE W
 GOLD, TROY S
 GOODINGS, EVELYN M
 GREENFIELD, CATHY
 HAMILTON, T
 HASKELL, WILLIAM M
 HEMMINGSON, THEDA
 HINE, LAMONT
 HOPKINS, STEPHEN E
 HORNEY, WILLIAM D
 JACOBS, MORRIS D
 JOHNSON, TARA
 KAZUK, WALTER F
 KLING, RODNEY D
 KONIS, THEO I
 LEMMON, C J
 LEONARD, THOMAS E
 LOY, R
 LYTWYN, VELVA S
 MCCAFFERY, RANDY W
 MILLER, JEAN J
 MITCHELL, GLORIA

BOGGY CREEK RD 2005 (Cont'd)

5152 MONAN, HELEN I
 MOODT, CARL
 MORENO, J W
 MORGAN, JANET M
 MUELLER, FRED
 NELSON, MORRIS A
 NELSON, RICHARD
 NONNENMACHER, RICHARD F
 PALMER, RALPH J
 PARRIS, ALVIE C
 PATTEN, DAVID H
 PATTERSON, DEBBIE
 PECKFORD, JETHRO N
 PIERCE, DONALD
 POWELL, RICHARD C
 PROUTY, MINNIE C
 REARDON, RON A
 REAVLEY, RONALD
 ROBERTSON, ELIZABETH D
 ROMANO, MARY
 ROY, LARRY J
 SARGENT, RALPH S
 SHAFFER, WILLIAM
 SOUTHERN STAR CONCESSION
 STANLEY, RAYMOND R
 STONE WILLIAM J
 STONE, JOE W
 STRINGEFELLOW, DICK
 STRINGFELLOW, DICK A
 SWART, MEL L
 SWARTWOOD, JEAN H
 TAYLOR, HAROLD
 TEETER, DONALD D
 TOMPKINS, WILLIAM
 TURNEY, HOPKINS L
 VANDEWALLE, PATRICIA A
 VANEERD, SOPHIA T
 VANHEEK, STELLA M
 WALKER, FRANKIE A
 WARDEN, HARRIETTE R
 WATERHOUSE, CHARLES L
 WEAVER, KATHERINE M
 WELLS, RONALD L
 WHETTER, MALCOLM
 WILD GARDENS ZOOLOGICAL PARK INC
 WILLIAMS, BRUCE E
 WILLIAMS, WENDELL
 WILLS, REVA B
 WINSTON, RICHARD S
 WOITALLA, DANIEL

BOGGY CREEK RD 2005 (Cont'd)

5152 WORTHAM, WILLIAM
5160 CAMPTOWN CNVNNC STORE & GSLN
CAMPTOWN CONVENIENCE STORE
RAMJAS CORP

N NARCOOSSEE RD 2005

2900 GARDNER, STEVE S
2910 YETMAN, WILLIAM R
2951 SCOTT, WILLIAM D
2975 HEALY, JOSEPH C
3025 WELCH, RAYMOND F
3050 MCMANUS, KRISTY A
3060 TARPLEY, JACK C
3290 7 ELEVEN STORES

BOGGY CREEK RD 2000

5150 CAMP CITY OF ORLANDO RV RESORT INCORPORATED
D A SMITH CONCRETE

5152 AGNEW, ROBERT H
ANDERSON, KENNETH
ARDELL, ALLAN
BILINOVICH, JOHN
BLACK, JOHN R
BLACK, W
BLUHM, ARTHUR R
BODE, HERB
BODE, RAY
BROWER, P
BROWN, C
BROWN, ERNEST
CAPANNA, BRUNO
CARTE, DANIEL
CHAMBERLAYNE, FRANK W
CHAMBERS, THOMAS
CLARK, DEAN
CLARK, WILLIAM E
COOPER, LOUISE F
COSMAN, BURTON
COX, GEORGE J
CURRIE, RALPH C
DARNELL, HERBERT
DEMPSEY, JAMES A
EASTMAN, MERVYN
FLETCHER, DAVID
FRALEY, JOHN W
GARLAND, KENNETH
GAUDINO, JOSEPH
GIBBS, GEORGE
GOODINGS, EVELYN
HASKELL, WILLIAM
HEATH, RONALD M
HEMMINGSON, LAVERNE B
HILL, KENNETH O
HINE, LAMONT
HOLT, TERRY
JACOBS, MORRIS D
JOHNSON, ELLA
JOHNSON, HOWARD E
KAZUK, WALTER F
KIDD, DONNA M
KIRALY, ALBERT
KLING, RODNEY
KOLLET, KENNETH K
KONIS, T
LOBBAN, G A
LOKKEN, RICHARD

BOGGY CREEK RD 2000 (Cont'd)

5152 LOW, DOUGLAS R
 LYTWYN, V
 MANNES, THERESA
 MCCAFFERY, DENNIS
 MCKEOWN, JAMES J
 MILLER, ROBERT G
 MITCHELL, ALBERT P
 MITCHELL, C
 MONAN, HELEN
 MOODT, CARL
 MORGAN, JANET M
 MUELLER, FRED
 MUELLER, TOM
 NELSON, MORRIS A
 NICHOLS, HARRY R
 NONNENMACHER, RICHARD F
 PARRIS, A C
 PATTERSON, FLOYD A
 PECKFORD, JETHRO N
 PICCHIARINI, KELLY
 PIERCE, DONALD
 PIERCE, WILLIAM J
 POOLER, GEORGE M
 PROUTY, EVERETT
 QUINN, CHARLES H
 REARDON, RON
 ROBERTSON, REED
 ROMANO, MARY
 ROY, LARRY
 SARGENT, N F
 SARGENT, RALPH S
 SISSON, JAMES L
 STANLEY, RAYMOND
 STEGEN, NORMAN
 STONE, JOE
 SWART, MEL
 SWEAT, DEBRA
 TEETER, DONALD D
 THORNTON, ROBERT C
 TURI, JULIUS
 VANEERD, MARTIN
 VANHECK, GERRIT
 VANSLYKE, JULIA B
 VODDEN, ROY A
 WARD, R E
 WARDEN, H R
 WATERHOUSE, CHARLES
 WEAVER, K M
 WEST, DENNIS
 WHETTER, MALCOLM

BOGGY CREEK RD 2000 (Cont'd)

5152 WILLS, REVA B
WOITALLA, LEWIS A
5160 BRAZZELIS GOURMET TAKEOUT
CAMPTOWN CONVENIENCE STORE

N NARCOOSSEE RD 2000

2900	GARDNER, STEVE
2910	YETMAN, WILLIAM R
2951	SCOTT, JO ANNE
2975	HEALY, CHRIS
3025	WELCH, RAYMOND F

BOGGY CREEK RD 1995

4385 BEUMEL, BRENT A
4558 HALL, C G
4570 KISSCO CONSTRUCTION CO
5150 ADAMS, BYRON A
ADROUNIE, E R
ARMSTRONG, DONALD
BAKER, WALTER E
BARCHAM, DORIS
BECKER, NORMAN
BENOIT, ARTHUR R
BERSHING, RICHARD W
BODE, HERB
BRABHAM, WILLIAM N
BRADFORD, MARCUS C
BRADSHAW, HENRY G
BRINK, T
BROWN, C
BRUNER, V
BUCKNER, DAVID L
CALHOUN, JAMES
CAMP CITY OF ORLANDO RV RESORT
CANNING, LILLIAN
CAPANNA, M
CARPENTER, KELSEY K
CARTER, FELIX
CIKOVIC, DENNIS P
CLARK, DEAN
CLARK, GEORGE R
COITE, ROBERT
COLON, WILMA
COPPINGER, FLOYD
CORDLE, B G
COTE, ARTHUR J
CRAMER, JOHN G
CRYER, DAVID W
CURRY, GARY
DAY, RUDOLF R
DELLINGER, CHARLES E
DISBROW, EVELYN
DONNAN, ROGER
DOVER, ROBERT K
DUNSTER, REG
EASLER, RAMONA
EDWARDS, D
ERWIN, WILLIAM A
EVANS, FRANK
FAULKNER, P
FITZSIMMONS, F R
FLORES, LINDA
FRALEY, JOHN W

BOGGY CREEK RD 1995 (Cont'd)

5150 GARRISON, JAMES P
GELISSE, DONALD W
GIBBLE, MARLIN
HAMLIN, A L
HARLAN, DAN
HARMAN, GREGORY L
HASKELL, GLENN
HAYS, JHESTER
HERTEL, LEONARD
HICKERSON, E A
HOLTON, A D
HORNING, ELEANOR T
HULL, MIRANDA
HUMASON, ELWOOD
HUNT, MAURICE
HUNT, R
HYDE, ARNOUT C
JARNIGAN, F E
JOHNSON, LEROY O
JUDKINS, THOMAS L
KEISER, WESLEY
KENNETT, ALDEN
KLING, V E
KLING, VESTAL S
KRAATZ, ROGER L
LAFLAMME, ANDREW E
LAMB, JEFFREY
LETH, DAVID
LILJEGREN, ROGER M
LILJEGREN, VIVIAN
LLOYD, FRANK
LOGAN, J W
MASON, DONALD W
MCDOLE, JAMES
MCKEOWN, JAMES
MEURER, JAMES S
MILLER, ROBERT G
MORGAN, JANET
MULLER, PAUL
MYERS, MERVIN P
NELSON, DEL
NOGGLE, RUSSELL A
OSBORN, G R
PALMER, MERLE F
PARIS, WILLIAM E
PARKER, EDWARD
PARKS, ROBERTA
PATRICK, DONALD J
RHODES, DALLAS
RHODES, DALLAS D

BOGGY CREEK RD 1995 (Cont'd)

5150 RODMAN, WAYNE
RUMSEY, JAY M JR
RUWE, WILBUR
RUWE, WILBUR W
SALVERDA, MIKE
SANDERS, BILL
SCANLON CUSTOM ENTERPRISE INC
SCHLENKERT, THOMAS F
SCHULTZ, ROBERT
SHONTZ, CHARLES J
SILBERNAGLE, EDWIN
SMITH, MURDOCH
SOULE, SAMUEL J
STACK, M
STALEY, ROBERT
STANLEY, ROBERT
STENBERG, RICHARD B
STEWART, KEVIN
STONE, HERBERT F SR
STRUBEN, J C
THOMAS, BOBBY
TOMPKINS, WILLIAM
TURNER, GLENDON C
VAUGHAN, GERALD
WALKER, DENNIS R
WALKER, STEPHEN
WETZEL, RICHARD M
WOODALL, WILLIAM
ZAND, WILLIAM
ZIETZ, RICHARD D

5151 HARMAN, GREGORY J
5152 AGNEW, ROBERT H
ALBERTI, RICHARD H
ANDERSON, KENNETH
ARCHAMBAULT, RALPH
ARDELL, ALLAN
BANNERMAN, COLES
BILINOVICH, JOHN
BLACK, CAROL Y
BLACK, JOHN R
BLUHM, ARTHUR R
BODE, RAY
BUSH, D E
CADE, BARBARA
CAPANNA, BRUNO
CHAMBERLAYNE, FRANK W
CHAMBERS, THOMAS
CHRISTIANSON, ROMAYNE
COOPER, LOUISE
COOPER, LOUISE F

BOGGY CREEK RD 1995 (Cont'd)

5152 COSMAN, BURTON
COX, GEORGE J SR
COX, RONALD J
CURRIE, RALPH
CURRIE, RALPH C
DEMPSEY, ROBERT K SR
DUNN, CRAIG J
FLETCHER, DAVID
FRASER, DUANE
GAUDINO, JOSEPH
GILLIS, M
GILLIS, MARY N
GOODINGS, EVELYN
HEMMINGSON, LAVERNE
HEMMINGSON, LAVERNE B
HILL, KENNETH O
HOPKINS, STEVE E
HOUSKNECHT, LEO
HYDE, ARNOUT
JACOBS, MORRIS
JERDON, VELMA
JOHNSON, HOWARD E
KAZUK, WALTER
KAZUK, WALTER F
KERLIN, GEORGE F
KIRALY, ALBERT
KLING, RODNEY
KOLLET, KENNETH K
KONIS, T J
LOBBAN, G A
LOKKEN, RICHARD
LYTWYN, V
MARK, VERNON
MILLER, ELLESE
MITCHELL, ALBERT P
MOODT, CARL JR
MUELLER, FRED
MUELLER, TOM SR
NASH, ROBERT R
NELSON, MORRIS A
NICHOLS, HARRY R
NONNENMACHER, RICHARD F
NOUD, BERNARD P
PARRIS, A C
PECKFORD, JETHRO N
PERRY, EARL F
PIERCE, DONALD
PIERCE, WILLIAM J
PIERCE, WM J
PINE, JEAN

BOGGY CREEK RD 1995 (Cont'd)

5152 PINE, SAM
POOLER, GEORGE M
POOLER, GEORGE N
PROUTY, EVERETT
PROUTY, EVERETT A
QUINN, CHARLES H
ROBERTSON, REED
RODEBAUGH, EDWARD G SR
ROMANO, M
ROSZELL, SILAS B
SARGENT, N F
SARGENT, RALPH S
SISSON, JAMES L
STANLEY, RAYMOND
STEGEN, NORMAN
STONE, JOE
STUENKEL, E E
SWART, MEL
TAFREIREN, ANDREW C
TEETER, DONALD D
THORNTON, R C
TODD, WILLIAM G
TURI, JULIUS
TURNEY, HOPKINS L
VANSLYKE, JULIA B
VODDEN, ROY A
WATERHOUSE, CHARLES
WEAVER, K M
WHETTER, MALCOLM
WILLS, REVA B
WOITALLA, LEWIS A
5160 CAMPTOWN CONVENIENCE STORE

N NARCOOSSEE RD 1995

2900	GARDNER, STEVE
2910	SHEARER, OSCAR
2951	OCCUPANT UNKNOWNN
2975	SIMPSON, GARY
3025	WELCH, RAYMOND F

BOGGY CREEK RD 1992

1510 NCNB NATIONAL BANK
 1515 CITY ROSE HL CEMTRY
 1875 AMERICAN CANCER SOC
 VOLUNTEER CENTER
 1900 ACUPUNCTURE CENTER
 1983 CERTIFIED ENTERPRIS
 PONDEROSA PK CMPGRD
 RACETRAC PETROLEUM
 2275 IGLESIA BAUTISTA
 2280 TEXACO FOOD MART
 2300 BARNETT BANK
 2501 NCNB NATIONAL BANK
 2507 KISSIMMEE FLORIST
 PRIME TIME HM VIDEO
 RITE AID PHARMACY
 2509 CHEM-DRY
 SHIP 'N PLUS
 2523 BVL PROFSNL CLEANER
 2531 B V L PHARMACY
 2533 LANDSTAR HOMES
 2541 LEMAY'S PIZZA SUBS
 2543 REGAN M E DDS PA
 2547 TENDER LOVING CARE
 2553 ROSIES PUB
 2555 OSCEOLA PHYSICAL TH
 2591 LIL CHAMP FOOD STRE
 2658 AYOTTE NANCY C MD
 3285 GROUND IMPROVEMENT
 3491 AUTO & R V SERVICE
 3615 BOGGY CREEK BRMLADS
 5150 ADAMS, BYRON A
 ADROUNIE, E R
 ALUMBAUGH, B J
 ARMSTRONG, DONALD
 BAKER, WALTER E
 BENOIT, A
 BENOIT, ARTHUR R
 BERSHING, RICHARD W
 BODE, HERB
 BODE, RAY
 BOJCZUK, STEVE
 BRADFORD, MARCUS C
 BRINK, T
 BUCKNER, DAVID L
 CADE, GARY
 CANNING, LILLIAN
 CARPENTER, KELSEY K
 CARTER, FELIX
 CAUSBY, RHONDA
 COPPINGER, FLOYD

BOGGY CREEK RD 1992 (Cont'd)

5150 CORDLE, B G
CORDRAY, J
COTE, ARTHUR J
COZINE, CHARLES J
CRAMER, JOHN G
CRYER, DAVID W
DAY, RUDOLF R
DELLINGER, CHARLES E
DONNAN, ROGER
DOVER, ROBERT K
DUNSTER, REG A
ELWARD, MORRIS
ERWIN, WILLIAM A
EVANS, FRANK
FELL'S COVE RV RESORT
FITZSIMMONS, F R
FRALEY, JOHN W
FUNKHOUSER, RICHARD N
GARRISON, JAMES P
GARVEY, L
HAMLIN, A L
HAYS, JHESTER
HEMINWAY, WALTER C
HERTEL, LEONARD
HICKERSON, E A
HOLTON, A D
HORNING, ELEANOR T
HULBERT, WAYNE
HYDE, ARNOUT C
JARNAGIN, F E
JOHNSON, LEROY O
KEISER, WESLEY
LAFLAMME, ANDREW E
LILJEGREN, ROGER M
LOFSTROM, HARLEY J
LOGAN, J W
LOMBARDI, MARK
MAYER, M T
MEURER, JAMES S
MILLER, ROBERT G
MYERS, MERVIN P
NOUD, B
OLMSTED, M T
OSBORN, G R
PALMER, MERLE F
PARKS, PAUL
ROCKWELL, MILTON E
RODMAN, WAYNE
RUMSEY, JAY M JR
RUWE, WILBUR W

BOGGY CREEK RD 1992 (Cont'd)

5150 SAHARA, PAT
 SALVERDA, MIKE
 SCHLENKERT, THOMAS F
 SCHULTZ, ROBERT
 SHONTZ, CHARLES J
 SMITH, CLANCY
 SMITH, F V
 SMITH, LOU P
 SMITH, MURDOCH
 SOULE, SAMUEL J
 STACK, M
 STENBERG, RICHARD B
 STONE, JOE
 STRUBEN, J C
 TAYLOR, DONALD R
 TEAGUE, LESLIE V
 TOMPKINS, WILLIAM
 TURNER, GLENDON C
 WALKER, DENNIS R
 WELCH, RICHARD
 ZAND, WILLIAM

5152 ALBERTI, RICHARD H
 BALL, GERALD M
 BANNERMAN, COLES
 BERTRAM, ALFRED F
 BILINOVICH, JOHN
 BLUHM, ARTHUR R
 BOWERS, JOSEPH A
 BUSH, D E
 CHAMBERLAYNE, FRANK W
 CHAMBERS, THOMAS
 CHRISTIANSON, ROMAYNE
 COOPER, LOUISE F
 COSMAN, BURTON
 COX, GEORGE J SR
 CURRIE, RALPH C
 DUNN, CRAIG J
 FIELD, FRANK K
 FRASER, DUANE
 GAUDINO, JOSEPH
 GOODINGS, EVELYN
 HEMMINGSON, LAVERNE B
 HILL, KENNETH O
 HOUSKNECHT, LEO
 JACOBS, MORRIS
 JANSEN, PHILIP
 JERDON, VELMA
 JOHNSON, HOWARD E
 KAZUK, WALTER F
 KERLIN, GEORGE F

BOGGY CREEK RD 1992 (Cont'd)

5152	KING, ALLAN H KIRALY, ALBERT KLING, RODNEY KONIS, T J LIPGENS, LILLIAN LOBBAN, G A LOKKEN, RICHARD LYTWYN, V MARK, VERNON MITCHELL, ALBERT P MOODT, CARL JR MUELLER, TOM SR NASH, ROBERT R NICHOLS, HARRY R NONNENMACHER, RICHARD F NOUD, BERNARD P PECKFORD, JETHRO N PINE, JEAN PINE, SAM POOLER, GEORGE M QUINN, CHARLES H ROBERTSON, REED RODEBAUGH, EDWARD G SR ROMANO, M ROSZELL, SILAS B SARGENT, N F SARGENT, RALPH S SISSON, JAMES L STEGEN, NORMAN STUENKEL, E E SWART, MEL TAFFEIREN, ANDREW C TEETER, DONALD D TENNY, GEORGE W THORNTON, R C TODD, WILLIAM G TURI, JULIUS TURNEY, HOPKINS L URSACKI, KEN VANSLYKE, JULIA B VODDEN, ROY A WATERHOUSE, CHARLES WEAVER, C R WHETTER, MALCOLM WILLS, REVA B WOITALLA, LEWIS A
5160	CAMPTN CONVENIENCE
51505	CLARK, GEORGE R
515082	JUDKINS, THOMAS L
515210	BLACK, JOHN R

BOGGY CREEK RD 1992 (Cont'd)

515214 PROUTY, EVERETT
515216 ARCHAMBAULT, RALPH
515218 DEMPSEY, ROBERT K
MILLER, ELLESE
MUELLER, FRED
515219 AGNEW, ROBERT H
NELSON, MORRIS A
515230 PIERCE, DONALD
PIERCE, WILLIAM J
515240 FLETCHER, DAVID
515243 BARFIELD, ONA
515245 KOLLET, KENNETH K

N NARCOOSSEE RD 1992

2900	GARDNER, STEVE
2910	YETMAN, WILLIAM R
2951	SCOTT, JO A
3025	WELCH, RAYMOND F

APPENDIX E

EDR Certified Sanborn Map Report

Boggy Creek Road Widening

Boggy Creek Road

Kissimmee, FL 34744

Inquiry Number: 6221036.5

October 13, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/13/20

Site Name:

Boggy Creek Road Widening
Boggy Creek Road
Kissimmee, FL 34744
EDR Inquiry # 6221036.5

Client Name:

Geotechnical & Env. Cons., Inc
919 Lake Baldwin Lane
Orlando, FL 32814-0000
Contact: Lisa Messing



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

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Certified Sanborn Results:

Certification # E86C-4CF8-BC27

PO # 4636E

Project 4636E

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: E86C-4CF8-BC27

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

The Sanborn Library LLC Since 1866™

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APPENDIX F

EDR Radius Map Report with GeoCheck



Boggy Creek Road Widening

Boggy Creek Road

Kissimmee, FL 34744

Inquiry Number: 6221036.8s

October 09, 2020

EDR Area / Corridor Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

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

SUBJECT PROPERTY INFORMATION

ADDRESS

BOGGY CREEK ROAD
KISSIMMEE, FL 34744

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

STANDARD ENVIRONMENTAL RECORDS

Federal ERNS list

ERNS: Emergency Response Notification System

A review of the ERNS list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 ERNS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported NRC Report #: 529842 Incident Date Time: 2000-05-23 11:34:00	5150 BOGGY CREEK ROA	B5 / 9	37

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

SWF/LF: Solid Waste Facility Database

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<i>FLORIDA STERLING INV</i> Database: SWF/LF, Date of Government Version: 07/13/2020 Facility-Site Id: 97757 Class Status: COMPLAINT UNDER INVESTIGATION (L)	<i>3600 BOGGY CREEK RD</i>	<i>F17 / 7</i>	<i>67</i>

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Petroleum Contamination Detail Report

A review of the LUST list, as provided by EDR, and dated 07/27/2020 has revealed that there is 1 LUST site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 Discharge Cleanup Status: RA - RA ONGOING Facility Status: OPEN Facility-Site Id: 8731776	3280 BOGGY CREEK RD	D12 / 7	44

State and tribal registered storage tank lists

UST: Storage Tank Facility Information

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 Database: UST, Date of Government Version: 08/08/2020 Tank Status: U Facility-Site Id: 8731776 Facility Status: OPEN	3280 BOGGY CREEK RD	D12 / 7	44

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

SPILLS: Oil and Hazardous Materials Incidents

A review of the SPILLS list, as provided by EDR, and dated 06/30/2020 has revealed that there is 1 SPILLS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported OHMIT Incident Number: 7740 Incident Status: Closed	CAMP CITY 5150 BOGGY	C8 / 9	42

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that

EXECUTIVE SUMMARY

there are 3 RCRA NonGen / NLR sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
FLORIDIAN RV RESORT EPA ID:: FLR000129056	5150 BOGGY CREEK RD	C7 / 9	38
CIRCLE K #7466 EPA ID:: FLD984254300	3280 BOGGY CREEK RD	D12 / 7	44
T & W ENTERPRISES EPA ID:: FLR000063867	3485 BOGGY CREEK RD	E15 / 7	62

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 02/03/2020 has revealed that there are 20 FINDS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
FELL'S LANDING Registry ID:: 110044260297	UNKNOWN	1 / 9	35
NARCOOSSEE RD - BOGG Registry ID:: 110038334638	NARCOOSSEE RD & BOGG	3 / 9	36
INTERSECTION OF BOGG Registry ID:: 110060356920	UNKNOWN	A4 / 7	36
RAINTREE PHASE 2 Registry ID:: 110032768725	BOGGY CREEK RD	C6 / 9	37
CIRCLE K #7466 Registry ID:: 110007464234	3280 BOGGY CREEK RD	D12 / 7	44
SANATAN TEMPLE Registry ID:: 110027853605	3437 BOGGY CREEK RD	13 / 7	60
SANATAN TEMPLE Registry ID:: 110037311487	3473 BOGGY CREEK RD	E14 / 7	61
T & W ENTERPRISES Registry ID:: 110005278216	3485 BOGGY CREEK RD	E15 / 7	62
EAST LAKE PRESERVE A Registry ID:: 110070045939	3600 BOGGY CREEK RD	F18 / 7	69
HIGH SCHOOL FFF Registry ID:: 110069994486	3675 BOGGY CREEK RD	G20 / 7	70
NORTH SHORE (LOTS 76 Registry ID:: 110038521276	BOGGY CREEK RD & HOL	H21 / 7	70
NORTHSHORE VILLAGE S Registry ID:: 110035534080	BOGGY CREEK RD & HOL	H22 / 7	71
SPRINGLAKE VILLAGE P Registry ID:: 110035449020	BOGGY CREEK RD AT SP	H23 / 7	71
NORTH POINT Registry ID:: 110032798373	BOGGY CREEK RD	I24 / 8	72
RAWTREE AT SPRINGLAK Registry ID:: 110021019618	BOGGY CREEK RD	I25 / 8	72
TURNBERRY RESERVE	BOGGY CREEK RD	I26 / 8	73

EXECUTIVE SUMMARY

Registry ID:: 110020539103			
TURNBERRY RESERVE UN	BOGGY CREEK ROAD & T	I27 / 8	73
Registry ID:: 110020164454			
AUSTIN TINDALL REGIO	4100 BOGGY CREEK RD	J28 / 8	74
Registry ID:: 110054128920			
AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	J29 / 8	74
Registry ID:: 110070163527			
BOGGY CREEK RD IMPRO	UNKNOWN	H31 / 7	76
Registry ID:: 110043751008			

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/27/2020 has revealed that there are 17 ECHO sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
FELL'S LANDING	UNKNOWN	1 / 9	35
Registry ID: 110044260297			
NARCOOSSEE RD - BOGG	NARCOOSSEE RD & BOGG	3 / 9	36
Registry ID: 110038334638			
INTERSECTION OF BOGG	UNKNOWN	A4 / 7	36
Registry ID: 110060356920			
RAINTREE PHASE 2	BOGGY CREEK RD	C6 / 9	37
Registry ID: 110032768725			
CIRCLE K #7466	3280 BOGGY CREEK RD	D12 / 7	44
Registry ID: 110007464234			
SANATAN TEMPLE	3437 BOGGY CREEK RD	13 / 7	60
Registry ID: 110027853605			
SANATAN TEMPLE	3473 BOGGY CREEK RD	E14 / 7	61
Registry ID: 110037311487			
T & W ENTERPRISES	3485 BOGGY CREEK RD	E15 / 7	62
Registry ID: 110005278216			
EAST LAKE PRESERVE A	3600 BOGGY CREEK RD	F18 / 7	69
Registry ID: 110070045939			
HIGH SCHOOL FFF	3675 BOGGY CREEK RD	G20 / 7	70
Registry ID: 110069994486			
NORTH SHORE (LOTS 76	BOGGY CREEK RD & HOL	H21 / 7	70
Registry ID: 110038521276			
RAWTREE AT SPRINGLAK	BOGGY CREEK RD	I25 / 8	72
Registry ID: 110021019618			
TURNBERRY RESERVE	BOGGY CREEK RD	I26 / 8	73
Registry ID: 110020539103			
TURNBERRY RESERVE UN	BOGGY CREEK ROAD & T	I27 / 8	73
Registry ID: 110020164454			
AUSTIN TINDALL REGIO	4100 BOGGY CREEK RD	J28 / 8	74
Registry ID: 110054128920			
AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	J29 / 8	74

EXECUTIVE SUMMARY

Registry ID: 110070163527

BOGGY CREEK RD IMPRO

UNKNOWN

H31 / 7

76

Registry ID: 110043751008

CLEANUP SITES: DEP Cleanup Sites - Contamination Locator Map Listing

A review of the CLEANUP SITES list, as provided by EDR, and dated 05/26/2020 has revealed that there is 1 CLEANUP SITES site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 DEP Cleanup Site Key: 63794529	3280 BOGGY CREEK RD	D12 / 7	44

DWM CONTAM: DWM CONTAMINATED SITES

A review of the DWM CONTAM list, as provided by EDR, and dated 07/14/2020 has revealed that there is 1 DWM CONTAM site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 Program Site Id: 8731776	3280 BOGGY CREEK RD	D12 / 7	44

Financial Assurance: Financial Assurance Information Listing

A review of the Financial Assurance list, as provided by EDR, has revealed that there is 1 Financial Assurance site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 Database: Financial Assurance 3, Date of Government Version: 08/08/2020 Facility Status: OPEN Facility ID: 8731776	3280 BOGGY CREEK RD	D12 / 7	44

NPDES: Wastewater Facility Regulation Database

A review of the NPDES list, as provided by EDR, and dated 04/03/2020 has revealed that there are 5 NPDES sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BOGGY TERRACE AND SI Status: A Facility ID: FLR20AS38	3287 BOGGY TERRACE D	A2 / 7	35
OSPREY RIDGE Status: A Facility ID: FLR20BL29		9 / 8	42
FLORIDA STERLING INV Status: A	3600 BOGGY CREEK RD	F17 / 7	67

EXECUTIVE SUMMARY

Facility ID: FLR10QW49			
HIGH SCHOOL FFF	3675 BOGGY CREEK RD	G19 / 7	69
Status: A			
Facility ID: FLR20AY05			
AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	J30 / 8	75
Status: A			
Facility ID: FLR20BT90			

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K STORES INC	3280 BOGGY CREEK RD	D11 / 7	43

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

A review of the RGA LF list, as provided by EDR, has revealed that there is 1 RGA LF site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
KELLY PROPERTY Facility ID: 97757	3600 BOGGY CREEK RD	F16 / 7	67

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

A review of the RGA LUST list, as provided by EDR, has revealed that there is 1 RGA LUST site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
CIRCLE K #7466 Facility ID: 8731776	3280 BOGGY GREEK RD	D10 / 7	43

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<i>WAWA FOOD MARKET #51</i> EPA ID:: FLR000218149	<i>14876 NARCOOSEE RD</i>	<i>N 0 - 1/8 (0.085 mi.)</i>	<i>K39 / 9</i>	<i>103</i>

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

SWF/LF: Solid Waste Facility Database

A review of the SWF/LF list, as provided by EDR, has revealed that there are 4 SWF/LF sites within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<i>HIGH PLAINS DEBRIS M</i> Database: SWF/LF, Date of Government Version: 07/13/2020 Facility-Site Id: 104869 Class Status: INACTIVE (I)	<i>4369 BOGGY CREEK RD</i>	<i>WNW 0 - 1/8 (0.024 mi.)</i>	<i>34 / 8</i>	<i>88</i>
AUSTIN TINDALL PARK Database: SWF/LF, Date of Government Version: 07/13/2020 Facility-Site Id: 98038 Class Status: INACTIVE (I)	AUSTIN TINDALL PARK	S 0 - 1/8 (0.025 mi.)	35 / 8	89
WILLIAMS PIT Database: SWF/LF, Date of Government Version: 07/13/2020 Facility-Site Id: 92570 Class Status: CLOSED, NO GW MONITORING (J)	BOGGY CREEK ROAD & S	ENE 0 - 1/8 (0.077 mi.)	37 / 7	97
JACKSON LANDFILL Database: SWF/LF, Date of Government Version: 07/13/2020 Facility-Site Id: 92572 Class Status: CLOSED, NO GW MONITORING (J)	3050 GUS ROAD	NE 1/4 - 1/2 (0.258 mi.)	40 / 7	107

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: Petroleum Contamination Detail Report

A review of the LUST list, as provided by EDR, and dated 07/27/2020 has revealed that there are 2 LUST sites within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BOGGY CREEK FOOD & G Discharge Cleanup Status: RA - RA ONGOING Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8735337	5160 BOGGY CREEK RD	S 0 - 1/8 (0.019 mi.)	B33 / 9	76
BOB ZIROTS LANDSCAPI Discharge Cleanup Status: NFA - NFA COMPLETE Facility Status: CLOSED Facility-Site Id: 8627080	14645 BOGGY CREEK RD	N 1/4 - 1/2 (0.354 mi.)	41 / 2	108

State and tribal registered storage tank lists

UST: Storage Tank Facility Information

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

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BOGGY CREEK FOOD & G Database: UST, Date of Government Version: 08/08/2020 Tank Status: B Facility-Site Id: 8735337 Facility Status: CLOSED	5160 BOGGY CREEK RD	S 0 - 1/8 (0.019 mi.)	B33 / 9	76
7-ELEVEN FOOD STORE Database: UST, Date of Government Version: 08/08/2020 Tank Status: U Facility-Site Id: 9800841 Facility Status: OPEN	3290 N NARCOOSSEE RD	S 0 - 1/8 (0.044 mi.)	36 / 9	90
WAWA FOOD MARKET# 51 Database: UST, Date of Government Version: 08/08/2020 Tank Status: U Facility-Site Id: 9814935 Facility Status: OPEN	14876 NARCOOSSEE RD	N 0 - 1/8 (0.085 mi.)	K38 / 9	97

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DWM CONTAM: DWM CONTAMINATED SITES

A review of the DWM CONTAM list, as provided by EDR, and dated 07/14/2020 has revealed that there is

EXECUTIVE SUMMARY

1 DWM CONTAM site within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
BOGGY CREEK FOOD & G Program Site Id: 8735337	5160 BOGGY CREEK RD	S 0 - 1/8 (0.019 mi.)	B33 / 9	76

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
RAM JAS CORP	5160 BOGGY CREEK RD	S 0 - 1/8 (0.019 mi.)	B32 / 9	76

MAPPED SITES SUMMARY

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

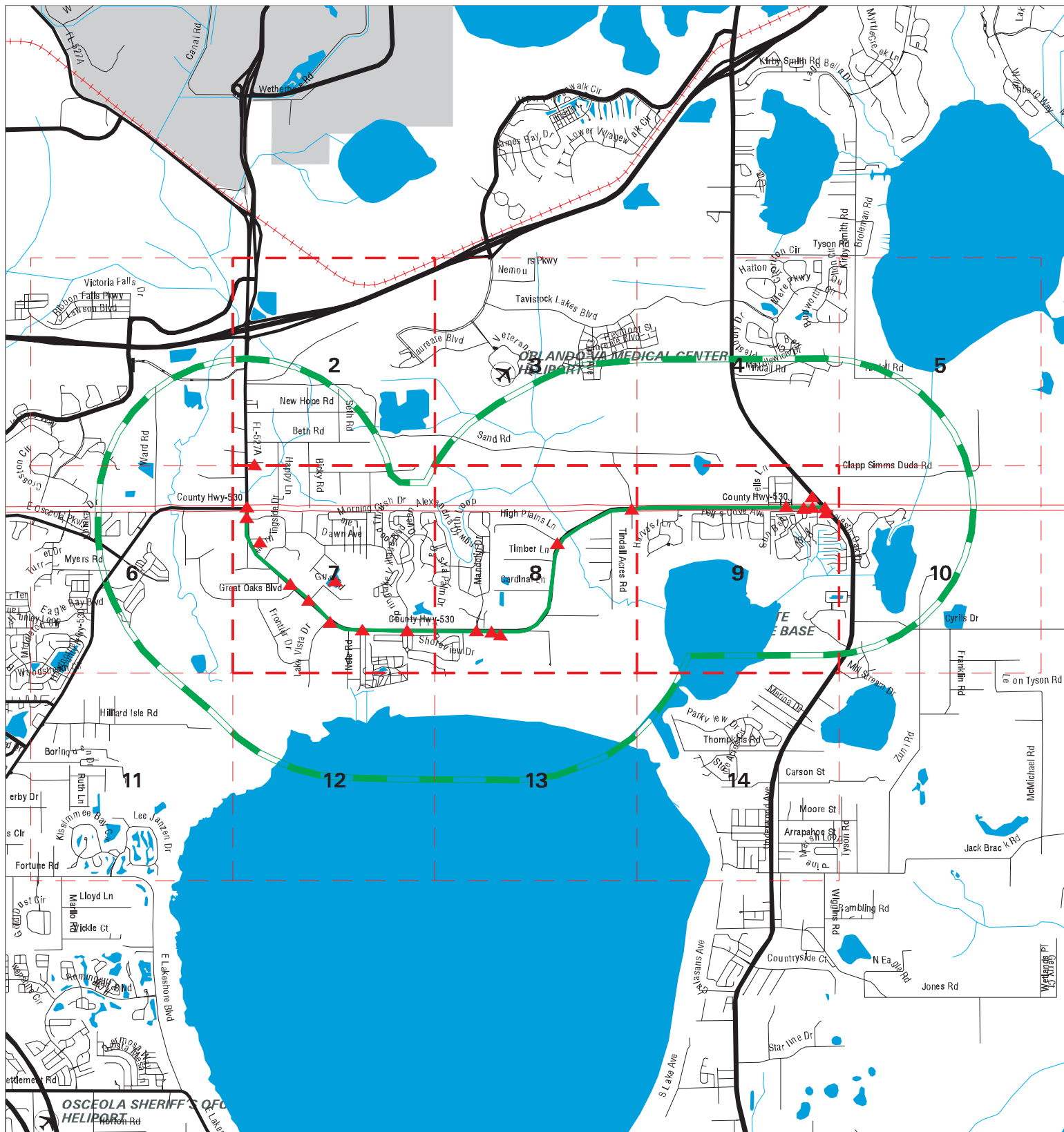
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
1 / 9	FELL'S LANDING	UNKNOWN	FINDS, ECHO	TP		
A2 / 7	BOGGY TERRACE AND SI	3287 BOGGY TERRACE D	NPDES	TP		
3 / 9	NARCOOSSEE RD - BOGG	NARCOOSSEE RD & BOGG	FINDS, ECHO	TP		
A4 / 7	INTERSECTION OF BOGG	UNKNOWN	FINDS, ECHO	TP		
B5 / 9		5150 BOGGY CREEK ROA	ERNS	TP		
C6 / 9	RAINTREE PHASE 2	BOGGY CREEK RD	FINDS, ECHO	TP		
C7 / 9	FLORIDIAN RV RESORT	5150 BOGGY CREEK RD	RCRA NonGen / NLR	TP		
C8 / 9		CAMP CITY 5150 BOGGY	SPILLS	TP		
9 / 8	OSPREY RIDGE		NPDES	TP		
D10 / 7	CIRCLE K #7466	3280 BOGGY GREEK RD	RGA LUST	TP		
D11 / 7	CIRCLE K STORES INC	3280 BOGGY CREEK RD	EDR Hist Auto	TP		
D12 / 7	CIRCLE K #7466	3280 BOGGY CREEK RD	LUST, UST, RCRA NonGen / NLR, FINDS, ECH...	TP		
13 / 7	SANATAN TEMPLE	3437 BOGGY CREEK RD	FINDS, ECHO	TP		
E14 / 7	SANATAN TEMPLE	3473 BOGGY CREEK RD	FINDS, ECHO	TP		
E15 / 7	T & W ENTERPRISES	3485 BOGGY CREEK RD	RCRA NonGen / NLR, FINDS, ECHO	TP		
F16 / 7	KELLY PROPERTY	3600 BOGGY CREEK RD	RGA LF	TP		
F17 / 7	FLORIDA STERLING INV	3600 BOGGY CREEK RD	SWF/LF, NPDES	TP		
F18 / 7	EAST LAKE PRESERVE A	3600 BOGGY CREEK RD	FINDS, ECHO	TP		
G19 / 7	HIGH SCHOOL FFF	3675 BOGGY CREEK RD	NPDES	TP		
G20 / 7	HIGH SCHOOL FFF	3675 BOGGY CREEK RD	FINDS, ECHO	TP		
H21 / 7	NORTH SHORE (LOTS 76	BOGGY CREEK RD & HOL	FINDS, ECHO	TP		
H22 / 7	NORTHSHORE VILLAGE S	BOGGY CREEK RD & HOL	FINDS	TP		
H23 / 7	SPRINGLAKE VILLAGE P	BOGGY CREEK RD AT SP	FINDS	TP		
I24 / 8	NORTH POINT	BOGGY CREEK RD	FINDS	TP		
I25 / 8	RAWTREE AT SPRINGLAK	BOGGY CREEK RD	FINDS, ECHO	TP		
I26 / 8	TURNBERRY RESERVE	BOGGY CREEK RD	FINDS, ECHO	TP		
I27 / 8	TURNBERRY RESERVE UN	BOGGY CREEK ROAD & T	FINDS, ECHO	TP		
J28 / 8	AUSTIN TINDALL REGIO	4100 BOGGY CREEK RD	FINDS, ECHO	TP		
J29 / 8	AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	FINDS, ECHO	TP		
J30 / 8	AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	NPDES	TP		
H31 / 7	BOGGY CREEK RD IMPRO	UNKNOWN	FINDS, ECHO	TP		
B32 / 9	RAM JAS CORP	5160 BOGGY CREEK RD	EDR Hist Auto	100	0.019	South
B33 / 9	BOGGY CREEK FOOD & G	5160 BOGGY CREEK RD	LUST, UST, CLEANUP SITES, DWM CONTAM, Fi...	100	0.019	South
34 / 8	HIGH PLAINS DEBRIS M	4369 BOGGY CREEK RD	SWF/LF, SPILLS	128	0.024	WNW
35 / 8	AUSTIN TINDALL PARK	AUSTIN TINDALL PARK	SWF/LF	134	0.025	South
36 / 9	7-ELEVEN FOOD STORE	3290 N NARCOOSSEE RD	UST, Financial Assurance	232	0.044	South
37 / 7	WILLIAMS PIT	BOGGY CREEK ROAD & S	SWF/LF	408	0.077	ENE
K38 / 9	WAWA FOOD MARKET# 51	14876 NARCOOSSEE RD	UST, Financial Assurance	451	0.085	North
K39 / 9	WAWA FOOD MARKET #51	14876 NARCOOSEE RD	RCRA-VSQG, FINDS, ECHO	451	0.085	North

MAPPED SITES SUMMARY

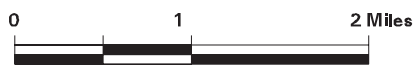
Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
40 / 7	JACKSON LANDFILL	3050 GUS ROAD	SWF/LF	1363 0.258 NE
41 / 2	BOB ZIROTS LANDSCAPI	14645 BOGGY CREEK RD	LUST, UST, AST	1868 0.354 North

Key Map - 6221036.8s



- ▲ Sites
- ↗ Target Property
- ↖ Search Buffer
- ↗ Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- FL Brownfield
- Indian Reservations BIA



<p>SITE NAME: Boggy Creek Road Widening ADDRESS: Boggy Creek Road CITY/STATE: Kissimmee FL ZIP: 34744</p>	<p>CLIENT: Geotechnical & Env. Cons., Inc CONTACT: Lisa Messing INQUIRY #: 6221036.8s DATE: 10/09/20 4:45 PM</p>
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP	1	NR	NR	NR	NR	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500	1	3	0	1	NR	NR	5
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500	1	1	0	1	NR	NR	3
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FF TANKS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	20	NR	NR	NR	NR	NR	20
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	17	NR	NR	NR	NR	NR	17
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
CLEANUP SITES	TP	1	NR	NR	NR	NR	NR	1
DEDB	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500	1	1	0	0	NR	NR	2
Financial Assurance	TP	1	NR	NR	NR	NR	NR	1
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
RESP PARTY	0.500		0	0	0	NR	NR	0
SITE INV SITES	0.500		0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP	5	NR	NR	NR	NR	NR	5
MINES MRDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	1	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP	1	NR	NR	NR	NR	NR	1
RGA LUST	TP	1	NR	NR	NR	NR	NR	1
- Totals --		56	10	0	2	0	0	68

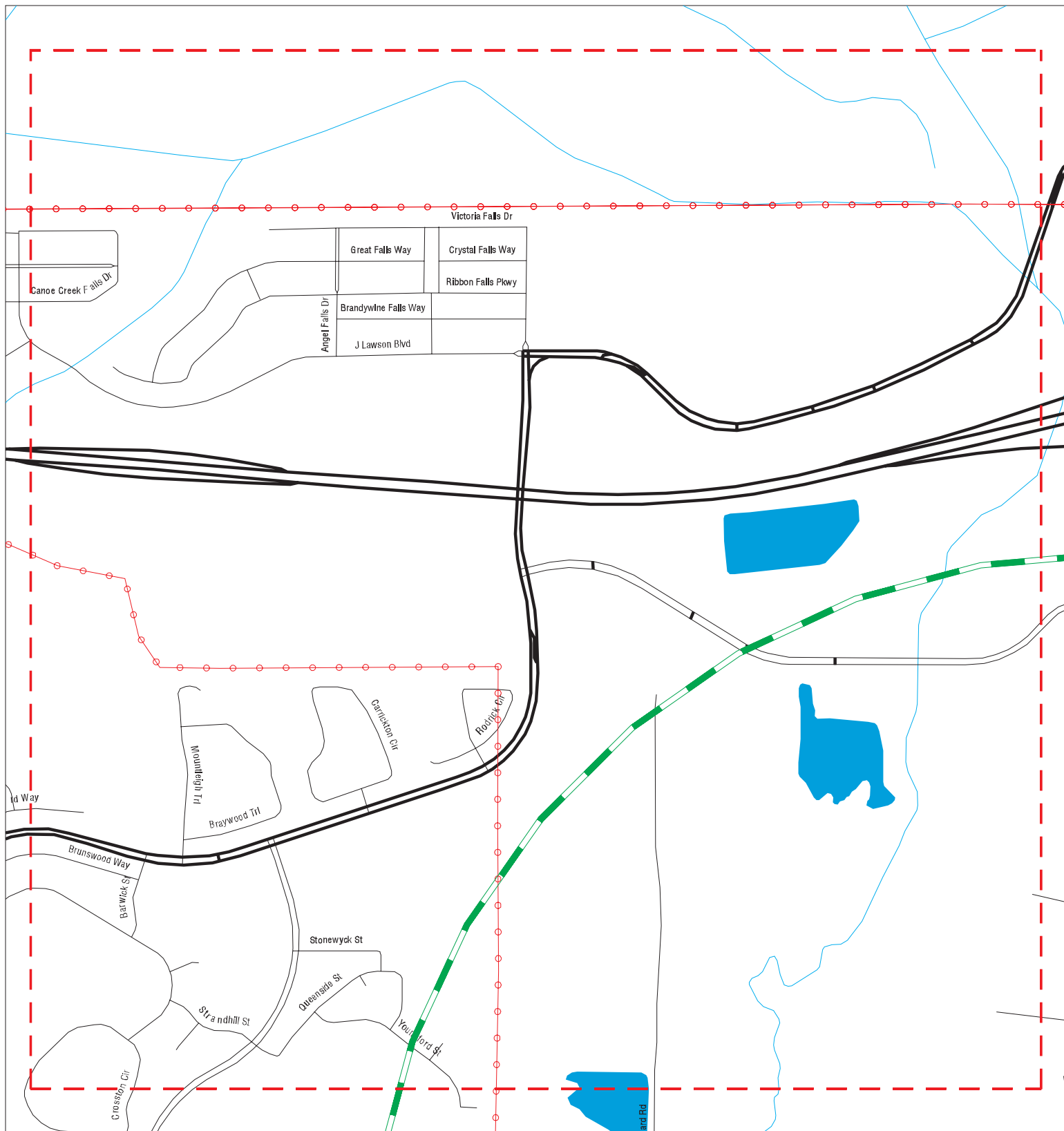
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 6221036.8s



- ▲ Sites
- ▬ Focus Map - Sites
- ▨ Indian Reservations BIA
- ▬ Target Property
- ⚡ Power Line
- ▨ FL Brownfield
- ▬ Search Buffer
- ▨ National Priority List Sites
- ▬ Focus Map - No Sites
- ▨ Dept. Defense Sites



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

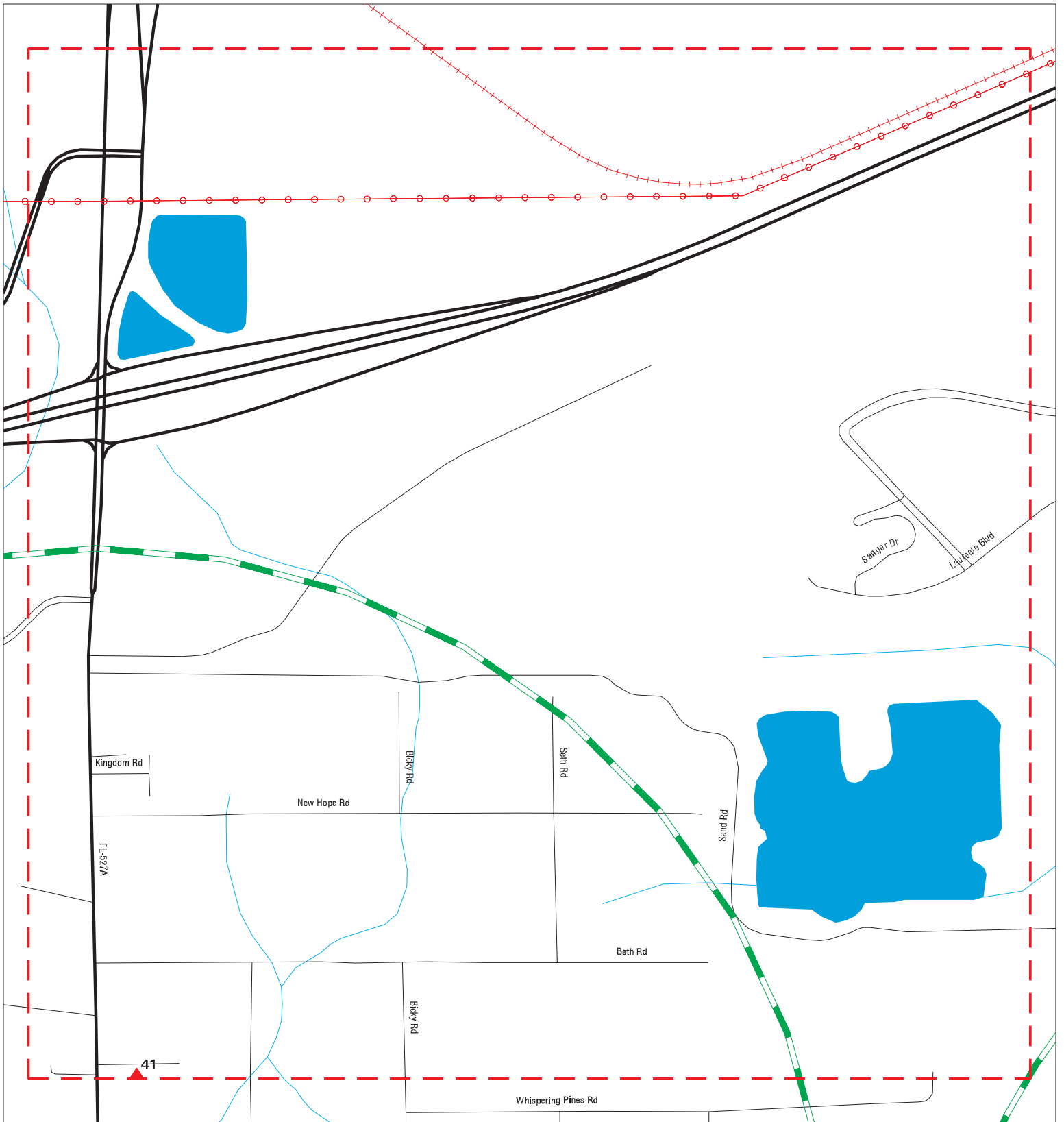
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

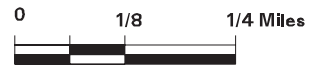
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 2 - 6221036.8s



- | | | |
|----------------------|------------------------------|-------------------------|
| Sites | Focus Map - Sites | Indian Reservations BIA |
| Target Property | Power Line | FL Brownfield |
| Search Buffer | National Priority List Sites | Dept. Defense Sites |
| Focus Map - No Sites | | |



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20











MAPPED SITES SUMMARY - FOCUS MAP 2

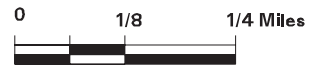
Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
41 / 2	BOB ZIROTS LANDSCAPI	14645 BOGGY CREEK RD	LUST, UST, AST	1868 0.354 North

Focus Map - 3 - 6221036.8s



-  Sites
-  Target Property
-  Search Buffer
-  Focus Map - No Sites
-  Focus Map - Sites
-  Power Line
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  FL Brownfield



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

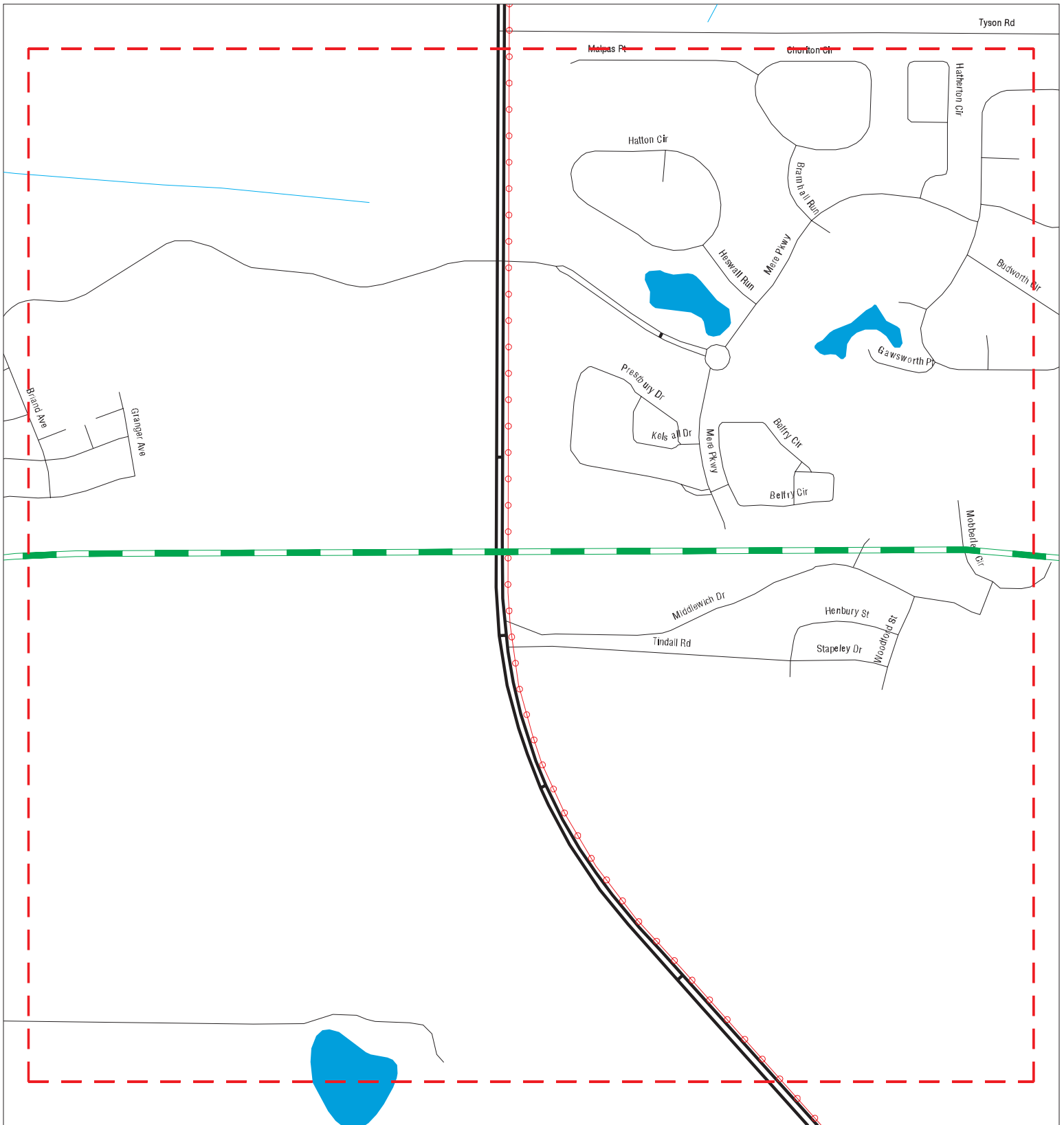
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

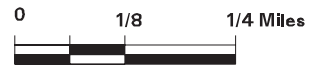
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 4 - 6221036.8s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- ⚡ Power Line
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- FL Brownfield



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

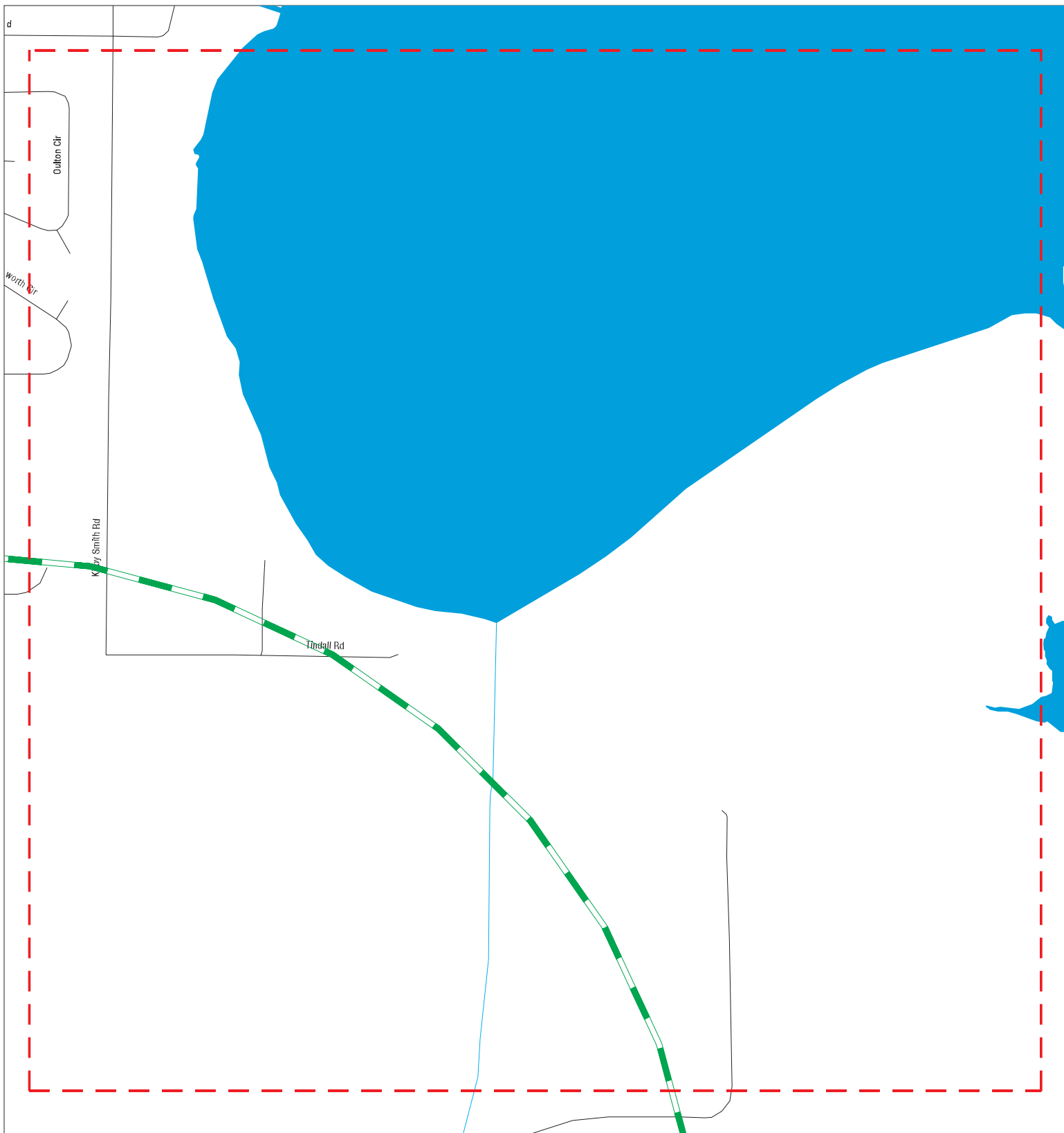
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 5 - 6221036.8s



- | | | | |
|----------------------|------------------------------|-------------------------|--|
| Sites | Focus Map - Sites | Indian Reservations BIA | |
| Target Property | Power Line | FL Brownfield | |
| Search Buffer | National Priority List Sites | | |
| Focus Map - No Sites | Dept. Defense Sites | | |

SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

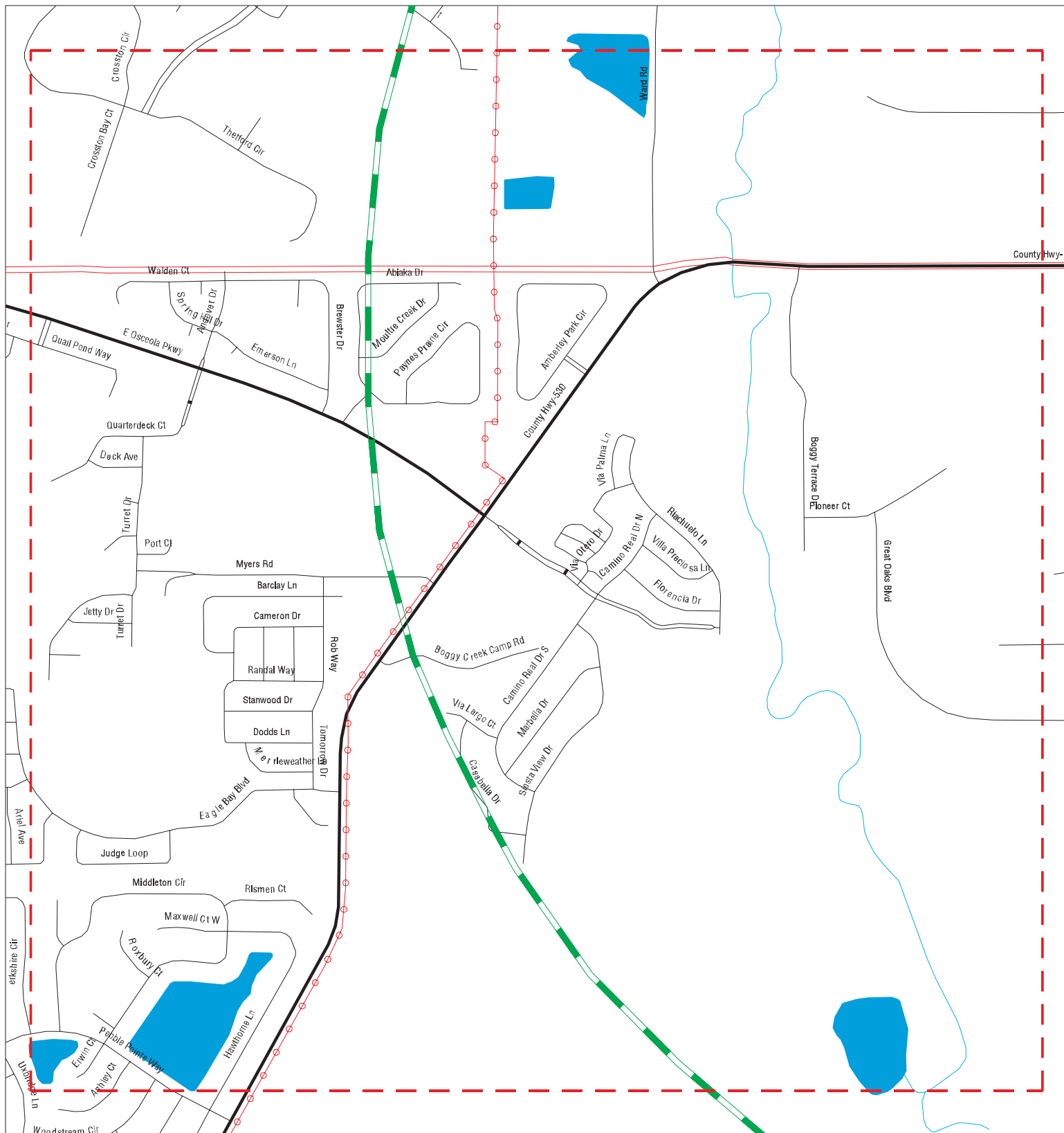
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 6 - 6221036.8s



- | | | |
|----------------------|------------------------------|-------------------------|
| Sites | Focus Map - Sites | Indian Reservations BIA |
| Target Property | Power Line | FL Brownfield |
| Search Buffer | National Priority List Sites | |
| Focus Map - No Sites | Dept. Defense Sites | |



SITE NAME: Bogy Creek Road Widening
ADDRESS: Bogy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

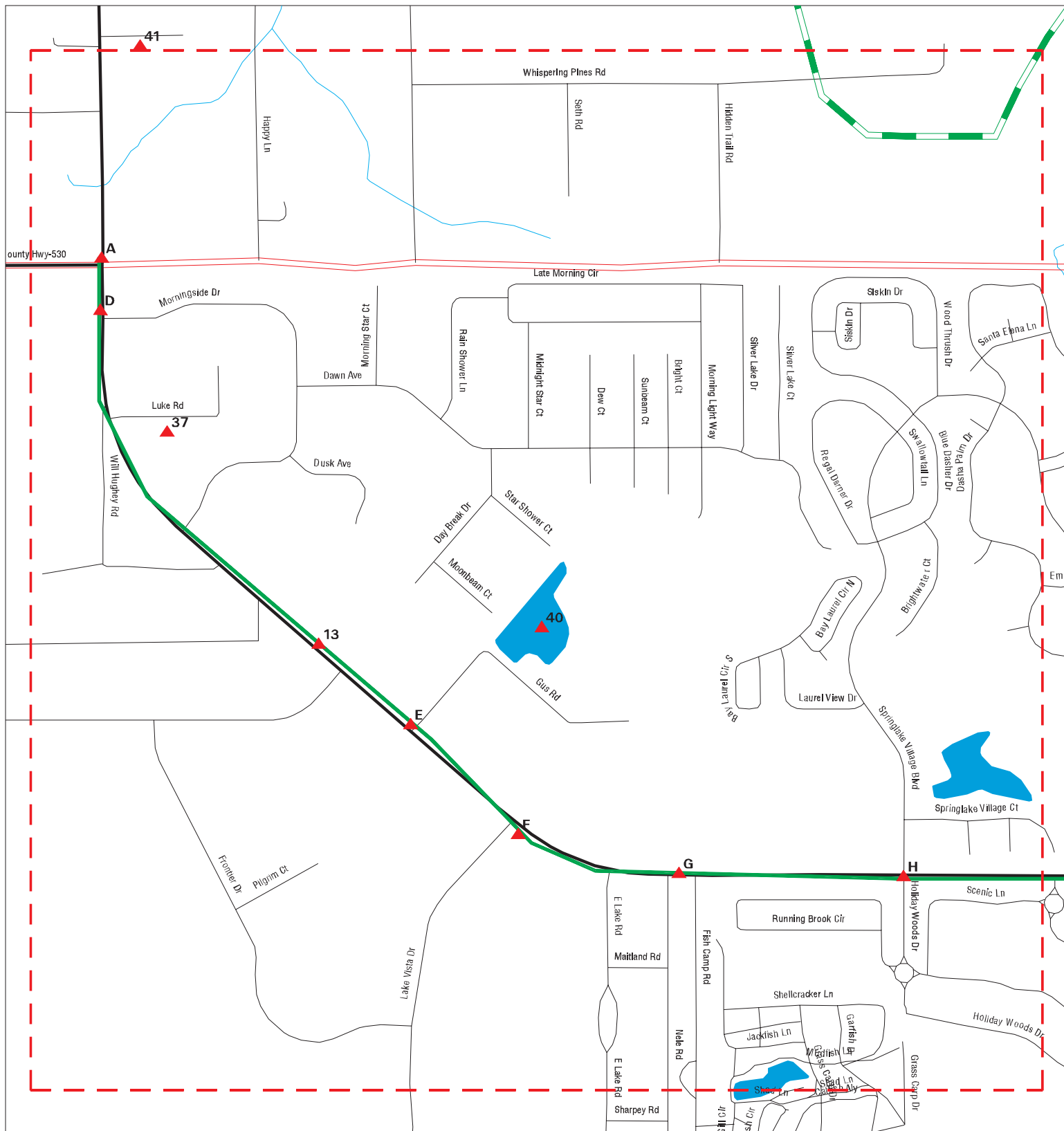
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

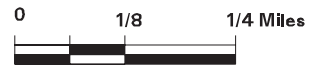
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 7 - 6221036.8s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- ⚡ Power Line
- ▬ National Priority List Sites
- ▬ Dept. Defense Sites
- Indian Reservations BIA
- FL Brownfield



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

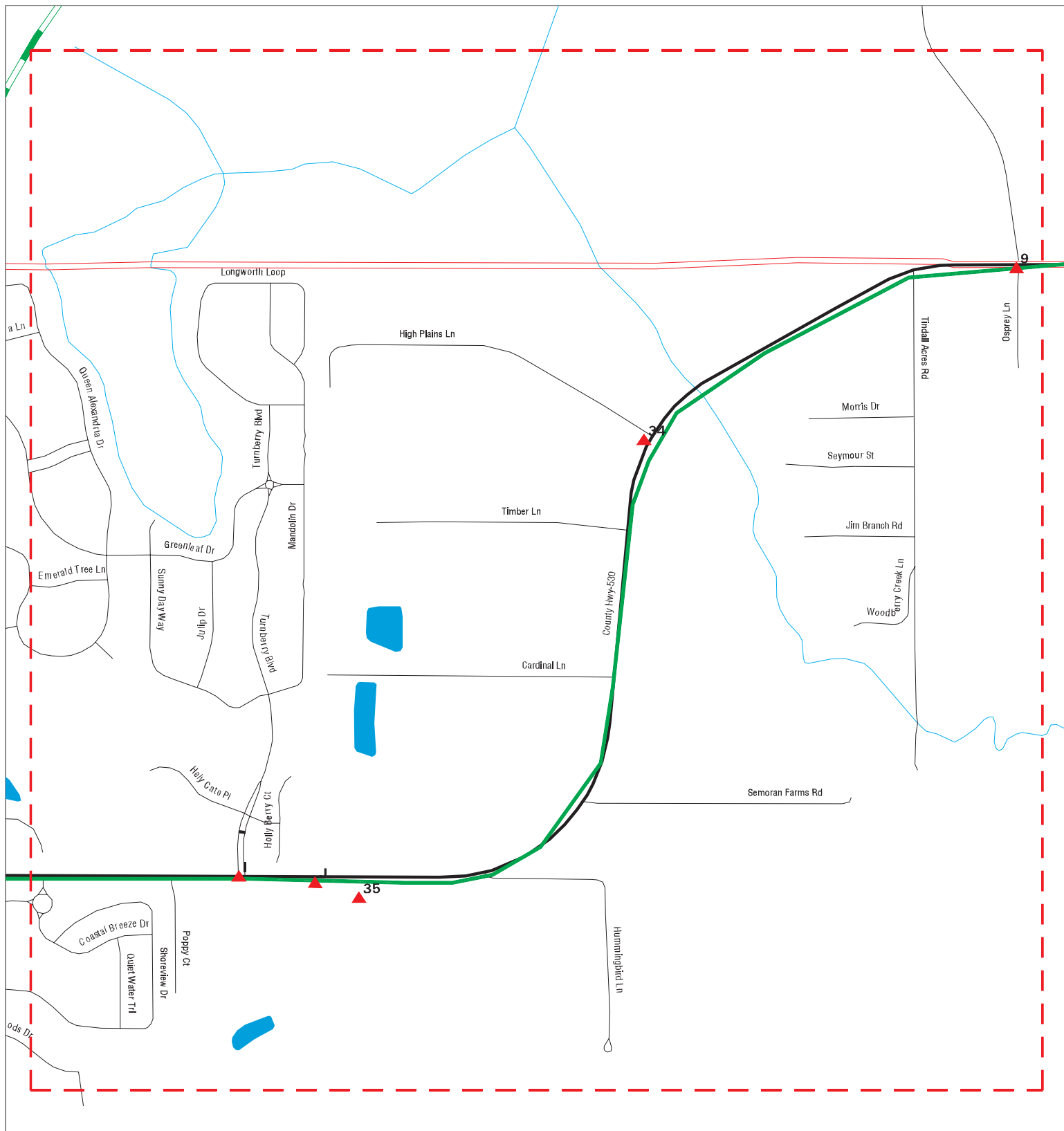
CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
BOGGY CREEK ROAD
KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A2 / 7	BOGGY TERRACE AND SI	3287 BOGGY TERRACE D	NPDES	TP
A4 / 7	INTERSECTION OF BOGG	UNKNOWN	FINDS, ECHO	TP
D10 / 7	CIRCLE K #7466	3280 BOGGY GREEK RD	RGA LUST	TP
D11 / 7	CIRCLE K STORES INC	3280 BOGGY CREEK RD	EDR Hist Auto	TP
D12 / 7	CIRCLE K #7466	3280 BOGGY CREEK RD	LUST, UST, RCRA NonGen / NLR, FINDS, ECH...	TP
13 / 7	SANATAN TEMPLE	3437 BOGGY CREEK RD	FINDS, ECHO	TP
E14 / 7	SANATAN TEMPLE	3473 BOGGY CREEK RD	FINDS, ECHO	TP
E15 / 7	T & W ENTERPRISES	3485 BOGGY CREEK RD	RCRA NonGen / NLR, FINDS, ECHO	TP
F16 / 7	KELLY PROPERTY	3600 BOGGY CREEK RD	RGA LF	TP
F17 / 7	FLORIDA STERLING INV	3600 BOGGY CREEK RD	SWF/LF, NPDES	TP
F18 / 7	EAST LAKE PRESERVE A	3600 BOGGY CREEK RD	FINDS, ECHO	TP
G19 / 7	HIGH SCHOOL FFF	3675 BOGGY CREEK RD	NPDES	TP
G20 / 7	HIGH SCHOOL FFF	3675 BOGGY CREEK RD	FINDS, ECHO	TP
H21 / 7	NORTH SHORE (LOTS 76	BOGGY CREEK RD & HOL	FINDS, ECHO	TP
H22 / 7	NORTHSHORE VILLAGE S	BOGGY CREEK RD & HOL	FINDS	TP
H23 / 7	SPRINGLAKE VILLAGE P	BOGGY CREEK RD AT SP	FINDS	TP
H31 / 7	BOGGY CREEK RD IMPRO	UNKNOWN	FINDS, ECHO	TP
37 / 7	WILLIAMS PIT	BOGGY CREEK ROAD & S	SWF/LF	408 0.077 ENE
40 / 7	JACKSON LANDFILL	3050 GUS ROAD	SWF/LF	1363 0.258 NE

Focus Map - 8 - 6221036.8s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- ⚡ Power Line
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- FL Brownfield



SITE NAME: Boggy Creek Road Widening
ADDRESS: Boggy Creek Road
CITY/STATE: Kissimmee FL
ZIP: 34744

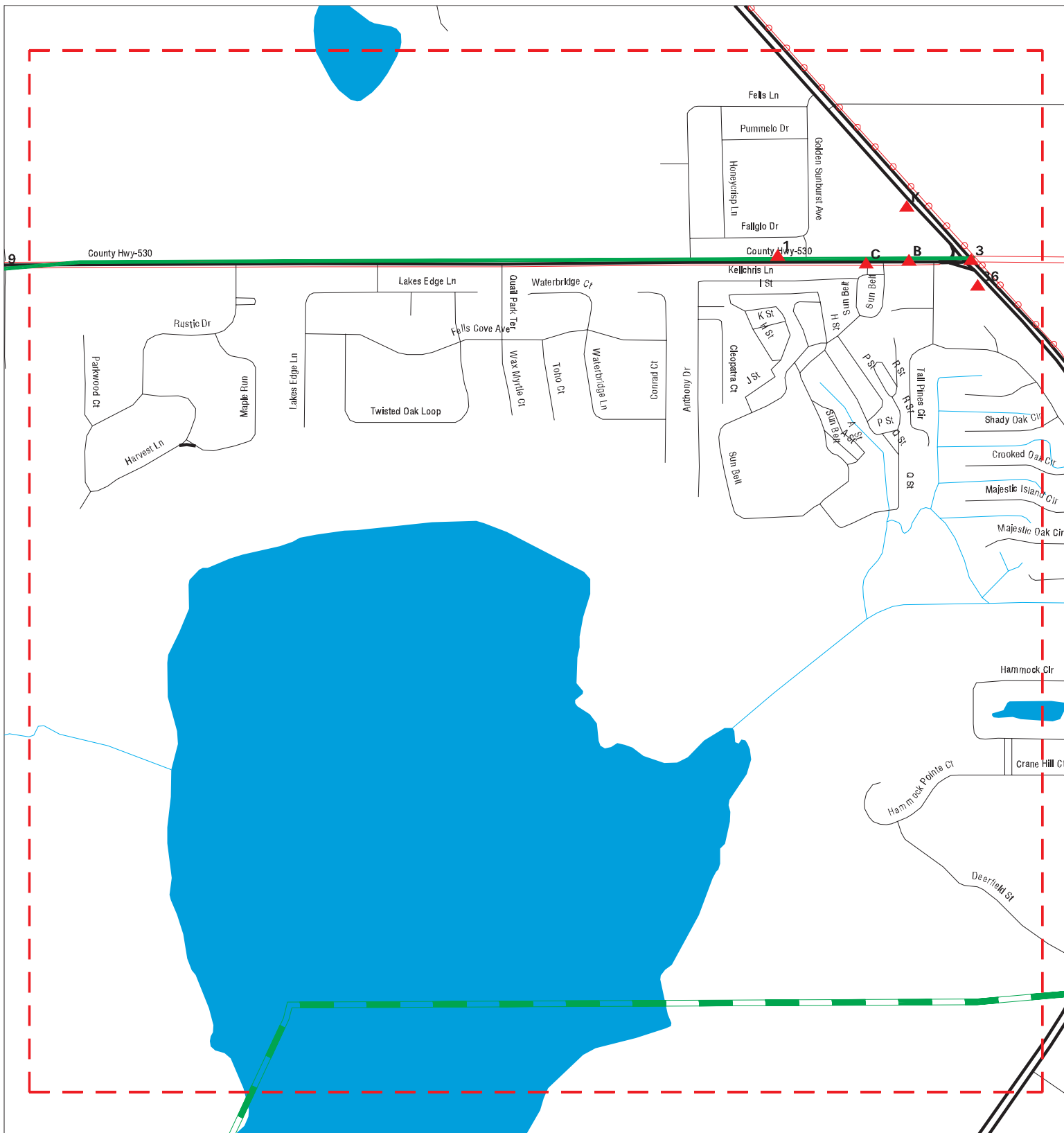
CLIENT: Geotechnical & Env. Cons., Inc
CONTACT: Lisa Messing
INQUIRY #: 6221036.8s
DATE: 10/09/20

MAPPED SITES SUMMARY - FOCUS MAP 8

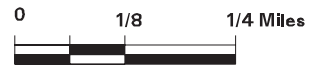
Target Property:
 BOGGY CREEK ROAD
 KISSIMMEE, FL 34744

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
9 / 8	OSPREY RIDGE		NPDES	TP
I24 / 8	NORTH POINT	BOGGY CREEK RD	FINDS	TP
I25 / 8	RAWTREE AT SPRINGLAK	BOGGY CREEK RD	FINDS, ECHO	TP
I26 / 8	TURNBERRY RESERVE	BOGGY CREEK RD	FINDS, ECHO	TP
I27 / 8	TURNBERRY RESERVE UN	BOGGY CREEK ROAD & T	FINDS, ECHO	TP
J28 / 8	AUSTIN TINDALL REGIO	4100 BOGGY CREEK RD	FINDS, ECHO	TP
J29 / 8	AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	FINDS, ECHO	TP
J30 / 8	AUSTIN TINDALL SPORT	4100 BOGGY CREEK RD	NPDES	TP
34 / 8	HIGH PLAINS DEBRIS M	4369 BOGGY CREEK RD	SWF/LF, SPILLS	128 0.024 WNW
35 / 8	AUSTIN TINDALL PARK	AUSTIN TINDALL PARK	SWF/LF	134 0.025 South

Focus Map - 9 - 6221036.8s



- ▲ Sites
- ▬ Target Property
- ▬ Search Buffer
- ▬ Focus Map - No Sites
- ▬ Focus Map - Sites
- ▬ Power Line
- ▬ National Priority List Sites
- ▬ Dept. Defense Sites
- Indian Reservations BIA
- FL Brownfield



SITE NAME: Boggy Creek Road Widening
 ADDRESS: Boggy Creek Road
 CITY/STATE: Kissimmee FL
 ZIP: 34744

CLIENT: Geotechnical & Env. Cons., Inc
 CONTACT: Lisa Messing
 INQUIRY #: 6221036.8s
 DATE: 10/09/20

APPENDIX G

FDEP Database List

The FDEP databases used for this study and their common abbreviations are listed below.

- Florida's State Funded Action Sites (SHWS),
- Florida Sites List – (FL Sites),
- State Brownfield Sites Listing (Brownfields),
- Cattle Dip Vats (CDV),
- Ethylene Di-Bromide Database (EDB),
- Dry Cleaners (DRYCLEANERS),
- Priority Cleaners (PRIORITY CLEANERS),
- Dry Cleaning Solvent Program Cleanup Sites (SCRD DRYCLEANERS),
- State & Federal Institutional Controls Registry (ENG CONTROLS),
- State & Federal Institutional Controls Registry (INST CONTROLS),
- Voluntary Cleanup Priority Listing (INDIAN VCP),
- Voluntary Cleanup Sites (VCP),
- Historical Dry Cleaners (EDR HIST CLEANERS),
- Leaking Aboveground Storage Tank Listing (LAST),
- Leaking Underground Storage Tank Listing (LUST),
- Leaking Underground Storage Tanks on Indian Land (INDIAN LUST),
- Underground Storage Tanks on Indian Land (INDIAN UST),
- National Pollution Discharge Elimination System Facilities (NPDES),
- Oil and Hazardous Materials Incidents (SPILLS, SPILLS 80, SPILLS 90),
- Solid Waste Facilities (SWF),
- Underground Storage Tanks (UST),
- Aboveground Storage Tanks (AST),
- Underground Injection Control Wells (UIC),
- Voluntary Cleanup Sites (VCS), and
- NPL and State Funded Waste Cleanup Sites (NPL).

Information regarding the date the databases were last updated are included within the EDR Radius Map Report provided in **Appendix F**. Descriptions of the above-listed Florida databases and information sources are also provided in the EDR report.

APPENDIX H

Federal Database List

Federal databases have been compiled for identifying potential sources of hazardous materials contamination. The databases used for this evaluation include:

- Aerometric Information Retrieval System I Air Facility Subsystem (AIRS),
- Clandestine Drug Laboratory Locations (CDL),
- National Clandestine Laboratory Register (HIST CDL),
- Comprehensive Environmental Response, Compensation & Liability Information System (CERCLIS),
- Delisted National Priorities List (DELISTED NPL),
- Comprehensive Environmental Response, Compensation & Liability Information System No Further Remedial Action Planned (CERC-NFRAP),
- Comprehensive Environmental Response, Compensation & Liability Information System Lien Information (LIENS 2),
- Superfund (CERCLA) Consent Decrees (CONSENT),
- Corrective Action Report (CORRACTS),
- Incident and Accident Data (DOT OPS),
- Engineering Controls Site List (US ENG Controls),
- Sites with Institutional Controls (US INST Controls),
- Land Use Control Information System (LUCIS),
- Federal Facility Site Information Listing (Federal Facility),
- Emergency Response Notification System Facility Registry System (ERNS),
- Hazardous Materials Incident Reporting System (HMIRS),
- Open Dump Inventory (ODI),
- Recycling Centers (SWRCY),
- Government Archives LUST (RGA LUST),
- DWM Contaminated Sites (DWM CONTAM),
- Resource Conservation & Recovery Act- Large Quantity Generators (RCRA - LQG),
- Resource Conservation & Recovery Act- Small Quantity Generators (RCRA - SQG),
- Resource Conservation & Recovery Act- Generator Conditionally Exempt Small Quantity Generator Facilities (RCRA-CESQG),
- Resource Conservation & Recovery Act- Non- Generator Facilities (RCRA Non Gen),
- Resource Conservation & Recovery Act- Treatment, Storage & Disposal Facilities (RCRA-TSDF),
- Toxic Substance Control Act Inventory (TSCA),
- Open Dump Inventory On Tribal Lands (INDIAN ODI),
- Indian Reservations (INDIAN RESERV),
- Department Of Defense Sites (DOD),
- Formerly Used Defense Sites (FUDES),
- National Priorities List (NPL),

- Proposed National Priorities List (Proposed NPL),
- National Priorities List Liens (NPL Liens),
- Delisted National Priorities List (Delisted NPL),
- Resource Conservation & Recovery Act-Corrective Action Facilities (CORRACTS), and
- Record of Decision System (ROD).

Information regarding the date the databases were last updated are included within the EDR Radius Map Report provided in **Appendix F**. Descriptions of the above-listed federal databases and information sources are also provided in the EDR report.

APPENDIX I

FDEP OCULUS, Map Direct, and Nexus Portal Information

Site No. 1

7-Eleven Food Store #32659

**Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Facility Inspection Cover Page
Facility Information**

District: CD	Type: Retail Station
County: Osceola	Status: Closed
Facility ID#: 9800841	Latitude: 28:20:52.2998
Name: 7-Eleven Food Store #32659	Longitude: 81:13:55.1968
3290 N Narcoossee Rd	LL Method: DPHO
Saint Cloud, FL 34771-7290	LL Status: REVIEWED
Contact: David Petersen	Status Date: 02//06/2003
Phone: 407-403-2995	

Account Owner Information

Name: 7-Eleven Inc - Gasoline Comp Dept 0148	Effective Date: 10/27/1998
Po Box 711	Placard#/Date: 585436 - 06/18/2020
Attn: Fl Region Compliance Mgr	
Dallas, TX 75221-711	
Phone: 407-403-2995	

Tank Owner Information

Name: 7-Eleven Inc - Gasoline Comp Dept 0148	Effective Date: 10/27/1998
Po Box 711	
Attn: Fl Region Compliance Mgr	
Dallas, TX 75221-711	
Phone: 407-403-2995	

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
1	15000	Unleaded Gas	08/01/1998	UNDER	B			
2	10000	Unleaded Gas	08/01/1998	UNDER	B			
3	10000	Vehicular Diesel	08/01/1998	UNDER	B			

*****Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A or B).**

Most Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company Name
Insurance	12/18/2017	12/18/2020	Ironshore Specialty Insurance
Insurance	12/18/2015	12/18/2017	Ironshore Specialty Insurance
Insurance	12/18/2013	12/18/2015	Ironshore Specialty Insurance

Insurance	12/18/2012	12/18/2013	Ironshore Specialty Insurance
Insurance	04/30/2011	04/30/2012	Illinois Union
Insurance	04/30/2010	04/30/2011	Illinois Union
Insurance	04/30/2008	04/30/2010	Illinois Union

Other Financial Responsibility Mechanisms on File

FR Type	Effective Date	Expiration Date
Insurance	12-18-2015	12-18-2017

No OPEN violations found!

No Discharge Information Found!

End of Data for Facility #: 9800841



Florida Department of Environmental Protection
 Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
 Division of Waste Management
 Petroleum Storage Systems
 Storage Tank Facility Closure Site Inspection Report

Facility Information:

Facility ID: 9800841 County: OSCEOLA Inspection Date: 08/11/2020
 Facility Type: A - Retail Station
 Facility Name: 7-ELEVEN FOOD STORE #32659 # of inspected ASTs: 0
 3290 N NARCOOSSEE RD USTs: 3
 SAINT CLOUD, FL 34771-7290 Mineral Acid Tanks: 0
 Latitude: 28° 20' 52.2998"
 Longitude: 81° 13' 55.1968"
 LL Method: DPHO

Inspection Result:

Result: In Compliance

Signatures:

TKOREP - ORANGE CNTY ENVIRONMENTAL PROTECTION DIVISION (407) 836-1499

Storage Tank Program Office and Phone Number

Glen Becker

Jim Amaral

Inspector Name

Representative Name

Inspector Signature

Representative Signature

Principal Inspector
 ORANGE CNTY ENVIRONMENTAL PROTECTION
 DIVISION

contractor
 Wilson's Petroleum Equipment, Inc.

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J requires Operator Training at all facilities by October 13, 2018. For further information please visit: <https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training>

Financial Responsibility:

Financial Responsibility: INSURANCE

Insurance Carrier: IRONSHORE SPECIALTY INSURANCE CO

Effective Date: 12/18/2017 Expiration Date: 12/18/2020

Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Annual Operability Test	04/25/2019	Passed	01/24/2020	04/25/2020	Tanknology - TLS-350
Annual Inline Leak Detector Test	04/25/2019	Passed	01/24/2020	04/25/2020	Tanknology - 3
Annual Operability - Release Detection	04/09/2020	Passed	08/11/2020	04/09/2021	All leak sensors and tank monitor tested
Breach of Integrity Test	06/14/2019	Passed	01/24/2020	06/14/2022	Tanknology - UDC's and STP sumps
Annual Operability - Overfill Protection	04/09/2020	Passed	08/11/2020	04/09/2021	All shut-off valves tested
Annual Operability - Line Leak Detector	04/09/2020	Passed	08/11/2020	04/09/2021	All MLLDs tested
Breach of Integrity Test	12/13/2019	Passed	01/24/2020	12/13/2022	Tanknology - UDC #11/12
Breach of Integrity Test	09/13/2019	Passed	01/24/2020	09/13/2021	Tanknology - Diesel Spill Bucket
Annual Operability Test	04/25/2019	Passed	01/24/2020	04/25/2020	Tanknology - 3 Flapper Valves

Site Visit Comments

08/11/2020

Wilson's Petroleum Equipment, Inc., PCC045049, onsite to remove the entire UST system. OCEPD was provided the required notifications.

APTIM, the environmental consultant, is performing a closure assessment.

The dispensers and under-canopy piping was removed yesterday.

At the time of this inspection, APTIM found no OVA field screening results greater than 10ppm, basically all 0ppm.

The water table is about four feet below grade.

There is no visual evidence of petroleum release observed. All soils, pea gravel are planned to be placed back into the excavation, unless soil screening/analytical results show contamination.

The closure assessment shall be provided to OCEPD within 60 days of the system removal.

A DEP Contractor form shall be provided to OCEPD within 21 days of completion of the product.

The facility shall have the tank status updated to show 'removed' within 10 days of the closure.

OCEPD was not able to remain onsite to observe the removal of the last UST.

Inspection Photos

Facility ID: 9800841

Added Date 08/11/2020

Excavation with first UST removed



Added Date 08/11/2020

First UST removed



Added Date 08/11/2020

Excavation of second UST



Added Date 08/11/2020

Excavation after second UST removed





APTIM
5725 NW 159th Street
Miami Lakes, Florida 33014
www.aptim.com

October 5, 2020

Ms. Ruth Rauenzahn
Orange County Environmental Protection Division
3165 McCrory Pl #200
Orlando, FL 32803

**Re: Tank Closure Assessment Report
7-Eleven Store No. 32659
3290 N. Narcoossee Road
St. Cloud, Osceola County, Florida 34771
FDEP Facility ID No. 49/9800841**

Dear Ms. Rauenzahn:

Enclosed please find one (1) electronic copy of the **Tank Closure Assessment Report** for the above-referenced facility.

In the event revisions or clarifications are necessary that can be addressed via e-mail to accelerate and streamline the review of this report, please contact me at (813) 612-3614 or christopher.parker@aptim.com, or Monika Ugrinska at (305) 525-2075 or monika.ugrinska@aptim.com.

Sincerely,
APTIM Environmental & Infrastructure, LLC

Christopher Parker, EIT
Environmental Engineer

cc: Shellen Hussein, 7-Eleven, Inc., Irving, Texas (pdf)
Jennifer Dart, APTIM, Dallas, Texas (pdf)
APTIM/7-Eleven Portal

1.0 INTRODUCTION

Aptim Environmental & Infrastructure, LLC (APTIM), on behalf of 7-Eleven, Inc. (7-Eleven), presents this Tank Closure Assessment Report for the 7-Eleven Store No. 32659, located at 3290 North Narcoossee Road, St. Cloud, Osceola County, Florida. This report has been prepared in accordance with guidelines for the closure and assessment of underground storage tanks (UST) as established in the Florida Department of Environmental Protection (FDEP) Chapters 62-761 and 62-780 of the Florida Administrative Code (FAC) and the Instructions for Conducting Sampling During Underground Storage Tank Closure (April 2016).

This report documents the field activities during the removal of one (1) 15,000-gallon capacity, double-walled, steel regular unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel premium unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel vehicular diesel UST, six (6) underground dispenser containment (UDC) sumps at each dispenser island, and associated product piping. The UST system removal activities were conducted by Wilson's Petroleum Equipment, Inc. (Wilson's), a Pollutant Storage System Specialty Contractor.

A site map illustrating the property boundaries, the former UST and dispenser island area, and other pertinent site features is provided as **Figure 1**. Copies of the Underground Storage System Installation and Removal Form for Certified Contractors, Tank Disposal Indemnification Agreement and Release Form, Tank Liquid Disposal Manifest, Storage Tank Facility Registration Form, and Clean Fill Weigh Tickets for the UST system removal activities are included in **Appendix A**.

The activities conducted during the UST system removal included:

- Removal of the contents and decontamination of one (1) 15,000-gallon capacity, double-walled, steel regular unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel premium unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel vehicular diesel UST, six (6) UDC sumps at each dispenser island, and associated product piping by Wilson's.
- Disposal of UST contents by Cliff Berry, Inc. (CBI);
- Excavation and disposal of the USTs, UDC sumps, and associated piping by Wilson's;
- Soil field screening with a PhoCheck Tiger Organic Vapor Analyzer equipped with a Photo Ionization Detector (OVA/PID) of the UST excavation and sidewalls by APTIM;
- Soil sampling of the UST excavation for laboratory analysis by APTIM;
- Installation of a temporary monitoring well in the UST excavation and groundwater sampling for laboratory analysis by APTIM;
- Soil field screening with a PhoCheck Tiger OVA/PID of the UDC sumps and product piping by APTIM; and
- Soil sampling of the dispenser island sumps and product piping for laboratory analysis by APTIM.

The scope of work performed at the subject site was conducted in accordance with:

- Chapters 62-761 and 62-780 FAC;
- FDEP Pollutant Storage Limited Source Removal Requirements;
- American Petroleum Institute Section 1604;
- National Fire Prevention Association Standard 30; and
- Instructions for Conducting Sampling During Underground Storage Tank Closure (April 2006).

2.0 UST TANK REMOVAL ACTIVITIES

During the August 2020 UST system removal activities, one (1) 15,000-gallon capacity, double-walled, steel regular unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel premium unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel vehicular diesel UST, six (6) UDC sumps at each dispenser island, and associated product piping were removed from the site by Wilson's. Copies of the Tank Disposal Indemnification Agreement and Release Form and Tank Liquid Disposal Manifest are provided in **Appendix A**.

3.0 UST EXCAVATION ACTIVITIES

3.1 Soil Sample Collection and Analytical Results

During the soil excavation activities in the UST area on August 7 to 11, 2020, APTIM collected and field screened a total of one hundred and thirty-two (132) soil samples using an OVA/PID from an approximately 50 foot x 40 foot UST excavation area. The water table was encountered at approximately 4.2 feet below land surface (ft bls). The soil samples were placed in clean 16-ounce jars and allowed to equilibrate for approximately 5 minutes. Following equilibration, the headspace in each glass jar was screened for the presence of organic vapors in accordance with Rule 62-780.200(17), FAC. The OVA/PID was calibrated onsite to 100 parts per million (ppm) isobutylene and zero gas prior to use. OVA/PID readings from the August 7 to 11, 2020 soil sampling activities are provided in **Table 1**. OVA/PID Reading Maps from the 0-2 ft bls and 2-5 ft bls intervals for the UST excavation are illustrated on **Figures 2** and **3**, respectively.

On August 11, 2020, APTIM collected a total of eight (8) soil samples (UST-1, UST-2, UST-3, UST-4, UST-5, UST-6, UST-7, and UST-8) from the UST excavation sidewalls. The soil samples were collected at the interval above the water table (2 to 4 ft bls). The soil samples were submitted to Eurofins TestAmerica Laboratories, Inc. (TestAmerica) in Pensacola, Florida, (Florida

Department of Health No. E81010) for analysis using the United States Environmental Protection Agency (EPA) Methods 8260B for benzene, toluene, ethylbenzene and total xylenes (BTEX) including methyl-tert-butyl-ether (MTBE), 8270D for Polynuclear Aromatic Hydrocarbons (PAH), and for Total Recoverable Petroleum Hydrocarbons (TRPH) using the Florida Petroleum Residual Organic (FL-PRO) Method.

A review of the laboratory analytical data indicated contaminant concentrations below the Chapter 62-777, Table II, FAC Soil Cleanup Target Levels (SCTL) for Leachability Based on Groundwater Criteria and Direct Exposure Residential in all soil samples analyzed.

A Soil Data Summary is provided in **Table 1**. A Soil Analytical Map is illustrated on **Figure 4**. Copies of the Soil Laboratory Analytical Report, Soil Quality Assurance/Quality Control (QA/QC) Report, and Soil Chain-of-Custody Documentation are provided in **Appendix B**.

3.2 Groundwater Sample Collection and Analytical Results

On August 11, 2020, APTIM installed a temporary monitoring well (TW-1) within the center of the UST excavation for the collection of a groundwater sample for laboratory analysis. The temporary monitoring well consisted of 5 feet of 1-inch diameter polyvinyl chloride (PVC) slotted screen (0.01-inch) and 5 ft of solid PVC riser installed to a total depth of 10 ft bls. The groundwater sample was collected in accordance with the FDEP Sampling Standard Operating Procedure and submitted to TestAmerica in Pensacola, Florida, for analysis using EPA Methods 8260B for Volatile Organic Aromatics/Volatile Organic Hydrocarbons (VOA/VOH), 8270D for PAHs, 504.1 for 1,2-Dibromoethane (EDB), 6010C for Lead, and TRPH using the FL-PRO Method.

A review of the laboratory analytical data indicated contaminant concentrations below the Chapter 62-777, Table I, FAC Groundwater Cleanup Target Levels (GCTL) in the groundwater sample collected from the temporary monitoring well TW-1. It should be noted that concentrations of dibenzo(a,h)anthracene were not detected and the laboratory Method Detection Limit (MDL) was above the risk-based CTLs. Per the May 4, 2007 FDEP Memorandum, if the reported concentration was not detected, or if it was detected but the concentration does not exceed the laboratory Practical Quantitation Limit (PQL), it is considered that the alternative groundwater CTLs are met even if the risk-based CTLs are lower than the PQLs.

A Groundwater Analytical Summary is provided in **Table 2** and is illustrated on **Figure 5**. Copies of the FDEP Groundwater Sampling Log, Instrument Calibration Sheet, Groundwater Laboratory Analytical Report, Groundwater QA/QC Report, and Groundwater Chain-of-Custody Documentation are provided in **Appendix B**.

4.0 DISPENSER ISLAND AND PRODUCT PIPING SAMPLING ACTIVITIES

4.1 Soil Sample Collection and Analytical Results

On August 6 and 10, 2020, APTIM oversaw Wilson's during the removal of six (6) UDC sumps and associated product piping. The product piping was observed at approximately 3 ft bls. APTIM collected and field screened a total of thirty-six (36) soil samples using an OVA/PID. The OVA/PID was calibrated on-site to 100 ppm isobutylene and zero gas sources prior to use. OVA/PID readings from the August 6 and 10, 2020, soil sampling activities during the UDC sump and product piping removal are provided in **Table 1** and illustrated on **Figure 6**.

During the UDC sump and product piping removal activities on August 10, 2020, APTIM collected six (6) soil samples from the UDC sump areas (UDC-1/2, UDC-3/4, UDC-5/6, UDC-7/8, UDC-9/10, and UDC-11/12) and two (2) soil sample from the product piping areas (PP-C and PP-F) for laboratory analysis. The soil samples were submitted to TestAmerica in Pensacola, Florida, and analyzed using EPA Methods 8260B for BTEX including MTBE, 8270D for PAH and the FL-PRO Method for TRPH.

A review of the laboratory analytical data indicated contaminant concentrations below the SCTLs for Leachability Based on Groundwater Criteria and Direct Exposure Residential in all soil samples analyzed.

A Soil Data Summary is provided in **Table 1**. A Soil Analytical Map is illustrated on **Figure 7**. Copies of the Soil Laboratory Analytical Report, Soil Quality Assurance/Quality Control (QA/QC) Report, and Soil Chain-of-Custody Documentation are provided in **Appendix B**.

5.0 SOIL EXCAVATION AND BACKFILLING

All soils that were removed during the August 2020 UST system removal activities were returned to the excavation areas by Wilson's. In addition, a total of twenty truckloads (approximately 365.8) of clean fill were used to backfill the UST, dispenser sump, and product piping areas. Copies of the Clean Fill Weigh Tickets are included in **Appendix A**.

6.0 CONCLUSIONS

In August 2020, one (1) 15,000-gallon capacity, double-walled, steel regular unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel premium unleaded UST, one (1) 10,000-gallon capacity, double-walled, steel vehicular diesel UST, six (6) UDC sumps at each dispenser island, and associated product piping were removed from the site by Wilson's.

During the August 2020, UST system removal activities, APTIM collected a total of sixteen (16) closure soil samples from the sidewalls of the UST excavation, UDC sumps, and product piping areas. Contaminant concentrations were reported below their respective SCTLs for Leachability Based on Groundwater Criteria and/or Direct Exposure Residential in all soil samples analyzed. All soils from the UST system removal activities were returned to the excavation.

During the August 2020, UST system removal activities, APTIM installed one (1) monitoring well (TW-1) within the center of the UST excavation and collected one (1) groundwater sample for laboratory analysis. The analytical data indicated contaminant concentrations below their respective GCTLs.

APTIM, on behalf of 7-Eleven, recommends no further environmental action at this time.



BOGGY CREEK ROAD

N. MARCOOSSEE ROAD

FENCED
RETENTION
POND

FORMER
DISPENSER
ISLAND (TYP.)

FORMER CANOPY

FORMER
PRODUCT
PIPING

7-ELEVEN
STORE
No. 32659

FORMER
LST AREA

RESIDENTIAL

RESIDENTIAL

LEGEND:
APPROXIMATE PROPERTY
BOUNDARY

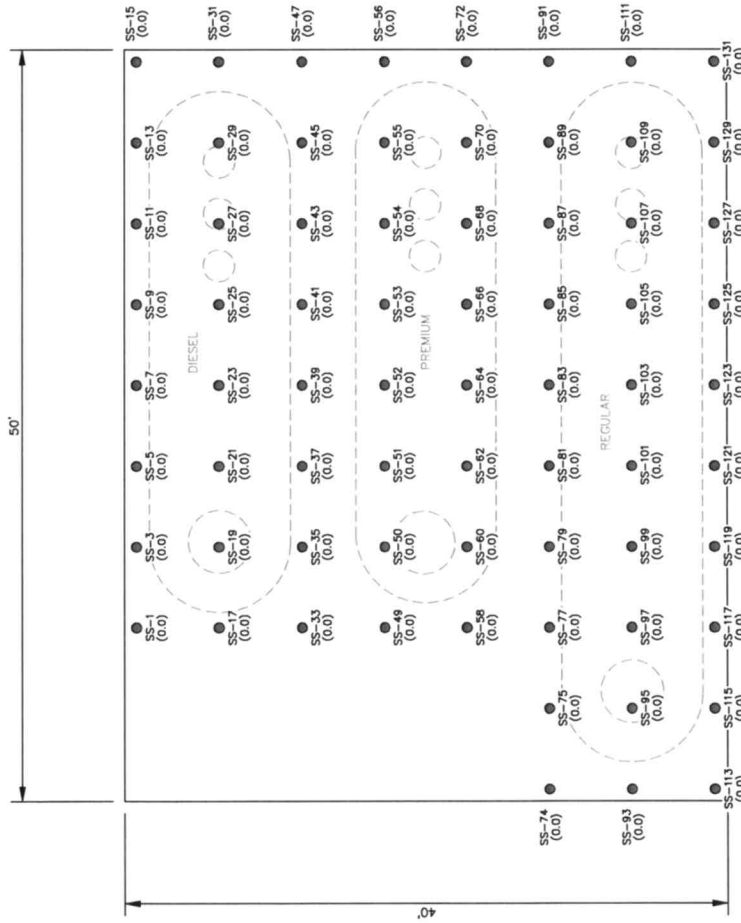


APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX

OFFICE: TAMPA	DATE: 9-29-20	ACAD FILE: 5743B1
SITE MAP		
CLIENT: 7-ELEVEN, INC.	PM: MU	
LOCATION: 7-ELEVEN STORE No. 32659 3290 N. MARCOOSSEE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841		
DESIGNED: CP	DRAWN: SDJF	PROJECT NO.: 631015743
		FIGURE: 1

LEGEND:

- SAMPLE LOCATION
- (0.0) SAMPLE LOCATION



OFFICE: TAMPA	DATE: 9-3-20	ACAD FILE: 5743B2
OVA/IPID READINGS MAP - JUST EXCAVATION (0 - 2 FT BLS) AUGUST 7, 2020		
CLIENT:	7-ELEVEN, INC.	PM: MU
LOCATION:	7-ELEVEN STORE No. 32659 3290 N. NARCOOSSE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841	
DESIGNED: CP	DRAWN: SDJF	PROJECT NO.: 631015743
		FIGURE: 2

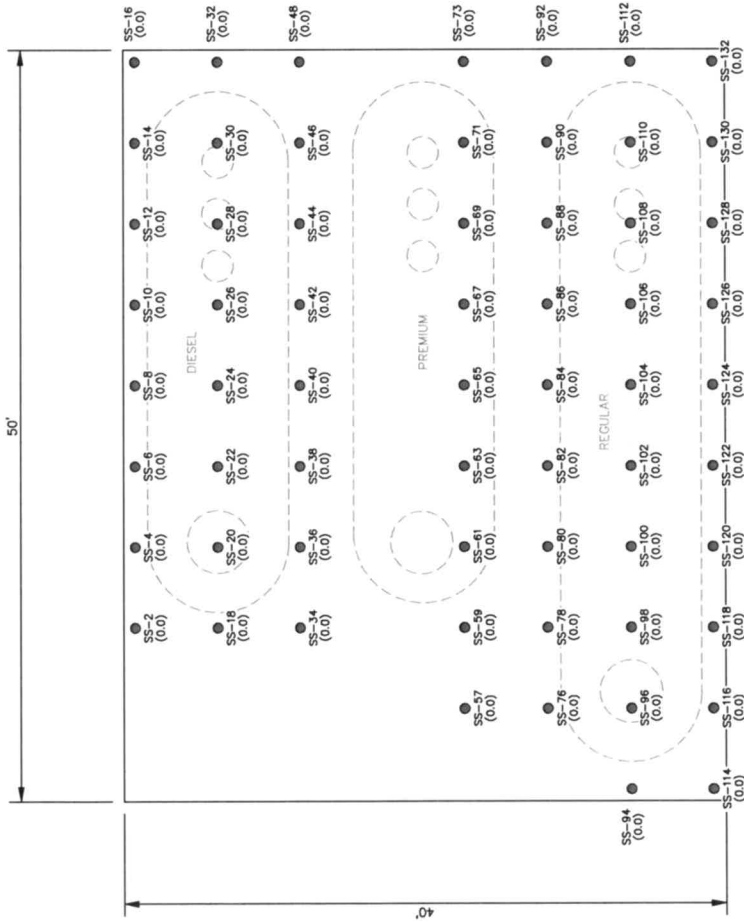


APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
 725 U.S. HIGHWAY 301 SOUTH
 TAMPA, FLORIDA 33619
 (813) 612-3600 OFFICE
 (813) 626-1663 FAX



LEGEND:

- SAMPLE LOCATION
- (0.0) SAMPLE LOCATION

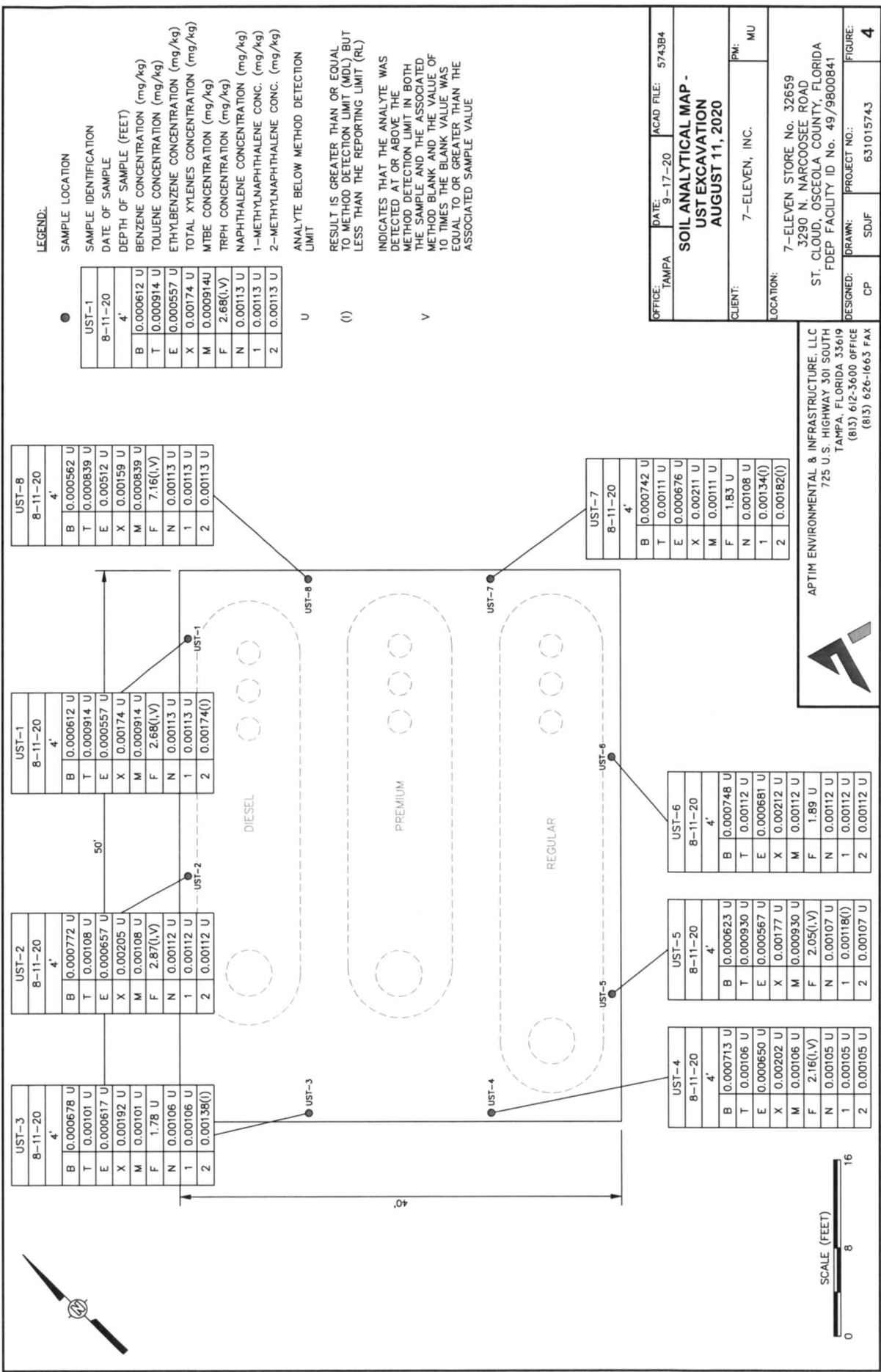


OFFICE: TAMPA	DATE: 9-20-20	ACAD FILE: 5743B3
OVA/PID READINGS MAP - UST EXCAVATION (2 - 5 FT BLS) AUGUST 10 and 11, 2020		
CLIENT: 7-ELEVEN, INC.	PM: MU	
LOCATION: 7-ELEVEN STORE No. 32659 3290 N. NARCOOSSE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841		
DESIGNED: CP	DRAWN: SDJF	PROJECT NO.: 631015743
		FIGURE: 3

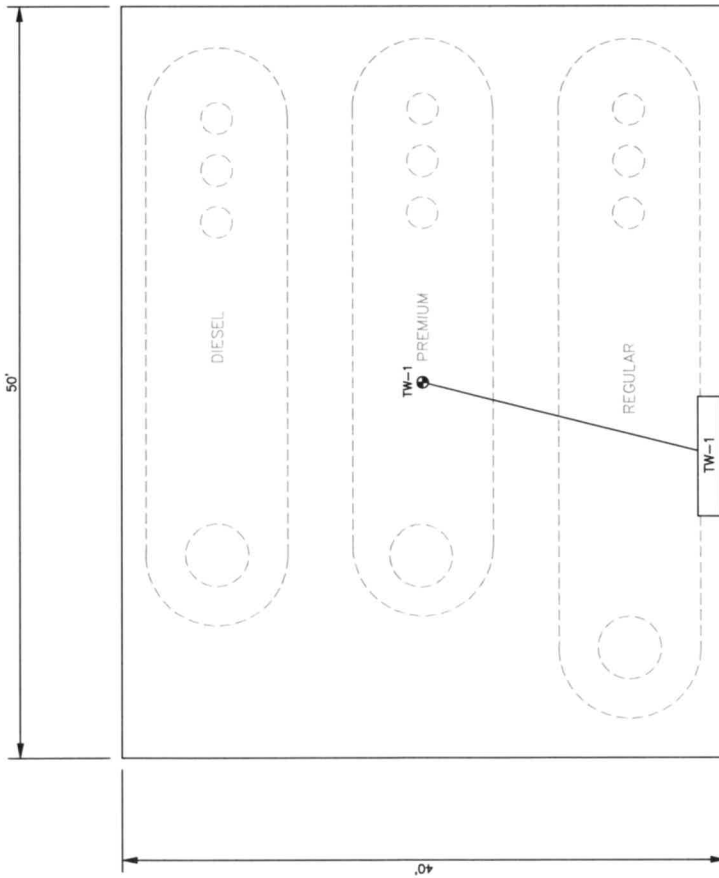


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(813) 626-1663 FAX





OFFICE: TAMPA	DATE: 9-17-20	ACAD FILE: 5743B4
SOIL ANALYTICAL MAP - UST EXCAVATION AUGUST 11, 2020		
CLIENT:	7-ELEVEN, INC.	PM: MU
LOCATION:	7-ELEVEN STORE No. 32659 3290 N. MARCOOSE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841	
DESIGNED: CP	PROJECT NO.: 631015743	FIGURE: 4



LEGEND:
 TEMPORARY MONITORING WELL LOCATION

TW-1	
8-11-20	
B	0.380 U
T	0.410 U
E	0.500 U
X	1.60 U
M	0.740 U
IPB	0.530 U
124	0.820 U
135	0.560 U
F	334 U
N	0.0480 U
1	0.0652 U
2	0.0374 U
EDB	0.00557 U
Pb	2.00 U

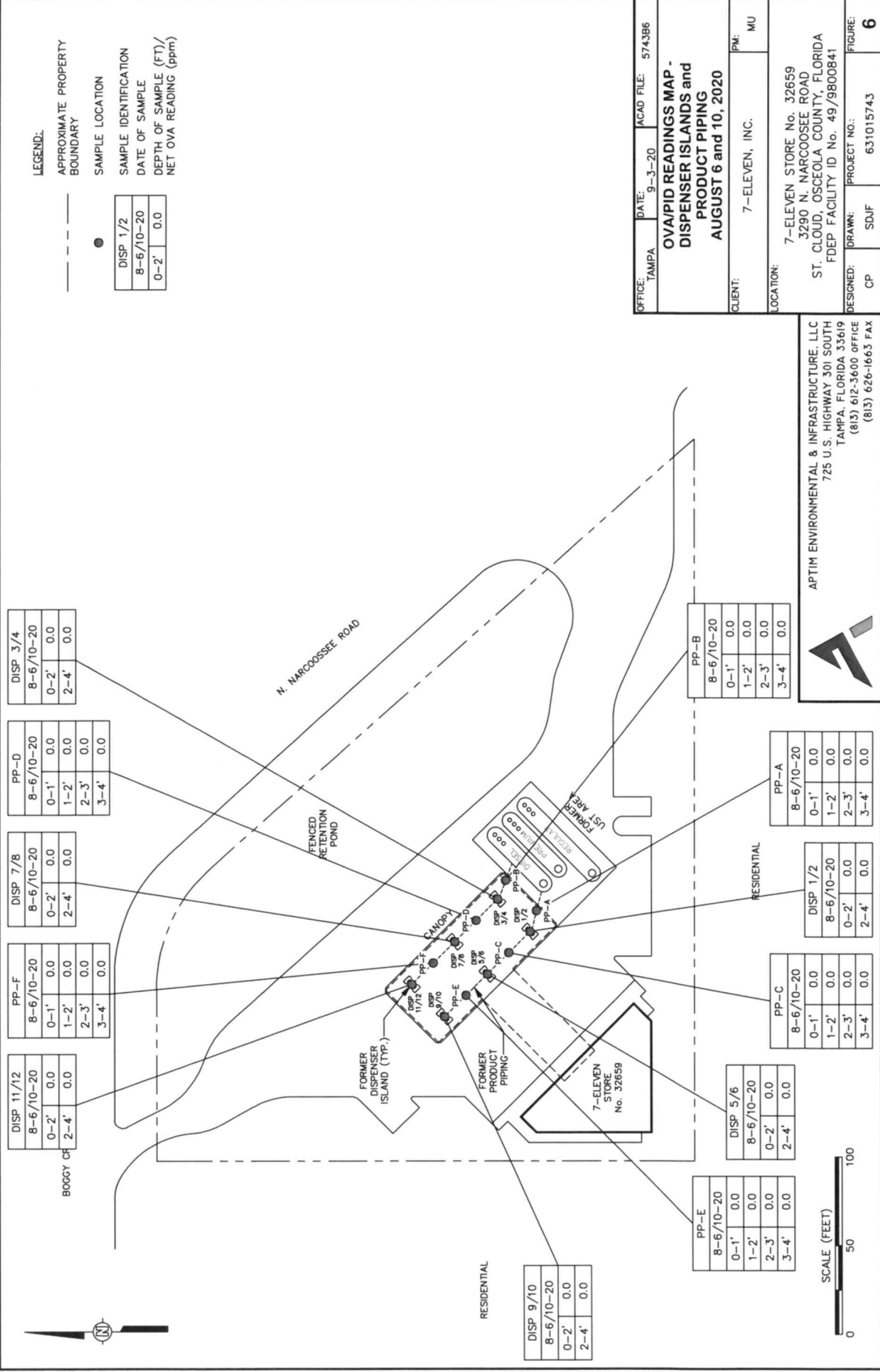
SAMPLE IDENTIFICATION	
DATE OF SAMPLE	
BENZENE CONCENTRATION (ug/L)	
TOLUENE CONCENTRATION (ug/L)	
ETHYLBENZENE CONCENTRATION (ug/L)	
TOTAL XYLENES CONCENTRATION (ug/L)	
MTBE CONCENTRATION (ug/L)	
ISOPROPYLBENZENE CONCENTRATION (ug/L)	
1,2,4-TRIMETHYLBENZENE CONC. (ug/L)	
1,3,5-TRIMETHYLBENZENE CONC. (ug/L)	
TRPH CONCENTRATION (ug/L)	
NAPHTHALENE CONCENTRATION (ug/L)	
1-METHYLNAPHTHALENE CONC. (ug/L)	
2-METHYLNAPHTHALENE CONC. (ug/L)	
EDB CONCENTRATION (ug/L)	
LEAD CONCENTRATION (ug/L)	

ANALYTE BELOW METHOD DETECTION LIMIT
 U

TW-1	
8-11-20	
B	0.380 U
T	0.410 U
E	0.500 U
X	1.60 U
M	0.740 U
IPB	0.530 U
124	0.820 U
135	0.560 U
F	334 U
N	0.0480 U
1	0.0652 U
2	0.0374 U
EDB	0.00557 U
Pb	2.00 U

OFFICE: TAMPA	DATE: 9-17-20	ACAD FILE: 5743B5
GROUNDWATER ANALYTICAL MAP - UST EXCAVATION AUGUST 11, 2020		
CLIENT:	7-ELEVEN, INC.	PM: MU
LOCATION:	7-ELEVEN STORE No. 32659 3290 N. NARCOOSSEE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841	
DESIGNED: CP	DRAWN: SDJF	PROJECT NO.: 631015743
		FIGURE: 5

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
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 TAMPA, FLORIDA 33619
 (813) 612-3600 OFFICE
 (813) 626-1663 FAX



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
 - SAMPLE LOCATION
- | DISP 1/2 | SAMPLE IDENTIFICATION | DATE OF SAMPLE | DEPTH OF SAMPLE (FT)/ | NET OVA READING (ppm) |
|-----------|-----------------------|----------------|-----------------------|-----------------------|
| 8-6/10-20 | | | 0-2' | 0.0 |
| 0-2' | | | 2-4' | 0.0 |

OFFICE: TAMPA	DATE: 9-3-20	ACAD FILE: 5743B6
OVA/PIP READINGS MAP - DISPENSER ISLANDS and PRODUCT PIPING AUGUST 6 and 10, 2020		
CLIENT: 7-ELEVEN, INC.	PM: MU	
LOCATION: 7-ELEVEN STORE No. 32659 3290 N. NARCOOSSEE ROAD ST. CLOUD, OSCEOLA COUNTY, FLORIDA FDEP FACILITY ID No. 49/9800841	DESIGNED: CP	PROJECT NO.: 631015743
	DRAWN: SDJF	FIGURE: 6

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 TAMPA, FLORIDA 33619
 (813) 612-3600 OFFICE
 (813) 626-1663 FAX

DISP 3/4

8-6/10-20
0-2'
2-4'

PP-D

8-6/10-20
0-1'
1-2'
2-3'
3-4'

DISP 7/8

8-6/10-20
0-2'
2-4'

PP-F

8-6/10-20
0-1'
1-2'
2-3'
3-4'

DISP 11/12

8-6/10-20
0-2'
2-4'

N. NARCOOSSEE ROAD

FENCED RETENTION POND

FORMER DISPENSER ISLAND (TYP.)

FORMER PRODUCT PIPING

7-ELEVEN STORE No. 32659

PP-B

8-6/10-20
0-1'
1-2'
2-3'
3-4'

PP-A

8-6/10-20
0-1'
1-2'
2-3'
3-4'

DISP 1/2

8-6/10-20
0-2'
2-4'

PP-C

8-6/10-20
0-1'
1-2'
2-3'
3-4'

DISP 5/6

8-6/10-20
0-2'
2-4'

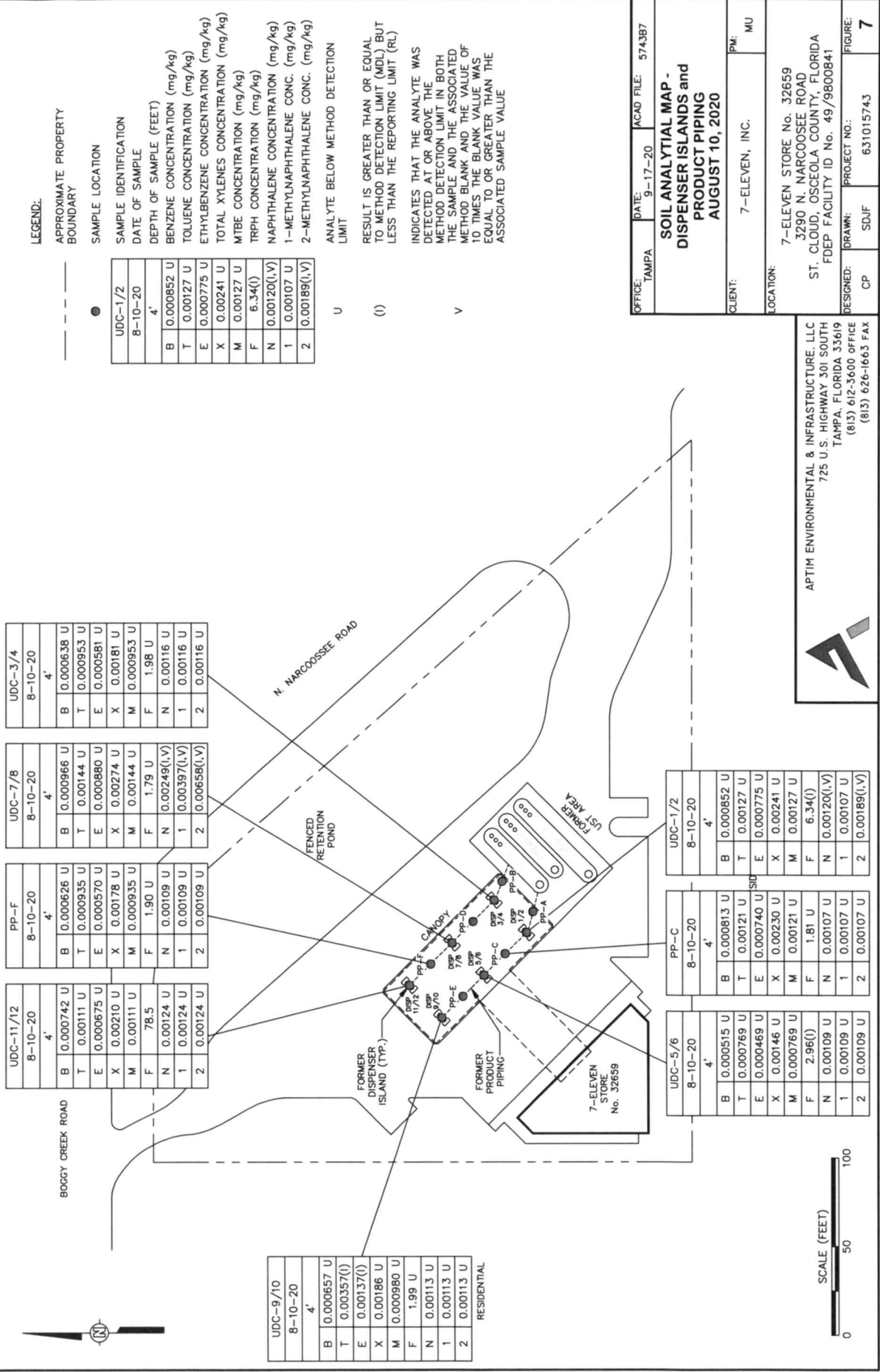
PP-E

8-6/10-20
0-1'
1-2'
2-3'
3-4'

DISP 9/10

8-6/10-20
0-2'
2-4'





LEGEND:

--- APPROXIMATE PROPERTY BOUNDARY

● SAMPLE LOCATION

UDC-1/2

DATE OF SAMPLE

DEPTH OF SAMPLE (FEET)

BENZENE CONCENTRATION (mg/kg)

TOLUENE CONCENTRATION (mg/kg)

ETHYL BENZENE CONCENTRATION (mg/kg)

TOTAL XYLENES CONCENTRATION (mg/kg)

MTBE CONCENTRATION (mg/kg)

TRPH CONCENTRATION (mg/kg)

NAPHTHALENE CONCENTRATION (mg/kg)

1-METHYLNAPHTHALENE CONC. (mg/kg)

2-METHYLNAPHTHALENE CONC. (mg/kg)

ANALYTE BELOW METHOD DETECTION LIMIT

RESULT IS GREATER THAN OR EQUAL TO METHOD DETECTION LIMIT (MDL) BUT LESS THAN THE REPORTING LIMIT (RL)

INDICATES THAT THE ANALYTE WAS DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT IN BOTH THE SAMPLE AND THE ASSOCIATED METHOD BLANK AND THE VALUE OF 10 TIMES THE BLANK VALUE WAS EQUAL TO OR GREATER THAN THE ASSOCIATED SAMPLE VALUE

UDC-1/2	8-10-20	B	0.000852	U
		T	0.00127	U
		E	0.000775	U
		X	0.00241	U
		M	0.00127	U
		F	6.34(I)	
		N	0.00120(L,V)	
		1	0.00107	U
		2	0.00189(L,V)	

UDC-3/4	8-10-20	B	0.000638	U
		T	0.000953	U
		E	0.000581	U
		X	0.00181	U
		M	0.000953	U
		F	1.98	U
		N	0.00116	U
		1	0.00116	U
		2	0.00116	U

UDC-7/B	8-10-20	B	0.000966	U
		T	0.00144	U
		E	0.000880	U
		X	0.00274	U
		M	0.00144	U
		F	1.79	U
		N	0.00249(L,V)	
		1	0.00397(L,V)	
		2	0.00658(L,V)	

PP-F	8-10-20	B	0.000626	U
		T	0.000935	U
		E	0.000570	U
		X	0.00178	U
		M	0.000935	U
		F	1.90	U
		N	0.00109	U
		1	0.00109	U
		2	0.00109	U

UDC-11/12	8-10-20	B	0.000742	U
		T	0.00111	U
		E	0.000675	U
		X	0.00210	U
		M	0.00111	U
		F	78.5	
		N	0.00124	U
		1	0.00124	U
		2	0.00124	U

UDC-9/10	8-10-20	B	0.000657	U
		T	0.00357(I)	
		E	0.00137(I)	
		X	0.00186	U
		M	0.000980	U
		F	1.99	U
		N	0.00113	U
		1	0.00113	U
		2	0.00113	U

OFFICE: TAMPA DATE: 9-17-20 AGAD FILE: 574387

SOIL ANALYTICAL MAP - DISPENSER ISLANDS and PRODUCT PIPING
AUGUST 10, 2020

CLIENT: 7-ELEVEN, INC. PM: MU

LOCATION: 7-ELEVEN STORE No. 32659
3290 N. NARCOOSSEE ROAD
ST. CLOUD, OSCEOLA COUNTY, FLORIDA
FDEP FACILITY ID No. 49/9800841

DESIGNED: CP DRAWN: SDJF PROJECT NO.: 631015743 FIGURE: 7

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 OFFICE
(813) 626-1663 FAX



Site No. 2

Wawa Food Mart #5187

**Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Facility Inspection Cover Page
Facility Information**

District: CD
County: Orange
Facility ID#: 9814935
Name: Wawa Food Market# 5187
 14876 Narcoossee Rd
 Orlando, FL 32832-6929
Contact:
Phone: --

Type: Retail Station
Status: Open
Latitude: 28:20:54.4458
Longitude: 81:13:59.3419
LL Method: DPHO
LL Status: REVIEWED
Status Date: 03//08/2016

Account Owner Information

Name: Wawa Florida Llc
 7022 Tpc Dr #200
 Attn: Fuel Equip & Compliance
 Orlando, FL 32822
Phone: 610-361-3839

Effective Date: 02/04/2016
Placard#/Date: 575026 - 05/28/2020

Tank Owner Information

Name: Wawa Florida Llc
 7022 Tpc Dr #200
 Attn: Fuel Equip & Compliance
 Orlando, FL 32822
Phone: 610-361-3839

Effective Date: 02/04/2016

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
1	22000	Ultra Low Sulfur Diesel	02/04/2016	UNDER	U	N	N	H
						M	K	F
						I	F	L
						E	J	3
						P		5
						L		1
2	20000	Unleaded Gas	02/04/2016	UNDER	U	P	F	K
						I	K	1
						E	N	F
						M	J	H
						N		5
								L
3	22000	Unleaded Gas	02/04/2016	UNDER	U	L	F	H
								3

E	K	3
I	J	5
P	N	1
M		L
N		K
		F

*****Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A or B).**

Most Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company Name
Insurance	07/30/2019	07/30/2022	Great American
Insurance	07/30/2018	07/30/2019	Great American
Insurance	07/30/2014	07/30/2019	Great American

No OPEN violations found!

No Discharge Information Found!

End of Data for Facility #: 9814935



Florida Department of Environmental Protection
 Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400
 Division of Waste Management
 Petroleum Storage Systems
 Storage Tank Facility Routine Compliance Site Inspection Report

Facility Information:

Facility ID:	9814935	County:	ORANGE	Inspection Date:	02/18/2020
Facility Type:	A - Retail Station				
Facility Name:	WAWA FOOD MARKET# 5187			# of inspected ASTs:	0
	14876 NARCOOSSEE RD			USTs:	3
	ORLANDO, FL 32832-6929			Mineral Acid Tanks:	0
Latitude:	28° 20' 54.4458"				
Longitude:	81° 13' 59.3419"				
LL Method:	DPHO				

Inspection Result:

Result: Minor Out of Compliance

Signatures:

TKOREP - ORANGE CNTY ENVIRONMENTAL PROTECTION DIVISION (407) 836-1499

Storage Tank Program Office and Phone Number

Joseph A Savoy

Kylund Heikes

Inspector Name

Representative Name

Inspector Signature

Representative Signature

Principal Inspector

Technician

ORANGE CNTY ENVIRONMENTAL PROTECTION DIVISION

Guardian

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J requires Operator Training at all facilities by October 13, 2018. For further information please visit: <https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training>

Financial Responsibility:

Financial Responsibility: INSURANCE

Insurance Carrier: GREAT AMERICAN

Effective Date: 07/30/2019

Expiration Date: 07/30/2022

Findings:

Class A Owner Training Certificates are present.
 Class B Maintenance Training Certificates are present.
 Class C Operator Training Certificates are present.

Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Annual Operability Test	05/08/2019	Passed	02/21/2020	05/08/2020	High Level Alarm
Annual Operability Test	05/08/2019	Passed	02/21/2020	05/08/2020	Flapper Valves (5)
Annual Operability Test	07/03/2018	Passed	02/21/2020	07/03/2019	High Level Alarm
Annual Inline Leak Detector Test	07/11/2016	Passed	07/13/2016	07/11/2017	All MLLDs tested, post-installation
Annual Operability Test	06/25/2018	Passed	02/21/2020	06/25/2019	Flapper Valves (5)
Annual Inline Leak Detector Test	06/25/2018	Passed	02/21/2020	06/25/2019	5
Breach of Integrity Test	07/10/2018	Passed	02/21/2020	07/10/2019	Spill Buckets (9)
Annual Inline Leak Detector Test	05/08/2019	Passed	02/21/2020	05/08/2020	5
Breach of Integrity Test	05/09/2019	Passed	02/21/2020	05/09/2022	UDC's (8), Tank Sumps (10), Spill Buckets (9)
Annual Operability Test	06/25/2018	Failed	02/21/2020	06/25/2018	TLS-350R High Level Alarm
Annual Operability Test	07/03/2018	Passed	02/27/2020	07/03/2019	TLS-350R
Annual Operability Test	05/08/2019	Passed	02/21/2020	05/08/2020	TLS-350R
Annual Operability Test	07/11/2016	Passed	07/13/2016	07/11/2017	Post-installation test

Reviewed Records

Record Category	Record type	From Date	To Date	Reviewed Record Comment
Two Years	Certificate of Financial Responsibility	04/23/2017	02/18/2020	Great American
Two Years	Monthly Maint. Visual Examinations and Results	02/01/2018	02/01/2020	

Record Category	Record type	From Date	To Date	Reviewed Record Comment
Two Years	Electronic Release Detection Equip. Monthly Checks	12/24/2017	12/10/2019	

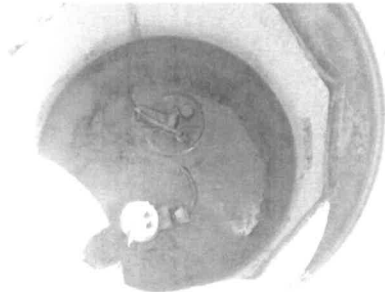
Areas of Concern:

Type: Area of Concern
 Rule: 62-761.700(3)(b), 62-761.700(3)(b)1., 62-761.700(3)(b)2.
 Violation Text: Spill containment, sumps, and interstices not accessible. Water/regulated substances not timely removed. Petroleum contact water not properly managed.
 Explanation: Water within all brine monitoring port sumps.
 Corrective Action: Remove water from containments.

Violation Photos

Added Date 02/27/2020

Water



Violations:

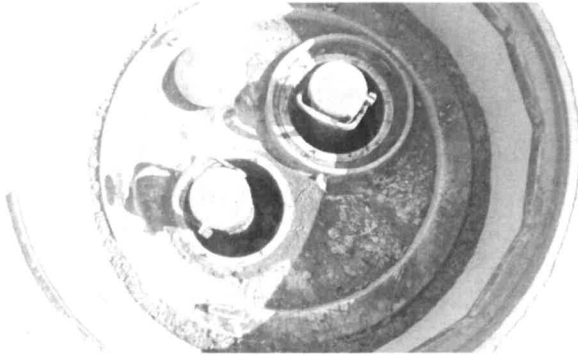
Type: Violation
 Significance: Minor
 Rule: 62-761.700(1), 62-761.700(1)(a), 62-761.700(1)(a)1., 62-761.700(1)(a)2.
 Violation Text: Storage tank system has a not repaired component which has or could cause a release or discharge.
 Explanation: Rubber around all Fill / Vapor lids has deteriorated.
 Corrective Action: Repair or replace material around all Fill / Vapor lids to prevent a discharge.

Violation Photos

Facility ID: 9814935

Added Date 02/27/2020

Rubber Material



Site Visit Comments

02/18/2020

On site for the routine compliance inspection with Guardian Fueling Technologies.

The facility has three 20,000 gallon double wall, brine filled tanks.

The tanks' interstices, fill sumps, STP sumps and dispensers all are monitored with liquid sensors and a Veeder-Root.

The dispensers are in good shape; shear valves, boots and hoses ok.

Water was found in all brine monitoring port sumps.

Rubber was deteriorated around fill / vapor lids for all products

- Please address issue for each Fill / Vapor to prevent a discharge.

All records were e-mailed ahead of time; Insurance, COI, CFR, monthly release detection results, breach of integrity and the required yearly tests.

Placard was onsite along with Bi-annual test records and monthly visuals.

Inspection Comments

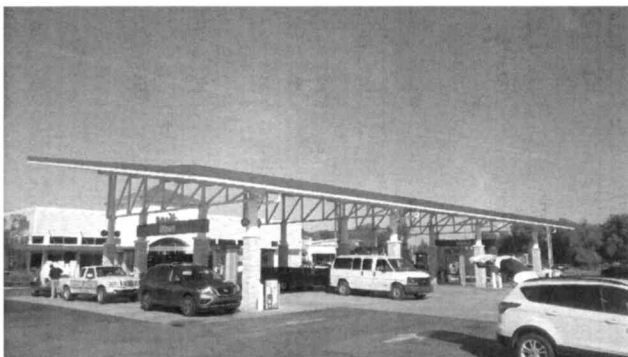
02/27/2020

A signed copy of this report was emailed to Joshua Worth joshua.m.worth@wawa.com.

Inspection Photos

Added Date 02/18/2020

2020/2/18, Store





Florida Department of Environmental Protection

Contracted Local Program
3615 McCrory Place, Suite 200
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nunez
Lt. Governor

Noah Valenstein
Secretary

June 18, 2020

Joshua M. Worth
Wawa Environmental Dept.
Fuel Equipment & Compliance
7022 TPC Dr #200
Orlando, FL 32822
Letter issued via email: Joshua.m.worth@wawa.com

RE: **Return to Compliance**
Orange County – Storage Tanks
Wawa
FDEP Facility # 9814177, 9813690, 9814474, 9814605, 9814935, 9814835

Dear Mr. Worth:

Orange County Environmental Protection Division staff, on behalf of the Florida Department of Environmental Protection (Department), performed a storage tank inspection at the subject facility on or about February 20, 2020, and a Compliance Assistance Offer Letter dated March 11, 2020, was issued.

Documents to resolve violations were received on March 31, and the facility was returned to compliance with the Department's Storage Tank rules and regulations.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact me at 407-558-0744 or joseph.savoy@ocfl.net.

Sincerely,


Joseph Savoy
Environmental Specialist II

Site No. 3

Boggy Creek Food & Gas

**Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Facility Inspection Cover Page
Facility Information**

District: CD	Type: Retail Station
County: Osceola	Status: Closed
Facility ID#: 8735337	Latitude: 28:20:52.3329
Name: Boggy Creek Food & Gas Co	Longitude: 81:14:03.3757
5160 Boggy Creek Rd	LL Method: DPHO
Saint Cloud, FL 34771-7729	LL Status: REVIEWED
Contact: Totaram Mahabeer	Status Date: 02//06/2003
Phone: 407-298-0586	

Account Owner Information

Name: Ks 5160 Boggy Creek Llc	Effective Date: 07/05/2016
2 West Delaware Place	Placard#/Date: 494274 - 09/28/2016
Unit 302	
Chicago, IL 60610	
Phone: 407-810-2604	

Tank Owner Information Tank Owner Information

Name: Ks 5160 Boggy Creek Llc	Effective Date: 07/05/2016
2 W Delaware Pl	
Unit 302	
Chicago, IL 60610-3402	
Phone: 407-810-2604	
Name: Mh 5160 Boggy Creek Llc	Effective Date: 07/05/2016
322 E Central Blvd	
Unit 1004	
Orlando, FL 32801-4327	
Phone: 407-592-0253	

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
1	6000	Unleaded Gas	06/01/1978	UNDER	B			
2	6000	Unleaded Gas	06/01/1978	UNDER	B			
3	6000	Vehicular Diesel	06/01/1978	UNDER	B			
4	6000	Unleaded Gas	01/01/2004	UNDER	B			
5	6000	Unleaded Gas	01/01/2004	UNDER	B			
6	6000	Vehicular Diesel	01/01/2004	UNDER	B			

*****Note: Construction, Piping, and Monitoring Info not shown**

for CLOSED tanks (Status of A or B).

Most Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company Name
Insurance			
None			
Insurance	02/03/2016	02/03/2017	Commerce & Industry
Insurance	02/03/2014	02/03/2015	Commerce & Industry
Insurance	02/03/2013	02/03/2014	Commerce & Industry
Insurance	02/03/2011	02/03/2012	Commerce & Industry
Insurance	02/03/2010	02/03/2011	Commerce & Industry
Insurance	02/03/2005	02/03/2010	Zurich-American
Insurance	12/31/1993	12/31/1998	Fplipa

No OPEN violations found!

Discharge Information

Discharge Date	Cleanup Status	Score	Eligibility Info	Site Manager	Phone
08/03/1995	Inactive	40	Petroleum Liability And Restoration Insurance Program-Partial	Clark_Rw	(407)836-1548
09/17/2001	Completed	26	-	Wisdom_Jm	

End of Data for Facility #: 8735337



October 14, 2019

Mr. Roger Clark
Orange County EPD
3165 McCrory Place, Suite 200
Orlando, Florida 32803

**SUBJECT: Task 4 Remedial Action Interim Report
Boggy Creek Food and Gas Co.
5160 Boggy Creek Road, St. Cloud, Florida
FDEP No. 49/8735337
Contract No. GC743/Purchase Order No. B5A492**

Dear Mr. Clark:

This *Remedial Action Interim Report* (RAIR) summarizes the Task 4 field activities and data collected at the **Boggy Creek Food and Gas Co.** located in **St. Cloud, Florida**.

Field Activities included the collection of six groundwater samples for laboratory analysis on October 2, 2019 and the measurement of depth to water (DTW) at 11 wells. This report includes a summary of the groundwater analytical results and groundwater elevation contours. A site plan depicting monitoring well locations and other property structures is provided as **Figure 1**. This report is submitted as required in Task 4 of the above referenced Purchase Order.

SITE HISTORY

The site formerly utilized six 6,000-gallon underground storage tanks (USTs) to store unleaded gasoline and diesel fuel. The three original USTs were installed in June 1978. A Discharge Reporting Form (DRF) was submitted to the Florida Department of Environmental Protection (FDEP) on August 3, 1995, when a release was detected around the dispenser island during product line upgrade activities. The volume of unleaded gasoline released was unknown. The site was eligible for assistance under the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP). The FPLRIP form mentions impacted soil was excavated from the dispenser area, but no specifics were given. The original USTs were removed from service in December 2003. Closure screening and sample collection was not completed at this time.

Three 6,000-gallon USTs were reinstalled in the area of the former USTs in January 2004. Geosphere Technologies, Inc. (Geosphere) submitted a Closure Assessment Report in May 2004. Geosphere completed two soil borings on the northern side of the dispenser island in April 2004. One soil boring was advanced for soil sampling analysis at 3 feet

below ground surface (ft bgs) and one soil boring was converted into a temporary monitoring well. The analytical results indicated the soil sample contained tested compounds above Soil Cleanup Target Levels (SCTLs), and the groundwater sample collected from the temporary monitoring well contained tested compounds above Groundwater Cleanup Target Levels (GCTLs) and Natural Attenuation Default Concentrations (NADCs).

A Site Assessment Report (SAR) was completed in October 2004 by Ottman and Associates, Inc. (Ottman). Ottman advanced six soil borings and oversaw the installation of five monitoring wells MW-1 through MW-5. A SAR Addendum (SARA) was completed in September 2005 by Ottman. Laboratory analytical results from the groundwater assessment indicated dissolved hydrocarbon concentrations above NADCs in MW-6 located centrally on site. The report also stated the suspected source of contamination was in the area of the former fuel dispensers.

A SAR was completed in May 2006 by Ottman in which the groundwater assessment indicated persistent concentrations of dissolved hydrocarbons above GCTLs in monitoring well MW-9. Total xylene concentrations also exceeded their respective NADC. Another SAR was completed in September 2006 by Ottman in which a confirmatory groundwater sampling event was performed. The results indicated contaminant concentrations above GCTLs in the sample collected from monitoring well MW-9. The site entered into a Level 1 Natural Attenuation Monitoring (NAM) Program in July 2007. The scope of work included groundwater sampling of monitoring wells MW-1, MW-4, MW-6, and MW-9. Laboratory analytical results from groundwater samples collected from all four monitoring wells indicated dissolved hydrocarbon concentrations exceeding GCTLs. Monitoring well MW-6 remained the most impacted well. A second round of NAM groundwater sampling took place in March 2008. The results indicated all four sampled wells remained above GCTLs.

In May 2008, the site was deemed eligible for state funded remediation assistance under the FPLRIP for the August 3, 1995 petroleum discharge. A designation of No Cleanup Required was granted to the September 17, 2001 discharge, and all future assessment and remediation funds were to be to address the 1995 discharge.

A Site Characterization Screening Report was completed by Advanced Environmental technologies, LLC (AET) in May 2013. AET performed groundwater sampling of seven monitoring wells. Laboratory analytical data indicated the presence of contaminant concentrations above their respective GCTLs in two monitoring wells (MW-1 and MW-6) and contaminant concentrations exceeding NADCs in monitoring well MW-6. AET recommended active remediation efforts to be performed when the site priority entered within funding range.

A Template Site Assessment Report was completed by Florida Environmental Regulation Specialists, Inc. (FER) in November 2015. Soil and groundwater assessment activities were performed at the site between September and August 2015. Results of this investigation indicated organic vapor readings in excess of ten parts per million (ppm) at the location of soil boring SB-5 north of the canopy and dispenser island. A soil sample was collected from SB-5 at 3 ft bgs for laboratory analysis. Results indicated total xylenes concentrations present above SCTLs. The depth to groundwater during the assessment was approximately 2 ft bgs. Smear zone soil impacts were observed at the dispenser island (the known discharge location) consistent with results from previous site assessment activities. The horizontal and vertical extent of the impacted soil was not delineated during the 2015 assessment. Groundwater assessment activities included monitoring well installation and sampling. No free product or sheen was observed in the monitoring wells. Laboratory analysis indicated total xylenes above GCTLs in monitoring wells MW-1 and MW-6, consistent with previous assessments. Several other parameters exceeded GCTLs in well MW-6, consistently the most impacted well. Dissolved iron was also reported above its GCTL in monitoring well MW-5. Vertical delineation was completed but additional monitoring wells were recommended to define the horizontal extent of the dissolved hydrocarbon plume. Groundwater was reported at depths between 5.25 ft bgs and 6.54 ft bgs in the shallow monitoring wells during the site assessment. The general directional flow of shallow groundwater was observed to the southeast during the August 12, 2015 groundwater sampling event. Further assessment and potential remedial action efforts were recommended.

Supplemental site assessment was performed by FER and summarized in a Letter Report dated October 18, 2016. Wells FERMW-10 and FERMW-11 were installed in August 2016 and later sampled in September 2016. The sample collected from FERMW-11 contained tested compounds above GCTLs and NADCs.

Between October 31 and November 11, 2016 three 6,000-gallon USTs were removed by Petroleum Technicians, Inc. The USTs were properly disposed of by Johns Scrap Yard.

A Supplement Site Assessment Report (SSAR) was completed by FER on June 7, 2017. Six shallow monitoring wells were installed and sampled. Laboratory analytical results indicated several well locations exceeded NADCs. In order to delineate the southern horizontal gradient extent, FER recommended installing three additional wells, one well south of FERMW-9, one south of FERMW-15, and one east of FERMW-15. Another SSAR was completed by FER on May 7, 2018. Two additional monitoring wells were installed and sampled. Laboratory analytical results indicated exceedances of GCTLs and NADCs in monitoring well FERMW-17. Based on these results, FER recommended installing additional monitoring wells to the west, south, and southeast in order to delineate the shallow groundwater plume.

On December 27, 2018, Earth Systems mobilized to the site to supervise Preferred Drilling Solutions, Inc. (PDS) during the completion of eight soil borings ranging in depth from 10 to 12 ft bgs. Soil samples were collected at one-foot intervals to 6 ft bgs and at 2-foot intervals to 12 ft bgs. During this event, the vadose-zone soil samples produced organic vapor analyzer equipped with a photo-ionization detector (OVA/PID) responses that ranged from 0 ppm to 1,876 ppm (MW-18 at 2 ft bgs). The smear-zone and saturated-zone soil samples produced OVA/PID responses ranging from 0 ppm to 1,853 ppm (MW-18 at 5 ft bgs). Duplicate soil samples from boring locations ESI-1, ESI-3, and MW-18 were collected at the 2 ft bgs interval and analyzed for benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) by EPA Method 8260B, polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270, and total recoverable petroleum hydrocarbons (TRPH) by the FL-PRO Method. An additional aliquot was preserved from each sample for Synthetic Precipitation Leaching Procedure (SPLP) Laboratory extraction and/or for Fractionation by EPA Method 1312.

Tested compounds were detected above Direct Exposure SCTLs in the samples collected from borings ESI-3 and MW-18. Five soil borings were converted into shallow monitoring wells MW-18 through MW-22. Each monitoring well, except for well MW-20, was installed at 12 ft bgs. Well MW-20 was installed at 11.5 ft bgs per the FDEP Site Manager.

On April 11, 2019, Earth Systems mobilized to the site to supervise the completion of thirteen original soil borings and two step-out soil borings ranging in depth from 10 to 20 ft bgs. Soil samples were collected at one-foot intervals to 6 ft bgs and at 2-foot intervals to 10 ft bgs for soil borings ESI-4 through ESI-14, ESI-17, and ESI-18. Soil samples were collected at one-foot intervals to 6 ft bgs and at 2-foot intervals to 20 ft bgs for soil borings ESI-15 and ESI-16. During this event, the vadose-zone soil samples produced OVA/PID responses that ranged from 0 ppm to 2,002 ppm (ESI-15 at 3 ft bgs). The smear-zone and saturated-zone soil samples produced OVA/PID responses ranging from 0 ppm to 2,009 ppm (ESI-15 at 5 ft bgs). Tested compounds were detected above SCTLs in the samples collected from borings ESI-5 and ESI-10. Based on the December 2018 and April 2019 soil analytical data, it appears the eastern dispenser area is an ongoing source area that is leaching into the groundwater. The results of December 2018 through April 2019 activities of Earth Systems were submitted to FDEP in a SSAR dated May 23, 2019.

RECENT GROUNDWATER SAMPLING RESULTS

A new Purchase Order B5A492 was issued to Earth Systems for the site in July 2109 that had two tasks:

- Task1 - a Pre-RAP Conference; and.
- Task 2 - the production of a Limited Scope RAP.

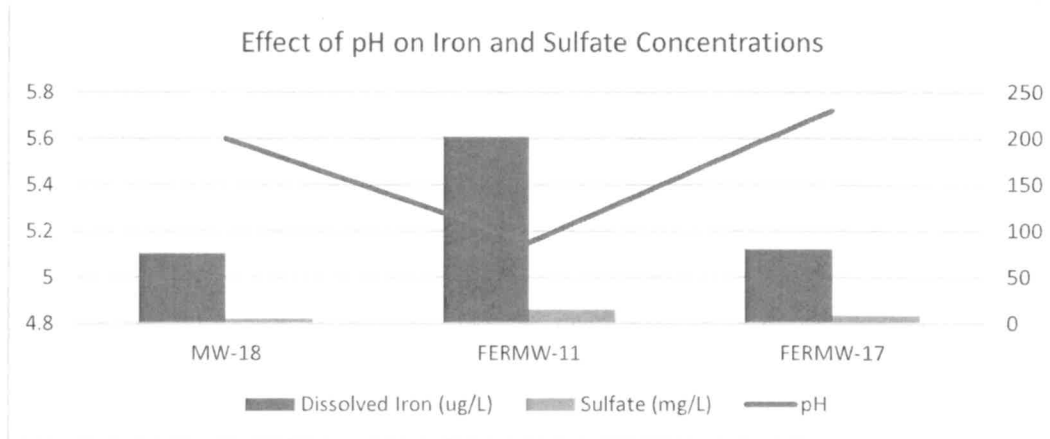
After discussion with the Orange County Environmental Protection Division, a Request for Change (RFC) was filed and approved on August 29, 2019 that added the following:

- Task 3 - the production of a no cost Health and Safety Plan (HASP), to be completed before Task 1; and
- Task 4 - Biological parameter sampling to be completed before the Task 1 Pre-RAP Conference to collect necessary data to finalize bioaugmentation as the remedial approach.

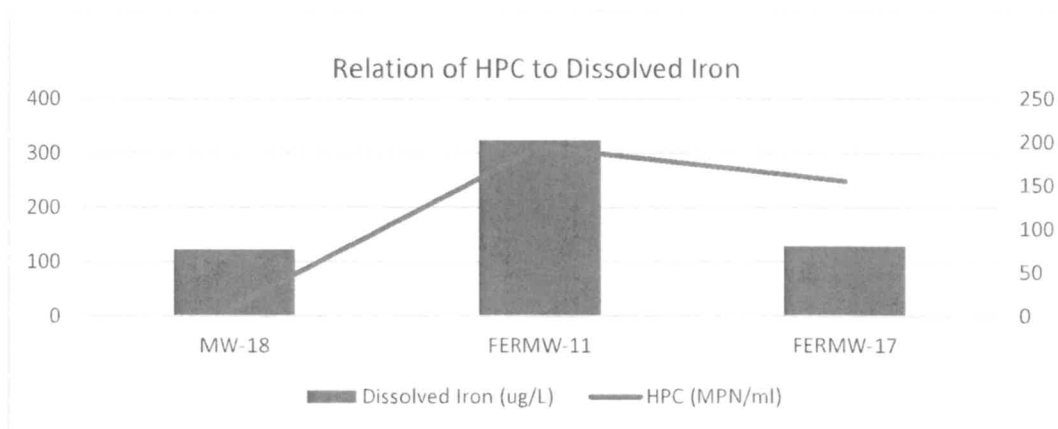
On October 2, 2019, Earth Systems mobilized to the site under Task #4 of the new PO to collect groundwater samples from six monitoring wells: MW-1 (upgradient of plume), MW18 (source area), FERMW-11 and FERMW-17 (within plume at increasing distance from source material); and MW-5 and MW-7 (lateral to plume) to fully characterize conditions. In addition, DTW measurements were taken at an additional four wells (in MW-2, MW-3, FERMW-12, and FERMW-13). A fifth well, MW-20, could not be located for a DTW reading.

Groundwater Analytical Results: The October 2, 2019 samples were to determine the necessary baseline parameters for a bioremediation option that is to be discussed in the Task #2 Pre-Rap Conference. The samples were analyzed for nitrogen species, phosphate, dissolved iron, sulfate, total organic carbon, and total dissolved solids (TDS) as well as having a heterotrophic plate count done on each sample. While not critical for determining bioaugmentation conditions, TDS is one of the required parameters for almost all bioaugmentation injections per FDEP approval letters, so this sampling will also serve as the background sample for compliance with an Underground Injection Control permit. The results of the biological treatment parameter sampling are provided in **Table 1**. **Appendix A** contains the field notes from the sampling event, field calibration logs, groundwater sampling forms, laboratory analytical results and the Chain of Custody Form.

The data indicate that background dissolved iron levels are high, measured at 1590 µg/L in the lateral well MW-5 and 296 µg/L in the up-gradient well MW-1. The dissolved iron concentration drops significantly within the contaminant plume area, ranging from 76 µg/L at the source well MW-18 to 80.4 µg/L in the down-gradient plume well FERMW-17. The variation in the concentration of dissolved iron and sulfate in the system is mainly a function of pH. The solubility of ferrous sulfate (FeSO₄) decreases significantly at a pH greater than 5.5 as iron hydroxides precipitate. As shown below, both the iron and sulfate increase in FERMW-11 when the pH drops below 5.5 (solubilizing ferrous sulfate). This is consistent with the data from other wells which show high levels of iron and sulfate when the pH is below 5.5 (MW-1 and MW-5) and significantly lower levels of these two analytes with the pH is above 5.5 (MW-7).



The dissolved oxygen data clearly show that aerobic degradation would be extremely limited without the addition of oxygen to the system through air sparging. However, the data do indicate some limited anaerobic degradation of BTEX compounds may be occurring. Although significantly slower than aerobic degradation, research has shown that anaerobic degradation of aromatic compounds plays a major role for bioremediation processes, and increased knowledge on the anaerobic oxidation of aromatic compounds¹. Besides the reduction of soluble electron acceptors such as nitrate and sulfate, iron(III) reduction is thought to play a major role for the reduction of hydrocarbons at contaminated sites and the biodegradation of BTEX compounds under iron-reducing conditions in situ has been shown in the field². Data from the site shows a correlation between the concentration of heterotrophic bacteria and dissolved iron.



¹ c.f. Spormann, A. M., and F. Widdel (2000): Metabolism of alkylbenzenes, alkanes, and other hydrocarbons in anaerobic bacteria. *Biodegradation*, Vol. 11, pp. 85-105.

² e.g. Heidrich, S., H. Weiss, and A. Kaschl (2004): Attenuation reactions in a multiple contaminated aquifer in Bitterfeld (Germany). *Environ. Pollution*, Vol. 129, pp. 277-288.

The samples were not analyzed for hydrocarbon contamination as those analyses had recently been completed in both January 2019 and April 2019 and reported in the May 2019 SSAR. Those results of both these sampling events indicate that the extent of the contamination has not changed significantly from previous sampling events. The groundwater analytical data collected during the April 2019 sampling event for Volatile Organic Carbon contaminants and Metals are provided in **Table 2A** and analytical results for PAHs and TRPH are provided in **Table 2B**. **Figure 2** graphically presents an overview of the recent and historic groundwater analytic data and the status of the contaminated groundwater plume.

Groundwater Flow Direction: Depth-to-water readings ranged from 3.80 feet below top-of-casing in FERMW-17 to 5.95 feet below top-of-casing in FERMW-11. Based on the groundwater elevation data collected on October 2, 2019, groundwater flow at the site is toward the east-southeast. These data are consistent with groundwater elevation contours and flow directions found in previous sampling events. The groundwater elevation data and monitoring well construction details, are summarized in **Table 3**. A groundwater elevation contour map is included as **Figure 3**.

CONCLUSIONS and RECOMMENDATIONS

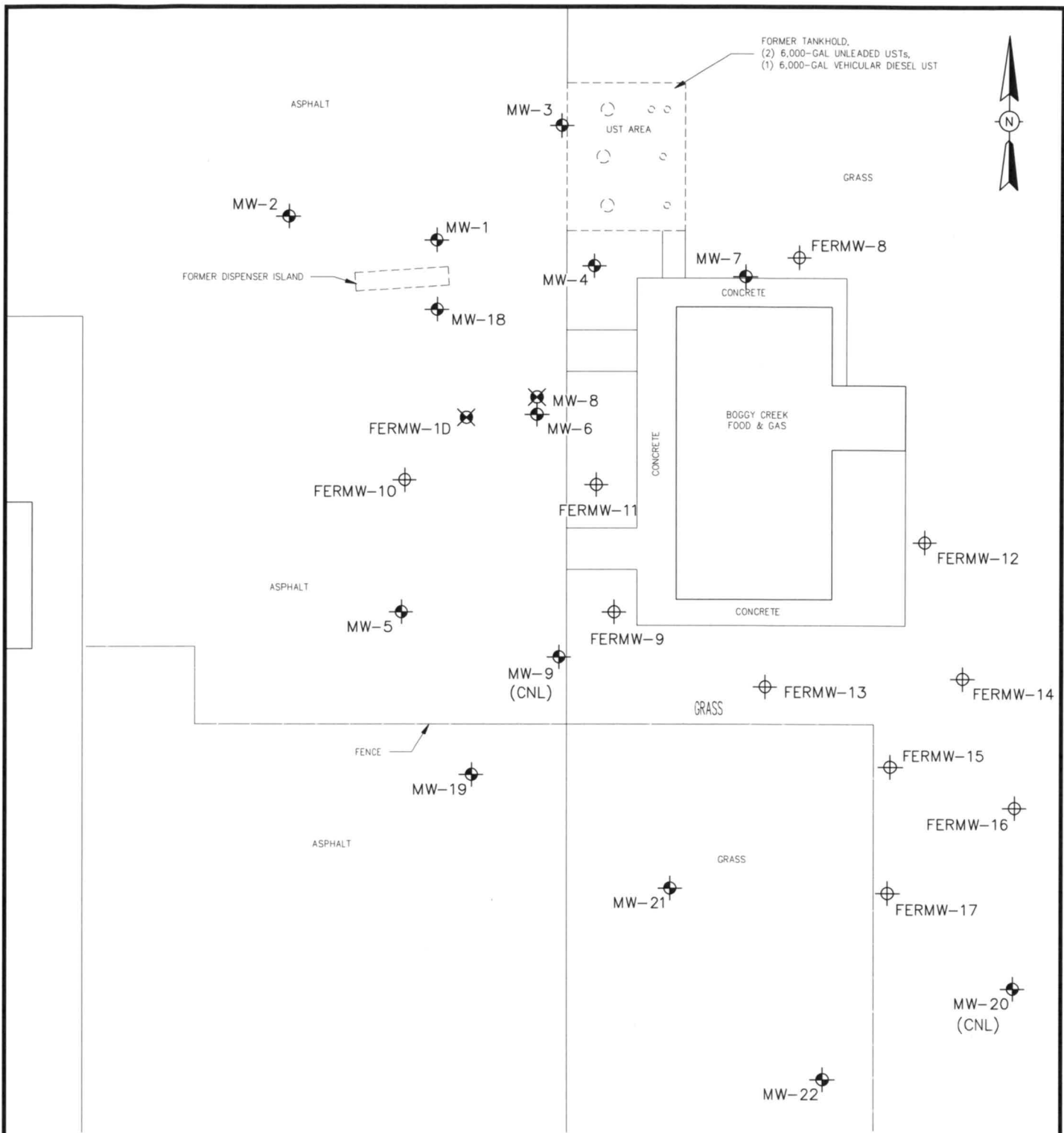
Based on the information from the data collected during the October 2, 2019 sampling event, Earth Systems concludes that the condition and extent of the contamination at the site has not changed significantly. The data also indicate that bioremediation of the site may be possible, but significant consideration must be given to the electron acceptor to be used. If aerobic degradation is desired, it is probable that oxygen will need to be injected into the system. The data indicate however, that a slower anaerobic degradation option may be feasible. The portion of the BTEX contamination in the southern portion of the site may be best addressed with biosparging, but the installation of permanent biosparge wells would possibly interfere with proposed site development by the owners.

If you have any questions or comments concerning this report, please do not hesitate to contact me at (904) 247-0740.




Sincerely,
EARTH SYSTEMS



Mark A. Tumeo, PhD, JD, PE
Senior Engineer



LEGEND

-  MONITORING WELL LOCATION
-  DEEP MONITORING WELL LOCATION
-  FER INSTALLED MONITORING WELL LOCATION
- (CNL) COULD NOT LOCATE



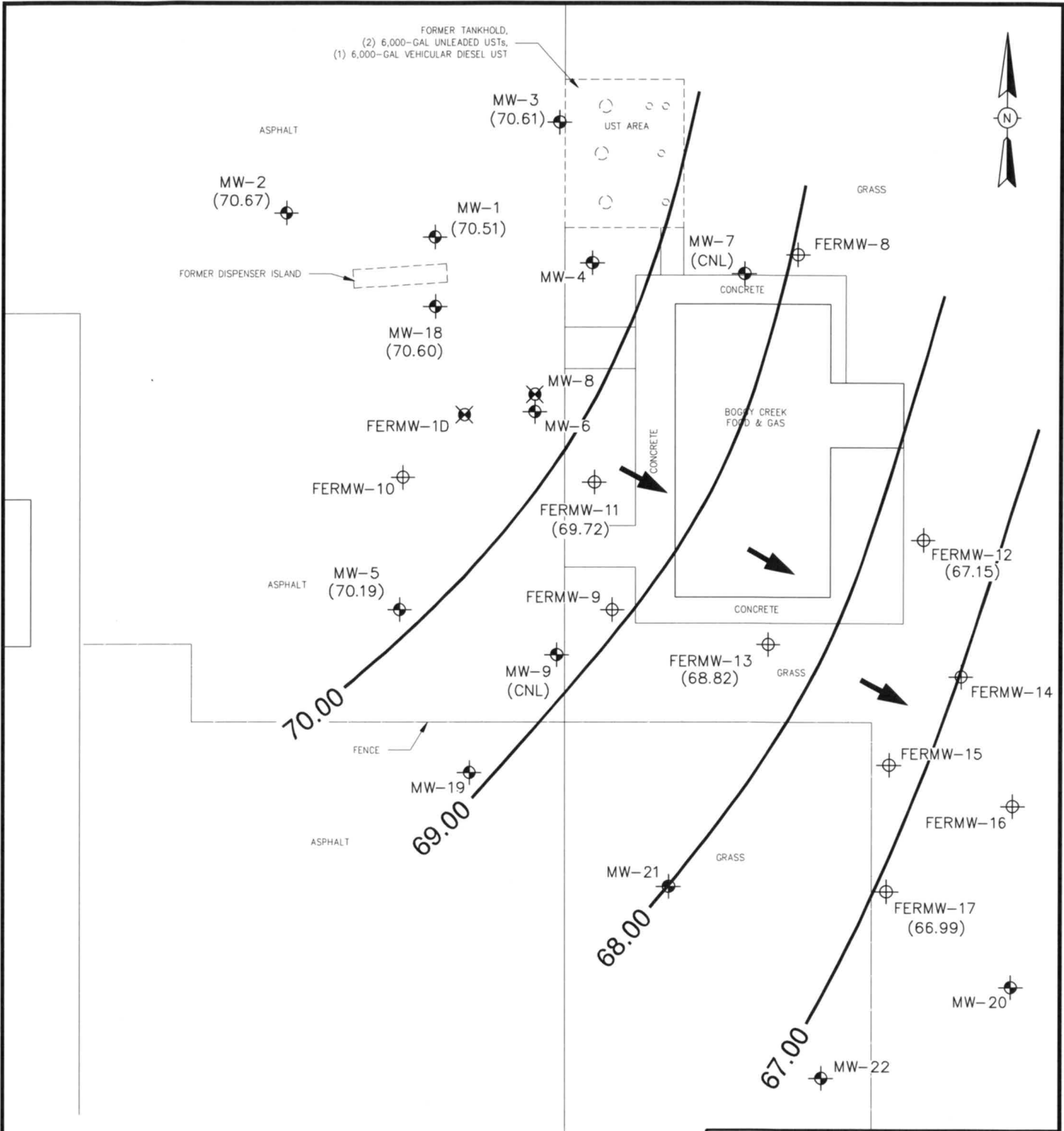
(SCALE IN FEET)

SITE MAP

Boggy Creek Food & Gas Co.
FDEP FAC. ID NO.: 49/8735337
5160 Boggy Creek Road, St. Cloud, Florida



Figure 1



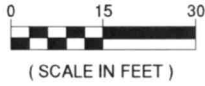
LEGEND

- MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- FER INSTALLED MONITORING WELL LOCATION
- (CNL) COULD NOT LOCATE
- (70.67) GROUNDWATER ELEVATION (FT.)
- 70.00 — GROUNDWATER CONTOUR (FT.)
- DIRECTION OF GROUNDWATER FLOW

**GROUNDWATER
ELEVATION
CONTOUR MAP
(OCTOBER 2, 2019)**

Boggy Creek Food & Gas Co.
FDEP FAC. ID NO.: 49/8735337
5160 Boggy Creek Road, St. Cloud, Florida

Earth Systems **Figure 2**



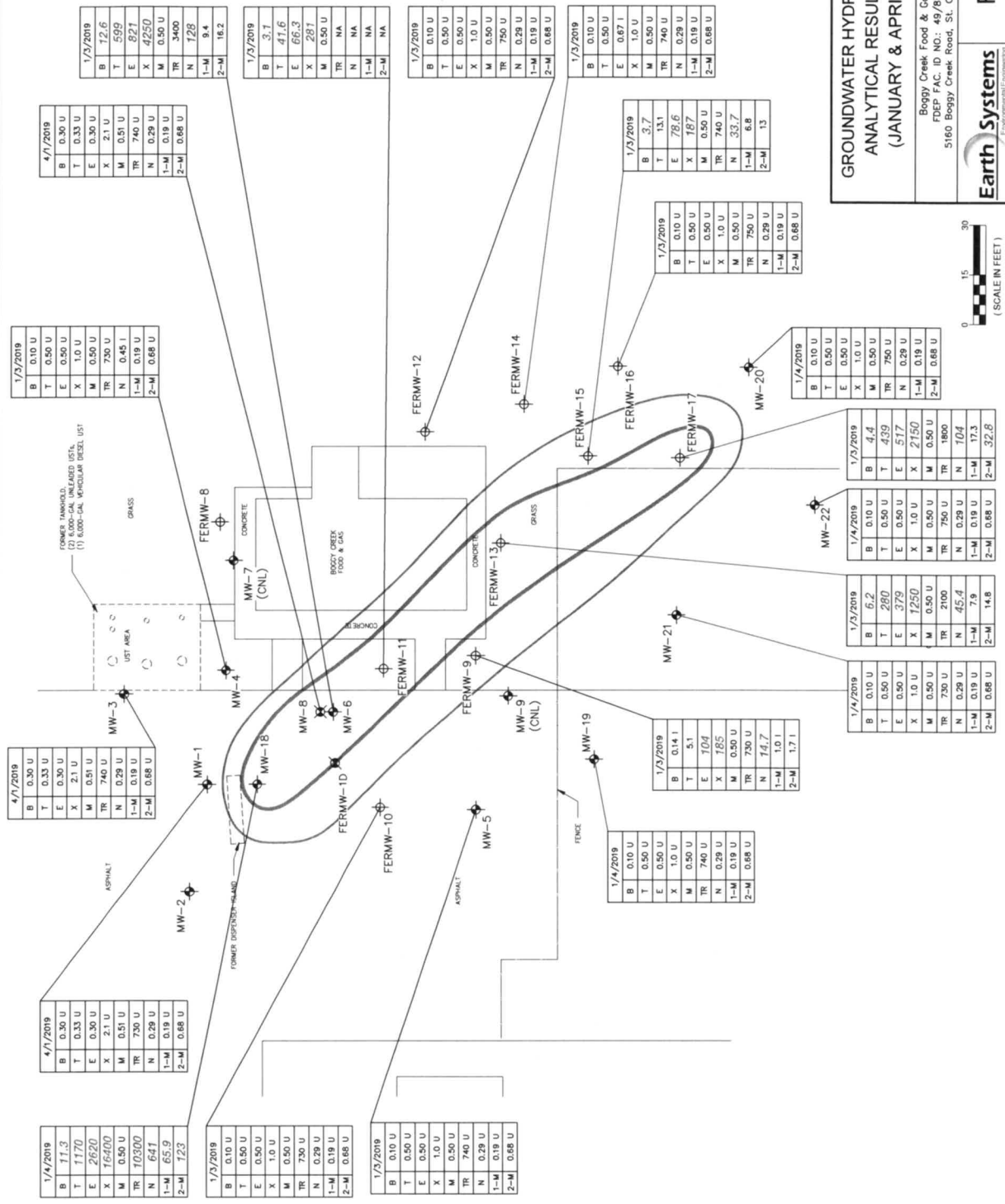
10/19 FIG2



GROUNDWATER HYDROCARBON ANALYTICAL RESULTS MAP (JANUARY & APRIL 2019)

Boggy Creek Food & Gas Co.
 FDP FAC. ID NO.: 49/873337
 5160 Boggy Creek Road, St. Cloud, Florida

Figure 3



0 15 30
 (SCALE IN FEET)

LEGEND

MONITORING WELL LOCATION
 DEEP MONITORING WELL LOCATION
 FER INSTALLED MONITORING WELL LOCATION
 OVA PARTS PER MILLION
 BLS BELOW LAND SURFACE
 B BENZENE (ug/L)
 E ETHYLBENZENE (ug/L)
 T TOLUENE (ug/L)
 X TOTAL XYLENES (ug/L)
 M MTBE (ug/L)
 TR TRIPH (ug/L)
 N NAPHTHALENE (ug/L)
 1-M 1-METHYLNAPHTHALENE (ug/L)
 2-M 2-METHYLNAPHTHALENE (ug/L)
 U BELOW LAB DETECTION LIMIT
 1 MDL < RESULTS < REPORTING LIMIT
BOLD CONCENTRATIONS EXCEED GDCLs
BOLD CONCENTRATIONS EXCEED GDCLs
 ESTIMATED EXTENT OF GDCL EXCEEDANCE
 GDCLs GROUNDWATER CLEANUP TARGET LEVELS
 NADCS NATURAL ATTENUATION DEFAULT CONCENTRATION LEVELS

Site No. 4

Floridian RV Resort WWTF

Facility Detailed List Report

Number of Facilities = 1

Facility Info									
Facility ID	County	Status	EPA ID	Other ID	Old Fac. ID	Follow Up			
103985	Osceola	A - Active - Waste Generator	FLR000129056			N - None Needed			
Facility Name	Mailing Address	Location Address	Contact	Title	Phone	E-mail Address			
Floridian Rv Resort	5150 Boggy Creek Rd Saint Cloud, FL 34771	5150 Boggy Creek Rd Saint Cloud, 34771	Mike	Maint. Supv.	(407) 892-5171	na			
SIC Code	Gen Stat	Total HW Disposal	Data Type	Date	Org Contact	Org Code			
7033 - Services - Trailer Parks And Campsites	N - NOT A HAZARDOUS WASTE GENERATOR	0	V - Verification By On-Site Visit	12/3/2019	Mike Bryant	49 - Osceola			
Full-Time Employees		Facility Updated Date							
4		12/3/2019 1:12:03 PM							
Comments:									
Comment Date	Comment								
9/28/2009	Ber Responded To A Spill, It Was Cleaned Up And They Built A Storage Area For The Residents To Place Their Used Oil And Used Paint.								
12/3/2019	Used Oil Is Left At The Maintenance And Was Stored Outsie 5 Gallons, Told Them To Take To Saint Cloud For Recycle And To Not Store Outside								
Waste Info									
Waste Type	Storage Method	Disposal Method	Mo. (Units)	Max Mo. (Lbs)	Lbs/Year	Disposal Location	Ques Storage	Ques Disposal	RCRA Hazardous
UPEO - Used Oils & Other Lubricants	C1 - 0-9 Gallon Container	EU - Shipped For Used Oil Recycling	5 (GALLONS)	38	457	Off-Site	N	N	N
Comments: Taken To Discount Auto Now-I Explained Our Cesqg Program									
Activity Info									
Activity Type	Description	Activity Date	Return To Compliance Date						
Facility has no corresponding activity information.									

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emergency Response Incident Report

Incident #: 2000-71-7740Z	County: Osceola	Latitude: Longitude:	Incident Date: 05/23/2000 Incident Time: 01:00 AM US/EASTERN
-------------------------------------	---------------------------	---	---

OER Employee Receiving Report:	OER Responses:	Reported Date: 05/23/2000 Reported Time: 01:00 AM US/EASTERN
---------------------------------------	-----------------------	---

Incident Reported By:

Location of Incident: Camp City 5150 Boggy Creek Road	Nearest City/Town: ORLANDO
---	-----------------------------------

Threat to U.S Navigable Waters? No Describe Threat:	Confirmed/Potential:
--	-----------------------------

Descriptions:	Modes:	Media Affected:	Actions:
----------------------	---------------	------------------------	-----------------

Incident Contractors:

Incident Parties:

Company Name: Camp City	Party Type: Responsible Party,
Address: FL US	
Phones:	
Contact Person:	Insurance Company: Policy#:

Pollutants:					
Pollutant Name	Category	Potential Amount	Actual Amount	Unit Of Measure	Determined By
Chlorine	Chlorine		1000.00	pounds	

--

Coastal Category:	(Landward COLREG Line)	(Seaward COLREG Line)
No Minor	< 1000 gallons	< 10,000 gallons
No Moderate	1000 to 10,000 gallons	10,000 to 100,000 gallons
No Major	> 10,000 gallons	> 100,000 gallons

Agencies Responded:

Agencies Notified:

FOSC Notified: No

Date:

FOSC Response: No

Name of FOSC Notified:

Time:

Narrative:

OER/State On-Scene Coordinator: Date:

Hours spent:

Federal On-Scene Coordinator:

*The above actions were properly taken and coordinated with the National Contingency Plan (NCP, 40 CFR 300)

ID#

Fax#

Fax#

Date:

Print

Sign:

Print

Sign:

OER Response Information

OER On-Scene Coordinator:

Arrival Date:

Arrival Time:

Incident #:

2000-71-7740Z

PERSONNEL EXPENSES:

TRANSPORTATION EXPENSES:

PPE EXPENSES:

SAMPLING EQUIPMENT EXPENSES:

EXPENDABLE EXPENSES:

INSTRUMENTATION EXPENSES:

MISCELLANEOUS EXPENSES:

Incident Narrative:

Approved By:

Date:

Site No. 6

High Plains Debris Management Site



**Florida Department of
Environmental Protection
Inspection Checklist**

FACILITY INFORMATION:

Facility Name: HIGH PLAINS DEBRIS MANAGEMENT SITE

On-Site Inspection Start Date: 03/14/2018

On-Site Inspection End Date: 03/14/2018

WACS No.: 104869

Facility Street Address: 4369 BOGGY CREEK RD

City: KISSIMMEE

County Name: OSCEOLA

Zip: 34744

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Brad Whidden, Inspector

Other Participants: No Representative,

INSPECTION TYPE:

Routine Closure Inspection for WPF - Disaster Debris Management Site (DDMS)

COMMENTS:

Department personnel observed that all debris had been removed and there was no evidence of a pollutant release. The Department has not taken nor reviewed any environmental sampling results for this site. In accordance with the Amended Consolidated Emergency Final Order OGC No. 17-0989 (the Order), the Department declares this site to be properly closed as of the date of inspection. Waste materials are no longer authorized to be stored or processed on this site.

Inspection Date: 03/14/2018

Signed:

Brad Whidden
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE

Brad Whidden
PRINCIPAL INSPECTOR SIGNATURE

DEP
ORGANIZATION

03/14/2018
DATE

No Representative
REPRESENTATIVE NAME

NO SIGNATURE REQUIRED
REPRESENTATIVE SIGNATURE

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Not Ok" or areas of concern.

Report Approvers:

Approver: Christine Daniel

Inspection Approval Date: 03/16/2018

Site No. 7

Austin Tindall Debris Management Site

From: FDEP GENERATED LETTER (DO NOT REPLY)
To: lbar@osceola.org;
cc: Larissa.Pallo@em.myflorida.com; Monique.Carby@em.myflorida.com;
Subject: Debris Staging Area Authorization Letter - WACS ID 98038, PRE2012 (Sent By: whidden_b)
Date: Tuesday, May 01, 2012 4:13:32 PM



Florida Department of Environmental Protection

Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor
Jennifer Carroll
Lt. Governor
Herschel T. Vinyard Jr.
Secretary

Sent via email to: lbar@osceola.org

Date: 5/1/2012

A. Daniel Sheaffer
750 S. Bass Road
Kissimmee, FL 34746

RE: 2012 - Pre-Authorization for Disaster Debris Management Sites (DDMS)

Dear A. Daniel Sheaffer:

This is to notify you that on 5/1/2012, we approved your request for pre-authorization of a disaster debris management site (DDMS) located in Osceola County for 2012. Disaster debris includes hurricane/storm-generated debris and all other types of disaster debris.

The Department has evaluated your request for a DDMS at the following location:

WACS ID: 98038
Austin Tindall Site
Austin Tindall Park near Boggy Creek, Osceola County
Lat 28:20:0.5 / Long 81:16:31.92
Type(s) of Debris Managed: Yard Trash

In the event of a major storm event or other disaster which results in the Department issuing an Emergency Final Order (the Order) for your county, you may begin using this temporary DDMS as necessary, while also requesting issuance of a field authorization from the Department. Once activated, a DDMS is subject to the following conditions, in addition to the requirements of the Order and Florida Statute 403.7071:

1. Standing water must not be allowed to accumulate in or within 50 feet of areas used to store or process disaster debris;
2. The Department must be notified in writing when the site is opened and begins accepting debris, and when the site is closed and stops accepting debris;
3. Access must be controlled to prevent unauthorized dumping and scavenging;
4. A DDMS must have spotters to correctly identify and segregate waste types for appropriate management;
5. Once the site is open, a spotter must be located in the area where waste is being deposited in order to spot and remove prohibited waste items;
6. The DDMS is limited to managing the type(s) of debris listed above; any putrescible waste received at the DDMS must be removed from the site within 48 hours; all other types of prohibited waste should be managed in accordance with the guidance document (see link below);
7. Unless otherwise approved by the Department in response to a written request from you, the DDMS must cease operation and all disaster debris must be removed from the sites on or before the expiration date of an Order that has been executed by the Department, unless it is modified or extended by further authorization.

Failure to comply with the conditions of the field authorization, or failure to adequately close a site by the required closure date, may result in enforcement action by the Department.

The Department has also prepared a guidance document on the establishment, operation and closure of a DDMS for disaster debris. This guidance includes recommended practices, which you are expected to follow as much as practicable, as well as additional requirements from the Order. A copy of this guidance document is available on the DEP website http://www.dep.state.fl.us/mainpage/em/files/debris_guidance.pdf

If you have any questions or comments on this approval letter, please feel free to contact Brad Whidden by E-mail at Brad.Whidden@dep.state.fl.us or by phone at (407)893-3328, Ext. 2238. In order to provide better service to you, the Department is using electronic documents as much as possible. Please provide your E-mail address when replying.

Sincerely,



5/1/2012

Tom Lubozynski
Waste Program Administrator
Central District

Date

TL / bw

Cc: Larissa.Pallo@em.myflorida.com , Monique.Carby@em.myflorida.com

This letter generated by whidden_b.

Site No. 8

Florida Sterling Investments / Kelly Property



Florida Department of
Environmental Protection
Inspection Checklist

FACILITY INFORMATION:

Facility Name: KELLY PROPERTY
On-Site Inspection Start Date: 03/19/2009
On-Site Inspection End Date: 03/19/2009
WACS No.: 97757
Facility Street Address: 3600 Boggy Creek Rd
City: Kissimmee
County Name: OSCEOLA
Zip: 34744

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Sandeep Janwadkar, Inspector

Other Participants: Mike Bryant, Pollution Prevention Inspector; Gloria-Jean DePradine, Compliance and Enforcement Supervisor

INSPECTION TYPE:

Complaint Investigation Inspection for Other Facilities - Waste Tire Site facility

ATTACHMENTS TO THE INSPECTION CHECK LIST:

This Cover Page to the Inspection Checklist may include any or all of the following attachments as appropriate.

SECTION 13.0 - COMPLAINT INVESTIGATIONS

Inspection Date: 03/19/2009

SECTION 13.0 - COMPLAINT INVESTIGATIONS

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(16)) Completed	Ok	Not Ok	Unk	N/A
13.1	Unauthorized storing, processing, or disposing of solid waste except at a permitted solid waste management facility or a facility exempt from permitting under this chapter. 62-701.300(1)(a)				✓
13.2	Unauthorized storing, processing, or disposing of solid waste in a manner or location that causes air quality standards to be violated or water quality standards or criteria of receiving waters to be violated. 62-701.300(1)(b)				✓
13.3	Unauthorized disposal/storage prohibited, except yard trash, within 500' of a potable water well? 62-701.300(2)(b)		✓		
13.4	Unauthorized disposal/storage prohibited, except yard trash, within 1000' of a potable water well serving a community water system? 62-701.300(2)(h)			✓	
13.5	Unauthorized disposal/storage in a dewatered pit without liner or leachate controls? 62-701.300(2)(c)			✓	
13.6	Unauthorized disposal/storage prohibited in an area subject to frequent and periodic flooding unless flood protection measures in place? 62-701.300(2)(d)	✓			
13.7	Unauthorized disposal/storage prohibited in any natural or artificial body of water including ground water? 62-701.300(2)(e)			✓	
13.8	Unauthorized disposal/storage prohibited, except yard trash, within 200' of any natural or artificial body of water, including wetlands without permanent leachate controls, except impoundments or conveyances which are part of an on-site, permitted stormwater management system or on-site water bodies with no off-site discharge? 62-701.300(2)(f)		✓		
13.9	Unauthorized storage, or disposal on the right of way of any public highway, road or alley? 62-701.300(2)(g)				✓
13.10	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	✓			
13.11	Are the following prohibited wastes or special wastes properly managed? (Check any that are Not OK)				
13.11.1	Hazardous waste 62-701.300(4)				✓
13.11.2	Biomedical waste 62-701.300(6)				✓
13.11.3	Yard trash 62-701.300(8)(c)				✓
13.11.4	Whole waste tires 62-701.300(8)(e)		✓		
13.11.5	Putrescible household waste 62-701.730(4)(c) [C&D facilities only]				✓
13.11.6	Regulated asbestos waste 62-701.730(19) [C&D facilities only]				✓
13.11.7	Used oil, except as exempted 62-701.300(11)				✓
13.11.8	Lead-acid batteries, mercury-containing switches and lamps in WTEs 62-701.300(9)				✓
13.11.9	PCB wastes 62-701.300(5)				✓
13.11.10	Lead-acid batteries 62-701.300(8)(a)				✓
13.11.11	White goods 62-701.300(8)(d)				✓
13.11.12	Liquids 62-701.300(10)				✓
13.12	Unauthorized storage/disposal of yard trash prohibited within the minimum setbacks of 100 feet for potable water wells (except on-site), 50 feet for water bodies and 200 feet for community water supply wells? 62-701.300(12)	✓			
13.13	Waste tire prohibitions:				
13.13.1	Maintaining a waste tire site consisting of more than 1500 tires unless an integral part of a permitted waste tire processing facility. 62-711.400(1)		✓		
13.13.2	Disposing of waste tires except as permitted at a permitted solid waste management facility. 62-711.400(2)		✓		
13.13.3	Storage of waste tires unless the waste tires are:				

Inspection Date: 03/19/2009

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(16)) Completed	Ok	Not Ok	Unk	N/A
13.13.3					
13.13.3.1	Collected and stored at a permitted waste tire collection center 62-711.400(4)(a)				✓
13.13.3.2	Collected and stored before processing at a waste tire site which is an integral part of a permitted waste tire processing facility. 62-711.400(4)(b)				✓
13.13.3.3	Collected and stored before processing and recycling or disposal in a permitted solid waste management facility. 62-711.400(4)(c)				✓
13.13.3.4	Collected and stored at a facility exempt under 62-711.300. 62-711.400(4)(d)				✓

Pre-existing Area Of Concern:

Rule: 62-701.300(2)(b)
 Question Number: 13.3
 Explanation: Waste tire piles appeared to have been disposed off within 500 feet of water well at the site
 Corrective Action: Remove and dispose off the waste tires in accordance with Rule 62-701, F.A.C. and Rule 62-711, F.A.C.

Rule: 62-701.300(2)(f)
 Question Number: 13.8
 Explanation: Waste Tires piles appeared to be within 200 feet of the wetlands at the site
 Corrective Action: Remove the waste tires and dispose off in accordance with Rule 62-701, F.A.C. and Rule 62-711, F.A.C.

Rule: 62-701.300(8)(e)
 Question Number: 13.11.4
 Explanation: Waste tires were found at the site. See attached photos
 Corrective Action: Remove the waste tires from the site for final disposal at a permitted solid waste disposal facility

Rule: 62-711.400(1)
 Question Number: 13.13.1
 Explanation: Waste tires being stored at the site without Department authorization
 Corrective Action: Remove the waste tires for final disposal at permitted solid waste management facility

Rule: 62-711.400(2)
 Question Number: 13.13.2
 Explanation: Waste tires being stored at the facility w/o Department authorization
 Corrective Action: Remove the waste tires for final disposal at permitted solid waste management facility

Inspection Date: 03/19/2009

COMMENTS:

03/26/2009

Item 13.2: The community water supply wells in the area were not located or identified during the inspection.

Item 13.4: No subsurface investigation was conducted as part of this inspection to determine subsurface disposal of waste or tires

Item 13.6: No subsurface investigation was conducted as part of this inspection to determine subsurface disposal of waste or tires

03/26/2009

On 03/19/09, FDEP Solid Waste Section Representatives, along with Osceola County Pollution Prevention Inspector conducted an inspection of the property located at 3600 Boggy Creek Road, Kissimmee, FL in response to complaint regarding unauthorized disposal of waste tires, and other construction and demolition debris at the site. This site is located at the intersection of the Boggy Creek Road and Lake Vista Road in Kissimmee, FL. Review of the Osceola County Property Appraisal Office records indicate that the property is listed as Parcel No 03253000000800000 consisting of 2.941 Acres of Industrial Acreage and the Owner is listed as Kelly John F TR at 3020 N Federal Highway, Fort Lauderdale, FL 33306.

Upon arrival at the site, a preliminary walkthrough of the site was performed along the Lake Vista Road. Several piles of tires and construction and demolition debris were visible from outside the property fence line. A potable water well was also observed within the property along the property fence line. The property fence line was damaged and not secure in one section along the Lake Vista Road. Site photographs taken during the visit are also attached herewith.

ATTACHMENTS:

Construction & Demolition Debris



C&D Debris and Waste Tire Piles

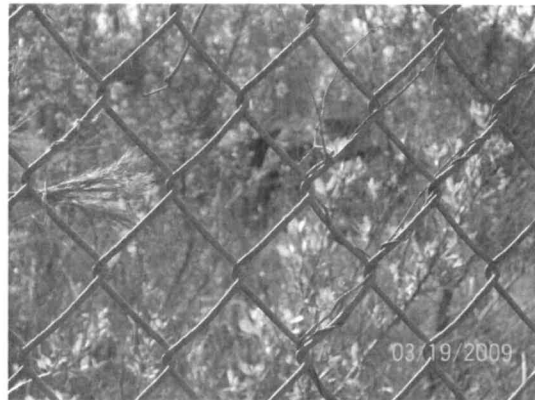


Inspection Date: 03/19/2009

C&D Debris Pile



Waste Tire Pile



Waste Tires at the site



Property Fenceline Lake Vista Rd



Inspection Date: 03/19/2009

Signed:

Sandeep Janwadkar
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE


PRINCIPAL INSPECTOR SIGNATURE

FDEP
ORGANIZATION

10/5/2009
DATE

Mike Bryant
INSPECTOR NAME

Pollution Prevention Inspector
INSPECTOR TITLE

NO SIGNATURE
INSPECTOR SIGNATURE

Osceola County
ORGANIZATION

Report Approvers:

Gloria-Jean DePradine
SUPERVISOR NAME

Compliance and Enforcement Supervisor
SUPERVISOR TITLE

NO SIGNATURE
SUPERVISOR SIGNATURE

FDEP
ORGANIZATION

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Not Ok" or areas of concern.



**Florida Department of
Environmental Protection
Inspection Checklist**

FACILITY INFORMATION:

Facility Name: FLORIDA INVESTMENTS LTD

On-Site Inspection Start Date: 11/07/2014

On-Site Inspection End Date: 11/07/2014

WACS No.: 97757

Facility Street Address: 3600 Boggy Creek Rd

City: Kissimmee

County Name: OSCEOLA

Zip: 34744

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Wanda Y. Parker-Garvin, Inspector

Other Participants: None; DePradine_G, Inspector; Mike Bryant, Inspector

INSPECTION TYPE:

Complaint Investigation Inspection for Other - Unauthorized Waste Tire Site facility

ATTACHMENTS TO THE INSPECTION CHECK LIST:

This Cover Page to the Inspection Checklist may include any or all of the following attachments as appropriate.

SECTION 13.0 - COMPLAINT INVESTIGATIONS

Inspection Date: 11/07/2014

SECTION 13.0 - COMPLAINT INVESTIGATIONS

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(18)) Completed	Ok	Not Ok	Unk	N/A
13.1	Unauthorized storing, processing, or disposing of solid waste except as authorized at a permitted solid waste management facility or a facility exempt from permitting under this chapter? 62-701.300(1)(a)				✓
13.2	Unauthorized storing, processing, or disposing of solid waste in a manner or location that causes air quality standards to be violated or water quality standards or criteria of receiving waters to be violated? 62-701.300(1)(b)				✓
13.3	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)			✓	
13.4	Unauthorized disposal or storage in a dewatered pit without liner or leachate controls? 62-701.300(2)(c)			✓	
13.5	Unauthorized disposal or storage prohibited in any natural or artificial body of water including ground water and wetlands? (Does not apply to standing water after a storm event.) 62-701.300(2)(d)		✓		
13.6	Unauthorized disposal or storage prohibited, except yard trash, within 200 feet of any natural or artificial body of water, including wetlands without permanent leachate controls, except impoundments or conveyances which are part of an on-site, permitted stormwater management system or on-site water bodies with no off-site discharge? 62-701.300(2)(e)	✓			
13.7	Unauthorized storage or disposal on the right of way of any public highway, road or alley? 62-701.300(2)(f)	✓			
13.8	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	✓			
13.9	Are the following unauthorized wastes or special wastes properly managed? (Check any that are Not OK)				
13.9.1	CCA treated wood being ground into mulch, compost, or any wood product that is applied to the ground or burned 62-701.300(14)				✓
13.10	Unauthorized storage or disposal of yard trash within 100 feet of potable water wells (except on-site), and/or 50 feet of water bodies? 62-701.300(12)				✓
13.11	Waste tire prohibitions:				
13.11.1	Maintaining a waste tire site consisting of more than 1500 tires that is not an integral part of a permitted waste tire processing facility. 62-711.400(1)		✓		
13.11.2	Disposing of waste tires except as permitted at a permitted solid waste management facility. 62-711.400(2)		✓		
13.11.3	Storing waste tires only as a part of a waste tire collection center, permitted waste tire processing facility, permitted solid waste management facility, or other exempt facility. 62-711.400(4)				✓
13.11.4	Contracting with only registered or exempt waste tire collectors for the transportation, disposal, or processing of more than 25 waste tires. 62-711.400(5)				✓

Inspection Date: 11/07/2014

Current Violations:

Rule: 62-701.300(2)(d)
Question Number: 13.5
Explanation: Waste tires appeared to have been disposed of and/or stored in a wetland area.
Corrective Action: Remove the waste tires from the site for final disposal at a permitted solid waste facility or permitted waste tire processing facility within 30 days of receipt of the inspection report.

Rule: 62-711.400(1)
Question Number: 13.11.1
Explanation: Waste tires disposed of and/or stored at the site exceeded the waste tire limit of 1500.
Corrective Action: Property owner must remove all waste tires from the property and dispose of at permitted facility within 30 of receipt of the inspection report.

Rule: 62-711.400(2)
Question Number: 13.11.2
Explanation: Waste tires disposed of and/or stored at the site exceeded the waste tire limit of 1500.
Corrective Action: Property owner must remove all waste tires from the property and dispose of at permitted facility within 30 of receipt of the inspection report.

COMMENTS:

11/10/2014

A complaint was received on October 14, 2014. The site was inspected by FDEP and Osceola County representative. The inspection was also used as a training activity.

Ronald Hand is the registered agent for both Florida Sterling Investments, LTD, Trigon Asset Management Corp (general partner) and is listed as the PD of Trigon Asset Management. Florida Sterling Investment, LTD is the owner of the properties located at 3600 Boggy Creek Road and Lake Vista Drive (Parcel 102530000005200000).

The registered agent of the responsible party's contact information is:

Ronald M. Hand, P. A.
122 South Rose Avenue
P. O. Box 422637
Kissimmee, Florida 34741
407-846-6133 voice
407-846-3664 facsimile
rmh@rhandpa.com

Ms. Parker-Garvin and Ms. DePradine met Mr. Bryant on the property at 10:00am. The entrance to the property had an empty warehouse and was partially fenced. The site contained numerous piles of tires were observed in excess of 1500 waste tires. Several tires appeared to be in and within 200 feet of a wetland area.

Inspection Date: 11/07/2014

Corrective actions would include removal of all waste tires from the property.

ATTACHMENTS:

Waste tire pile



Lack of access control



Tires in wetland area



Vegetation around tires



Inspection Date: 11/07/2014

Signed:

Wanda Y. Parker-Garvin
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE

NO SIGNATURE
PRINCIPAL INSPECTOR SIGNATURE

FDEP
ORGANIZATION

DePradine_G
INSPECTOR NAME

Inspector
INSPECTOR TITLE

NO SIGNATURE
INSPECTOR SIGNATURE

FDEP
ORGANIZATION

Mike Bryant
INSPECTOR NAME

Inspector
INSPECTOR TITLE

NO SIGNATURE
INSPECTOR SIGNATURE

Osceola Cty Pollution Control
ORGANIZATION

None
REPRESENTATIVE NAME

NO SIGNATURE
REPRESENTATIVE SIGNATURE

Supervisor: Lisa A. Kelley

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Not Ok" or areas of concern.



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

November 9, 2017

Florida Sterling Investments LTD
122 South Rose Avenue
Kissimmee, FL 34741

Trigon Asset Management Corp
122 South Rose Avenue
Kissimmee, FL 34741

Re: Agreement OGC No. 16-0439
Florida Sterling Investments, LTD
Trigon Asset Management Corp
Osceola County

Dear Mr. Hand:

Based on the Site Access Agreement referenced above, the Department's contractors and employees completed the waste tire abatement activities at the site on or about August 8, 2017.

Attached is a copy of a final report for your review and records.

The Department appreciates your efforts to maintain this site in compliance with state and federal rules. Should you have any questions or comments, please contact Gloria-Jean DePradine at (407) 897- 4312 via e-mail at Gloriajean.depradine@dep.state.fl.us

Sincerely,

A handwritten signature in black ink, appearing to read "Sirena Davila".

Sirena Davila, Manager

Enclosure: Inspection Report

cc: Willian W. Gwaltney, Senior Assistant General Counsel, Bill.Gwaltney@dep.state.fl.us>
Michell M. Smith, Government Analyst II, Michell.M.Smith@dep.state.fl.us
Fawn Brown, FDEP OGC, fawn.brown@dep.state.fl.us



Florida Department of
Environmental Protection
Inspection Checklist

FACILITY INFORMATION:

Facility Name: FLORIDA STERLING INVESTMENTS LTD

On-Site Inspection Start Date: 08/04/2017

On-Site Inspection End Date: 08/04/2017

WACS No.: 97757

Facility Street Address: 3600 Boggy Creek Rd

City: Kissimmee

County Name: OSCEOLA

Zip: 34744

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Gloria-Jean N. De Pradine, Inspector

Other Participants: Cliff McFadden, Manager/Contractor

INSPECTION TYPE:

Routine Closure Inspection for Other - Unauthorized Waste Tire Site

COMMENTS:

The waste tire abatement activities commenced at the site on July 28, 2017. The activities were completed as of Friday August 4. Approximately 22 trailer loads of waste tires were removed from the site totaling 306.21 tons (30621 PTE). Approximately 90% of the waste tires were on rims, and deteriorated. The waste tires were move to the front of the property forming one pile and loaded from this location unto the trailers. The waste tires were weighed at CAT Scale located at ACME Truck Stop, Turnpike Exit 254, Orlando FL.

All other solid waste including vehicle parts were not removed by the Department contractors. The uneven areas and tire tracks were leveled by the contractor prior to leaving the site. All equipment was removed by August 8, 2017.

ATTACHMENTS:

Storage prior to taken offsite



Storage Pile #1



Inspection Date: 08/04/2017

Storage area Pile #2&3



Solid waste left onsite



Site after abatement



Storage area Pile #4



Site before abatement



Inspection Date: 08/04/2017

Signed:

Gloria-Jean N. De Pradine
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE


PRINCIPAL INSPECTOR SIGNATURE

DEP
ORGANIZATION 09/01/2017
DATE

Cliff McFadden
REPRESENTATIVE NAME

Manager/Contractor
REPRESENTATIVE TITLE

NO SIGNATURE REQUIRED
REPRESENTATIVE SIGNATURE

Empire Tires
ORGANIZATION

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Not Ok" or areas of concern.

Report Approvers:

Approver: Sirena Davila

Inspection Approval Date: 09/05/2017

Site No. 11

T&W Enterprises / Williams Pit

InterOffice Memo

To: File
From: Gregory H. Graham
Date: July 19, 1994
Subject: Phone Conversation with Chuck Thompson

I spoke with Chuck Thompson on July 12, 1994, about the July 7, 1994, field inspection. At the time of the inspection it would appear as if he is disposing of materials other than clean fill at his site. I informed him, once again, that only clean fill could be used to fill in the lake and that any other materials would have to be removed. He agreed and said that this would be done. In addition he agreed to write a letter to the Department stating that he was aware that only clean fill could be used to fill in the lake. Chuck also said that he would fax the disposal receipts from last year for the materials that he had cleaned up at the site.

File
Osceola Co. Chuck
Thompson Enf. Files

MEMO TO FILE

DATE: August 23, 1993
FROM: Gregory Graham *GG*
REF.: Telephone Conversation with Chuck Thompson
PHONE: (407) 348-0386

Spoke with Chuck Thompson this morning on the speaker phone with RBT, SW, and myself. Chuck said that he has hired ten men to clean up the site and has hauled off several truck loads to P&D landfill (formerly Best Landfill). He said that he has one truck load that he has not hauled off yet. he also said that he is regrading the slopes to 5:1 around the pond. He said that his father is ill and he^{is} be out of town until after the first of September but when he returns to call and schedule an site visit to close out the subject case. I told Chuck I would call him after the first to schedule a site visit.



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee

To _____	Location _____
To _____	Location _____
To _____	Location _____
From _____	Date _____

Interoffice Memorandum

MEMO TO FILE

TELEPHONE CONVERSATION

FROM: Chuck Thompson DATE: 3-4-93 TIME: _____
FILE NO.: _____ PHONE NUMBER: 407-348-0386 (unlisted)
SUBJECT: T & W Nursery, Inc. - WL on disposal of C & D in lake

talked to Chuck Thompson about WL Grey and Rob hand delivered to him this morning about 7:00 AM. He said he removed all the materials from the lake he disposed of there last summer and had them stockpiled on his property waiting for further instructions from DER. He said outside of that load he disposed of last summer he has only put concrete and dirt in the lake to try and build up the sides some to keep them from falling into lake. Lake was a borrow area and has steep sides. He ~~said~~ said he put a clay parking lot in back for his landscaping business trucks. He cleared some pine trees to do this. He also has a pile of mulch from demucking the area for his clay parking lot. He stated he has not dumped into the lake since last summer when DER told him to stop. He also said he has a problem with runoff water from his neighbor's property and has tried to put clean fill around some lake borders to control this. This consisted of concrete and fill dirt only, no wood waste.

I told Mr Thompson we had trouble getting into touch with him but had tried. We will get back with him now that we have his phone number.

SIGNED: Richard T. [Signature]



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

~~Carol M. Browner, Secretary~~

Virginia R. Wotterck, Secretary

17 February, 1993

Chuck Thompson
3485 Boggy Creek Road
Kissimmee, Florida 34744-9462

Hand Delivered by
Gregory Graham
OWL-SW-93-0004

Attn: Chuck Thompson

Osceola County - SW
Chuck Thompson Open Dump
Warning Letter - Class II

A field inspection conducted by a representative of the Department on July 29, 1992 at 3485 Boggy Creek Road, in Osceola County, Florida indicates that a violation of Chapter 403, Florida Statutes, and the rules promulgated thereunder may exist at the above described facility. Department personnel observed the following at the above described facility:

- 1) Approximately 1 acre of low lying land had been filled in the back of the property with what appeared to consist largely of construction and demolition debris. According to Rule 17-701.300(1)(a)&(f), no person shall store, process, or dispose of solid waste except at a permitted solid waste management facility or a facility exempt from permitting under this chapter, and no person shall dispose of solid waste in any natural or artificial body of water including ground water.

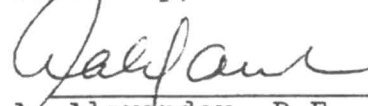
You are advised that any activity at your facility that may be contributing to violations of the above described statutes and rules should be ceased immediately. Operation of a facility in violation of state statutes or rules may result in liability for damages and restoration, and the judicial imposition of civil penalties up to \$10,000 per violation per day pursuant to Sections 403.141 and 403.161, Florida Statutes. The violations and suggested corrective actions are set forth in Attachment I of the solid waste inspection report.

You are requested to contact Gregory H. Graham, E.I. or Laxsamee Levin of this office within 15 days of receipt of this Warning Letter to arrange a meeting with Department personnel to discuss the issues raised in this Warning Letter. You may wish to consult an attorney and to have the attorney attend the meeting with the Department.

Osceola County - SW
Chuck Thompson Open Dump
Warning Letter - Class II
Page 2

PLEASE BE ADVISED that this Warning Letter is part of an agency investigation preliminary to agency action in accordance with Section 120.57(4), Florida Statutes. The purpose of this letter is to advise you of potential violations and to set up a meeting to discuss possible resolutions to any potential violations that may have occurred for which you may be responsible. If the Department determines that an enforcement proceeding should be initiated in this case, it may be initiated by issuing a Notice of Violation or by filing a judicial action in accordance with Section 403.121, Florida Statutes. If the Department issues a Notice of Violation, and you are named as a party, you will be informed of your rights to contest any determination made by the Department in the Notice of Violation. The Department can also resolve any violation through entry into a Consent Order.

Sincerely,



A. Alexander, P.E.
District Director



AA/gg

August 6, 1992
Chuck Thompson Open Dump
Solid Waste Inspection Report

I. Introduction

On July 29, 1992, Gregory H. Graham (FDER) visited the subject site. The visit follows a complaint (SW92-0036) of dumping solid waste in a water body. Upon arrival at the site the writer spoke with a Mr. Chris Youngblood. Mr. Youngblood informed the writer that the subject property belongs to a Mr. Chuck Thompson.

II. Site Description

The site is located at 3485 Boggy Creek Road, Kissimmee, in Osceola County, Florida.

The area within the property boundary appears to be approximately 3 acres with 1 acre being used as an open dump. There are two buildings at the location. One building is the residence of Mr. Thompson. The second building appeared to be a work shop of some type. Directly behind the workshop is the area within the property boundary that is being used for waste disposal.

III. Site Inspection

Upon inspection of the site, the following was noted:

1) Approximately 1 acre of low lying land had been filled in the back of the property with what appeared to consist largely of construction and demolition debris. The waste had also been pushed into the water in the adjoining water body.

IV. Conclusion

In conclusion it would appear as if Mr. Thompson is in violation of the Department's solid waste regulations. The regulations prohibit the disposal of construction and demolition debris without a permit. Secondly, the regulations prohibit the disposal of solid waste in water.

Report prepared by:

Gregory H. Graham
Gregory H. Graham, E.I.
Engineer
Solid Waste Program

ATTACHMENT I

List of Possible Violations and Suggested Corrective Actions:

- 1) Regulation: Rule 17-701.300(1)(f), F.A.C.

Possible Violation: Mr. Thompson is filling a water body with solid waste.

Suggested Corrective Action:

- a) Do not dispose of any more construction and demolition debris at the site.
- b) Remove all construction and demolition debris disposed of at the site and in the water to a Department approved facility for disposal within 90 days from receipt of this letter of non-compliance. The closest approved landfills to the subject location would be either Bass Road Landfill or Best Landfill.
- c) Provide the Department with tipping receipts from the landfill in which the debris is disposed of.
- d) Contact Gregory H. Graham upon completion of the above described corrective action so that an inspection can be made to close out the subject case.

Florida Department of Environmental Regulation
Solid Waste Program
Unauthorized Solid Waste Disposal Site

Date 7/29/92 Inspected By Gregory Graham
Site Name Chuck Thompson Open Dump
Site Location 3485 Boggy Creek Road, Kissimmee
Owner Chuck Thompson
Mailing Address 3485 Boggy Creek Rd., Kissimmee, FL 34744-9462
Telephone () _____ DOB: _____
Operator Chuck Thompson
Mailing Address _____
Telephone () _____ DOB: _____
Is the site secured? yes
Estimated Length of Operation 1 year

Part I Permit Exemptions

A solid waste permit is not required for the following activities provided that there are no public nuisance, health and environmental effects or local ordinance violations. Do any of the following permit exemptions apply?

1. Disposal by persons of solid waste resulting from their own activities on their property provided the waste is from their residential property or is rocks, soils, trees, tree remains and other vegetative matter from land development operations. Rule 17-701.320(2)(a) F.A.C. yes____ no
2. On-site disposal of construction and demolition debris provided that it meets the solid waste prohibition requirements (Part I of this checklist) and closure requirements outlined in 17-701.803(9) F.A.C. Rule 17-701.320(2)(c) yes____ no
3. Clean debris which is used as fill material. Rule 17-701.320(2)(d) F.A.C. yes____ no
4. Disposal of solid waste resulting from normal farming operations. Rule 17-701.320(2)(e) F.A.C. If burning of crop packing materials, contact Air Program. yes____ no

Promiscuous Dump Checklist

Page 3

- (f) In any natural or artificial body of water including ground water, Rule 17-701.330(2)(f) F.A.C. yes no
- (g) Within 200 feet of any natural or artificial body of water, including wetlands within the jurisdiction of the Department, except bodies of water contained completely within the property boundaries of the disposal site, which do not discharge from the site to surface waters or demonstration of permanent leachate control methods being in compliance with water quality standards, 17-302 and 17-520 F.A.C. and stormwater requirements 17-25 F.A.C.), Rule 17-701.300(2)(g) F.A.C. yes no
- (h) On the right of way of any public highway, road, or alley, Rule 17-701.300(2)(h) F.A.C. yes no
4. Is solid waste being burned at the site (except disaster debris)? Rule 17-701.300(3) F.A.C. yes no
If "yes", describe burning method (e.g. open burn, incinerator or air curtain incinerator): _____
5. Is solid waste disposed of at the site a regulated hazardous waste? Rule 17-701.300(4) F.A.C. yes no
If "yes", refer to Hazardous Waste Section
6. Is untreated biohazardous waste knowingly disposed of at the site? Rule 17-701.300(5) F.A.C. yes no
7. Is a sanitary landfill located within 3,000 feet of Class I surface waters? (applicable only for a new landfill) Rule 17-701.300(6) F.A.C. yes no n/a
8. Are lead-acid batteries disposed of at the site? Rule 17-701.300(7)(a) F.A.C. yes no
9. Is used oil disposed of at the site? Rule 17-701.300(7)(b) F.A.C. yes no
10. Is yard trash disposed of in a lined landfill classified by Department? Rule 17-701.300(7)(c) F.A.C. yes no n/a
11. Are white goods disposed of at the site? Rule 17-701.300(7)(d) F.A.C. yes no

MEMO TO FILE

DATE: December 8, 1992
FROM: Gregory H. Graham, E.I.
REF: Follow Up Inspection of Chuck Thompson Open Dump

On December 8, 1992, I met with Clyde Jordan (Game&Fish) at the subject site. We arrived at the site at 9:20 A.M. Upon inspection of the site it was determined that the construction and demolition debris that had been disposed of as fill in the lake behind Chuck Thompson's house had not been cleaned up. Clyde had issued Mr. Thompson a warning notice on September 9, 1992, requesting that the unclean fill be removed. It appeared to the both of us that Mr. Thompson had not cleaned up the site but rather had brought in and placed clean fill over the construction and demolition debris disposed of in earlier operations.

MEMO TO FILE

DATE: October 29, 1992
FROM: Gregory H. Graham, E.I.
REF: Telephone Conversation with Clyde Jordan
(Game&Fish) about Chuck Thompson Open Dump

I spoke with Clyde Jordan who informed me that he had wrote Mr. Thompson a Warning Notice on September 16, 1992, in reference to the disposal of construction and demolition debris in the lake behind Mr. Thompsons house. Clyde also told me that the language in the warning notice addresses the removal of the C&D debris within 30 days. Clyde informed Mr. Thompson that he could fill the lake if he used "Clean Fill". I told Clyde that I would try and make a site visit to determine if any further dumping has occurred since my last site visit of September 30, 1992. Clyde will be returning from Miami on November 16 and a plan of action will be formulated based on the next site visit.

RBO

MEMO TO FILE

DATE: September 30, 1992
REF: Chuck Thompson Open Dump

On September 30, 1992, Gregory H. Graham revisited the site referred to as the Chuck Thompson Open Dump. This site is located at 3485 Boggy Creek Road, Kissimmee, in Osceola County, Florida. The purpose of the visit was to hand deliver a "Letter of Non-compliance" which was returned certified mail, and to verify whether dumping was continuing at the site since the last visit.

Upon arrival at the site the writer went to the residence of Mr. Thompson and knocked on the door. No one answered so the "Letter of Non-compliance" was inserted firmly in the porch screen door handle in hopes that Mr. Thompson would receive it and discontinue dumping in the lake behind his house.

It was determined from inspection of the site that large quantities of dumping have been occurring since the previous site visit. It would appear as if Mr. Thompson is planning on reclaiming a 4 acre lake behind his house by filling it with construction and demolition debris.

The next plan of action is to contact Clyde Jordan, Game & Fish, to assist the writer in enforcing the Department's Solid Waste Regulations.

Charles Thompson Property
Inspection Report
December 2, 1999

Introduction:

On December 2, 1999, representatives of the Department, accompanied by officers of DEP Law Enforcement Division and personnel from Osceola County Enforcement conducted an inspection on property owned by Charles Thompson. The purpose of the inspection was to determine the status relative to unauthorized disposal of solid waste on a portion of the property ("site").

Site Description:

The Property site is located at 3485 Boggy Creek Road. Section 3, Township 25 South, Range 25 East, Osceola County, Florida,

Inspection:

During the course of the inspection the following was noted:

1. Used oil dumped along the property line, dead vegetation, brown in color, dirt dark brown in color, soggy and strong odor of fuel in the general vicinity.
2. The ground in front of the barn (garage) was discolored and appeared oily also strong odors of fuel emanating from the soil.
3. One 5-gallon container marked hydraulic fluid was at the rear door of the garage, there was some spillage unto the ground forming a circular pattern on the ground. The grass and weeds around the container was brown in color.
4. There were several small areas where the soil appeared oily at the rear of the garage.
5. Adjacent to the rear door of the garage were several old vehicles including two trucks, one pickup, tractors, engines and other vehicle parts.
6. Two piles of solid waste stored adjacent to the pond. A large portion of the waste consisted of construction and demolition (C&D) debris, other waste included landclearing debris (brush), concrete slabs, garbage bags that appear to contain household waste, two mattresses, lights fixtures.
7. Across from the C&D was an area consisting of old vehicles cars, trucks, waste tires, empty drums.

8. Four batteries were observed in an inoperable pickup truck, along with other debris.
9. The pond is being filled with material other than clean fill. Waste such as paint buckets, Clorox bottle, plastic, wood, landclearing debris, caulking tube cardboard was observed in the filled area of the lake.

Conclusion:

A portion of this property is used as an unauthorized disposal site for C&D debris. All the solid waste at the site must be removed and disposed at a permitted solid waste management facility.

All unauthorized waste used to fill the pond must be removed and properly disposed at an appropriate permitted facility.

ATTACHMENT

List of Potential Violations and Suggested Corrective Actions

1. **Section 403.161(1)(b) Florida Statutes, (F.S.) and Rules 62-701.300(1)(a) and (2)(f) Florida Administrative Code, (F.A.C).**

No person shall store, process, or dispose of solid waste except at a permitted solid waste management facility.

Potential violation: Construction and Demolition debris was stored on site adjacent to the pond. Several waste tires were stored close to the property line. Used batteries and several inoperable vehicles and parts were observed on the property.

2. **Rules 62-701.300 (1)(b)** No person shall store or dispose of solid waste in manner or location that causes air or water quality standards or criteria of receiving waters to be violated.

Potential Violation: Solid waste such as landclearing debris was observed in the pond and appeared to be used as filled material.

Suggested Corrective Action(s) Items (1&2) Owner/operator must remove all solid waste including C&D debris, waste tires, batteries and vehicle remnants from the site within 30 days of receipt of this letter. All waste removed from the site must be recycled or disposed at a permitted solid waste management facility. The owner must submit copies of tipping receipts as proof of proper disposal of the waste.



Jeb Bush
Governor

Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

December 16, 1999

CERTIFIED MAIL
Z 291 348 843

T and W Enterprises
Post Office Box 450866
Kissimmee, Florida 34745-0866

OCD-HW-C/E-99-0398

Attention: Chuck Thompson, Owner

Osceola County – HW
T and W Enterprises
Corrective Actions

Dear Mr. Thompson:

A hazardous waste compliance inspection was conducted at your facility on December 2, 1999. This inspection was conducted under the authority of Section 403.091, Florida Statutes, and Chapter 403, Part IV, Florida Statutes. The inspection is designed to determine the compliance status of your facility with 40 CFR 260-268, adopted in Florida Administrative Code Chapter (F.A.C.) 62-730 and compliance with used oil regulations found in 40 CFR 279 and F.A.C. 62-710. During this inspection, possible violations of rules regarding hazardous waste and used oil management were noted. The purpose of this letter is to seek your cooperation in resolving these matters.

The inspection was initiated by a complaint that the business mismanaged used oil and improperly disposed of used oil by dumping it on the ground along the fence. Also, it was stated that there were cracked lead-acid batteries lying on the ground. The facility was also alleged to be operating an unpermitted landfill and filling the on-site pond with illegal fill. Department inspectors accompanied law enforcement officers to the facility, which was served with a criminal search warrant, as technical support.

"More Protection, Less Process"

Printed on recycled paper.

T and W Enterprises
December 10, 1999
Page 2

This letter will address only the mismanagement of wastes under the jurisdiction of the above regulations and to serve as guidance for coming into compliance. Clean up of the contaminated soils will need to be addressed, but until the analytical analysis results from the soil sampling are received the level and method of clean up cannot be determined.

The inspection revealed that your facility may be mismanaging potentially regulated wastes, including used oil, waste paint, waste thinner, lead-acid batteries, and water generated from pressure washing commercial vehicles.

The soil along the fence to the south of the garage that separates the Thompson property from the adjacent property at the corner of Gus Road and Boggy Creek Road appears to be contaminated with used oil. Vegetation along the fence is stressed and in some cases dead. **Immediately begin collecting all used oil in containers. The drum/container must be in good condition, and not leak. This drum/container must be labeled "Used Oil" per 40 CFR 279.22(c)(1). Used oil may only be disposed of through a register used oil transporter, a list is enclosed.**

Behind the garage on the northeast corner was an open 5-gallon bucket that appeared to contain hydraulic oil. The contents of the container were leaking onto the ground. The grass and vegetation beneath the bucket was stressed and discolored. Immediately put the contents of this container into another container that is compatible and can be closed. Within 5 days of your receipt of this letter contact the Department to verify the contents in the container. If it is hydraulic fluid contaminated with water it is considered water contaminated used oil. **This container must be labeled "Used Oil" per 40 CFR 279.22(c)(1). Used oil may only be disposed of through a register used oil transporter, a list is enclosed.**

Two used oil filters, one blue and one red, were located in the brush along the fence. In front of the garage was a 5-gallon bucket containing approximately five used oil filters and a garbage can containing one used oil filter. You indicated that used oil filters are disposed in the non-regulated garbage that ultimately is disposed of in the Osceola County Landfill. Per 62-710.850(1) F.A.C., no person who removes or managed used oil filters shall dispose of such filters in a landfill or commingle such filters with other solid waste for disposal in a landfill. **Immediately begin collecting used oil filters in above ground containers which are clearly labeled "Used Oil Filters" and which are in good condition with no visible leakage. The containers should be kept closed or otherwise protected from weather and stored on an oil-impermeable surface. Used oil filters may only be disposed of through registered used oil filter processors, which is included on the enclosed list of used oil transporters.**

Located in the bed of an El Camino in the northeast corner of the property were four lead-acid batteries, one missing a cap and another was cracked. Spent lead/acid batteries that are not recycled are subject to regulation as a hazardous waste. Immediately remove the

batteries from the bed of the El Camino and place on an impervious surface to prevent damage to the environment in case of breakage. Within 5 days of your receipt of this letter, contact the Department and supply the name of the battery recycler that will take your spent batteries. Upon approval of the battery recycling facility the batteries must be disposed of through that facility immediately and a copy of the disposal record/manifest provided to the Department. If you choose not to recycle your batteries you must notify the Department immediately and manage them as hazardous waste until a waste determination is performed.

Located in the garage were various paints, solvents and a spray paint gun. You stated at times you perform painting operations on your vehicles and that the waste thinners were disposed of with your used oil. Immediately collect all paint waste and thinners separately from used oil. This wastestream must have a waste determination performed per 40 CFR 262.11. If you are going to continue painting operations contact the Department within 5 days of your receipt of this letter for further guidance. Guidance on hazardous waste management a list of registered hazardous waste transporters is enclosed.

Also, located in the garage was a small sand blasting unit. You stated that you no longer use the unit. If you decide to use the unit in the future contact the Department for further guidance. Spent sandblast media may be a hazardous waste upon generation and is subject to 40 CFR 262.11, waste determination.

Commercial vehicles are pressure washed in the drive in front of the garage. The drive is made up of concrete washout, which is not impervious, and is heavily stained. The wash water is classified as an industrial waste and as such may not be appropriate to discharge to the ground surface. Florida Statutes, Chapter 403.087 – Permits; general issuance; denial; revocation; prohibition; penalty stated that:

- (1) No stationary installation which will reasonably be expected to be a source of air or water pollution shall not be operated, maintained, constructed, expanded, or modified without an appropriate and currently valid permit issued by the Department unless exempted by Department rule.

Other State Statutes and Regulations such as F.S. 403.161, 62-4.030 F.A.C. and 62-620.300 F.A.C. also require a permit or an exemption.


The Facility was operating without a valid industrial wastewater permit issued by the Department. All pressure washing of vehicles must immediately cease until either a wastewater discharge permit is received or an exemption is granted. Within 5 days of your receipt of this letter, contact the Department's Industrial Permitting Engineer, Gene Elliott at (407) 894-7555, to inquire about an industrial waste discharge permit and/or exemption.

T and W Enterprises
December 10, 1999
Page 4

At the time of the inspection, inspectors were unable to review disposal receipts for used oil. In order to be exempt from regulation as a hazardous waste, your used oil must be recycled as a fuel. You must be able to document recycling efforts in order to claim this exemption. The facility must keep either the originals or copies of the records on-site at the facility for review by inspectors. **Contact your used oil transporter for copies of all oil disposal records for 1997, 1998 and 1999 if you are unable to locate the records. You must maintain these records on site for a minimum of three years. Forward the above mentioned copies of disposal receipts to the Department within 30 days of your receipt of this letter.**

Your continued cooperation is appreciated. Non-compliance issues not addressed in a timely manner may result in a formal Department enforcement action up to and including the assessment of monetary penalties. If you have any questions regarding this letter, or environmental regulations in general, please call me at (407) 893-3323.

Sincerely,


Robert T. Snyder, J.E.
Program Manager
Hazardous Waste Program

jh

Enclosures: FL registered Used Oil and Used Oil Filter Transporters/Processors
Chapter 62-730 F.A.C.
Chapter 62-710 F.A.C.
Hazardous Waste Transporter List
EPA's, "Understanding the Hazardous Waste Rules"

CC: Gary Swenk, Special Agent



Jeb Bush
Governor

Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

March 6, 2000

CERTIFIED MAIL

7099 3400 0000 2500 9378

T and W Enterprises
Post Office Box 450866
Kissimmee, Florida 34745-0866

OCD-HW-C-00-0065

Attention: Chuck Thompson, Owner

Osceola County - HW
T and W Enterprises
Follow-Up Inspection of March 2, 2000

Dear Mr. Thompson:

The Department conducted a site visit at your facility on March 2, 2000 as a follow up to the Complaint Investigation Inspection of December 2, 1999. The inspection was conducted in order to verify that the corrective actions requested by the Department had been performed. The Hazardous Waste Section sent you a letter, which you received on December 21, 1999, outlining steps to take in order to come in compliance with the hazardous waste and used oil regulations.

The follow up inspection noted the following:

Used Oil and Used Oil Filter Collection

Used oil is collected in a 55-gallon drum, which is properly labeled "Used Oil". The 5-gallon container of hydraulic oil, which was outside behind the garage leaking onto the ground, has been put into the drum of used oil for disposal. Used oil filters are collected in a 5-gallon container, which is properly labeled "Used Oil Filters". You have indicated that you intend to dispose of your used oil through Newsome Oil, which is a registered used oil transporter in the State of Florida. **Please note that you must maintain used oil and used oil filter disposal records on site for a minimum of three years.**

Batteries

Waste lead/acid batteries that were in the back of the El Camino in the rear of the property were taken to Moonlight Starter and Generator in Kissimmee for recycling. The Department was provided a copy of the receipt. **Please note you must maintain disposal receipts of the spent batteries on-site for a minimum of three years.**

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

T & W Enterprises
March 6, 2000
Page 2

Painting

You indicated that the only painting you perform is on your own personal vehicles as a homeowner not as part of your commercial business. You stated that occasionally you might generate a gallon or so of waste paint/thinner. As a homeowner waste this can be taken to the Osceola Household Hazardous Waste Collection Center. If you paint your commercial vehicles contact the Department for further guidance.

Sandblasting

There is a small sandblasting unit and sandblast material in the garage. You stated it belonged to your father and that you do not use it and do not intend to use it in the future. If you decide to sandblast in the future contact the Department for further guidance.

Pressure Washing

At the time of the initial inspection, you were pressure washing vehicles in your driveway. The Department informed you that you must contact the Industrial Waste Section of the Department to inquire about an industrial waste discharge permit and/or exemption. Since that time you stated you are no longer going to pressure wash your equipment.

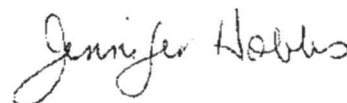
Oil Contaminated Soil Along the Fence Line

At the time of the follow up inspection the Department showed you the seventy-foot long area along your fence line that must be removed. You will be allowed to dig the visibly stained dirt up for disposal through a soil burner. Gloria-Jean DePradine of the Department's Solid Waste Section will oversee this project. She can be contacted at (407) 893-3994 if you have any questions on this project.

As of this date, all corrective actions and requests for information by the hazardous waste staff have been met. Please be aware, T & W Enterprises must continue to comply with all applicable hazardous waste rules and regulations.

If you have any questions regarding this letter, the follow up site visit, or environmental regulations in general, please call Chris Aoussat at (407) 893-3323.

Sincerely,



Jennifer Hobbs
Environmental Specialist II
Hazardous Waste Section

jh
JA



Florida Department of
Environmental Protection
Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: T & W Enterprises

On-Site Inspection Start Date: 11/10/2010

On-Site Inspection End Date: 11/10/2010

ME ID#: 62062

EPA ID#: FLR000063867

Facility Street Address: 3485 Boggy Creek Rd, Kissimmee, Florida 34744-9413

Contact Mailing Address: PO Box 450866, Kissimmee, Florida 34745-0866

County Name: Osceola

Contact Phone: (407) 348-0386

NOTIFIED AS:

N/A

INSPECTION TYPE:

File Review Inspection for Closed facility

INSPECTION PARTICIPANTS:

Principal Inspector: Danielle Owens, Inspector

Other Participants: N/A

LATITUDE / LONGITUDE: Lat 28° 20' 15.626" / Long 81° 17' 59.464"

SIC CODE:

TYPE OF OWNERSHIP: Private

Introduction:

On November 10, 2010, a site visit and file review was conducted at T&W Enterprises. The facility is closed.

Summary of Potential Violations and Areas of Concern:

Potential Violations

No Violations

Areas of Concern

No Areas of Concern

Inspection Date: 11/10/2010

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62-740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C. The above noted potential items of non-compliance were identified by the inspector(s).

This is not a formal enforcement action and may not be a complete listing of all items of non-compliance discovered during the inspection.

Danielle Owens

PRINCIPAL INSPECTOR NAME

Inspector

PRINCIPAL INSPECTOR TITLE

NO SIGNATURE

PRINCIPAL INSPECTOR SIGNATURE

FDEP

ORGANIZATION

N/A

REPRESENTATIVE NAME

NO SIGNATURE

REPRESENTATIVE SIGNATURE

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Site No. 14

Showcase MH Sales, Inc.

Facility Detailed List Report

Number of Facilities = 1

Facility Info									
Facility ID	County	Status	EPA ID	Other ID	Old Fac. ID	Follow Up			
78065	Osceola	O - Out Of Business	NA		4900507	N - None Needed			
Facility Name	Mailing Address	Location Address	Contact	Title	Phone	E-mail Address			
Showcase M.H. Sales , Inc	3300 Morningside Dr Kissimmee, FL 34741	3300 Morningside Dr Kissimmee, 34741	Mark Taliento	Mgr.	(407) 344-2828	na			
SIC Code	Gen Stat	Total HW Disposal	Data Type	Date	Org Contact	Org Code			
5271 - Retail Trade - Mobile Home Dealers	N - NOT A HAZARDOUS WASTE GENERATOR	0	V - Verification By On-Site Visit	8/3/2018	Mike Bryant	49 - Osceola			
Full-Time Employees		Facility Updated Date							
2		8/3/2018 10:24:22 AM							
Comments:									
Comment Date	Comment								
9/17/2002	Mobile Home Sales Only								
3/26/2009	U Haul Rentals Only								
8/3/2018	Empty Lot								
Waste Info									
Waste Type	Storage Method	Disposal Method	Mo. (Units)	Max Mo. (Lbs)	Lbs/Year	Disposal Location	Ques Storage	Ques Disposal	RCRA Hazardous
Facility has no corresponding waste information.									
Activity Info									
Activity Type	Description	Activity Date	Return To Compliance Date						
Facility has no corresponding activity information.									

Site No. 15

Circle K #7466

**Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Facility Inspection Cover Page
Facility Information**

District: CD
County: Osceola
Facility ID#: 8731776
Name: Circle K #7466
 3280 Boggy Creek Rd
 Kissimmee, FL 32741
Contact: Graham Biggs
Phone: 919-774-6700

Type: Retail Station
Status: Open
Latitude: 28:20:51.3310
Longitude: 81:18:35.8808
LL Method: DPHO
LL Status: REVIEWED
Status Date: 02//20/2003

Account Owner Information

Name: Circle K Stores Inc
 1100 Situs Ct #100
 Attn: Storage Tank Regis
 Raleigh, NC 27606-4295
Phone: 919-774-6700

Effective Date: 05/20/1994
Placard#/Date: 580489 - 06/09/2020

Tank Owner Information

Name: Circle K Stores Inc
 1100 Situs Ct #100
 Attn: Storage Tank Regis
 Raleigh, NC 27606-4295
Phone: 919-774-6700

Effective Date: 05/20/1994

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
1	10000	Unleaded Gas	03/01/1985	UNDER	U	M	C	H
						O	J	4
						C	F	K
						N	K	F
						S		2
2	10000	Unleaded Gas	03/01/1985	UNDER	U	M	C	H
						O	J	K
						C	F	F
						N	K	2
						H		4
3	10000	Unleaded Gas	03/01/1985	UNDER	U	M	C	H
						O	J	K
						C	F	F
						N	K	2
						S		4

						N	K	2
						H		4
						S		
4	10000	Vehicle Diesel	03/01/1985	UNDER	U	M	J	H
						O	C	K
						C	F	F
						N	K	2
						H		4
						S		

*****Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A or B).**

Most Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company Name
Insurance	05/01/2018	12/01/2020	Navigators Specialty Insurance
Insurance	12/01/2017	12/01/2018	Ironshore Specialty Insurance
Insurance	12/01/2014	12/01/2015	Ironshore Specialty Insurance
Insurance	12/01/2011	12/01/2013	Chubb
Insurance	12/18/2010	12/17/2011	Chubb
Insurance	12/17/2009	12/17/2010	Chubb
Insurance	12/17/2008	12/17/2009	American International Special

Other Financial Responsibility Mechanisms on File

FR Type	Effective Date	Expiration Date
Insurance	12-01-2002	12-01-2004

No OPEN violations found!

Discharge Information

Discharge Date	Cleanup Status	Score	Eligibility Info	Site Manager	Phone
11/23/1988	Inactive	55	Early Detection Incentive-Eligible	Kleinberg_A	(850)245-8939

End of Data for Facility #: 8731776

March 21, 2018

Ms. Leah J. Smith
Environmental Specialist
Ecology & Environment, Inc.
Petroleum Restoration Program – PRP
2600 Blair Stone Road, MS 4530
Tallahassee, Florida 32399

Subject: **Post Active Remediation Monitoring Report**
Circle K #7466
3280 Boggy Creek Road
Kissimmee, Osceola County, Florida
FDEP Facility Number: 49/8731776
PBAC Contract: #395-M
ATC Project: Z165640639

Dear Ms. Smith:

ATC Group Services, LLC (ATC) on behalf of the Phillips 66 Company (P66) has prepared this Annual Post Active Remediation Monitoring (PARM) Report for Circle K #7466, located at 3280 Boggy Creek Road, Kissimmee, Florida. This Annual PARM Report was completed in accordance with the Florida Department of Environmental Protection (FDEP) Purchase Order number AC #395-M. The purpose of this report is to summarize results of the groundwater sampling event performed for the Year 2, Quarter 3 PARM event. A Site Plan which depicts pertinent site features is included as **Figure 1**.

Groundwater Sampling Year 2, Quarter 3

Prior to groundwater sample collection, static depth-to-water was measured in monitoring wells MW-1R, MW-5R, CW-2R, MW-7, and MW-14 on November 2, 2017. Depth to groundwater ranged from 4.07 feet below top of casing (btoc) in MW-1R to 5.32 feet btoc in MW-14. A summary of the water table elevation calculations is provided on **Table 1**. Groundwater flow in the shallow wells appeared to be generally towards the west-northwest (**Figure 2**).

Sample collection and decontamination procedures were performed in accordance with the most recent FDEP groundwater sampling standard operating procedure (SOP) and related guidance documents. The equipment calibration and groundwater sampling logs are included in **Appendix A**.

During the groundwater sampling event on November 2, 2017, groundwater samples were collected from monitoring wells CW-2R and MW-5R. The samples were analyzed for benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) via Environmental Protection Agency (EPA) Method 8260B and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270D. The groundwater laboratory analytical results are summarized on **Table 2** and illustrated on **Figure 3**. A copy of the laboratory analytical report is included in **Appendix A**.



The laboratory analytical report for groundwater samples collected from monitoring well CW-2R, during the November 2, 2017, sampling event, yielded petroleum constituent concentrations in excess of Chapter 62-777 Florida Administrative Code (F.A.C.) Groundwater Cleanup Target Levels (GCTLs) for benzene and naphthalene. The laboratory analytical report for groundwater samples collected from monitoring well MW-5R, during the November 2, 2017, sampling event, yielded no petroleum constituent concentrations in excess of GCTLs.

Recommendations

The concentrations of benzene and naphthalene remain above GCTLs at monitoring well MW-CW-2R. Concentrations of constituents of concern in the groundwater sampled from monitoring well MW-5R have returned to below GCTLs during the November 2, 2017 sampling event. ATC recommends completing a Remediation Action Plan Modification (RAPMOD) under the PBAC Contract #395-M to address the dissolved petroleum concentrations in the area of monitoring well CW-2R.

If you have any questions concerning this report or this project in general, please contact the undersigned at (813) 781-6070.

Sincerely,

ATC Group Services, LLC

A handwritten signature in black ink, appearing to read 'Adam Bourcy', written over a horizontal line.

Adam Bourcy
Senior Project Manager

cc: Ms. Beni Siersema, Phillips 66 Contract Program Manager

LEGEND:

	MONITORING WELL
	DEEP MONITORING WELL
	COMPLIANCE WELL
	AIR SPARGING (AS) WELL
	DESTROYED COMPLIANCE WELL
	DESTROYED MONITORING WELL
	SOIL BORING - AUG. 2010
	VAPOR EXTRACTION (VE) LATERAL WELL
	POTABLE WATER WELL
	MAN HOLE COVER
	LIGHT POLE
	STORM WATER CATCH BASIN
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT
	GRASS / LANDSCAPING / UNPAVED
	UNDERGROUND STORAGE TANK

	FENCE
	UNDERGROUND PRODUCT/FUEL PIPE
	UNDERGROUND VAPOR VENT PIPE
	APPROXIMATE PROPERTY BOUNDARY
	REMEDIATION SYSTEM PIPE TRENCH
	UNDERGROUND FIBER OPTIC CABLE
	UNDERGROUND ELECTRICAL WIRE
	OVERHEAD WIRE (UTILITY)
	SANITARY / SEPTIC SEWER
	STORM SEWER
	UNDERGROUND WATER PIPE

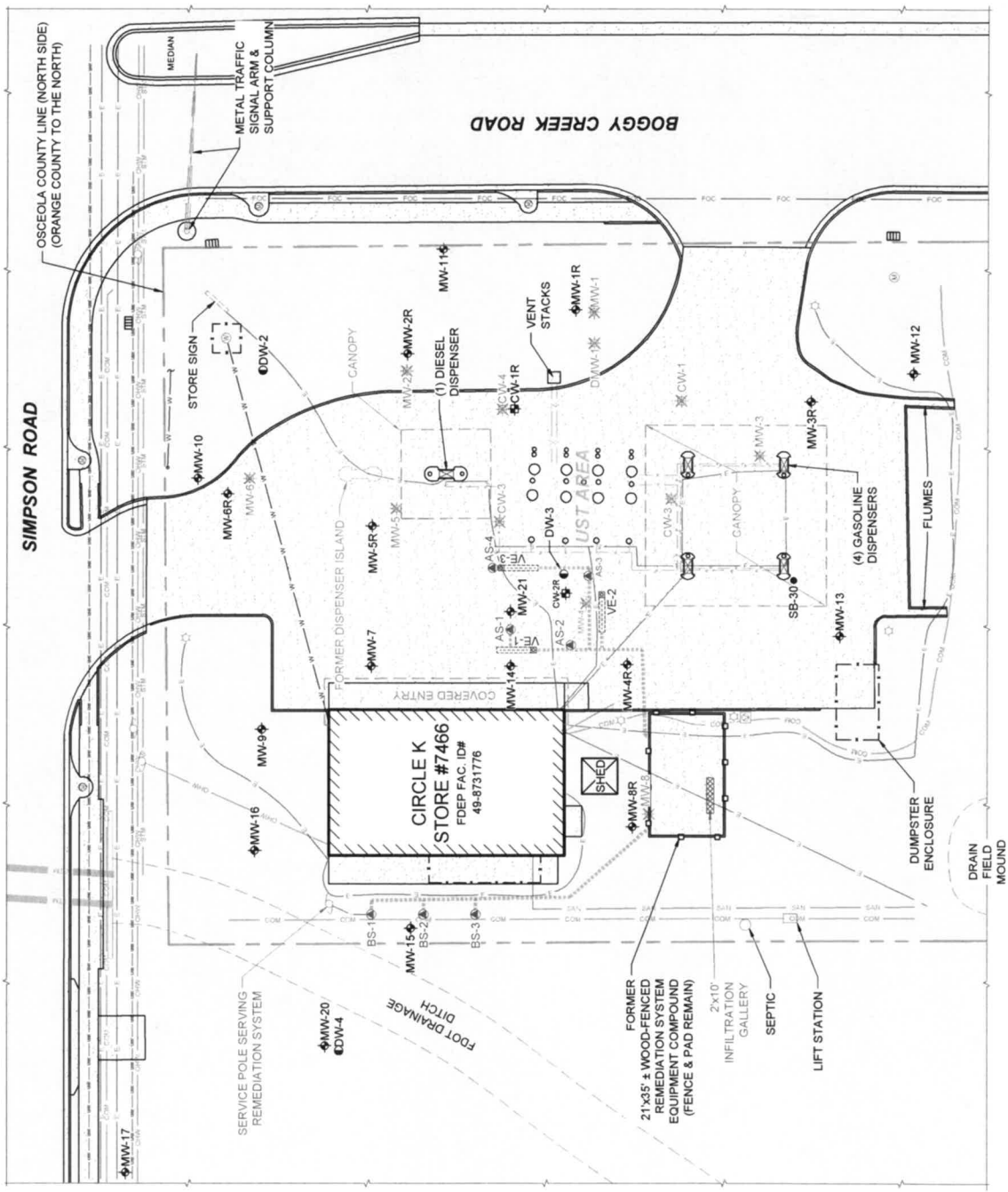
NOTE:
REMEDIATION SYSTEM IS NOT ACTIVE.
 AIR SPARGING SPARES TERMINATE AT BS-1;
 AIR SPARGING & VAPOR EXTRACTION
 SPARES TERMINATE AT AS-4.

NAME/ADDRESS:
 CIRCLE K STORE #7466
 FDEP FAC. ID# 49-8731776
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida

SITE PLAN

ATC Certificate of Authorization #7783
 9602 Thomson Center Ct. Ste. 405
 Tampa, Florida 33611
 (813) 888-7524 FAX
 (813) 888-7524

DRAWN BY: J.J.D. | FIGURE NO. 1
 CHECKED BY: A.B.
 PROJECT NO. Z165640639



LEGEND:

⊕	MONITORING WELL
⊕	DEEP MONITORING WELL
⊕	COMPLIANCE WELL
⊕	AIR SPARGING (AS) WELL
⊕	DESTROYED COMPLIANCE WELL
⊕	DESTROYED MONITORING WELL
⊕	SOIL BORING - AUG. 2010
⊕	VAPOR EXTRACTION (VE) LATERAL WELL
⊕	POTABLE WATER WELL
⊕	MAN HOLE COVER
⊕	LIGHT POLE
⊕	POWER POLE
⊕	STORM WATER CATCH BASIN
⊕	CONCRETE PAVEMENT
⊕	ASPHALT PAVEMENT
⊕	GRASS / LANDSCAPING / UNPAVED
⊕	UNDERGROUND STORAGE TANK

---	FENCE
- - - -	APPROXIMATE PROPERTY BOUNDARY

---	EQUIPOTENTIAL LINE
---	INTERVAL 0.25 FEET
---	GROUNDWATER FLOW
---	DIRECTION
---	WATER TABLE ELEVATION

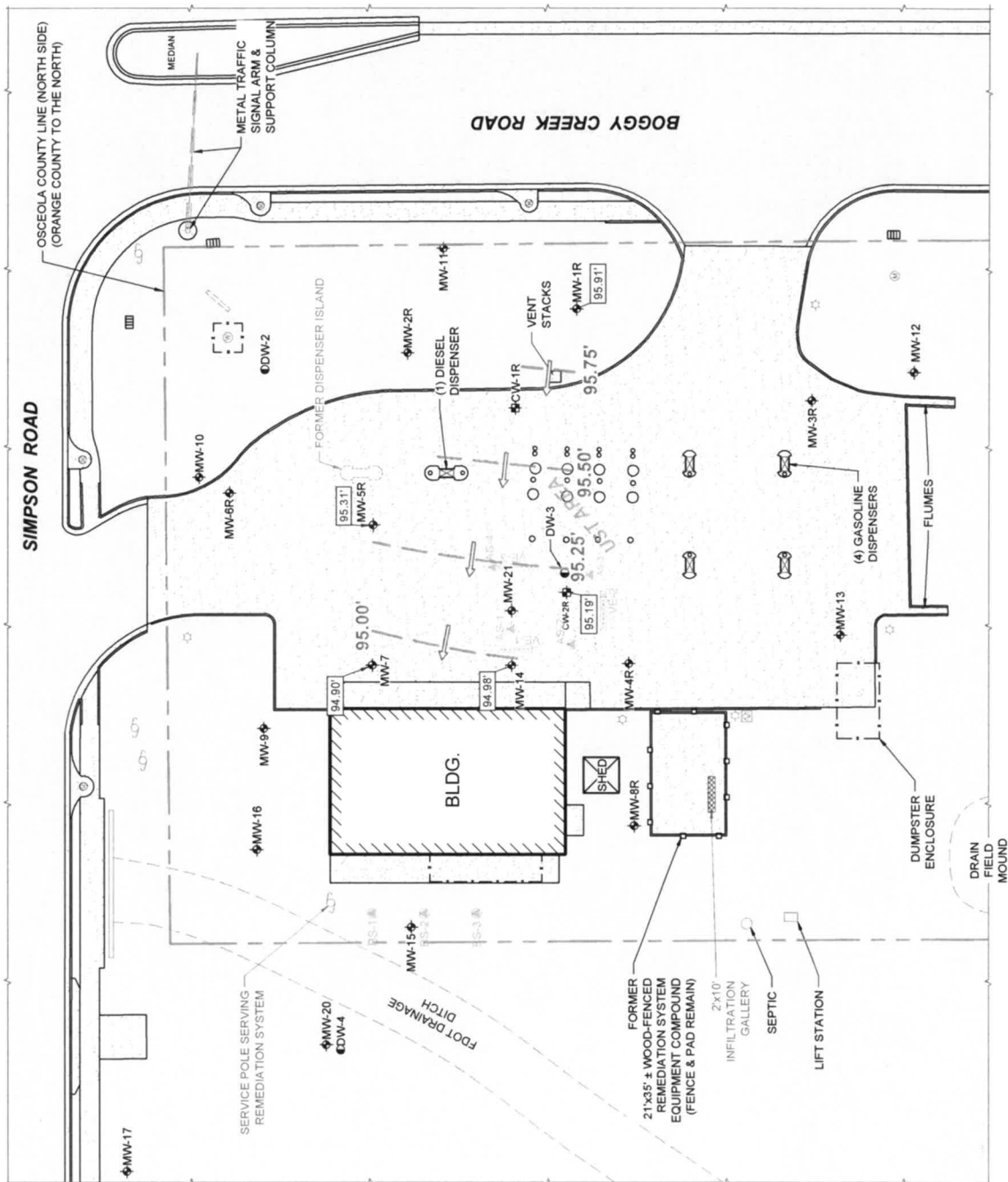
NAME/ADDRESS: **CIRCLE K STORE #7466**
 FDEP FAC. ID# 49-8731776
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida

**GROUNDWATER ELEVATION
 CONTOUR MAP
 11/2/2017**

Certificate of Authorization #7783
 9602 Thompson Center Ct. Ste. 405
 Tampa, Florida
 (813) 969-9744 FAX



DRAWN BY: J.J.D. | FIGURE NO. **2**
 CHECKED BY: A.B.
 PROJECT NO. 21554-0039



LEGEND:

⊕	MONITORING WELL
⊕	DEEP MONITORING WELL
⊕	COMPLIANCE WELL
⊕	AIR SPARGING (AS) WELL
⊕	VAPOR EXTRACTION (VE) LATERAL WELL
⊕	POTABLE WATER WELL
⊕	MAN HOLE COVER
⊕	LIGHT POLE
⊕	POWER POLE
⊕	STORM WATER CATCH BASIN
⊕	CONCRETE PAVEMENT
⊕	ASPHALT PAVEMENT
⊕	GRASS / LANDSCAPING / UNPAVED
⊕	UST UNDERGROUND STORAGE TANK

---	FENCE
---	APPROXIMATE PROPERTY BOUNDARY

	DATE SAMPLED (mm/dd/yyyy)
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER (MTBE)
N	NAPHTHALENE
1	1-METHYLNAPHTHALENE
2	2-METHYLNAPHTHALENE
A	ACENAPHTHENE

ALL RESULTS IN $\mu\text{g/L}$ (micrograms per liter = parts per billion).
BOLD TEXT indicates concentration exceeds Groundwater Cleanup Target Level (GCTL).
BOLD ITALIC TEXT indicates value exceeds Natural Attenuation Default Concentration (NADC).
 Most recent sampling event is highlighted.

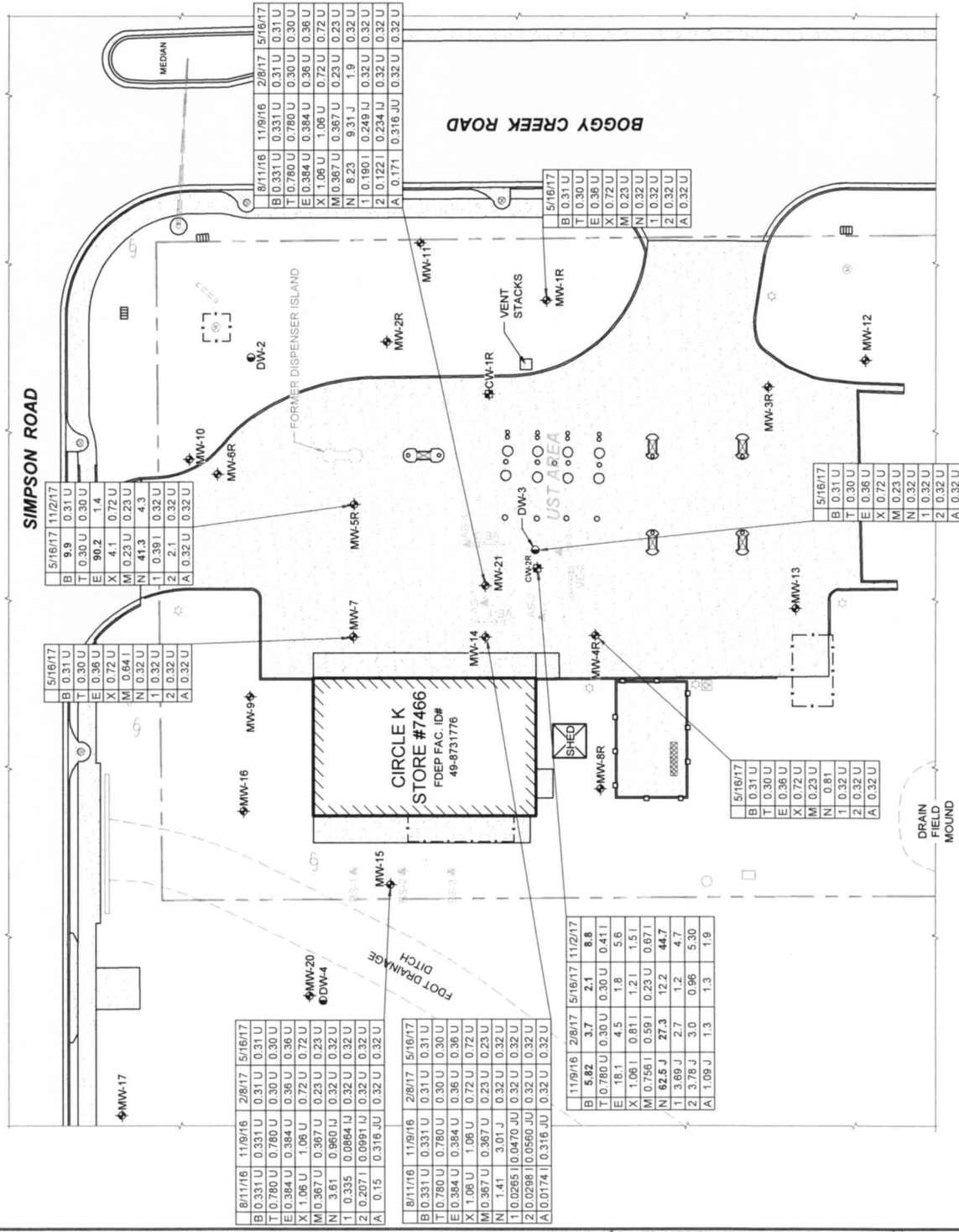
I INDICATES REPORTED VALUE IS BETWEEN METHOD DETECTION LIMIT AND PRACTICAL QUANTIFICATION
 U ANALYTE NOT DETECTED AT METHOD DETECTION LIMIT
 ESTIMATED VALUE - THE RESULT IS GREATER THAN J OR EQUAL TO THE METHOD DETECTION LIMIT AND LESS THAN THE LIMIT OF QUANTIFICATION (LOQ).

0 Approximate Feet 30

NAME/ADDRESS:
CIRCLE K STORE #7466
 FDEP FAC. ID# 49-8731776
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida

ATC
 Certificate of Accreditation #7768
 5603 Thompson Center Ct. Ste. 405
 Tampa, Florida
 (813) 988-9944 FAX
 (813) 988-9944 FAX

DRAWN BY: J.J.D. | FIGURE NO: **3**
 CHECKED BY: A.B.
 PROJECT NO: Z165640639





Florida Department of Environmental Protection

Contracted Local Program
3615 McCrory Place, Suite 200
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nunez
Lt. Governor

Noah Valenstein
Secretary

March 3, 2020

Graham Biggs
Circle K Stores, Inc.
1100 Situs Ct. #100
Raleigh, NC 27606
Letter issued via email: gbiggs@circlek.com

RE: Incident Investigation Report
Osceola County – Regulated Storage Tanks
Circle K #7466
3280 Boggy Creek Rd.
Kissimmee, FL 32741
FDEP Facility ID#: 49/8731776

Dear Mr. Biggs:

The Orange County Environmental Protection Division (Division) is contracted with the Florida Department of Environmental Protection (Department) to conduct the Storage Tank System Compliance Verification Program for facilities located in Osceola County.

Storage Tank Staff completed review of the *Incident Investigation Report* (report) dated April 16, 2018, prepared by your environmental consultant, Terra-Com Environmental Consulting, documenting the investigation at the RUL and diesel STP sumps at the subject facility in February 2018.

The report appears to meet requirements of 62-761, Florida Administrative Code, and no further investigation is necessary for this incident.

Please note that the report is not equivalent to a full Chapter 62-780, F.A.C., Site Assessment, and the site will not be issued a formal No Further Action Order. Also, this letter does not certify that the entire site is clean and the Department reserves the right to initiate appropriate actions for this site under Chapter 62-780, F.A.C.

Sincerely,

Ruth
Rauenzahn

Digitally signed by
Ruth Rauenzahn
Date: 2020.03.03
17:53:38 -05'00'

Ruth Rauenzahn
Environmental Program Supervisor
RR/JG:rr

C: Greg Self, Terra-Com Environmental Consulting, gself@terra-comenv.com

Orange County Environmental Protection Division
Community, Environmental and Development Services Department
Main Line (407) 836-1400 • FAX# (407)836-1499
Website: www.ocfl.net



5602 Thompson Center Court, Suite 405
Tampa, Florida 33634
Telephone 813-889-8960
Fax 813-889-8754
www.atcgroupservices.com

March 19, 2020

Mr. Andrew Kleinberg
Associate Environmental Specialist
Ecology & Environment, Inc.
Petroleum Restoration Program – PRP
2600 Blair Stone Road, MS 4530
Tallahassee, Florida 32399

Subject: **Second Injection Report**
 Circle K #7466
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida
 FDEP Facility ID Number: 49-8731667
 PBAC Contract #395-M
 ATC Project Number: Z165640639

Dear Mr. Kleinberg:

ATC Group Services, LLC (ATC), on behalf of the Phillips 66 Company (P66), has prepared this Second Injection Report for Circle K #7466, located at 3280 Boggy Creek Road, Kissimmee, Osceola County, Florida in accordance with AC/PBC Contract number AC #395-M (**Appendix A**). The purpose of this report is to summarize the results of the four groundwater sampling events conducted between November 1, 2019 and January 24, 2020 and the Injection Event performed on January 29, 2020. A map displaying pertinent site features are depicted on **Figure 1**.

Groundwater Sampling

Groundwater sampling activities were conducted on November 1, 2019, November 30, 2019, December 24, 2019, and January 24, 2020. Prior to groundwater sampling, depth to water measurements were collected at monitoring wells CW-2R, MW-4R, MW-14, and MW-21. The depth to water measurements are included in **Table 1**. The groundwater flow was generally towards the northwest on November 1, 2019, November 30, 2019, and December 24, 2019 as shown on **Figures 2** through **4**. Groundwater flow on January 24, 2020 was generally towards the northeast and southwest as shown on **Figure 5**.

On November 1, 2019, November 30, 2019, December 24, 2019, and January 24, 2020, groundwater samples were collected from monitoring well CW-2R, additionally, monitoring well MW-21 was sampled on December 24, 2019. The groundwater samples were analyzed for BTEX/MTBE using EPA Method 8260, PAHs using EPA Method 8270, sodium using EPA Method 6010 or 200.7 and chloride using EPA Method 300. The groundwater laboratory analytical results are summarized on **Table 2** and illustrated on **Figure 6**. The groundwater sampling notes and logs, the calibration logs, and copies of the laboratory analytical reports are included in **Appendix B**.



The laboratory analytical results for groundwater samples collected from monitoring well CW-2R, on November 1, 2019, November 30, 2019, December 24, 2019, yielded petroleum constituent concentrations in excess of Chapter 62-777 Florida Administrative Code (F.A.C.) Groundwater Cleanup Target Levels (GCTLs) for benzene and naphthalene. Additionally, the groundwater sample collected from monitoring well CW-2R on January 24, 2020, exceeded the GCTL for benzene. The groundwater sample collected from monitoring well MW-21 on December 24, 2019 exceeded the GCTL for naphthalene.

Chemical Injection

ATC field personnel oversaw EN Rx personnel conduct chemical injections into each IW on January 29 and 30, 2020. Injection into each well was approximately 0.25 gallons per minute (gpm). Groundwater from CW-2R was continuously screened during the injection process to determine the extent of the injection chemical. The chemical was confirmed to have traveled to CW-2R when groundwater readings changed at approximately noon on January 30, 2020. Injection volumes are summarized in **Table 3**. Field notes are included in **Appendix C**.

Conclusions and Recommendations

Post injection sampling of CW-2R is scheduled in March 2020. Analytical results from this well will be used to gauge the effectiveness of the chemical injection event.

ATC recommends continuing with the sampling plan approved in the Remedial Action Plan (RAP). This includes monthly sampling of CW-2R for 3 months, and both CW-2R and MW-21 in month 3.

If you have any questions regarding this report or site in general, please contact the undersigned at (813)-889-8960.

Sincerely,

ATC Group Services, LLC

Brian A. Bowers, P.E.
Senior Project Manager

Cc: Ms. Beni Siersema, PG, Phillips 66 Contract Program Manager

LEGEND:

♣	MONITORING WELL
⊕	DEEP MONITORING WELL
⊙	COMPLIANCE WELL
⊗	AIR SPARGING (AS) WELL
⊘	POTABLE WATER WELL
⊚	MAN HOLE COVER
⊛	LIGHT POLE
⊜	POWER POLE
⊝	STORM WATER CATCH BASIN
▨	CONCRETE PAVEMENT
▩	ASPHALT PAVEMENT
▧	GRASS / LANDSCAPING / UNPAVED
⊞	UNDERGROUND STORAGE TANK

—	EQUIPOTENTIAL LINE
—	CONTOUR INTERVAL 0.40 FEET
→	GROUNDWATER FLOW DIRECTION
—	WATER TABLE ELEVATION

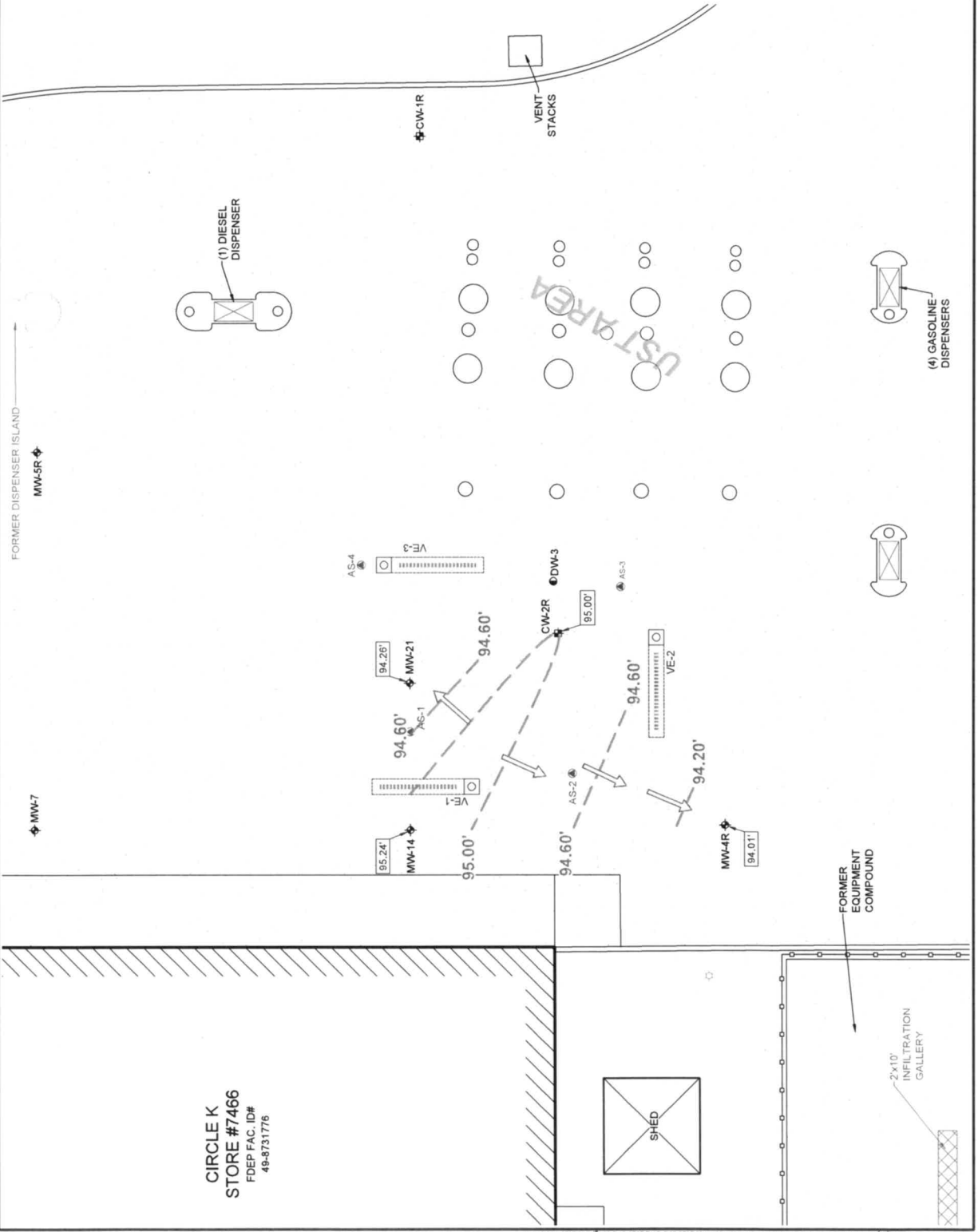
0 Approximate Feet 10

NAME/ADDRESS:
CIRCLE K STORE #7466
 FDEP FAC. ID# 49-8731776
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida

DRAWING TITLE:
**GROUNDWATER ELEVATION
 CONTOUR MAP**
 1/24/2020

Certificate of Authorization #7763
 5402 Thompson Center Ct, Ste 405
 Tampa, Florida
 (813) 884-8724 FAX
ATC
 DRAWN BY: J.J.D. | FIGURE NO.:
 CHECKED BY: B.A.B.
 PROJECT NO.: Z16540639

5



**CIRCLE K
 STORE #7466**
 FDEP FAC. ID#
 49-8731776



LEGEND:

◆	MONITORING WELL
●	DEEP MONITORING WELL
♣	COMPLIANCE WELL
⊕	AIR SPARGING (AS) WELL
⊕	VAPOR EXTRACTION (VE) LATERAL WELL
⊕	POTABLE WATER WELL
○	MAN HOLE COVER
☆	LIGHT POLE
○	POWER POLE
○	STORM WATER CATCH BASIN
□	CONCRETE PAVEMENT
□	GRASS / LANDSCAPING / UNPAVED
UST	UNDERGROUND STORAGE TANK

DATE SAMPLED (mm/dd/yy)	
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER (MTBE)
N	NAPHTHALENE
1	1-METHYLNAPHTHALENE
2	2-METHYLNAPHTHALENE

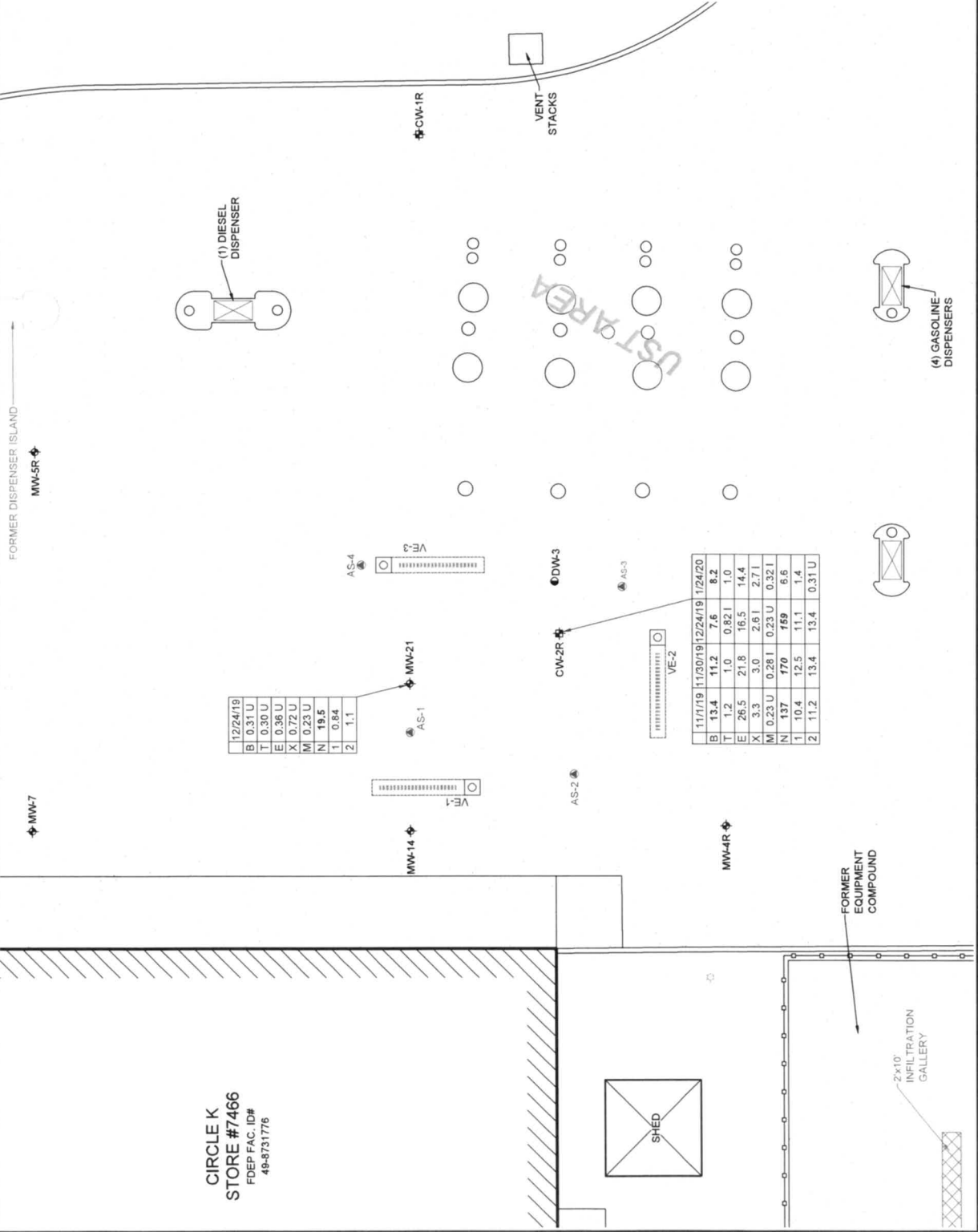
ALL RESULTS IN µg/L (micrograms per liter = parts per billion).
BOLD TEXT indicates concentration exceeds Groundwater Cleanup Target Level (GCTL).
BOLD ITALIC TEXT indicates value exceeds Natural Attenuation Default Concentration (NADC).
 Most recent sampling event is highlighted.
 INDICATES REPORTED VALUE IS
 I BETWEEN METHOD DETECTION LIMIT AND PRACTICAL QUANTIFICATION LIMIT
 U ANALYTE NOT DETECTED AT METHOD DETECTION LIMIT.

NAME/ADDRESS:
CIRCLE K STORE #7466
 FDEP FAC. ID# 49-8731776
 3280 Boggy Creek Road
 Kissimmee, Osceola County, Florida

DRAWING TITLE
GROUNDWATER ANALYTICAL RESULTS SUMMARY MAP - NOV. 2019 THROUGH JAN. 2020

ATC
 Certificate of Accreditation #7763
 1625 Thebreaker Center Ct., Ste. 405
 Tampa, Florida
 (813) 986-8990
 (813) 986-8999
 FAX

DRAWN BY: J.L.D. PROJECT NO. 2105640039
 CHECKED BY: B.A.B.
 FIGURE NO. 6

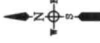


12/24/19

B	0.31 U
T	0.30 U
E	0.36 U
X	0.72 U
M	0.23 U
N	19.5
1	0.84
2	1.1

11/11/19 | 11/30/19 | 12/24/19 | 1/24/20

B	13.4	11.2	7.6	8.2
T	1.2	1.0	0.821	1.0
E	26.5	21.8	16.5	14.4
X	3.3	3.0	2.61	2.71
M	0.23 U	0.28 I	0.23 U	0.32 I
N	137	170	159	6.6
1	10.4	12.5	11.1	1.4
2	11.2	13.4	13.4	0.31 U





Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form 62-762.901(6)
Form Title: Incident Notification Form
Effective Date: January 2017
Incorporated in Rule 62-762.411, F.A.C.

Incident Notification Form

Complete all applicable blanks

Facility ID Number (if registered): 8731776

Date of Form Completion: 7/1/2020

Facility Name: 2707466

Date of Discovery of Incident: 6/30/2020

Telephone Number: 919-774-6700 ext. 6326

County: Osceola

Facility Owner or Operator: Circle K

Mailing Address: 1100 Situs Ct, Suite 100, Raleigh, NC, 27606

Location of Incident (facility street address): 3280 Boggy Creek Rd Kissimmee, FL 34744

Monitoring method or activity that indicates an incident: (Check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Visual Observation | <input type="checkbox"/> Electronic sensors, probes or cables | <input type="checkbox"/> Closure |
| <input type="checkbox"/> Primary integrity test | <input type="checkbox"/> Interstitial monitoring | <input type="checkbox"/> Line leak detectors |
| <input type="checkbox"/> Interstitial integrity test | <input type="checkbox"/> Closure integrity evaluation | <input type="checkbox"/> Automatic tank gauging |
| <input checked="" type="checkbox"/> Containment integrity test | <input type="checkbox"/> Tracer or helium testing | <input type="checkbox"/> Other (specify): _____ |

Type of regulated substance stored in the storage system: (Check all that apply)

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Gasoline | <input type="checkbox"/> Jet fuel | <input type="checkbox"/> Mineral acid (ASTs) |
| <input checked="" type="checkbox"/> Diesel | <input type="checkbox"/> Used/waste oil | <input type="checkbox"/> Ammonia compound <input type="checkbox"/> Chlorine compound |
| <input type="checkbox"/> Heating oil | <input type="checkbox"/> New motor/lube oil | <input type="checkbox"/> Biofuel blends |
| <input type="checkbox"/> Kerosene | <input type="checkbox"/> Pesticide | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> Aviation gas | <input type="checkbox"/> Grades 5 & 6 residual oils | <input type="checkbox"/> Other (specify): _____ |
| <input type="checkbox"/> Hazardous substance (USTs) – write name or Chemical Abstract Service (CAS) #: _____ | | |

Incident involves or originated from: (Check all that apply)

A positive response of release detection device:

- 1. Visual observation
- 2. Alarm
- 3. Vacuum or pressure change
- 4. MLLD restricting flow
- 5. ELLD/other device shutting power off to pump
- 6. Liquid > 1 inch in out-of-service tank (UST only)

A failed integrity test:

- 1. Double-walled tank
- 2. Double-walled piping
- 3. Containment sump
- 4. Spill containment system
- 5. Double bottom AST

Or:

- 1. Odors in the vicinity
- 2. Loss > 100 gallons on impervious surface
- 3. Loss > 500 gallons in AST dike field
- 4. Unusual operating conditions
- Other (specify): _____

Cause of the incident, if known: (Check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> Improper installation | <input type="checkbox"/> Spill/Overfill > 100 gallons on impervious surface | <input type="checkbox"/> Human error |
| <input checked="" type="checkbox"/> Material failure (crack, split, etc.) | <input type="checkbox"/> Spill/Overfill > 500 gallons in AST dike field | <input type="checkbox"/> Vandalism or theft |
| <input type="checkbox"/> Material incompatibility | <input type="checkbox"/> Corrosion | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> Faulty probe or sensor | <input type="checkbox"/> Weather | <input type="checkbox"/> Other (specify): _____ |

Actions taken in response to the incident:

Regular #1 STP sump, All (5) dispenser sumps failed routine hydro testing, no indication in RD history this could have caused a discharge

Comments:

Agencies notified (as applicable):

- Fire Department County Program District Office State Watch Office 800-320-0519 National Response Center 800-424-8802

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

Graham Biggs
Printed name of Owner, Operator or Authorized Representative

Graham Biggs
Signature of Owner, Operator and Authorized Representative

APPENDIX J

Interview Documentation

Lisa T Messing

From: Gibbs, Shane <Shane.Gibbs@dep.state.fl.us>
Sent: Friday, October 23, 2020 11:40 AM
To: Lisa T Messing
Subject: RE: Boggy Creek Road Alignment
Attachments: 7740.pdf

Lisa,

After researching our database, I've located this incident for this request. Due to the age of this incident and our four-year retention schedule this is the only remaining information on this incident. OER considers this incident closed. Please feel free to contact me if you have any questions.

Thanks,

Shane Gibbs
Government Operations Consultant
Office of Emergency Response
850-245-2872 Ext. 52872



From: Lisa T Messing <ltmessing@g-e-c.com>
Sent: Thursday, October 22, 2020 2:38 PM
To: Gibbs, Shane <Shane.Gibbs@dep.state.fl.us>
Subject: Boggy Creek Road Alignment

Hi Shane! I'm working on an assessment along a portion of Boggy Creek Road in Kissimmee/St. Cloud. A database search has revealed the following along the corridor:

- 1) Not Reported – OHMIT_7740 ; 5150 Boggy Creek Road

Can you share any documentation you may have?
Thank you!

Lisa T. Messing
Environmental Scientist



Geotechnical and Environmental Consultants, Inc.

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Orlando, Florida 32814
P (407) 898-1818 ext. 8988
Direct Line (321) 352-8988
Email: ltmessing@g-e-c.com
www.g-e-c.com

GEC is proud to serve our community as Geotechnical Engineering Consultant on these Central Florida Transportation Legacy Projects: SunRail Phases I and II, Wekiva Parkway, I-4 Ultimate P3 Design Oversight and OIA South Terminal Airside and Landside Infrastructure. GEC is now offering **RoadScan GPR** for collecting continuous pavement layer thickness data at highway speed. GEC is a certified **Small Business Enterprise (SBE) with FDOT**.



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Message Score: 10

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From: shane.gibbs@dep.state.fl.us

My Spam Blocking Level: Medium

Medium (75): Pass

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