



**DRAFT CONTAMINATION  
SCREENING EVALUATION  
REPORT**

**Florida's Turnpike (SR 91)  
MP 53-70 from South of  
I-595 to Wiles Road,  
Broward County, Florida**

DRAFT Version I

June 2023

Broward County, Florida

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Prepared by RS&H, Inc. at the  
direction of Florida's Turnpike Enterprise



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## LIST OF ACRONYMS

2020 COR ACTION	2020 Corrective Action Program Database
ABANDONED MINES	Inventory of land and water impacted by past mining
APLUS	Aerial Photo Look-Up System
AST	Aboveground Storage Tank
ATRP	Abandoned Tank Restoration Program
CAR	Contamination Assessment Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESQG	Conditionally Exempt Small Quantity Generator
CoC	Constituents of Concern
CSER	Contamination Screening Evaluation Report
CTL	Cleanup Target Level
DRF	Discharge Reporting Form
EDR	Environmental Data Resources
ERNS	Emergency Response Notification System
ETAT	Environmental Technical Advisory Team
ETDM	Efficient Transportation Decision Making
fbIs	Feet Below and Surface
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
FDOT	Florida Department of Transportation
FEDERAL FACILITY	Listing of National Priority List and Base Realignment and Closure sites in the CERCLIS database
FEMA UST	Listing of Federal Emergency Management Agency-owned underground storage tanks
FHWA	Federal Highway Administration
FINDS	Facility Index System
FLUCFCS	Florida Land Use, Cover, and Forms Classification System
FL AIRS	FDEP database of Air Resources Management permits
FL AST	FDEP database of Aboveground Storage Tanks
FL BROWNFIELDS	Database of Brownfields Sites maintained by FDEP
FL BROWNFIELDS AREA	Database of Brownfields Areas maintained by FDEP
FL CLEANUP SITES	FDEP listing of locations of waste cleanup sites from various programs

FL DEDB	Florida database of delineated areas of ethylene dibromide (EDB) groundwater contamination
FL DWM CONTAM	Florida listing of active or known sites that need cleanup
FL ENG CONTROLS	Database of all contaminated sites in FL, which are subject to engineering controls
FL INST CONTROL	Institutional Controls Registry is a database of all contaminated sites in FL which are subject to institutional and engineering controls
FL LAST	Florida Leaking Aboveground Storage Tanks Database
FL LUST	Florida Leaking Underground Storage Tank Database
FL NPDES	Listing of Domestic and Industrial Wastewater Facilities
FL PRIORITY CLEANERS	FDEP priority ranking list of drycleaners
FL RESP PARTY	Listing of open, inactive, and closed responsible party sites
FL SHWS	Florida's State Hazardous Waste Sites Database
FL SITE INV SITES	Florida listing of site investigation section sites
FL SITES	Summary report compilation of other existing lists including the Eckhardt list, the Moffitt list, the USEPA Hazardous Waste Sites list, USEPA's RCRA Section 3012, and existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list
FL SWF/LF	Florida Solid Waste Facilities/Landfills Database
FL SWRCY	Florida Recycling Centers Database
FL TANKS	Florida listing of storage tank facilities that do not have tank information
FL TIER 2	FDEP listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report
FL UIC	Florida Underground Injection Wells Database
FL UST	FDEP database of registered underground storage tanks
FL VCP	Florida Voluntary Cleanup Priority Sites Database
FTTS	Federal Insecticide, Fungicide and Rodenticide Act / Toxic Substances Control Act Tracking System
FTTS INSP	A listing of inspections and enforcements under the Federal Insecticide, Fungicide and Rodenticide Act / Toxic Substances Control Act
FUDS	Formerly Used Defense Sites Database
FUELS PROGRAM	Listing of facilities registered under the EPA Fuels Programs
FUSRAP	Formerly Utilized Sites Remedial Action Program Database
GCTL	Groundwater Cleanup Target Level
GIS	Geographic Information System

HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection and Enforcement Case Listing
HM	Hazardous Material
HMIRS	Hazardous Materials Information Reporting System
ICIS	Integrated Compliance Information System
ID	Identification
IHS OPEN DUMPS	Listing of all open dumps located on Indian Land in the U.S.
LEAD SMELTERS	Listing of former lead smelter sites
LIENS 2	CERCLIS Superfund Liens Database
LOS	Level of Service
LUCIS	Land Use Control Information System
MLTS	Material Licensing Tracking System
MPO	Metropolitan Planning Organization
MW	Monitoring Well
NFA	No Further Action
NFAP	No Further Action Proposal
NOV	Notice of Violation
NPL	National Priority List Database
NPL LIENS	USEPA Superfund Liens Database
NRCS	National Resources Conservation Service
OCULUS	FOUO Document Management System
ODI	Open Dump Inventory
PCB	Polychlorinated Biphenyl
PCB TRANSFORMER	Polychlorinated Biphenyl Transformer Registrations Database
PCTS	Petroleum Contamination Tracking System
PD&E	Project Development and Environment
PCW	Petroleum Contact Water
PROPOSED NPL	Proposed Superfund Sites Database
PRP	Potentially Responsible Parties Database
PWS	Public Water Supply
RAATS	Resource Conservation and Recovery Act Administrative Action Tracking System
RADINFO	Radiation Information Database
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RCRA NonGen / NLR	RCRA - Non-Generators Database
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators Database

RCRA-LQG	RCRA - Large Quantity Generators Database
RCRA-SQG	RCRA - Small Quantity Generators Database
RCRA-TSDF	RCRA - Treatment, Storage, and Disposal Facilities Database
RGA HWS	EDR Proprietary Database of Recovered Government Archives for State Hazardous Waste Facilities
RGA LF	EDR Proprietary Database of Recovered Government Archives for Solid Waste Facilities
RGA LUST	EDR Proprietary Database of Recovered Government Archives for Leaking Underground Storage Tanks
RMP	Risk Management Plans Database
ROD	Record of Decision Database
ROW	Right-of-Way
SA	Semi-Annual
SAR	Site Assessment Report
SCRD	State Coalition for Remediation of Drycleaners Database
SEMS	Superfund Enterprise Management System
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
SFWMD	South Florida Water Management District
SIS	Strategic Intermodal System
SQG	Small Quantity Generator
SR	State Road
SRCO	Site Rehabilitation Completion Order
SSTS	Section 17 Tracking System
STCM	Storage Tank Contamination Monitoring
SUPER Act	State Underground Petroleum Environmental Response Act
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act Database
µg/L	Micrograms per Liter
UMTRA	Uranium Mill Tailing Sites Database
US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem
US AIRS MINOR	Air Facility System Database of Minor Source Facilities
US BROWNFIELDS	Brownfield Sites Database
US CDL	Clandestine Drug Lab Database
US ENG CONTROLS	Database of sites with engineering controls in place
US FIN ASSUR	Financial Assurance Information Database
US HIST CDL	National Clandestine Laboratory Register
US INST CONTROL	Database of sites with institutional controls in place
US MINES	Mine Identification Numbers Database

USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
UXO	Listing of Unexploded Ordnance Sites
VOC	Volatile Organic Compound

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# 1 Project Summary

## 1.1 Introduction

The Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), is conducting a Project Development and Environment (PD&E) Study to evaluate potential improvements to the Florida Turnpike Mainline from south of I-595 (Milepost [MP] 53) to Wiles Road (MP 70) in Broward County, Florida. The purpose of this project is to enhance safety, emergency response, evacuation, increase capacity, and improve efficiency and regional connectivity of the Florida Turnpike Mainline.

A PD&E Study is a process followed by the FDOT to evaluate social, economic, and environmental impacts associated with a planned transportation improvement project. FDOT established the PD&E process as the state's procedure for complying with the National Environmental Policy Act (NEPA) of 1969.

This Contamination Screening Evaluation Report (CSEER) contains the findings of the contamination screening evaluation for the Florida Turnpike Mainline from south of I-595 (MP 53) to Wiles Road (MP 70) in Broward County, Florida. This report is prepared in accordance with the FDOT PD&E Manual, Part 2, Chapter 20, "Contamination," dated July 1, 2020. The purpose of this report is to identify, evaluate, and document potential contamination impacts that may exist within or adjacent to the limits of the proposed right-of-way and to provide recommendations relative to the identified present and past use of properties that may require further assessment, remediation, special handling, or that may have a potential for liability in support of the PD&E Study consistent with federal, state, and local objectives. Addressing contamination in soil, groundwater, surface water, and structures early in the project development process can reduce potential risks, impacts, and costs to the FTE.

## 1.2 Project Description and Location

The portion of the approximately 17-mile Turnpike Mainline being evaluated is located in Broward County, Florida and is contained within the following 11 municipalities: Coconut Creek, Davie, Deerfield Beach, Fort Lauderdale, Lauderdale Lakes, Lauderhill, Margate, North Lauderdale, Plantation, Pompano Beach, and Tamarac. Figure 1-1 Project Location Map shows the limits of the PD&E Study.

Figure 1-1: Project Location Map



Currently, the Turnpike Mainline is typically eight to ten lanes (four lanes plus an auxiliary lane in each direction) from south of I-595 to south of Atlantic Boulevard and six lanes (three lanes in each direction) from south of Atlantic Boulevard to Wiles Road. The study consists of evaluating the widening of the Turnpike Mainline to ten lanes plus an auxiliary lane from south of I-595 (MP 53) to south of Atlantic Boulevard (MP 66) and widening to ten lanes from Atlantic Boulevard (MP 66) to Wiles Road (MP 70).

Land use adjacent to the Turnpike Mainline within the project limits is predominately residential with areas of commercial and industrial land uses toward the northern end of the project.

The improvements being evaluated also include milling and resurfacing, bridge construction and existing interchange improvements. The existing interchanges within the limits of the study

include I-595, Sunrise Boulevard, Commercial Boulevard, Atlantic Boulevard, Coconut Creek Parkway and Sample Road. The evaluation for two potential new reliever interchanges, one at Cypress Creek Road/McNab Road and one at Oakland Park Boulevard, is also part of the PD&E Study.

### 1.3 Purpose and Need

There is recurring congestion along the project limits, particularly in the vicinity of I-595 and Sunrise Blvd. Interchange, and between Coconut Creek Interchange and the Sawgrass Interchange in both the northbound and southbound directions. The traffic congestion is most predominant in the PM peak time and is categorized as moderate to severe. Increased congestion leads to an increase in crashes. The area between the I-595 Interchange and the Sunrise Blvd. Interchange is the project segment with the highest crash history.

Improvements to Florida's Turnpike are needed to enhance safety. Between 2012 and 2016, there were almost 3,000 crashes within the project limits equating to an economic cost of \$339 million. Widening Turnpike's Mainline to increase capacity is needed to accommodate the future travel demand, otherwise the increase in travel demand will result in increased congestion and will lead to an increase in crashes.

#### 1.3.1 Accommodate Travel Demands

With the regional population forecasted to be just over 7.5 million people by the year 2045, travel demands on the transportation network will increase as the population grows.

The traffic evaluation analysis identified the need for ten lanes by 2025 from south of I-595 (MP 53) to south of Atlantic Boulevard (MP 64) and ten lanes plus continuous auxiliary lanes are needed by 2040. From south of Atlantic Boulevard (MP66) to Wiles Road (MP 70), 8 lanes are needed now, and ten lanes are needed by 2040.

These travel demands must be met to provide a safe travel environment for all road users.

#### 1.3.2 Improve Travel Time Reliability

Improvements to Florida's Turnpike are needed to improve travel time reliability. As aforementioned, there is moderate to severe congestion during the morning and afternoon rush hours along the Turnpike and at interchange ramps. Although Florida's Turnpike did experience a drop in congestion during the height of the COVID-19 pandemic, a 2022 traffic evaluation shows congestion is returning to nearly pre-pandemic levels. Without an increase in capacity more stop and go traffic, more crashes, and longer delays would be expected in the future.

### 1.3.3 Improve Regional Connectivity

The project is located within a segment of the roadway network vital to the South Florida region. The corridor improvements are needed to enhance and maintain south Florida's economic and employment viability. Without Turnpike widening, severe congestion will impact the movement of people and goods throughout south Florida.

### 1.3.4 Enhance Emergency Response and Evacuation

The South Florida region is susceptible to hurricanes every year. Florida's Turnpike is a designated hurricane evacuation route, critical in facilitating traffic movement during emergency evacuation periods. With the population increase forecasted for the region, widening Florida's Turnpike Mainline would provide greater capacity to efficiently process large volumes of traffic during emergency evacuation events.

### 1.3.5 Pond Sites

Project Improvements will encroach into the adjacent floodplain. A single build alternative is being advanced as described in the project description; therefore, there are no project alternatives to compare to the preferred alignment. There is ROW acquisition for both roadway improvements and ponds/FPC sites.

A detailed analysis of the encroachment volumes resulting from roadway improvements and compensation for these encroachment volumes has been included in the Pond Siting Report which is under separate cover. Table 1-2 identifies each FPC site within each basin as well as the preferred site and associated acreage.

Table 1-1: FPC Sites				
Basin	Site Name	Area (ac.)	Preferred	Comment
C-11/N-4 – (Begin Project to I-595)	FPC-1	1.83	X	Heavy Equipment Parking
	FPC-2	2.22		
North New River (NNR) – (I-595 to Peters)	FPC-1	1.65	X	Within FPL Easement
	FPC-2	1.26		On the edge of Butterfly Lake
C-12 – (Peters to Oakland Park)	FPC-1A-1/1A-2	6.13	X	Within FPL Easement
	FPC-1B-1/1B-2	9.77	X	Undeveloped Parcel / Park
C-13 – (Oakland Park to SR 7)	FPC-1	16.91	X	Located on abandoned golf course
	FPC-2A/2B	18.93		
C-14 (South) – (SR 7 to Atlantic)	FPC-1	7.30		
	FPC-2	7.25	X	Linear adjacent to Lyons Road
C-14 (North) – (Atlantic to Sample)	FPC-1A/1B/1C	15.47		
	FPC-2A/2B/2C	14.58	X	FTE owns R/W
Hillsboro – (Sample to Wiles)	FPC-1	5.24		
	FPC-2	4.55	X	Outside Tradewinds Park

Note: Areas shown on this table may be larger than the areas shown in the calculations. This is because the areas in the calculations are based on a uniform shape. The areas on this table reflect drainage on areas which include real property shapes and remnant areas that were incorporated after the initial calculation footprint was located.

Table 1-2 below presents the preferred alternatives identified along the corridor. Single location ponds were considered appropriate for the C-11/N-4 basin due to the available volume within the I-595 interchange. Similarly, a single location pond was considered in the North New River (NNR) basin due to the available space within a large existing pond located in the northwest quadrant of the I-595 interchange. The other single location pond was at the end of the project. This was appropriate because the basin is relatively small compared to some of the others and didn't involve multiple sub-basins. Within all other basins, stormwater scenarios were considered that included multiple ponds within each sub-basin.

Table 1-2: Preferred Alternatives			
Basin/Pond Nomenclature	Pond Nomenclature	Preferred Alternative	Anticipated ROW Required
C-11/N-4	Single Location (Pond 1)	Alternative 2	0.00 ac.
NNR	Single Location (Pond 1)	Alternative 1	0.00 ac.
C-12	1A/1B/Interchange Areas A thru E	Alternative 1	0.00 ac.
C-13	1A/1B (1B-1/1B-2)	Alternative 1	3.19 ac. (1B-2)
C-14 (SR 7 to C-14)	1A-1/1A-2/1B/1C/1D	Alternative 1	5.75 ac. (1B)
			7.16 ac. (1C)
C-14 (C-14 to Sample)	1A-1/1A-2/1B	Alternative 1	0.00 ac.
Hillsboro	Single Location (Pond 1)	Alternative 1	0.00 ac.

Note: For the FPC and ponds sites there are multiple alternatives. The Alternative 1/2 or FPC-1/FPC-2 listed in the pond/FPC tables refers to pond/FPC alternatives, not overall mainline improvement.

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## 2 Land Use

### 2.1 Existing Land Use

Existing land use within the study area was determined through review of land cover GIS data obtained from the South Florida Water Management District (SFWMD). Existing land use was mapped within a quarter mile of the project limits based on the Florida Land Use, Cover and Forms Classification System (FLUCFCS) (SFWMD, 2019) for the project area and is summarized in Table 2-1 and shown in Figure 2-1.

FLUCFCS CODES	DESCRIPTION	PERCENTAGE
1100, 1200, and 1300	Residential	42.1%
8000	Transportation & Utilities	19.3%
1400	Commercial and Services	7.8%
1800 and 1900	Recreation and Open Space	7.5%
5000	Water	7.2%
1700	Institutional	4.8%
6000	Wetlands	3.9%
3100, 4200, and 4300	Bushland and Uplands	3.8%
1500	Industrial	2.5%
7000	Disturbed Land	1.1%
1600	Extractive	0.1%

Residential land comprises the largest percentage of the corridor with 2,980.7 acres (42%), followed by transportation and utilities 1,366.4 acres (19.3%). Commercial land and recreation/open space comprise the next largest share of the corridor with 7.8% and 7.5%, respectively. Approximately 7.2% of the corridor is water or wetlands, and 3.8% of the corridor is uplands including dry prairies and forested land. Institutional uses comprise 4.8% of the corridor, and 2.5% of the corridor is industrial land. Disturbed land accounts for 1.1% of the corridor's land use, followed by less than 1% extractive land.

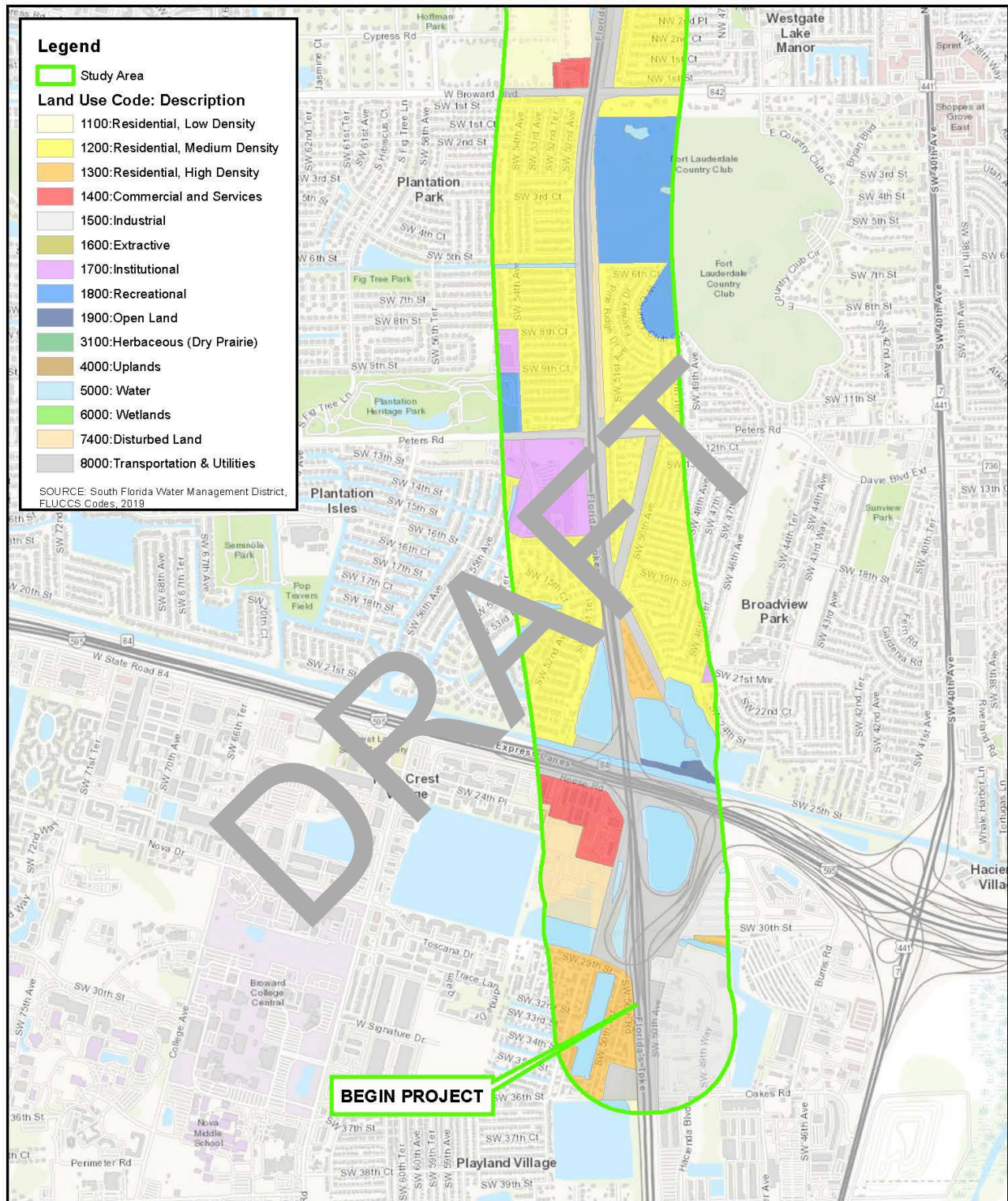
The Florida's Turnpike corridor between I-595 and Wiles Road is a highly developed corridor spanning the center of built-out Broward County, with little to no developable land. Land use patterns throughout the corridor include low, medium, and high-density residential development directly adjacent to Florida's Turnpike. Commercial, institutional, and industrial development can all be found at the corridor's interchanges. Recreation and open space can be found as golf courses surrounded by neighborhoods such as the Fort Lauderdale Country Club near Broward Boulevard, Inverrary Country Club near Oakland Park Boulevard, and Palm Aire

Country Club near Atlantic Boulevard. Other major recreation land uses include Plantation Heritage Park off Peters Road, Fern Forest Nature Center near Atlantic Boulevard, and Tradewinds Park west of Florida's Turnpike between Sample Road and Copans Road.

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Figure 2-1: Existing Land Use



Florida's Turnpike (SR 91) Widening Project  
Development & Environment (PD&E) Study  
From South of I-595 to Wiles Road  
Broward County, Florida  
Financial Project ID Number: 442212-1-22-01  
ETDM Number: 14350

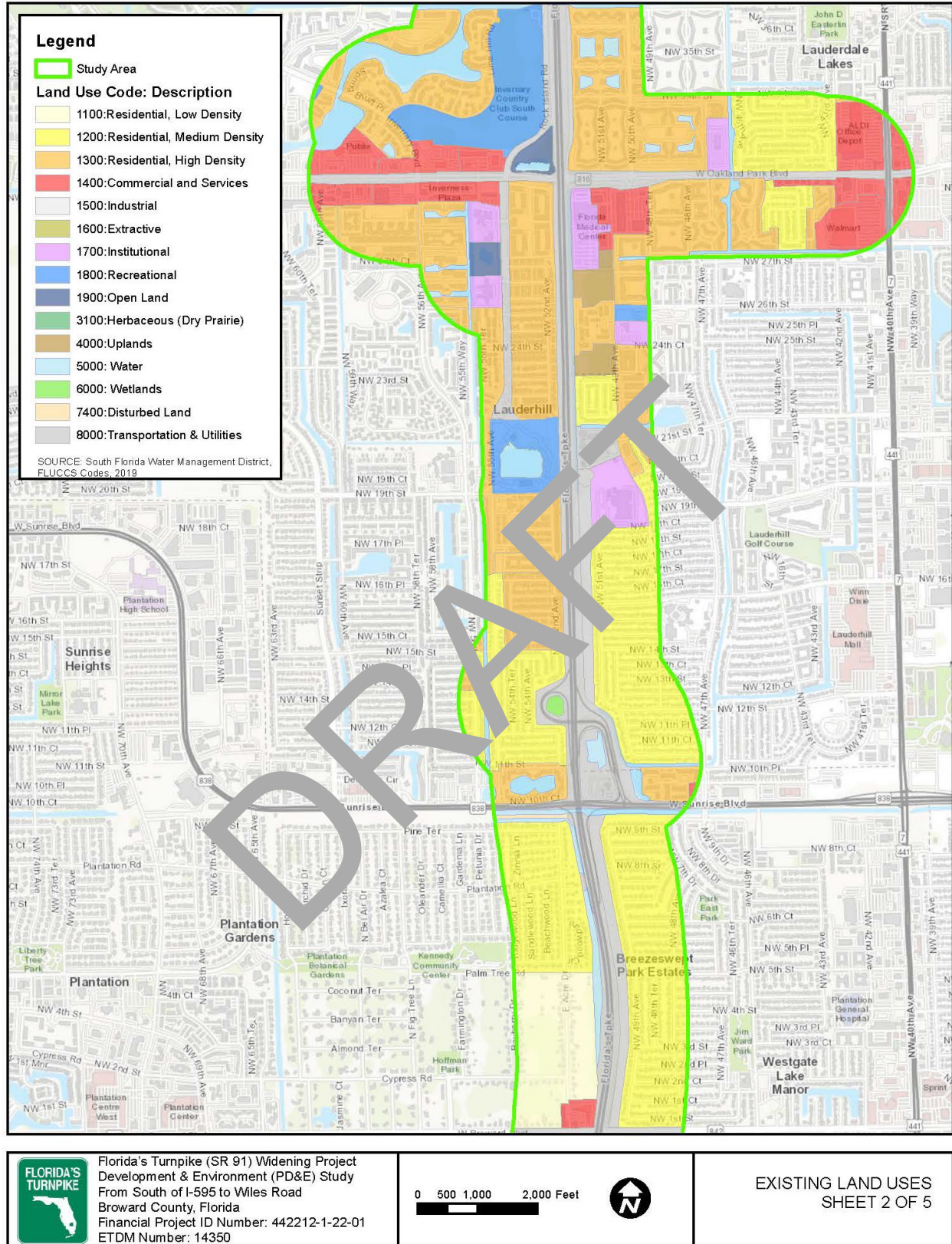
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EXISTING LAND USES  
SHEET 1 OF 5

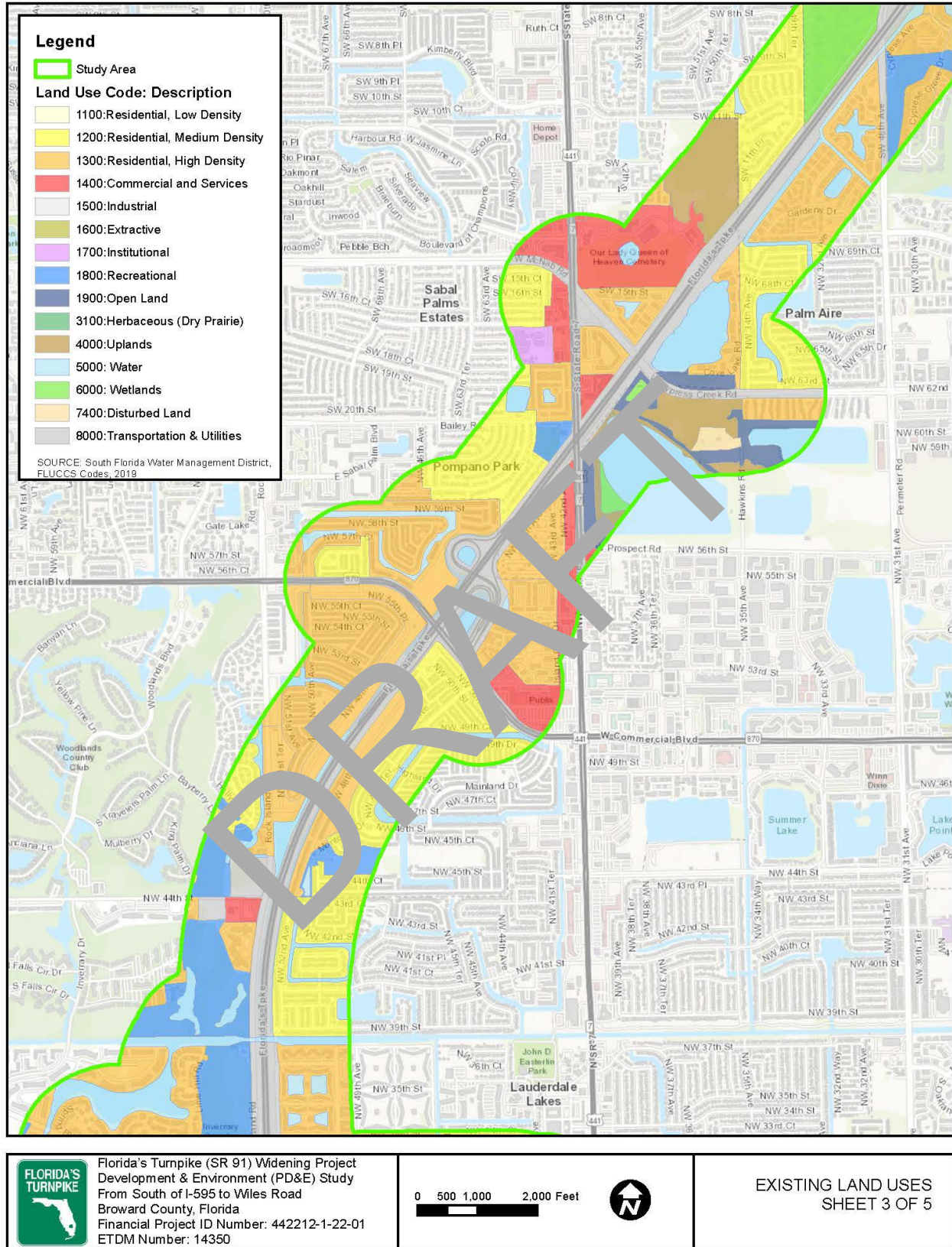


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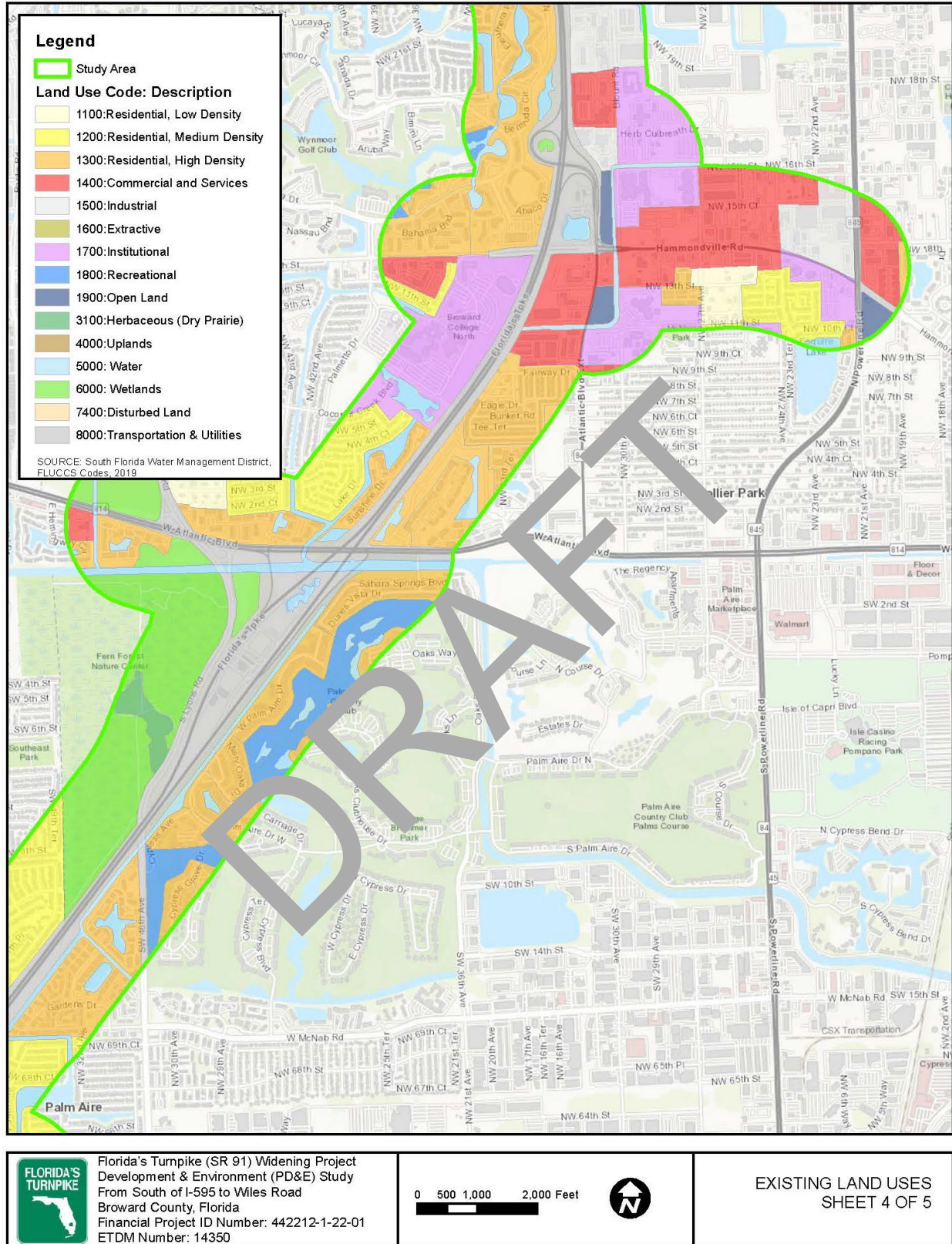


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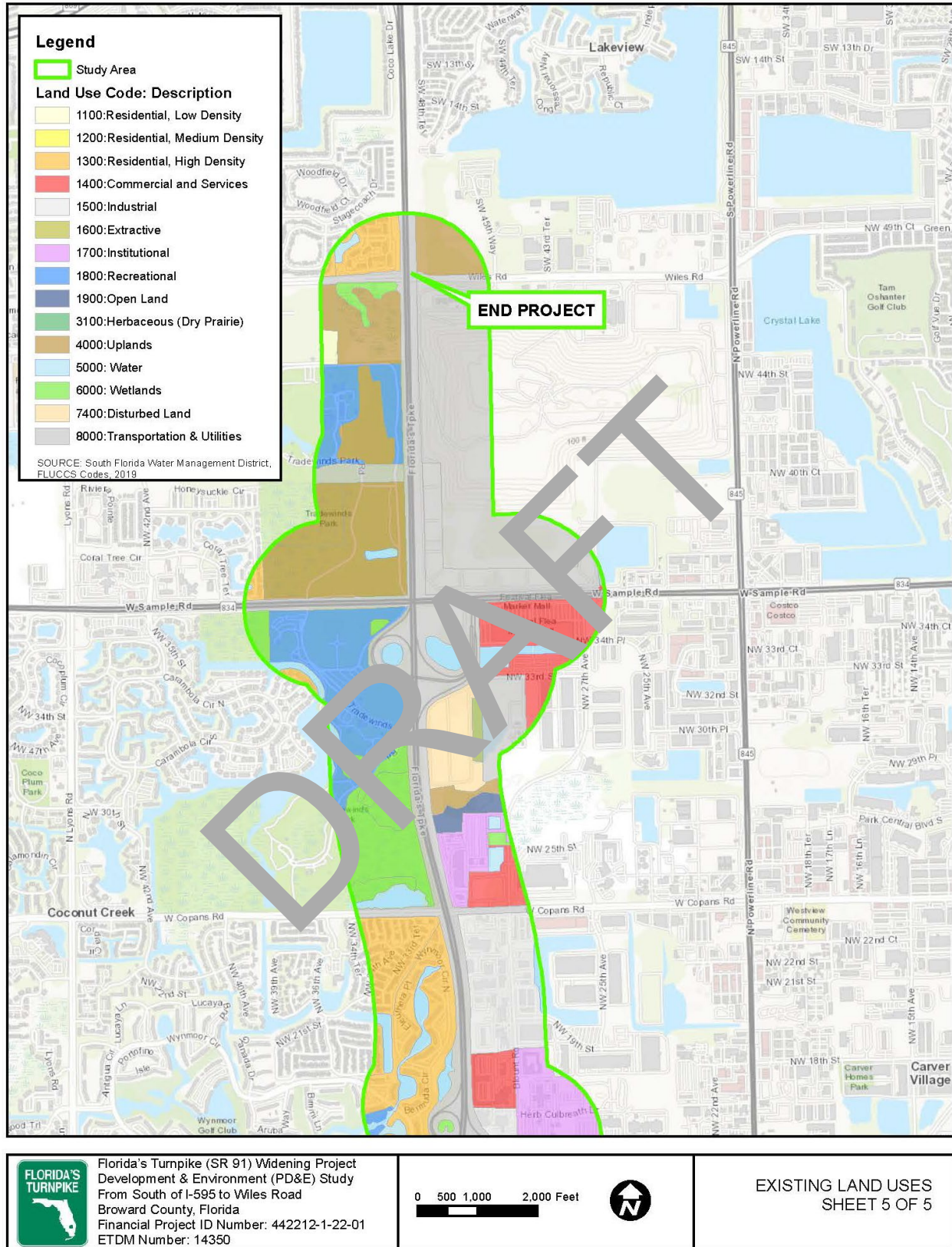




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## 2.2 Future Land Use

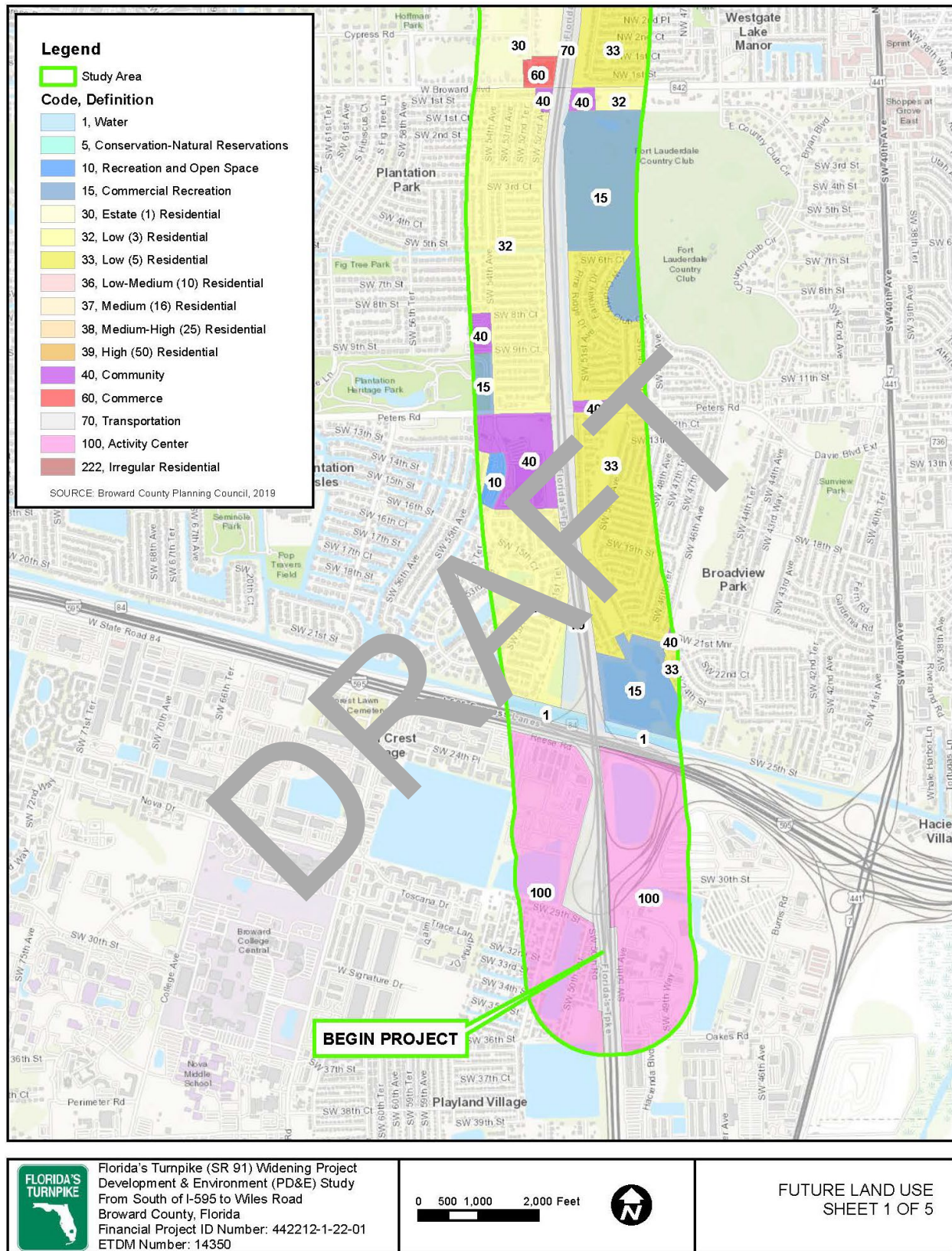
Broward Planning Council's Future Land Use (FLU) data (2019) located within a quarter-mile of Florida's Turnpike within the project limits was collected, mapped, and analyzed to determine the corridor's future land use composition as summarized in **Table 2-2**. The Future Land Use Map provides the planned land uses throughout the corridor as shown in **Figure 2-2**.

Table 2-2: Future Land Use Composition Summary	
FUTURE LAND USE	PERCENTAGE
Residential	46%
Commerce	15%
Transportation	12%
Recreation and Open Space	8%
Commercial Recreation	6%
Community	5%
Activity Center	4%
Conservation-Natural Reservation	3%
Water	1%

The corridor's future land use is predominantly residential (46%) followed by commercial (15%). Transportation, which includes Florida's Turnpike within the project limits, accounts for approximately 12% of the corridor's future land use. Recreation and open space comprise 8% of the corridor's future land use, followed by commercial recreation (6%), community use (5%), and activity centers (4%). Conservation natural reservations account for 3% of the corridor's future land use, followed by water (1%).

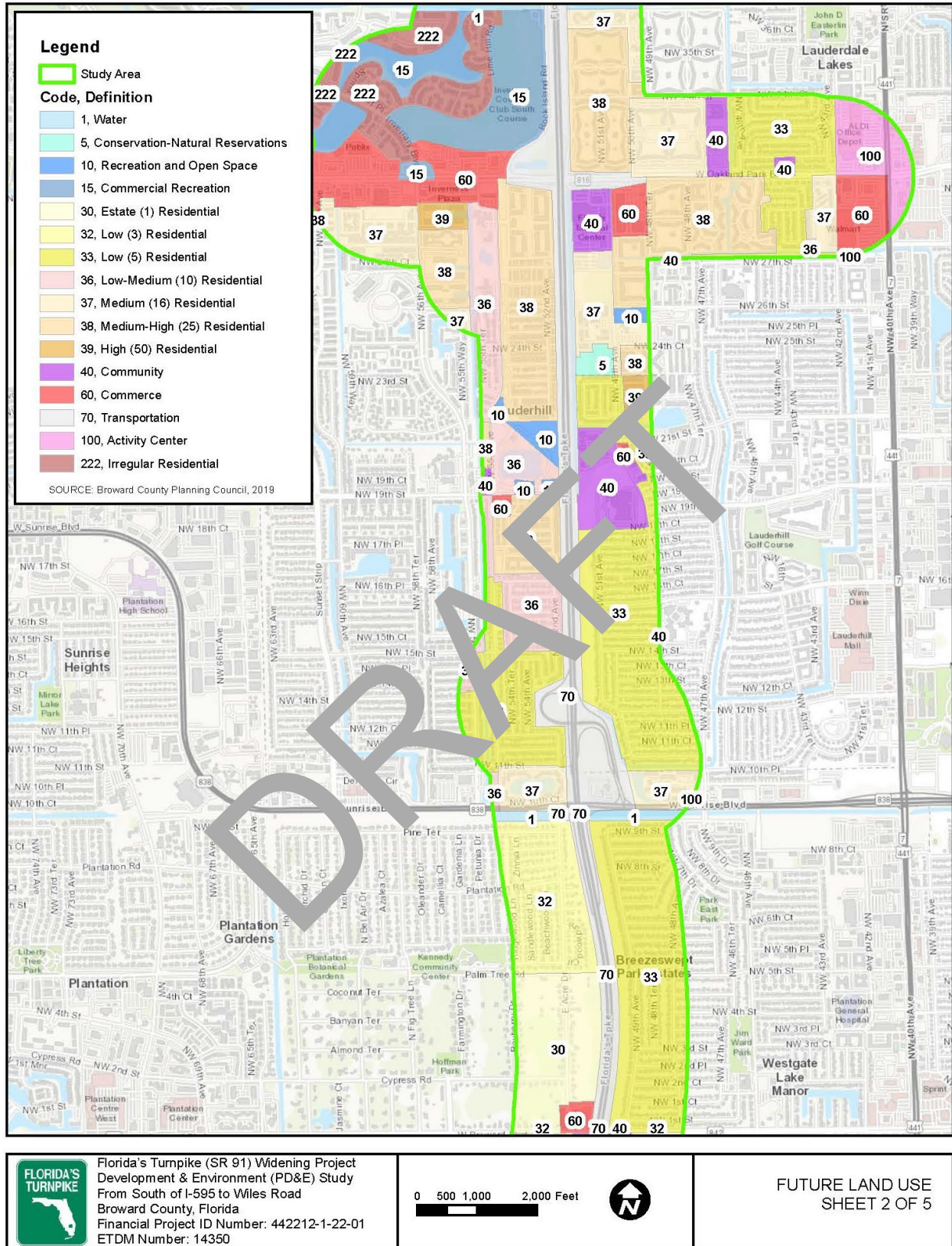


Figure 2-2: Future Land Use Map



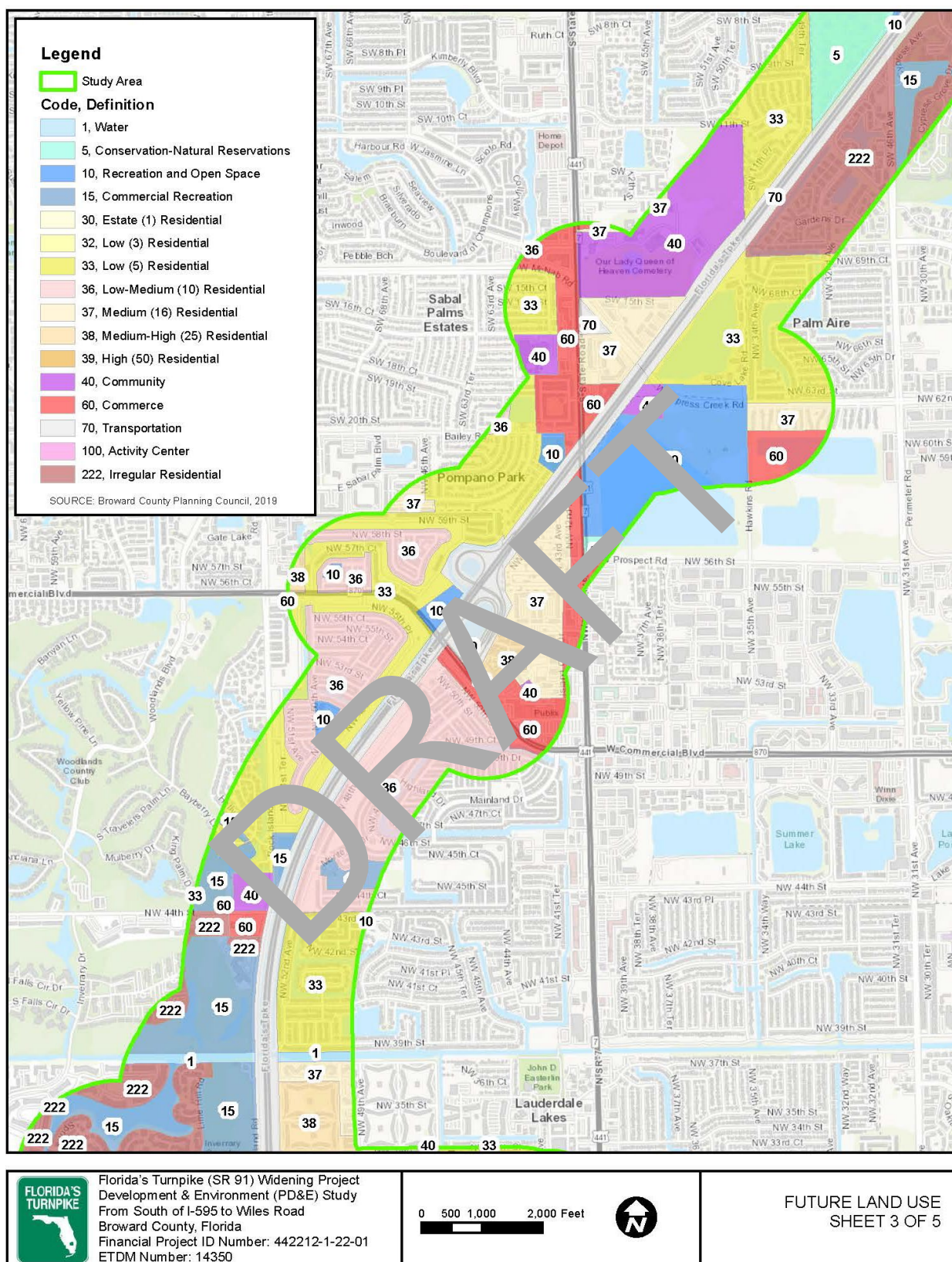


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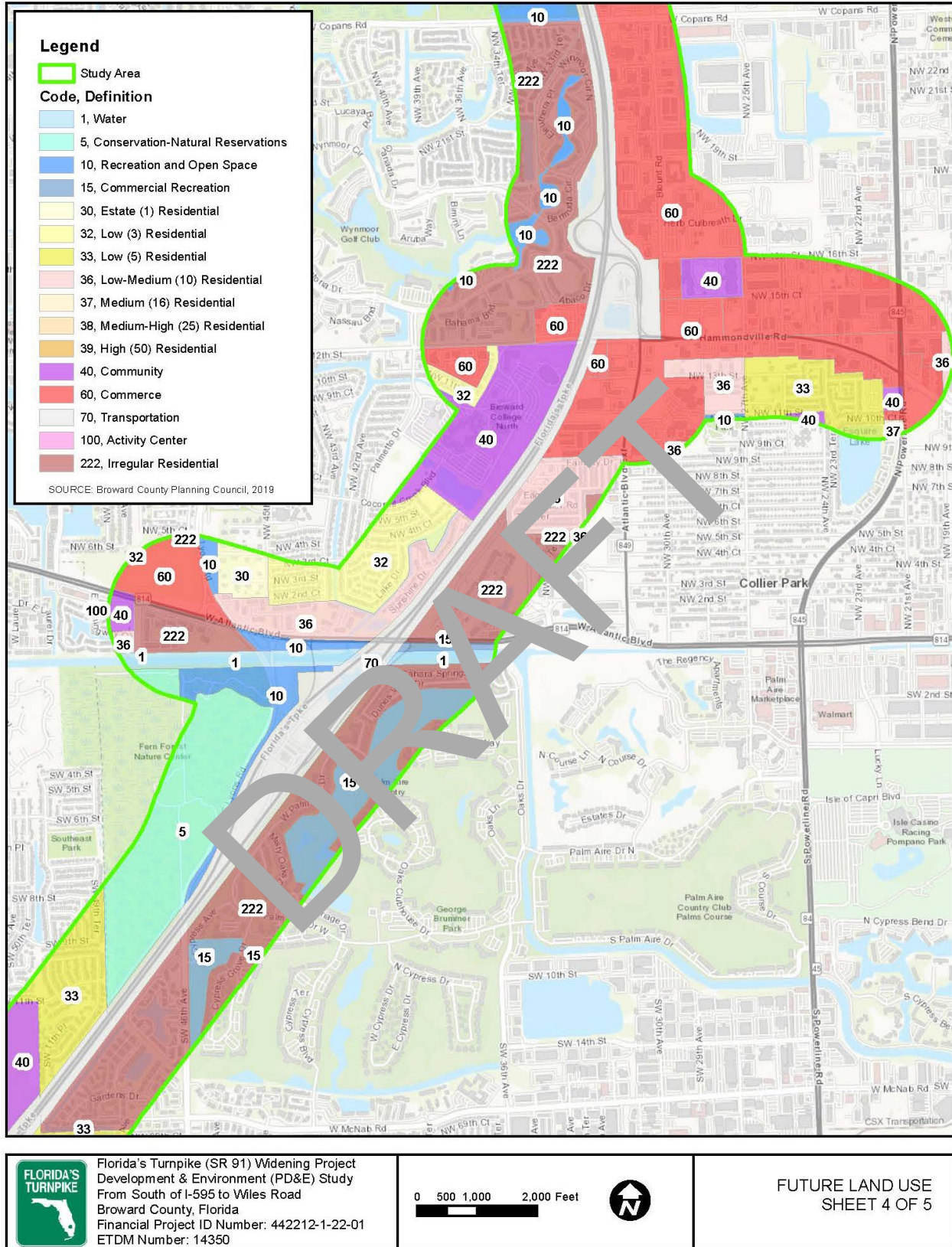


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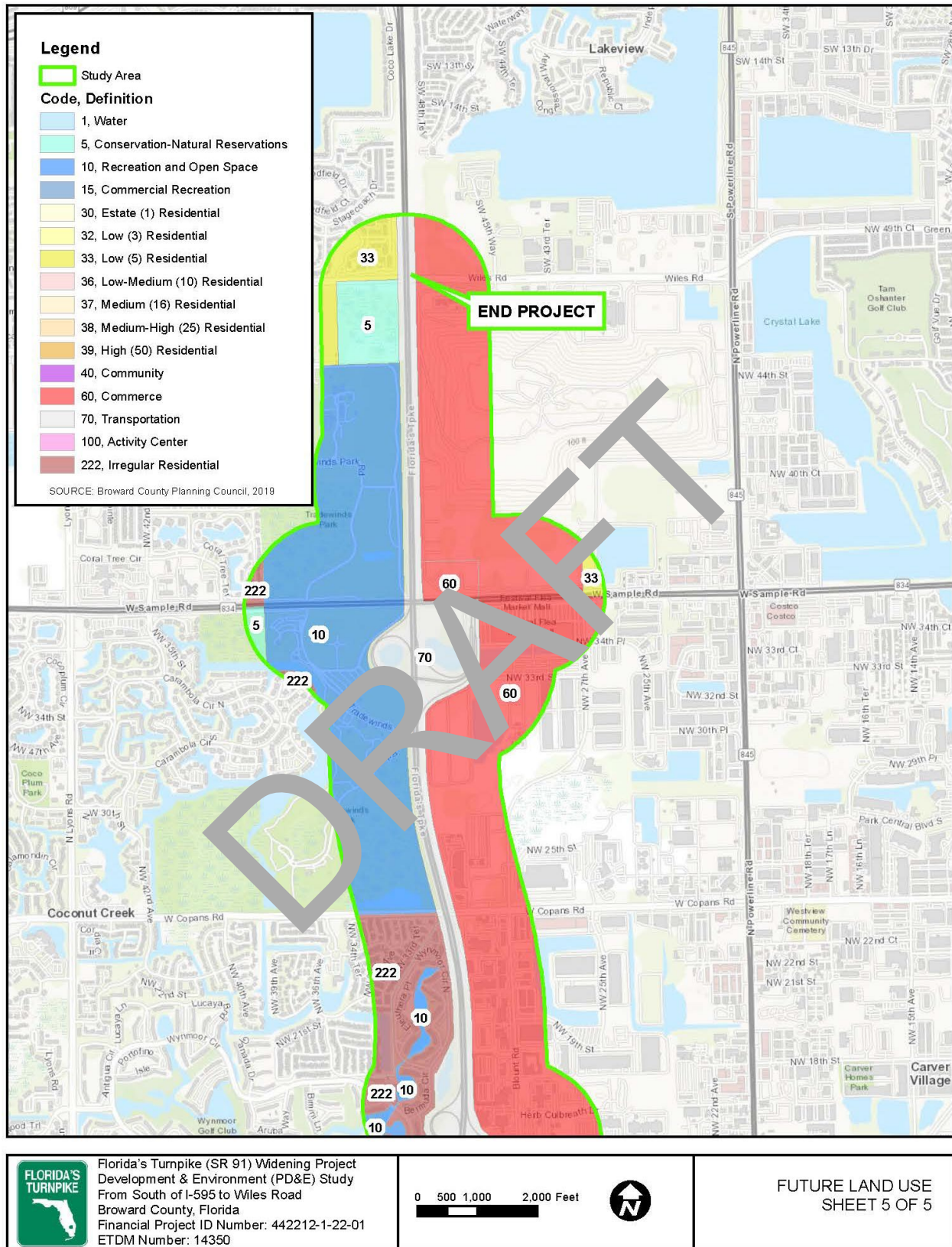




# Contamination Screening Evaluation Report







### 3 Hydrological Features

#### 3.1 Regional Physiography, Geology, and Hydrogeology

The project study area is in a densely populated area along the Florida Turnpike extending approximately 17 miles from approximately MP 53 at the southern terminus (north of Griffin Road) to MP 70 at the northern terminus (north of Wiles Road) in Broward County, Florida.

The southern half of the study area is in the Everglades Province, a broad plain, sloping gently from north to south in southern peninsular Florida. For the most part, the province is covered by sawgrass marsh with scattered tree islands that transition to mangroves to the south and pine flatwoods to the east and west. Parts have been interrupted by canals, agricultural areas, and other land uses. Elevations in the Everglades Province generally range from sea level to 30 feet above mean sea level (MSL). Locally, at the southern half of the project study area, natural land-surface elevations range from 5 feet to 10 feet MSL. The Pleistocene Miami Limestone underlies the province. The northern half of the study area is in the western limit of the Atlantic Coastal Ridge, a subdivision of the Atlantic Coastal Plain Physiographic Province of the eastern United States. Regionally, the Atlantic Coastal Ridge extends along the peninsular coast as a low ridge of sand over limestone that ranges in altitude from about 10 to 50 feet above sea level. Locally, at the northern half of the project study area, natural land-surface elevations range from 10 feet to 15 feet MSL. The Pleistocene Miami Limestone underlies the Atlantic Coastal Ridge.

At the surface, Pamlico Sand ranges from 2 to 10 feet in thickness. Both the Miami Limestone and Anastasia Formation (geologic units of the Biscayne Aquifer) immediately underlie the surface sands. The Miami Limestone consists of sandy oolitic and fossiliferous limestone with a thickness of approximately 40 feet. The Anastasia Formation is composed of sand, sandstone, limestone coquina, and shell beds with a thickness of approximately 120 feet.

The marly sands, sandy marl, and clay marl of the Tamiami Formation, and upper Hawthorn Formations underlie the Anastasia Formation, and form a confining bed overlying the Floridan Aquifer. The upper part of the Hawthorn Formation is encountered at a depth of approximately 320 feet near the project corridor, where it has a thickness of approximately 600 feet.

Hydrogeologic units underlying the project area may be described as two distinct aquifers separated by a confining layer. The Pamlico Sand, Miami Limestone, and Anastasia Formation composed of permeable, sand, limestone, and shell beds comprise the Biscayne Aquifer. The base of the Biscayne Aquifer is approximately 140 feet beneath the land surface in the vicinity of the study area. The confining beds that separate the Biscayne and Floridan Aquifers consist of approximately 620 feet of marly sand, sandy marl, and clay marl of the Tamiami and Hawthorn formations. The Floridan Aquifer, approximately 900 feet beneath the area, is composed of

limestone of the Hawthorn (lower part), Tampa, Suwannee, and Avon Park Formations ranging in age from 30 to 60 million years.

The permeable surficial sediments along the alignment are conducive to the contamination of underlying hydrogeologic units. If contamination were present beneath a particular property of interest the likelihood of soil contamination in the unsaturated zone would be elevated. Similarly, the contamination of groundwater beneath this property would also be elevated. The likelihood for light non-aqueous phase liquids (i.e., petroleum products), or dissolved constituents to migrate from the area would largely be controlled by the permeability of sediments and the hydrogeologic gradient in the area. Dense non-aqueous phase liquids, commonly associated with chlorinated solvent losses, typically are influenced by permeability differentials in the subsurface such that pooling can occur on low permeability horizons located beneath the water table.

Topography in the area is relatively level with the exception of embankments supporting the Turnpike and interchanges. Areas outside the corridor are also relatively level. Figures 3-1 through Figure 3-4 shows the topography of the study area, obtained from United States Geological Survey (USGS). The hydrogeologic gradient and associated groundwater flow direction would be primarily controlled by topography and the presence of surface water bodies exerting an influence on the potentiometric surface. Due to the extent of the study area, a general groundwater flow direction cannot be assigned. Specific groundwater flow direction for a certain portion of the corridor can be determined through water level measurements at surveyed monitoring wells (MW).



Figure 3-1: Topographic Map

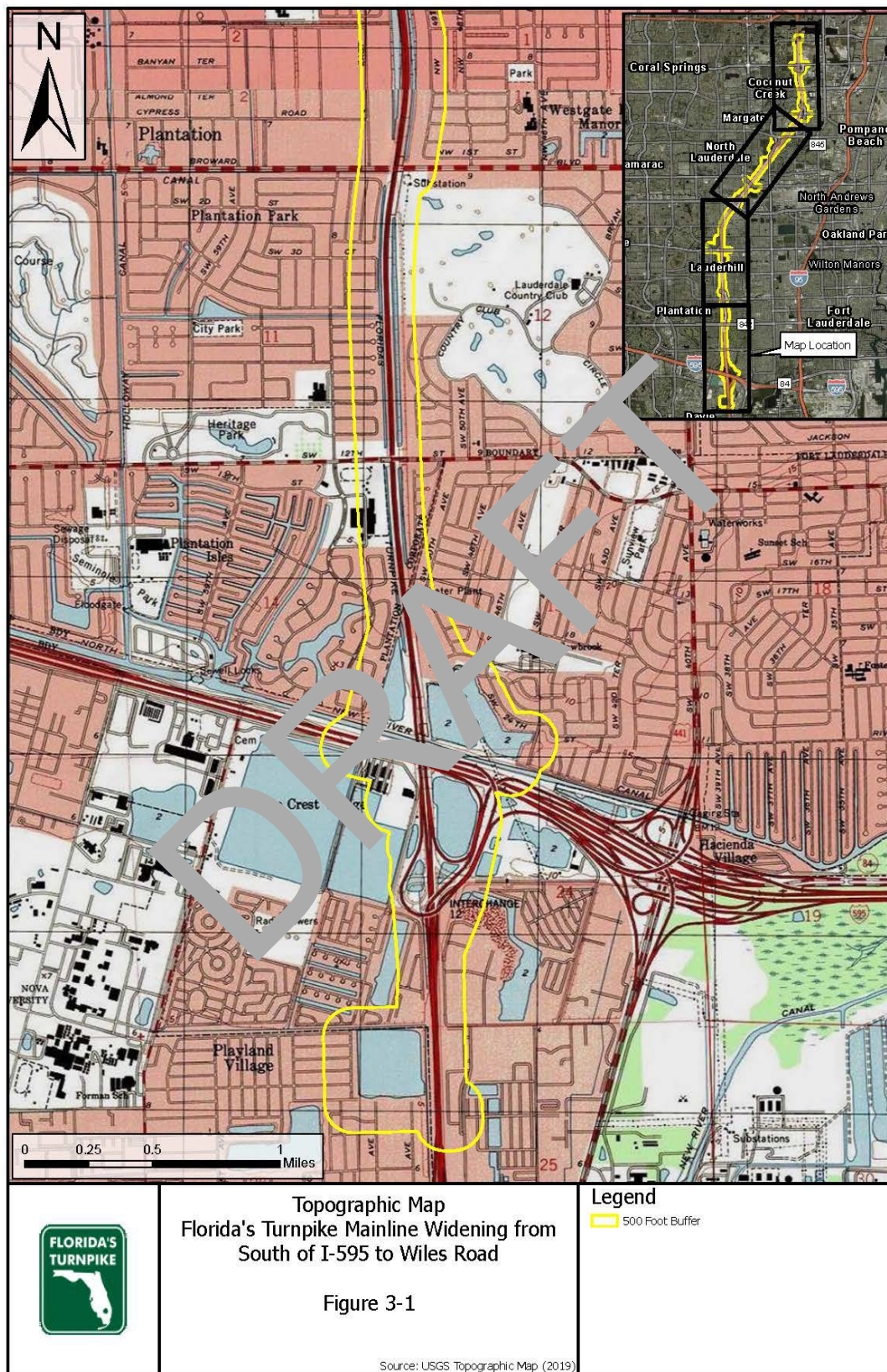




Figure 3-2: Topographic Map

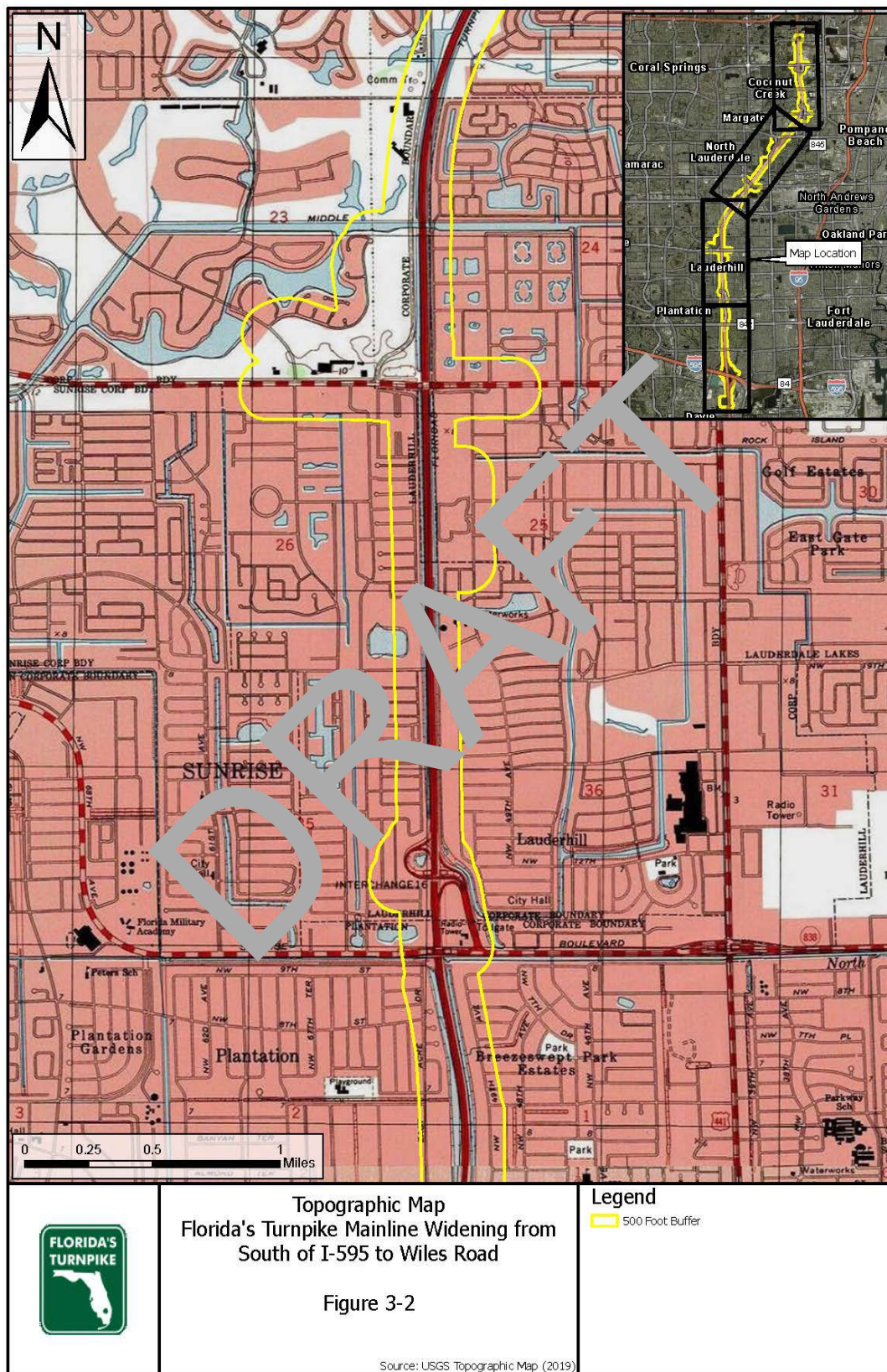




Figure 3-3: Topographic Map

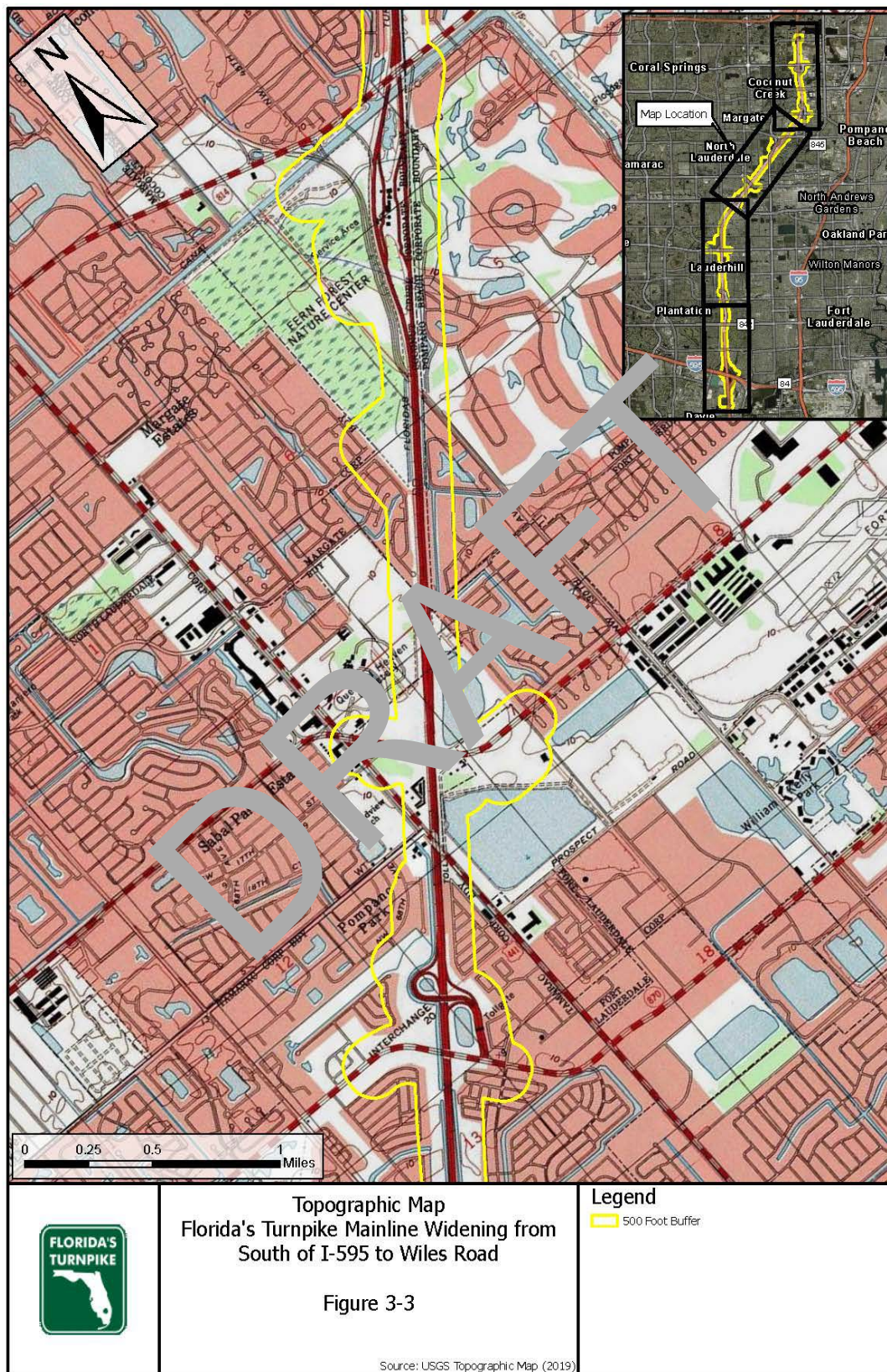
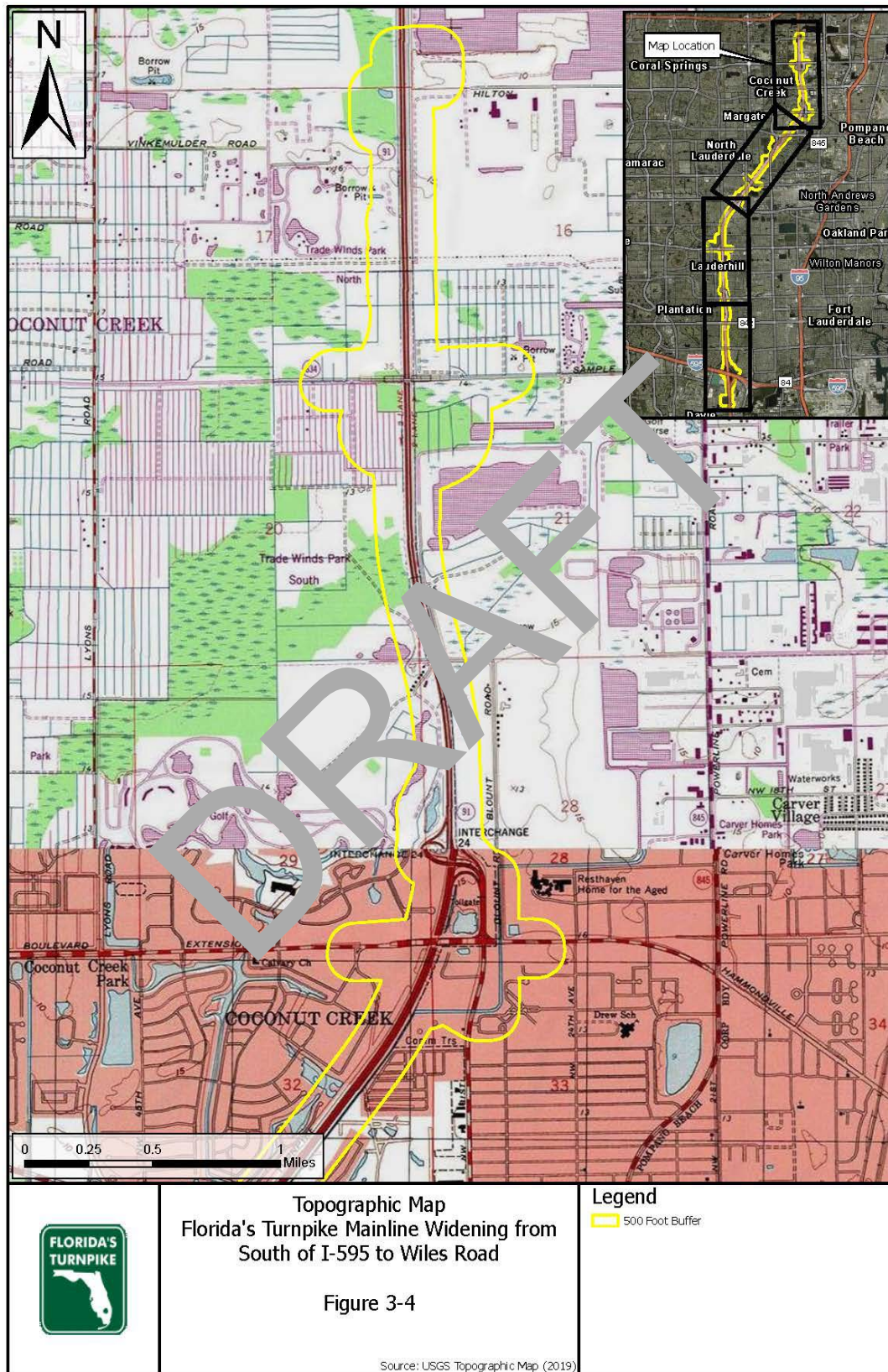




Figure 3-4: Topographic Map



### 3.2 Soils

The soils along the corridor varies but are generally poorly drained fine sands. The major soil components are Immokalee Urban Land Complex, Immokalee Fine Sands or Margate Fine Sands. There is also a smaller component of Udorthents, Matlacha Limestone and Hallendale Fine Sands. Figure 3-5 illustrates the Natural Resources Conservation Service (NRCS) soils information along the corridor and Table 3-1 presents the major soil components along the corridor.

Figure 3-5: NRCS Soils Map

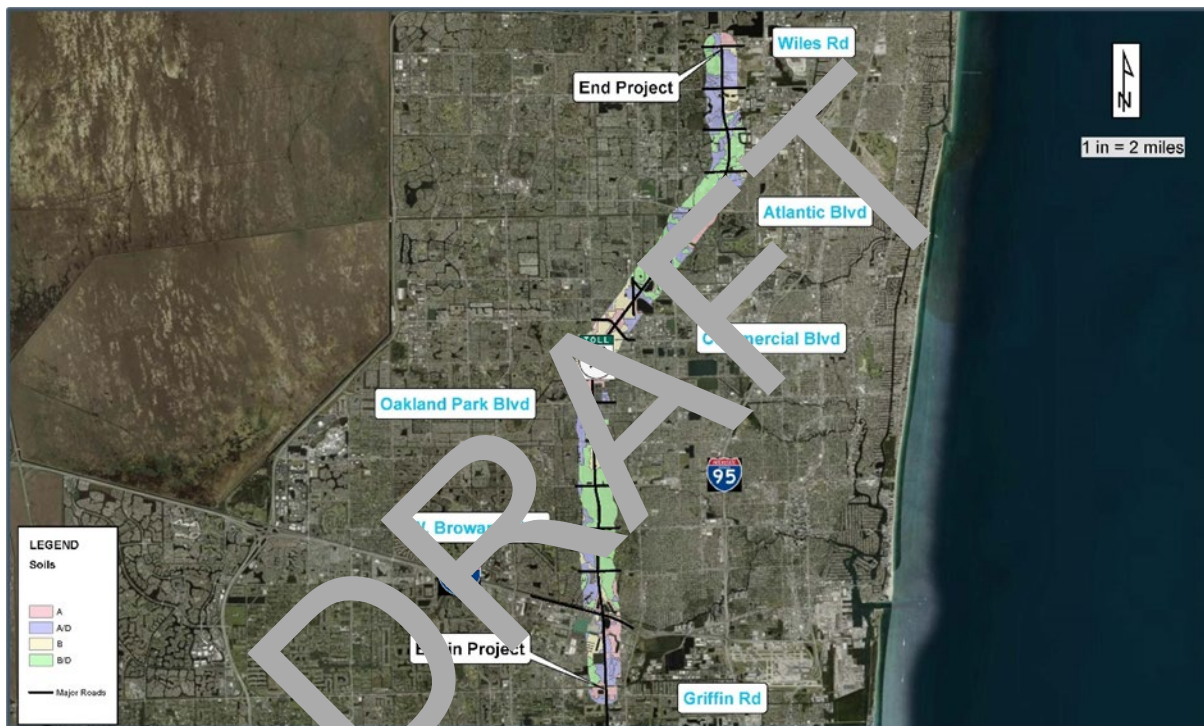


Table 3-1: Major Soil Components

Limits	Soil Type	Soil Characteristics
Orange Drive to Peters Road	Margate Fine Sand	A/D - Poorly drained
	Udorthents	A – Somewhat poorly drained
Peters Road to Sunrise Blvd.	Immokalee-Urban Land Complex	B/D – Poorly drained
Sunrise Blvd. to Oakland Park Blvd.	Immokalee-Urban Land Complex	B/D – Poorly drained
	Matlacha, Limestone	B – Poorly drained
	Immokalee, Limestone	A/D – Poorly drained



Table 3-1: Major Soil Components		
Limits	Soil Type	Soil Characteristics
Oakland Park Blvd. to Commercial Blvd.	Matlacha, Limestone	B- Poorly drained
	Udorthents	A – Somewhat poorly drained
Commercial Blvd. to SR 7	Udorthents	A – Somewhat poorly drained
	Matlacha, Limestone	B- Poorly drained
SR 7 to Atlantic Blvd.	Margate, Fine Sand	A/D – Poorly drained
	Immokalee, Fine Sand	B/D – Poorly drained
	Basinger, Fine Sand	A/D – Poorly drained
	Hallendale, Fine Sand	B/D – Poorly drained
Atlantic to Coconut Creek Pkwy.	Immokalee, Fine Sand	B/D – Poorly drained
	Immokalee-Urban Land Complex	B/D – Poorly drained
Coconut Creek Pkwy. to Copans Road	Immokalee, Fine Sand	B/D – Poorly drained
	Hallendale, Fine Sand	B/D – Poorly drained
	Timberline, Fine Sand	A/D – Very poorly drained
Copans Road to Sample Road	Immokalee, Fine Sand	B/D – Poorly drained
	Margate, Fine Sand	A/D – Poorly drained
Sample Road to Wiles Road	Margate, Fine Sand	A/D – Poorly drained
	Immokalee, Fine Sand	B/D – Poorly drained
	Plantation	A/D – Very poorly drained

### 3.3 Drainage and Surface Waters

There are six major basins within the project study area. The outfall location for each basin are canals that transect the project study area. Table 3-2 summarizes basins and receiving waters identified in the project study area.

Table 3-2 : Drainage Basin Summary			
Basin	Extents	Receiving Waterbody	Open/Closed
C-11/N-4	MP 53 (Orange Drive) to I-595	N-4 Canal	Open
North New River	I-595 to Peters Road	North New River Canal	Open
C-12	Peters Road To Oakland Park Blvd.	C-12 Canal	Open
C-13	Oakland Park Blvd to SR 7	C-13 Canal	Open

Table 3-2 : Drainage Basin Summary			
Basin	Extents	Receiving Waterbody	Open/Closed
C-14	SR 7 to Sample Road	C-14 Canal	Open
Hillsboro Canal	Sample Road to Wiles Road	Hillsboro Canal	Open

There are many different stormwater management systems that ultimately discharge to a canal. These systems include linear swales, ditches, dry detention areas, wet ponds, and cross drain conveyances. Many cross drains exist within the project study area. Cross drains convey offsite stormwater runoff from one side of the Turnpike to the other. Some cross drains convey onsite runoff from one side of Turnpike to the other or serve as outfall control structures for the various existing linear extended detention systems. Refer to the Pond Siting Report and Location Hydraulic Report, generated under separate covers, for additional details and figures illustrating existing drainage systems within the project study area.

### 3.4 Potable Water Supplies

The proximity of the project corridor to public and private wellfields was investigated using Florida Department of Environmental Protection's (FDEP) Map Direct Public Water Supply (PWS) Wells data and the National States Geographic Information Council's Geographic Information System (GIS) Inventory for State Underground Petroleum Environmental Response (SUPER) Act Program Risk Sources in Florida. The SUPER Act was enacted by Florida State Legislature in 1986 to conduct drinking water well sampling and investigation around known or suspected contaminated petroleum facilities.

The PWS data provides statewide coverage of PWS wells, excluding federally owned facilities. For this investigation, PWS wells are defined as municipal or community well fields of greater than 100,000 gallons per day permitted capacity. A search radius of one-half mile was used to identify PWS wells for analysis. Forty-three PWS wells are located within one-half mile of the project corridor. Four inactive wells are located within one-quarter mile of the project corridor.

The SUPER Act Risk Sources in Florida data provides statewide coverage of information, including well locations, associated with petroleum and dry-cleaning facilities investigated as part of the SUPER Act and the Drycleaning Solvent Surveillance Program. A search radius of one-half mile was used to identify public wells. A one-quarter mile search radius was used to identify private wells. Eleven public SUPER Act wells are located within one-half mile of the project corridor. These wells are detailed in Table 3-3 and shown in Figure 3-6 through Figure 3-9.

Table 3-3: PWS and SUPER Act Wells within One-Half Mile of Project Corridor						
ID	PWS or SUPER Act	FL Well ID	Address	Approximate Distance to Nearest Point of Project Corridor	Use	Status
1	PWS	329150	3015 13th Ave Davie, FL 33312	1755	Private Water	ACTIVE
2	PWS	329148	3015 13th Ave Davie, FL 33312	1961	Private Water	INACTIVE
3	PWS	1171004	3015 SW 53 Ter Davie, FL 33314	1724	Private Water	ACTIVE
4	SUPER ACT	1022132	W Country Club Circle and SW 49 Terr Fort Lauderdale, FL 33317	1400	Private Irrigation	ACTIVE
5	SUPER ACT	1030816	621 W Country Club Cir Plantation, FL 33317	310	Private Irrigation	ACTIVE
6	SUPER ACT	1030820	621 W Country Club Cir Plantation, FL 33317	340	Private Irrigation	ACTIVE
7	SUPER ACT	1030814	621 W Country Club Cir Plantation, FL 33317	193	Private Irrigation	ACTIVE
8	SUPER ACT	1030818	621 W Country Club Cir Plantation, FL 33317	1140	Private Irrigation	ACTIVE
9	SUPER ACT	1030810	621 W Country Club Cir Plantation, FL 33317	2545	Private Irrigation	ACTIVE
10	PWS	329364	2101 NW 49 Ave Lauderhill, FL 33313	561	City of Lauderhill	ACTIVE
11	PWS	329368	2101 NW 49 Ave Lauderhill, FL 33313	356	City of Lauderhill	ACTIVE
12	PWS	595842	2101 NW 49 Ave Lauderhill, FL 33313	262	City of Lauderhill	ACTIVE
13	PWS	329362	2101 NW 49 Ave Lauderhill, FL 33313	468	City of Lauderhill	ACTIVE
14	PWS	329366	2101 NW 49 Ave Lauderhill, FL 33313	635	City of Lauderhill	ACTIVE
15	PWS	329370	2101 NW 49 Ave Lauderhill, FL 33313	882	City of Lauderhill	ACTIVE
16	PWS	323246	3501 W Prospect Rd Fort Lauderdale, FL 33309	1429	City of Fort Lauderdale	ACTIVE
17	PWS	323244	3501 W Prospect Rd Fort Lauderdale, FL 33309	1971	City of Fort Lauderdale	ACTIVE
18	PWS	323242	3501 W Prospect Rd Fort Lauderdale, FL 33309	2007	City of Fort Lauderdale	ACTIVE
19	PWS	323260	3501 W Prospect Rd Fort Lauderdale, FL 33309	2094	City of Fort Lauderdale	ACTIVE
20	PWS	323262	3501 W Prospect Rd Fort Lauderdale, FL 33309	2236	City of Fort Lauderdale	ACTIVE

Table 3-3: PWS and SUPER Act Wells within One-Half Mile of Project Corridor						
ID	PWS or SUPER Act	FL Well ID	Address	Approximate Distance to Nearest Point of Project Corridor	Use	Status
21	PWS	323264	3501 W Prospect Rd Fort Lauderdale, FL 33309	2557	City of Fort Lauderdale	ACTIVE
22	PWS	323276	3501 W Prospect Rd Fort Lauderdale, FL 33309	2591	City of Fort Lauderdale	INACTIVE
23	PWS	323258	3501 W Prospect Rd Fort Lauderdale, FL 33309	1545	City of Fort Lauderdale	ACTIVE
24	PWS	323278	3501 W Prospect Rd Fort Lauderdale, FL 33309	2210	City of Fort Lauderdale	ACTIVE
25	PWS	323248	3501 W Prospect Rd Fort Lauderdale, FL 33309	615	City of Fort Lauderdale	ACTIVE
26	PWS	323272	3501 W Prospect Rd Fort Lauderdale, FL 33309	275	City of Fort Lauderdale	ACTIVE
27	PWS	323256	3501 W Prospect Rd Fort Lauderdale, FL 33309	1035	City of Fort Lauderdale	ACTIVE
28	PWS	323282	3501 W Prospect Rd Fort Lauderdale, FL 33309	1048	City of Fort Lauderdale	ACTIVE
29	PWS	323280	3501 W Prospect Rd Fort Lauderdale, FL 33309	1829	City of Fort Lauderdale	INACTIVE
30	PWS	323274	3501 W Prospect Rd Fort Lauderdale, FL 33309	2303	City of Fort Lauderdale	ACTIVE
31	PWS	324506	3501 W Prospect Rd Fort Lauderdale, FL 33309	909	City of Fort Lauderdale	ACTIVE
32	PWS	323244	3501 W Prospect Rd Fort Lauderdale, FL 33309	451	City of Fort Lauderdale	ACTIVE
33	PWS	323250	3501 W Prospect Rd Fort Lauderdale, FL 33309	130	City of Fort Lauderdale	ACTIVE
34	PWS	323252	3501 W Prospect Rd Fort Lauderdale, FL 33309	290	City of Fort Lauderdale	ACTIVE
35	PWS	1030804	3501 W Prospect Rd Fort Lauderdale, FL 33309	1917	City of Fort Lauderdale	ACTIVE
36	PWS	1030806	3501 W Prospect Rd Fort Lauderdale, FL 33309	1112	City of Fort Lauderdale	ACTIVE
37	PWS	1030802	3501 W Prospect Rd Fort Lauderdale, FL 33309	220	City of Fort Lauderdale	ACTIVE
38	PWS	1026820	3501 W Prospect Rd Fort Lauderdale, FL 33309	124	City of Fort Lauderdale	ACTIVE
39	SUPER ACT	291888	2100 S SR 7 Pompano Beach, FL 33068	181	Private Water	ACTIVE
40	SUPER ACT	291890	2048 S SR 7 Pompano Beach, FL 33068	121	Private Water	ACTIVE

Table 3-3: PWS and SUPER Act Wells within One-Half Mile of Project Corridor						
ID	PWS or SUPER Act	FL Well ID	Address	Approximate Distance to Nearest Point of Project Corridor	Use	Status
41	SUPER ACT	29189 2	1752 S SR 7 Pompano Beach, FL 33068	265	Private Water	ACTIVE
42	SUPER ACT	29189 4	1750 S SR 7 Pompano Beach, FL 33068	389	Private Water	ACTIVE
43	PWS	32450 4	3501 W Prospect Rd Fort Lauderdale, FL 33309	107	City of Fort Lauderdale	ACTIVE
44	PWS	10307 98	3601 W Cypress Creek Rd Fort Lauderdale, FL 33309	235	City of Fort Lauderdale	ACTIVE
45	PWS	10140 68	1205 5Th Ave Pompano Beach, FL 33060	2486	Private Irrigation	ACTIVE
46	PWS	10140 66	1205 5Th Ave Pompano Beach, FL 33060	2486	Private Irrigation	ACTIVE
47	PWS	60589 3	Palm Aire Country Club Pompano Beach, FL 33060	481	City of Pompano Beach	ACTIVE
48	PWS	60589 6	Palm Air Country Club Pompano Beach, FL 33060	1724	City of Pompano Beach	ACTIVE
49	PWS	60589 4	Palm Aire Country Club Pompano Beach, FL 33060	443	City of Pompano Beach	ACTIVE
50	PWS	60589 7	Palm Aire Country Club Pompano Beach, FL 33060	1336	City of Pompano Beach	ACTIVE
51	PWS	60589 5	Palm Air Country Club Pompano Beach, FL 33060	322	City of Pompano Beach	ACTIVE
52	PWS	32963 0	3501 NE 12Th St Pompano Beach, FL 33060	1309	City of Pompano Beach	INACTIVE
53	PWS	60589 8	Palm Aire Country Club Pompano Beach, FL 33060	1271	City of Pompano Beach	ACTIVE
54	SUPER ACT	77440 8	1550 NW24 Ave Pompano Beach, FL 33069	2008	Private Water	ACTIVE



Figure 3-6: Potable Water Supplies Map

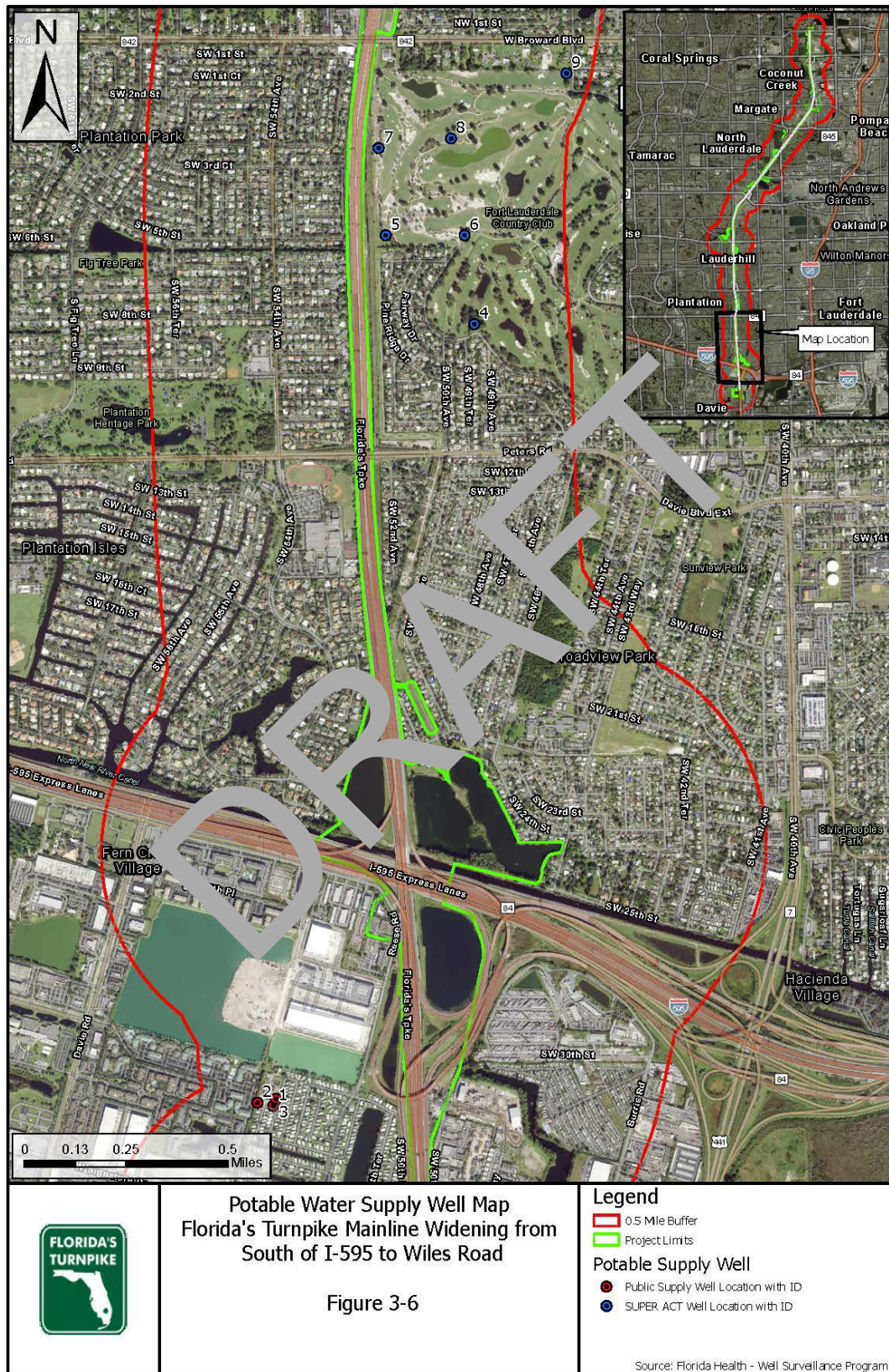




Figure 3-7: Potable Water Supplies Map

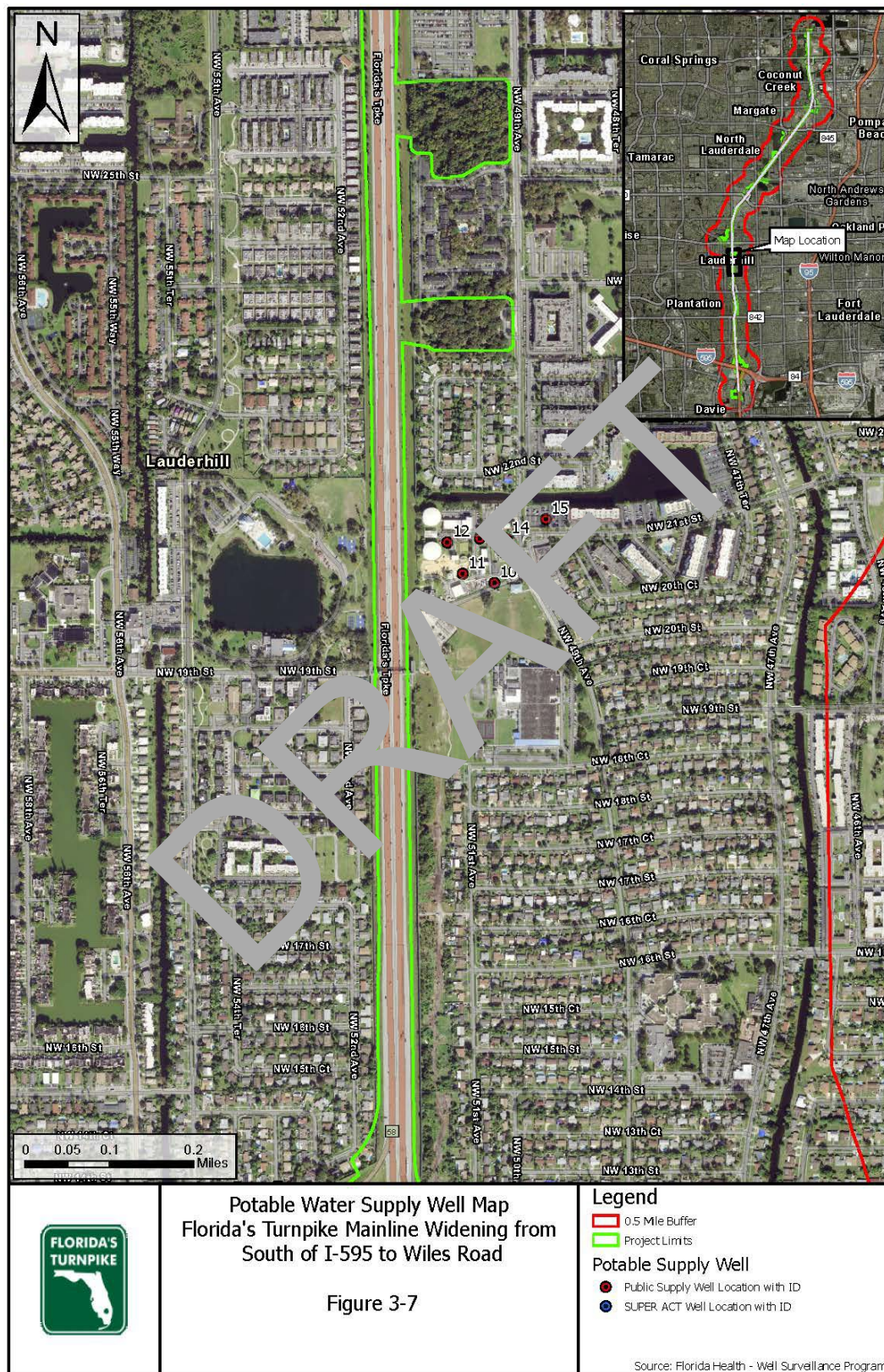




Figure 3-8: Potable Water Supplies Map

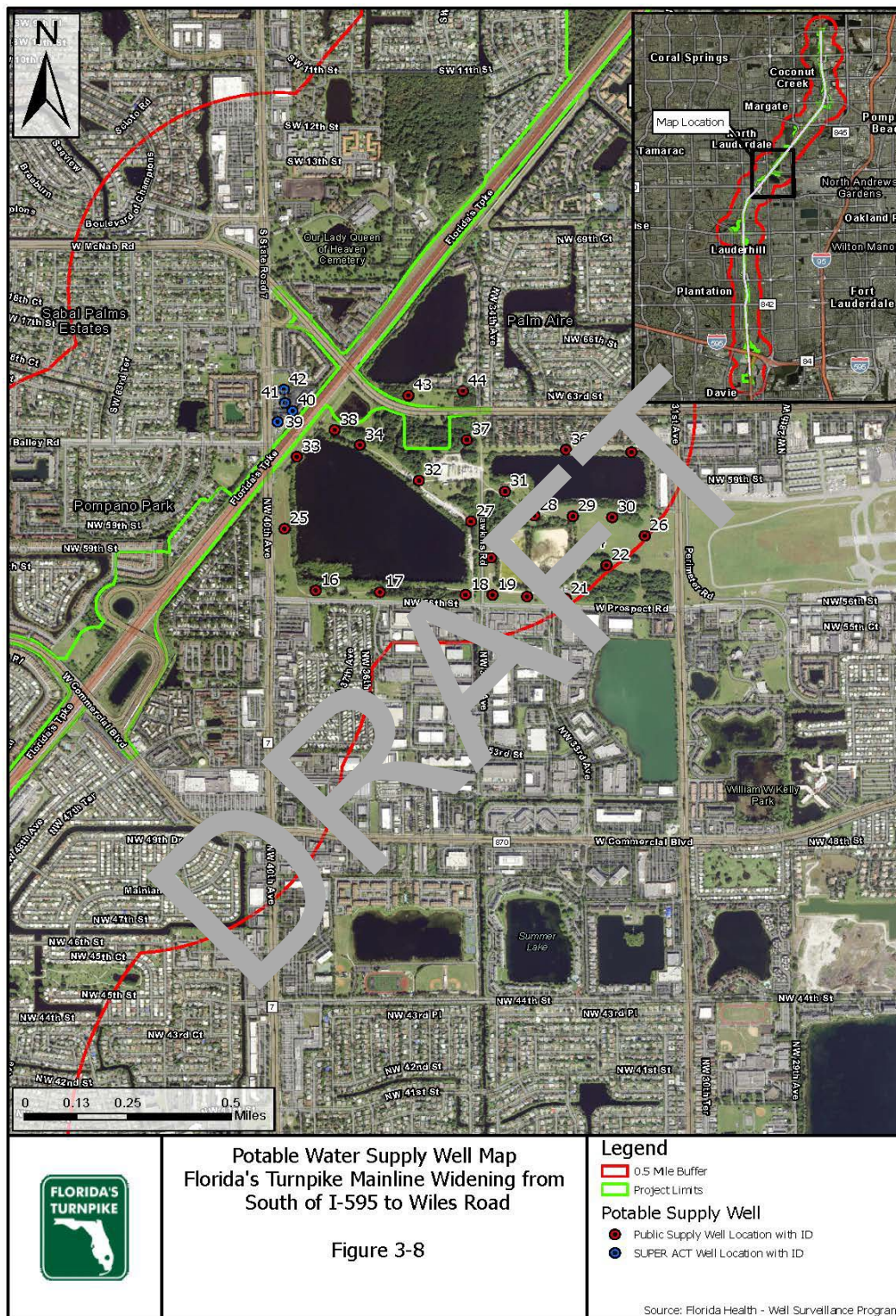




Figure 3-9: Potable Water Supplies Map



## 4 Methodology

This report identifies and evaluates known or potential contamination problems, presents recommendations concerning these problems, and discusses possible impacts to the proposed project. Methodologies used to complete this evaluation are in general conformance with the assessment standards as specified in Part 2, Chapter 20 of the FDOT PD&E Manual, as practical (Florida Department of Transportation, 2020). Hazardous materials surveys for asbestos containing materials, metal based coatings, and Mercury containing devices, etc. were not included in this evaluation.

Data collected from preliminary site reconnaissance, regulatory agency database information review, and subsequent historical land use research was used to identify critical areas for subsequent detailed review. A standard buffer distance of 500 feet was utilized to complete the primary search for registered facilities, historical research, and site reconnaissance to identify land uses with potential concerns. The 500-foot screening distance extends from the outer limits of the project area along the Turnpike corridor. The 500-foot distance was selected to include potential offsite drainage ponds and to identify contamination sources that may be of concern when dewatering within the project limits. This buffer distance was extended to 1,000 feet to search for non-landfill solid waste sites and 0.5 miles to search for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA / Superfund), National Priorities List (NPL), and landfill sites.

### 4.1 Data Collection

#### 4.1.1 Environmental Database

As part of this Contamination Screening Evaluation, a computerized database search was requested from Environmental Data Resources, Inc. (EDR)/Lightbox (EDR/Lightbox, 2022). The database search included the entire project corridor and a maximum radius of 0.5 miles (2,640 feet).

The results of the database search served as a basis for the environmental regulatory review included in a typical Level I Assessment as described in Part 2, Chapter 20 "Contamination" of the FDOT PD&E Manual. Table 4-1 summarizes the results of the database search; sites may be listed in more than one database. A description of each database included in the search is provided in Appendix A. An electronic version of the EDR Corridor Study Report is included with this publication in the associated zip file.

Table 4-1: Summary of Database Findings

Database	No. of Sites Found	Database	No. of Sites Found	Database	No. of Sites Found
<b>Federal Records</b>					
NPL	1	LIENS 2	1	COAL ASH EPA	0
PROPOSED NPL	0	HMIRS	2	PCB TRANSFORMER	0
NPL LIENS	0	RCRA NonGen / NLR	27	RADINFO	0
DELISTED NPL	0	FUDS	0	HIST FTTS	0
FEDERAL FACILITY	0	DOD	0	DOT OPS	0
SEMS	6	SCRD DRYCLEANERS	0	CONSENT	0
SEMS-ARCHIVE	11	US FIN ASSUR	0	FUSRAP	0
CORRACTS	0	EPA WATCH LIST	0	UMTRA	0
RCRA-TSDF	0	2020 COR ACTION	0	LEAD SMELTERS	0
RCRA-LQG	0	CA	0	US AIRS	1
RCRA-SQG	2	IS	0	US MINES	1
RCRA-VSQG	19	SSTS	0	ABANDONED MINES	0
LUCIS	0	ROD	1	FINDS	83
US ENG CONTROLS	1	RMP	1	UXO	0
US INST CONTROL	1	RAATS	0	DOCKET HWC	0
ERNS	7	PRP	1	ECHO	70
FEMA UST	0	PADS	0	FUELS PROGRAM	0
US BROWNFIELDS	0	ICIS	3	MINES MRDS	2
ODI	0	FTTS	0		
US HIST CDL	0	MLTS	0		
US CDL	0	COAL ASH DOE	0		

Table 4-1: Summary of Database Findings (Continued)

Database	No. of Sites Found	Database	No. of Sites Found	Database	No. of Sites Found
<b>State and Local Records</b>			<b>Tribal Records</b>		
FL SHWS	0	SPILLS	7	INDIAN LUST	0
FL SWF/LF	56	SPILLS 90	0	INDIAN UST	0
FL LAST	2	SPILLS 80	0	INDIAN RESERVE	0
FL LUST	17	FL AIRS	3	INDIAN ODI	0
FL FF TANKS	0	ASBESTOS	19	IHS OPEN DUMPS	0
FL UST	27	FL CLEANUP SITES	8	<b>EDR Proprietary Records</b>	
FL AST	24	FL DRYCLEANERS	1	EDR MGP	0
FL TANKS	4	FL DRYCLEANERS	1	EDR HIST AUTO	14
FL ENG CONTROLS	0	FL DRYCLEANERS	25	EDR HIST CLEANER	12
FL INST CONTROL	0	FINANCIAL ASSURANCE	22	FL RGA HWS	0
FL VCP	0	FL CATTLE DIP. VATS	0	FL RGA LF	39
FL BROWNFIELDS	6	HW GEN	2	FL RGA LUST	21
FL SWRCY	1	FL RESP PARTY	8		
FL PRIORITY CLEANERS	2	FL SITE INV SITES	0		
FL SITES	0	FL TIER 2	33		
PFAS	0	FL UIC	2		
AQUEOUS FOAM	0	FL NPDES	24		



### 4.1.2 Search Engines and Other Database Resources

Specialized search engines such as FDEP's Document Management System (OCULUS), Information Portal, Map Direct, and Contaminator Locator Map, along with Broward County Environmental Assessment Resources, were used to identify regulated facilities within the study area. OCULUS is used by FDEP to store and organize regulatory documents. OCULUS and the Information Portal were used in this analysis to obtain regulatory information regarding Storage Tanks, Hazardous Waste, Solid Waste, and Waste Cleanup. Broward County's Environmental Assessment Resources provides property appraiser records, aerial photographs, inspection reports, permit records, enforcement actions, interactive contamination maps, and historic maps. Table B-1 in Appendix B provides documentation of identified facilities.

### 4.1.3 Historical Imagery Review

Available aerial photographs from 1940 to present were reviewed to identify previous and current land uses which may have the potential to adversely impact project implementation at the proposed interchange. Historical aerial photographs were obtained from EDR, the FDOT's Aerial Photo Look-Up System (APLUS) database, Broward County Highway Construction and Engineering Division, and Google Earth Services. A minimum of one aerial photograph was reviewed per decade starting with the 1940's. When available, additional historical aerial photographs were reviewed within a decade. Aerial photographs from 1940 through 2017 are provided in Appendix C.

### 4.1.4 Corridor Reconnaissance

A project corridor walk-through was performed the week of November 7, 2022, for the purpose of observing signs of potential contamination sources such as odors, spills, stains, excavations, storage areas, drains, and the presence of stressed vegetation. The site visits included a visual inspection of properties of concern within the buffer distances discussed above, for visible signs of potential contamination sources that could adversely impact the project corridor. Appendix D provides photographic documentation of the project corridor. Photo numbers were assigned to correspond to Site Numbers as listed in Table B-1 in Appendix B.

### 4.1.5 Field Methods

No additional soil and/or groundwater testing was performed as part of this investigation.

### 4.1.6 Interview and Local Agency Officials

Following the visual field reconnaissance, field staff contacted Broward County's Environmental Permitting Division to interview agency officials. Field staff contacted the Division to gather additional information regarding historical contamination at sites along the project corridor. The Division indicated regulatory documents are available for review in FDEP's OCULUS and Broward

County's Environmental Resources website. The Division indicated the documents are public record and they would not be able to provide any additional regulatory information.

## 4.2 Potential Impact Determination

Two hundred and six sites were evaluated within the proposed project area. Search distances included 500 feet from the right-of-way (ROW) for petroleum, drycleaners, and non-petroleum sites, 1,000 feet from the ROW for non-landfill solid waste sites, and one-half mile from the ROW for CERCLA, NPL, and landfill sites. Each site identified was evaluated for its potential impact and assigned a rating of High, Medium, Low, or No potential risk. Site parcels abutting the project corridor were defined as adjacent to the corridor. Risk ratings were assigned in accordance with Part 2, Chapter 20, Section 20.2.2.4 of the FDOT PD&E Manual. Details of the rating criteria for all risk levels are discussed below.

Additionally, sites were evaluated for potential dewatering concerns. Sites within 500 feet of the project corridor with documented, unresolved groundwater contamination have the potential to impact dewatering operations during construction activities. Site assessment maps are provided in Appendix B for sites with potential dewatering concerns.

### 4.2.1 High Risk

Sites were rated as High Risk based on FDOT's PD&E Manual, Chapter 20 criteria. 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 Turnpike.

### 4.2.2 Medium Risk

Sites were rated as Medium Risk based on FDOT's PD&E Manual, Chapter 20 criteria. 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.

### 4.2.3 Low Risk

Sites were rated as Low Risk based on FDOT's PD&E Manual, Chapter 20 criteria. 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.

#### 4.2.4 No Risk

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.

DRAFT

## 5 Project Impacts

This section provides a summary table of the historical imagery review, depicts the location of each potential contamination source within 500 feet of the project corridor, and provides a narrative discussion detailing sources of concern.

### 5.1 Historical Imagery Review

Available aerial photographs from 1940 to present were reviewed to identify previous and current land uses which may have the potential to adversely impact project implementation within the project corridor. Historical aerial photographs were obtained from the EDR, FDOT's APLUS database, Broward County Engineering, and Google Earth Services. A minimum of one aerial photograph was reviewed per decade starting with the 1940's. When available, additional historical aerial photographs were reviewed within a decade.

EDR sub-divided the project corridor into nine geographic sections. These sections orient each image relative to the current project study area. These sections cover areas within a ¾ mile of the project corridor and are depicted in EDR's Map Index.

The historical and existing land use adjacent to the project corridor is predominantly residential and commercial. The following provides a general description of aerial photographs viewed for the project study area.

1940 – Undeveloped land, Farm land, One golf course (Fort Lauderdale Country Club – Adjacent to Site No. 58).

1949 – Same as above. Increased farming activity.

1953 – Same as above. Increased farming activity. Golf course expansion (Fort Lauderdale Country Club – Adjacent to Site No. 58). Residential development in Plantation appears.

1961 – Turnpike appears (Site No. 142a – Florida Turnpike Office Building and Site No. 142b - Pompano Service Plaza present). Increased farming activity. Increased residential development. Increased canal construction. Significant increase of residential development in the southern portion of the project study area. Commercial developments assumed to increase; but, difficult to distinguish in detail.

1969 – Increased residential development. Increased canal construction and stormwater management systems. Significant increase of residential development in the norther portion of the project study area.

1972 – Monarch Landfill (Site No. 203) activity observed. Increased residential/golf course developments. I-595 present. Light industrial development in southern portion of project study area.

1979 – Monarch Landfill (Site No. 203) expansion. Increased residential/commercial developments.

1984 – Same as above.

1994 – First appearance of toll booths on Turnpike.

1994/2017 – Aerial photographs depict present day conditions.

No additional areas of contamination concern were identified (besides those areas identified in Section 5.4) as a result of the aerial photograph review within the limits of the defined 500-foot buffer distance from the proposed improvements. Aerial photographs from 1940 through 2017 are presented in Appendix C.

## 5.2 Contamination Sources

Potential contamination sources along the project corridor were identified using a combination of data systems that include a computerized database search, environmental records, aerial photographs, and right-of-way survey maps, as well as a corridor reconnaissance performed in November 2022.

After a thorough review of records and information obtained from site reconnaissance, it was discovered that multiple database listings (e.g., sources with different names with an identical address) represented one source. In these situations, these sources were combined into a single potential contamination source using the best available descriptor to name the source (i.e., current business name, vacant lot, etc.).

Table B-1 in Appendix B lists potential contamination sources and includes contamination risk ratings, sampling recommendations, and regulatory review for each source identified within the 500-foot project study area.

## 5.3 Contamination Risk Rating

At a minimum, EDR searched petroleum, drycleaners, and non-petroleum sites within 500 feet from the ROW, non-landfill solid waste sites within 1,000 feet from the ROW, and CERCLA, NPL, and landfill sites within one-half mile from the ROW. Available EDR information was reviewed, and documents obtained from FDEP's OCULUS database and Broward County's Environmental Resources website to determine the current regulatory status of each potential contamination source. Each source's history and regulatory status were evaluated (and in some cases the lack of available regulatory information was noted), and then each source was assigned a contamination risk rating in accordance with the FDOT PD&E Manual, Part 2, Chapter 20 guidance relative to encountering impacted soil or groundwater (reference Appendix B, Table B-1). Table 5-1 provides a summary of the High, Medium, Low, and No risk ratings. An electronic version of the EDR Corridor Study Report and regulatory documents are included with this publication in the associated zip file.



Table 5-1: Summary of Potential Contamination Source Risk Ratings	
Risk Rating	Number of Sites
High	9
Medium	14
Low	78
No	105
<b>Total</b>	206

The High and Medium risk rated sites are detailed in Sections 5.5 and 5.6, respectively. Figures B-1 through B-14, in Appendix B, illustrate the location of potential contamination sources within the project study area.

#### 5.4 Analysis of Potential Contamination Sources

This evaluation identified 206 sites within the study area. Search distances included 500 feet from the ROW for petroleum, drycleaners, and non-petroleum sites, 1,000 feet from the ROW for non-landfill solid waste sites, and one-half mile from the ROW for CERCLA, NPL, and landfill sites. Some sites occupy more than one address, some addresses have more than one site, and there are many inconsistencies in the business names and addresses used in the databases. Therefore, addresses are used to organize data rather than business names. The use of addresses also facilitates the evaluation of potential contamination risks during right-of-way acquisition.

Sites were evaluated independently. If applicable, pathways for potential contamination migration were identified. Former activities and conditions are described in each site narrative if known and applicable. Table B-1 lists all the potential contamination sites, by site number (Site No.), identified within the maximum search distance of one-half mile. Site numbers were assigned geographically, starting at the southern terminus of the project area, then moving north, to the northern terminus. Locations of sites are shown in Figures B-2 through B-14 in Appendix B. The sites are color-coded by risk rating as noted in the legend.

The following narratives summarize site activities, regulatory status (if any), and risk rating rationale for identified potential contamination sources. In addition to each source's name, address, and facility IDs, the narratives include parcel numbers, photo numbers, figure references, distances to the project corridor, and references to state or local contamination resources, if applicable.

## 5.5 High Risk Potential Sites

### **Site No. 21 – Florida Petroleum Reprocessors (High Risk)**

Site Address:	3211 SW 50th, Avenue, Davie FL	Distance to Project:	Within Corridor
		Figure Nos.:	B-2
		Photo Nos.:	21-1
Site Names:	Florida Petroleum Reprocessors	Facility IDs:	73387409; NPL/ SEMS/ US ENG CONTROLS/ US ENG INST CONTROL/ RCRA/ ROD/PRP: FLD984184127
		Contamination Concern:	VOCs, Solvents, Petroleum

This site is assigned a High risk rating since there are several documented releases of waste oils, grease, and hazardous substances (including VOCs and chlorinated solvents). The site is located within the corridor.

The site includes an area where an oil reprocessing facility operated from 1979 until 1992 (previously vacant). The on-site area was added to the National Priorities List (NPL) in 1998 due to the presence of contaminated soil and groundwater. The site is located in an industrial park immediately east of the Florida Turnpike.

The site was occupied by Oil Conservationists, Inc. (OCI) from 1978-1985 and operated as a waste oil transfer station. From 1985-1991, Florida Petroleum Reprocessors (FPR) occupied the site and operations included purchasing waste oils, fuels, and oily wastewaters from automotive, agricultural, and marine industries of south Florida. An investment corporation purchased the property in 2003 and it was leased to equipment storage companies and is now vacant.

Sometime before mid-1985, OCI had several releases of waste oils, grease, and hazardous substances (including VOCs and chlorinated solvents) into groundwater monitoring wells at concentrations exceeding county standards. EPA reported the reprocessing operators dumped oil into a perforated on-site tank. Non aqueous phase liquids (NAPLs) were released into the underlying aquifer (located at six feet bls). "Extensive volatile organic compounds (VOC)

contamination of ground water occurred and spread from beneath the facility to an area over 800 acres in size, resulting in contamination of the Biscayne Aquifer.

In 1996, the Florida Department of Health and Rehabilitative Services (HRS) issued a Health Consultation report regarding the area groundwater contamination from the site. The report concluded that exposure to the public must be limited due to the levels of vinyl chloride in the groundwater at the site. HRS also recommended that EPA monitor groundwater in the northern portion of the site annually to be able to identify increases in contamination.

In 1997, numerous barrels and bulk storage tanks were removed and disposed off site. In 1999, approximately 6,000 tons of "highly contaminated" soil was excavated and removed from the site. From 2001 to 2003, on-site chemical oxidation was used to treat subsurface soil. According to EPA, the treatment was successful in removing the bulk of the contaminants in the soil. In 2011, EPA resumed bioaugmentation efforts and implemented long-term monitored natural attenuation (MNA) of groundwater.

EPA reported sampling results from August 2014 indicating on-site groundwater contamination had dropped below the Florida NADSC threshold concentrations for the site contaminants. The site transitioned into the long-term, area wide groundwater MNA plan. Remedial actions were completed in 2017.

The most recent five-year review was published by EPA in 2018. The report states the contaminated soil has been excavated or treated to meet cleanup goals for residential use. Groundwater contaminant concentrations "continue to decrease over time." The surrounding community is supplied with public water. EPA has institutional controls in place to limit activity and use at the site. The 2018 report states that the cleanup on the site allows for commercial and industrial uses.

### Resources

- [FL DHR Health Consultation Report, 1996](#)
- [Region 4 EPA, Florida Petroleum Reprocessors Site Summary Profile, June 2013](#)
- [EPA Superfund Site: Florida Petroleum Reprocessors Fort Lauderdale, FL Cleanup Activities Report](#)



**Site No. 99 - 102 Proposed Pond Sites 17 thru 19 and Former Golf Course (High Risk)**

Site Address:	NA	Distance to Project:	Within Corridor
		Figure Nos.:	B-8
		Photo Nos.:	99-1, 100-1, 101-1. 102-1, 102-2
Site Names:	Proposed Pond Site 17, 18, 19 and Proposed Interchange (Former Inverrary Country Club South Course)	Facility IDs:	NA
		Contamination Concern:	Herbicides/ Pesticides/ PFAS

These sites are assigned a High risk rating since golf course maintenance likely applied herbicides and pesticides routinely. These chemicals are known for containing hazardous constituents such as Arsenic and potentially per- and Polyfluoroalkyl Substances (PFAS).

Site No. 102 and Proposed Pond Sites 17, 18, and 19 (sites 99, 100, and 101) do not have documented environmental contamination and no visual signs of contamination were noted during field reconnaissance. However, these sites have been developed as a golf course (Inverrary Country Club South Course) since the early 1990s.

Golf courses turf maintenance includes the application of herbicides and pesticides. These chemicals are known to contain Arsenic and potentially per- and Polyfluoroalkyl Substances (PFAS) which are contaminants harmful to human health and the environment. There is no information available for review to indicate product type, amounts or application rates of herbicides or pesticides. In addition, environmental databases did not identify environmental site assessment or remediation documents for review.

**Site No. 161 – Amerika Gas (High Risk)**

Site Address:	1493 NW 31 <sup>st</sup> Avenue Pompano Beach, FL 33069	Distance to Project:	Within Corridor
		Figure Nos.:	B-11, B-12
		Photo Nos.:	161-1, 161-2
Site Names:	Amerika Gas (Former) Texaco Parkway (Former) Jim Salley Chevron, Inc. (Former) Amerika (Former) Texaco (Former) Chevron #47268 – Jim's (Former) Coconut Creek Petroleum, Inc.	Facility IDs:	FLD984209536 8502195 S107674287 S115202481 S115160856 1000500851 S115202052 U001342495 S115166976
		Contamination Concern	Petroleum

This site is assigned a High risk rating since the site is adjacent to the project corridor and is a documented active contamination site. According to regulatory documents, the site has operated as a gasoline service station since 1964. The site is located at the southwest corner of NW 31st Street and Hammond Road.

In 1982, the site owner installed three 10,000-gallon steel underground storage tanks (USTs) containing gasoline, one 10,000-gallon steel UST containing diesel fuel, and one 1,000 gallon steel UST containing waste oil. The USTs were situated in the western portion of the site, with the used oil UST being in the southern portion of the site. These five USTs were replaced in 1996 with three 10,000-gallon double-walled, fiberglass USTs containing unleaded fuel, one 10,000 gallon UST containing diesel fuel. No Tank Closure Assessment Report for the November 1989 UST removal was available for review. The 10,000-gallon USTs were situated in the western portion of the site. The dispensing system consists of pump islands located east of the gas station building and UST farm.

In 1988 and 1990, the site had two fuel releases of unknown quantity to the surface. The cause of the 1988 discharge is unknown and was found during sampling of observation wells. The cause of the 1990 discharge was damage to tank piping during installation of observation and monitoring wells around the tank site. The amount of product released is unknown but was reported to be the volume of the damaged piping. The piping was repaired, and the release was assessed. Petroleum hydrocarbons were found in soil and groundwater above cleanup

levels and a removal action was ordered. During the Site Assessment activities, it was determined that groundwater is found at the site at a depth of 4.5 to 8 feet below the ground surface and that groundwater flow in this shallow groundwater bearing zone is to the southwest, which is towards the turnpike right of way. Contaminated soil was removed from the tank hold area and a pump and treat system was installed to remove and treat groundwater from the contaminated plume area. An air sparging unit and soil vapor extraction system were installed and are currently active. A Level 4 Site Assessment was performed in September 2001 which showed that contamination in groundwater had not been delineated vertically or horizontally to the east and west of the site. A plume of dissolved phase petroleum hydrocarbons, benzene, and PAHs currently affects groundwater in the area of the tank hold west of the station building. The concentrations of the contaminants are stable and remedial systems operating at the Site continue to remove vapor phase hydrocarbons from the soil and groundwater in the tank hold area. The site is active and is not currently being considered for regulatory closure. The groundwater and soil in the tank hold area on the western site boundary, closest to the turnpike right-of-way are contaminated and present a concern for construction during widening due to known groundwater impacts to the shallow groundwater bearing zone and soil on site.

### Resources

- [Remedial Action Plan, December 1, 1992](#)
- [Remedial Action Plan Addendum, September 1, 1993](#)
- [Site Assessment Report, October 11, 2001](#)
- [Site Characterization Screening Report, August 2, 2013](#)
- [Level 1 Remedial Action Plan, September 10, 2018](#)
- [Operations & Maintenance Report, July 29, 2022](#)



**Site No. 195 – Former Desrocher Sand and Rock (High Risk)**

Site Address:	2700 NW 33 St., Pompano Beach, FL	Distance to Project:	Adjacent
		Figure Nos.:	B-13, B-14
		Photo Nos.:	195-1, 195-2
Site Names:	Desrocher Sand and Rock - Desrocher Pit; Former Rock Lake Parcel H	Facility IDs:	BCEPD: NF-2887 10306091. MRDS: AG00024
		Contamination Concern:	VOCs, Metals, TDS, Phenols, NH3

This site is assigned a High risk rating since it is in a state/local program, has documented contamination, is adjacent to the project corridor, and has a Declaration of Restrictive Covenant. At the time of the site reconnaissance, the site was occupied by an electrical substation, warehouses, and a natural gas compressor station. According to historical laboratory analytical results, contaminants in groundwater and surface water exceeded cleanup target levels. The extent of groundwater impacts have not been defined spatially. Broward County approved a No Further Action with Controls on September 17, 2018. Site formerly a sand pit which has been filled in. Site is occupied with Unoccupied Distribution Warehouse (3150 and 3250 NW 33rd Street), electrical substation, and FGT CS 21.5). The previous May 2017 CSER identified this site (Site #3) as a High risk site.

A history of the site was obtained from the 2018 Supplemental Site Assessment Report and No Further Action with Controls Proposal written by Nutting Environmental of Florida (NEF). Prior to the 1970s, the property was used for agricultural purposes. Water bodies were located on the property beginning in the late 1950s. Borrow pit reclamation activities began at the site in the 1980s.

The 2018 Declaration of Restrictive Covenant recorded by the Broward County Commission states the site was historically part of a larger borrow pit, partially filled with construction and demolition debris. The borrow pit reclamation activities on the site were part of reclamation activities of a larger lake that comprises several properties.

NEF conducted a groundwater and surface water investigation in 2008 in response to ammonia concerns associated with lake filling activities at the site. Constituents of concern (CoC) included volatile organic aromatics, phenols, total dissolved solids, ammonia arsenic, aluminum, and iron in levels above FDEP groundwater cleanup target levels. Unionized ammonia, aluminum and pH were documented in levels above the FDEP surface water cleanup target levels.

The Covenant incorporates several reports from NEF by reference. The Covenant states in the reports document that the groundwater contamination identified at the site is not migrating. NEF conducted annual groundwater monitoring activities from 2011 until 2017. Analytical results of samples obtained in 2017 were reported below applicable Groundwater Cleanup Target Levels with the exception of benzene, TDS, ammonia, aluminum, arsenic, and iron. However, NEF's report states the levels were below the Natural Attenuation Default Concentration levels. Surface water samples exceeded FDEP surface water cleanup target levels and Surface Water Quality Standards for pH, aluminum, and unionized ammonia.

Broward County Utilities provides the area of the site with potable water, but not grey water. NEF compared contaminated concentrations to risk-based screening levels for irrigation, based on the proposed commercial/industrial development of the property. The screening values that any potential exposure to irrigation water would not create a risk to human health or the environment.

The Broward County Environmental Engineering and Permitting Division (EPPD) issued a No Further Action with Conditions Approval Letter (NFAC) as part of the 2018 Covenant. The NFAC can be revoked if conditions of the NFAC are not met or if concentrations of contaminants increase above levels approved in the NFAC. At this point, EPPD may require site rehabilitation to reduce the levels of contaminants to approved concentrations.

The Covenant states all present and future owners of the property will be held subject to restrictions and controls, including:

- No use of groundwater from the property except for irrigation. No drilling for water, nor shall any wells be installed other than for monitoring or irrigation as pre-approved by the EPPD.
- An EPPD-approved plan must be in place prior to any dewatering activities to ensure proper handling, treatment, and disposal of contaminated groundwater that may be encountered.
- Existing stormwater features shall not be altered, modified, or expanded. No new stormwater swales, ditches, detention, or retention facilities shall be constructed without prior written approval from EPPD and SFWMD. A revised survey must be recorded.
- No use of surface water on the site.
- Swimming, boating, and fishing are prohibited, and warning signs must be placed and maintained around the surface body at 150' intervals.
- Risk evaluation completed was based upon an Industrial Exposure Scenario, therefore, the following uses of the site are prohibited: agricultural, fishing and mining, hotels or lodging, recreational uses, parks, camps, museums, zoos, gardens, residential, and educational.

Resources

- [NEF, Supplemental Site Assessment Report and No Further Action With Controls Proposal, January 2018](#)
- [Broward County, Declaration of Restrictive Covenant, August 2018](#)
- [Broward County, NFA with Controls Approval, Sept 2018](#)

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**Site No. 201 – CDSL Power Production (High Risk)**

**Site No. 203 - Central Sanitary Landfill and Recycling Center (High Risk)**

Site Address:	3140 NW 48th Street and 2700-3000 NW 48th St (Hilton Rd), Pompano Beach, FL	Distance to Project:	Adjacent
		Figure Nos.:	B-14
		Photo Nos.:	201-1, 203-1, 203-2
Site Names:	CDSL Power Production and Transfer ST; Central Sanitary Landfill and Recycling Center; Monarch Hill Landfill Waste Management	Facility IDs:	73376524; 55093; UST 8622531; HW Gen: 50630 and FLD98101958
		Contamination Concern:	Various regulated wastes and PFAS

This site is assigned a High risk rating since this facility has operated as a solid waste landfill for approximately 60 years. Monarch Hill, owned and operated by Waste Management Inc. of Florida (WMIF), is a Class I waste disposal facility currently operating under RED Construction/Operation License Number SWLF00076-21 / FDEP Permit Number 051323-033-SC). The CDSL Power Production facility located at 3140 NW 48th Street is also associated and collocated with the Monarch Landfill site. There was no additional information in regulatory files regarding the Power Production facility.

The Monarch Hill site also includes a solid waste transfer station, a yard waste composting area, a materials recovery facility, and a waste tire processing facility (each currently permitted under the above referenced license but not currently in operation or use).

SCS Engineers documented current conditions in a First 2022 Semiannual Water Quality Monitoring Report dated July 2022. The report documents the results of the concurrent monitoring for the Natural Attenuation Monitoring Plan (NAMP) in accordance with the Broward County Resilient Environmental Department (RED) letter dated September 27, 2012, and the Revised Contamination Evaluation Plan (CEP) in accordance with the RED letter dated November 15, 2012. A summary of the site history is as follows:

Monarch Hill has 48 existing groundwater monitoring wells, 41 of which are sampled as part of the monitoring requirements established by the RED (RED License Number SW-LF00076-21 / FDEP Permit Number 051323-033-SC, Specific Condition No. 3); two (MW35IR and MW35SR) that are sampled as required by FDEP; four (MW24DC, MW26DC, OW01, and OW02) that are sampled as required by the RED; and two (MWNL1 and MWNL3) that are used as piezometers for water elevations only. These additional wells and piezometers are discussed below. These wells monitor the quality of the surficial aquifer at three general depths:

1. The shallow monitoring zone (at a depth of approximately 25 to 35 ft below grade)
2. The intermediate groundwater monitoring zone (at a depth of approximately 65 ft below grade)
3. The deep groundwater monitoring zone (at a depth of approximately 90 ft below grade)

The additional monitoring wells have been installed as a result of prior groundwater standard exceedances as required by FDEP in a memorandum dated September 22, 1997, and as presented in the SAR dated November 30, 2011. Additional wells were added as a result of prior groundwater standard exceedances at these detection wells as presented in the CEP dated August 31, 2007, and approved by the EPGMD in a letter dated November 20, 2007

Groundwater at the facility is sampled semiannually in April and October for the water quality parameters listed in EPGMD License Number SW-LF00076-21, DEP Permit Number 051323-033-SC, Specific Condition No. 3, (Rule 62-701.510(7)(a), FAC). The contaminant of concern is sodium. Additionally, four monitoring wells are used to monitor the C&D disposal area, and these wells are additionally sampled for aluminum, sulfate, and those parameters listed in EPA Methods 601 and 602.

According to the SCS report, the site meets the definition of "existing installation" and is therefore exempt from compliance with secondary water quality standards outside the zone of discharge as provided by Rule 62-20.31(14), FAC.

Historically, elevated concentrations of sodium (and other parameters including arsenic and benzene) were identified in monitoring wells located in the south-central portion of the site. At that time, it was determined that these may have been due to the presence of landfill liquids in groundwater in the vicinity of the monitoring wells. This conclusion was supported by higher concentrations of other indicator parameters, such as chloride and total dissolved solids (TDS), relative to background in these wells and the similarity of trends of concentrations of these indicator parameters to those of sodium.

Historically, the benzene concentrations in monitoring wells located in the south-central portion of the site were generally consistent over time through 2013. However, they have been increasing since then. The benzene concentrations in well MW5S started to increase in 2008 and have been fluctuating since 2010 (before a more recent increase). No detectable concentrations of benzene were identified in the deep well at this location. Furthermore, no detectable concentrations of benzene were historically identified in the hydraulically downgradient well (excluding recent monitoring events), indicating that the benzene impacts were limited in extent. Accordingly, at that time, it was suspected that the benzene increase was not the result of a landfill liquids impact and may have been related to landfill gas.

The SCS report stated based on groundwater contours, the flow direction is variable. However, the historical groundwater flow direction measured at the site has been generally to the east/southeast (predominantly towards Woodlea Lake, located on the southeastern portion of the site). The groundwater flow information as shown in the attached figures from the report. Groundwater flow in shallow monitoring wells is documented as flowing to the southeast (Figure 3). Data from intermediate monitoring wells is documented as flowing away from the central portion of the landfill, with the western most wells showing a flow direction of west, southwest (Figure 4). Data from deep monitoring wells indicate groundwater flow to the south (Figure 5).

From the latest available data in the SCS report, none of the concentrations in the designated impacted wells in the south-central portion of the site exceeded the designated action level of 1,600 mg/L for sodium. Furthermore, the sodium concentrations in the hydraulically downgradient "perimeter wells" were all below the designated action level of 160 mg/L.

The SCS report concluded that corrective action activities have been completed to address the landfill liquids impacts in a few specific areas of the site, and improvements from these actions were observed. Some recent increasing trends were identified to be localized on-site near shallow wells. Further investigation activities and corrective actions are still ongoing. As noted in the report, these impacts are localized near the landfill and are not detected in hydraulically downgradient wells on-site.

### Resources

- [FDEP, Solid Waste Facility Electronic Documents Listing, Monarch Hill Landfill](#)
- [FDEP, Groundwater Monitoring Resampling Results Memorandum, September 1997](#)
- [SCS Engineers, Monarch Hill 2022 Semiannual Water Quality Monitoring Report, July 2022](#)



## 5.6 Medium Risk Potential Sites

### **Site No. 17 – Mowery Elevator Company, Inc. (Medium Risk)**

Site	3300 SW 50 <sup>th</sup> Ave	Distance to Project:	Adjacent
Address:	Davie, FL 33314	Figure Nos.:	B-2, B-3
		Photo Nos.:	17-1, 17-2
Site Names:	Mowery Elevator Company, Inc (Former) Cross Environmental Services Inc (Former) Compendium International/Broward Truck & Trailer	Facility IDs:	SPILS: 8341; 01945
		Contamination Concern:	Petroleum/ Chlorinated Solvents

This site is assigned a Medium risk rating since the site is not in a state program and has documented contamination without a No Further Action (NFA) approval or issuance of a Site Rehabilitation Completion Order (SRCO). According to FDEP documents, the site is Mowery Elevator company, Inc. The site is located at the 3000 block of SW 50th Avenue.

The EDR Report indicated the Mowery Elevator Company reported a spill on 11-06-2000. No additional spill information was available.

#### Resources

- [FRS Facility Detail Report | Envirofacts | US EPA](#)

**Site No. 28 – Jeffrey Allen, Inc. (Medium Risk)**

Site	2701 Reese Road	Distance to Project:	Within Corridor
Address:	Fort Lauderdale, FL	Figure Nos.:	B-2, B-4
		Photo Nos.:	28-1
Site Names:	(Currently) Golf Carts - Jeffrey Allen, Inc. Site No. 28; (Former) Infinity Yachts; (Former) Marine Power Concepts	Facility IDs:	FLP984188110; Broward County HM 14174
		Contamination Concern:	Hazardous Waste

This site is assigned a Medium risk rating since the site handled hazardous materials and petroleum products and is located within a proposed right-of-way acquisition and proposed pond site for the project. The site is located at 2701 Reese Road. In order to construct this proposed pond site, the buildings housing Jeffrey Allen, Inc. would need to be demolished.

Site No. 28 at 2701 Reese Road is currently occupied by an office/sales/service facility Jeffrey Allen, Inc. (Golf Carts) and was formerly occupied by Infinity Yachts and Marine Power Concepts. Infinity Yachts was registered as a very small quantity hazardous waste generator. No agency violations were reported regarding site activities. No agency listings were reported for Jeffrey Allen, Inc or Marine Power Concepts.

There is currently no reporting or analytical data that shows the absence or presence of contamination at the site.

**Resources**

- [EPA Envirofacts Database, Infinity Yachts](#)
- [EPA ECHO, Detailed Facility Report Infinity Yachts](#)

**Site No. 29 – Propose Pond Site 4 (Medium Risk)**

Site	2600 – 2700 Reese Road	Distance to Project:	Within Corridor
Address:	Fort Lauderdale, FL	Figure Nos.:	B-2, B-4
		Photo Nos.:	29-1, 29-2
Site Names:	Proposed Pond Site 4 (Currently) Glenn's Automotive, Inc. Site No. 34 (Currently) Golf Carts - Jeffrey Allen, Inc. Site No. 28; (Former) Infinity Yachts; (Former) Marine Power Concepts	Facility IDs:	FLP984188110; Broward County HM 14174
		Contamination Concern:	Universal Waste Petroleum Asbestos Coatings with Heavy Metals

This site is assigned a Medium risk rating since the site is in a proposed pond site for the project. The proposed pond site limits extend into multiple businesses which were documented as Medium risk ratings (Site No. 28 and Site No. 34). The site is located between the 2600 and 2700 block of Reese Road. In order to construct the proposed pond site, the buildings at these current businesses would need to be demolished.

Site No. 28 at 2701 Reese Road is currently occupied by an office/sales/service facility Jeffrey Allen, Inc. (Golf Carts) and was formerly occupied by Infinity Yachts and Marine Power Concepts. Infinity Yachts was registered as a small hazardous waste generator. No agency violations were reported regarding site activities. No agency listings were reported for Jeffrey Allen, Inc or Marine Power Concepts. Additional Consideration should be made for Hazardous Building Materials such as Asbestos, Metal Based Coatings, etc.

Site No. 34 at 2601 Reese Rd is currently occupied by Glenn's Automotive, Inc. The automotive repair facility is not listed in agency records as a hazardous waste generator. The site is listed with a terminated NPDES construction stormwater permit. No agency violations were reported regarding site activities. Additional Consideration should be made for Hazardous Building Materials such as Asbestos, Metal Based Coatings, etc.

**Resources**

- [EPA Envirofacts Database, Infinity Yachts](#)
- [EPA Envirofacts Database, Glenn's Automotive Center](#)
- [EPA ECHO, Detailed Facility Report Glenn's Automotive Center](#)
- [EPA ECHO, Detailed Facility Report Infinity Yachts](#)



**Site No. 30 – Florida Turnpike & I-595 Release (Medium Risk)**

Site Address:	Florida Turnpike & I-595, Davie, FL	Distance to Project:	Adjacent
Site Names:	Florida Turnpike & I-595 Release	Figure Nos.:	Figure B-2
		Photo Nos.:	30-1
		Facility IDs:	73384455; Broward Co. EDIEAR: 2163; DWM CONTAM/ TANKS/ LUST: 9818693
		Contamination Concern:	Petroleum

This site is assigned a Medium risk rating since it has a documented petroleum discharge of 8,000 gallons of unleaded gasoline on August 1, 2021, has ongoing cleanup as of February 24, 2022, and is adjacent to the corridor. The extent of contamination is not available as of February 2023. According to historical aerial photographs, this site has functioned as a highway since at least 1961.

On August 1, 2021, a tanker truck owned by Urbeta Brothers, with approximately 8,000 gallons of gasoline and 200 gallons of diesel, crashed and released its contents into the surrounding soil. There was no observable sheen or product in the waterways and the area had signs of fire damage. Cliff Berry responded to the incident and performed emergency cleanup operations as well as obtained soil samples. Broward County Resilient Environmental Department requested a Site Assessment Report (SAR) from Urbeta by June 24, 2022; however, no SAR has been received. According to email correspondence between Ashley Lyttle and Nicholas Maksimoski dated December 7, 2022, the SAR is now due to Broward County Resilient Environmental Department on March 6, 2023. Correspondence between the engineer and Broward County on January 25, 2023, indicated that field work would take place on February 1 and 2, 2023 to use direct push technology to advance borings to collect soil samples and install monitoring wells.

Resources

- [Inspection Related, 8/23/2021](#)
- [Cleanup Initiation Related, 2/24/2022](#)
- [Discharge Report Form, 8/6/2021](#)
- [Time Extension, 12/7/2022](#)
- [Field Work Notification, 1/25/2023](#)

**Site No. 34 – Glenn’s Automotive (Medium Risk)**

Site	2601 Reese Road	Distance to Project:	Within Corridor
Address:	Fort Lauderdale, FL	Figure Nos.:	B-2, B-4
		Photo Nos.:	29-2

Site Names:	Glenn’s Automotive, Inc. Site No. 34	Facility IDs:	FLP984188110; Broward County HM 14174
		Contamination Concern:	Petroleum

This site is assigned a Medium risk rating since the site has historically had petroleum, is within the right-of-way acquisition area and data is not available to confirm the presence or absence of contamination.

Site No. 34 is located at 2601 Reese Rd and is currently occupied by Glenn’s Automotive, Inc. The automotive repair facility is not listed in agency records as a hazardous waste generator. The site is listed with a terminated NPDES construction stormwater permit. No agency violations were reported regarding site activities. Glenn’s Automotive historically and currently performs automotive repair and servicing using petroleum and automotive products like motor oil, transmission fluid, brake fluid and coolant. There is no reporting or analytical data or information related to known or suspected contamination.

**Resources**

- [EPA Envirofact Database, Glenn's Automotive Center](#)
- [EPA ECHO, Detailed Facility Report Glenn's Automotive Center](#)

**Site No. 115 – DOT North Turnpike Dump Site (DOT Dump Site 2) and  
Site No. 117 – Proposed Pond Site No. 20 (Medium Risk)**

Site Address: West Side of Turnpike, MM 62,  
Pompano Beach, FL 33069

Distance to Project: Adjacent  
Figure Nos.: B-9  
Photo Nos.: 115-1, 115-2

Site Names: DOT North Turnpike Dump  
Site (DOT Dump Site 2)

Facility IDs: 99393

Contamination: Petroleum/Hazardous  
Concern: Waste

This site is assigned a Medium risk rating since the site is adjacent to the project corridor, in a state program, and had documented contamination. According to the EDR Historical Auto database and regulatory documents, the site operated as a garbage and trash disposal facility as of 1970. Site was redeveloped into a golf course until 2007-2010. At the time of the site reconnaissance, site was a vacant parcel of land. The site is located at the northwest quadrant of Turnpike mainline and Commercial Boulevard.

Resources

- [Survey of Broward County Trash Disposal Facilities, February 26, 1970](#)

**Site No. 120 and 121- Proposed Pond Sites 22 and 23 (Medium Risk)**

Site Address:	NA	Distance to Project:	Within Corridor
		Figure Nos.:	B-9
		Photo Nos.:	120-1, 121-1
Site Names:	Proposed Pond Sites 22 and 23	Facility IDs:	NA
	Proposed Pond Site 22:	Contamination	Hazardous Material
	Immediately West of Florida's	Concern:	
	Turnpike along NW 59th St.,		
	NW 46th Ln., and NW 58th St.;		
	Proposed Pond Site 23:		
	Immediately West of Florida's		
	Turnpike along NW 41st		
	Terrace		

These sites are assigned a Medium risk rating since residential dwellings are present and the properties may contain hazardous materials.

Proposed Pond Sites 22 and 23 (sites 120 and 121) do not have documented environmental contamination and no visual signs of contamination were noted during field reconnaissance. However, portions of these sites have been developed as residential properties since the 1960s. Residential properties commonly store property maintenance chemicals and materials. Some of these chemicals may be hazardous such as paint, automotive chemicals, petroleum, and other hazardous or universal wastes. Additionally, hazardous materials such as asbestos and lead-based paint are often found in structures built in the 1960s and 1970s. There is no information available for review to indicate product type or amounts of hazardous materials stored at these residences. In addition, environmental databases did not identify environmental site assessment or remediation documents for review.



**Site No. 142a – FL DOT Chevron Pompano Beach Service Plaza (Medium Risk)**

Site Address:	Florida Turnpike Mile Marker 65, Pompano Beach, FL 33068	Distance to Project:	Within Corridor
		Figure Nos.:	B-10
		Photo Nos.:	142-1, 142-2
Site Names:	Florida Turnpike Chevron Service Center	Facility IDs:	13/9202122; ID 8622380
		Contamination Concern:	Petroleum

This site is assigned a Medium risk rating since there is contamination in groundwater above the FDEP GCTLs for multiple chemicals of concern within the proposed work footprint of the expansion.

The site is on the south end of the current Pompano Beach Service Plaza, Shell Gas Station, and Turnpike Operations. Active ASTs and UASTs are located at the property, however these are associated with the current fuel retail facility north of this site.

A TSAR prepared by GES Environmental, Inc. in July 2022 provided the following history and information of the site:

The Florida Department of Transportation (FDOT) – Chevron – FL Turnpike Site is located at mile marker 65, approximately 0.5 miles SW of the intersection of the turnpike and West Atlantic Boulevard in Pompano Beach. This is currently the South Pompano Service Plaza rest area and the Florida Turnpike Operations Center offices. The site is located immediately adjacent to the FDOT – Turnpike MP65 Storage Tank Site. (Site 142). Site 142 is an active retail fuel station and rest area. The Site previously housed five 10,000-gallon capacity gasoline USTs, one 10,000-gallon diesel UST, and one 1,000-gallon waste oil UST. Service Plaza was opened in 1957 by the FDOT Turnpike Administration.

The USTs were removed from the site in 1990. Documentation of the removal of the 1,000-gallon waste oil UST was not included in the UST closure report. During the UST removal activities soil samples collected from the excavation area indicated that the soil was contaminated with petroleum hydrocarbons. A total of 720.25 tons of petroleum contaminated soil was removed from the former UST area. A 1987 notification to FDEP reported a release of approximately 1,400 gallons of unleaded gasoline from one of the USTs. The cause of the release was unknown. Analytical samples collected from groundwater at the Site indicated the presence of dissolved phase contamination above the state screening values for VOCs, naphthalene, and other PAHs and also dissolved lead. According to the 1990 UST closure

report, groundwater and free product were not encountered during the excavation and removal of the USTs.

According to the General Site Assessment referenced above, remedial efforts were conducted in 1990. A remedial event was conducted to remove 720.25 tons of petroleum hydrocarbon contaminated soil from the site. A vapor extraction system was reportedly installed in the area of the UST removal to remove vapors from the soils. No documentation pertaining to the operations and maintenance of the vapor extraction system was available for review in the environmental records for the site. The 2022 report states further remediation was not documented after 1990. Plans were submitted that included removal of contaminated soil during the development of the Florida Turnpike Operations Office Building, but records of this remediation were not available for review.

In April 2022, GES Environmental advanced 41 soil borings. Contamination consistent with petroleum hydrocarbons was found to be present in soil collected from the soil borings. In May-June 2022 twelve groundwater monitoring wells were installed to a depth of 20 feet below the ground surface to investigate groundwater quality in the locations of the former USTs and fueling islands. Contamination was present as indicated by analytical samples above the FDEP groundwater GCTLs in monitoring wells MW-17, -22 and -33 for benzene, ethylbenzene, 1-methylnaphthalene and lead. Trace concentrations of benzene, toluene, ethylbenzene, lead, TRPH, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, acenaphthylene, anthracene, fluoranthene, fluorene, phenanthrene, and pyrene were found below FDEP GCTLs in one or more wells sampled. Free product was not encountered during the soil boring, well installation or groundwater sampling events. Vertical delineation on the contaminants was not achieved during the field work performed in April through June 2022. Horizontal delineation of 1-methylnaphthalene in MW-30 on the southeast side of the site was not achieved during the field work performed in April through June 2022. Additional monitoring well installation was proposed to be completed to achieve vertical and horizontal delineation of petroleum hydrocarbon contamination in groundwater.

Observed groundwater flows to the east at an approximate depth of 11.1 to 11.4 feet below the top of casing.

### **Resources**

- [GES Environmental TSAR 2007-08-2022](#)

**Site No. 142b – Pompano Beach Service Plaza (Medium Risk)**

Site Address:	Florida Turnpike Mile Marker 65, Pompano Beach, FL 33068	Distance to Project:	Within Corridor
		Figure Nos.:	B-10
		Photo Nos.:	142-1, 142-3
Site Names:	Florida Turnpike Services LLC Dba Pompano Beach Shell; Coconut Creek Service Center	Facility IDs:	FL0000194324; 73381120; ID 8622548
		Contamination Concern:	Petroleum

This site is assigned a Medium risk rating since it is recently closed LUST site located within the corridor. FDEP issued a No Further Action notice and Broward County issued a Return to Compliance letter in September 2022.

The site includes the Pompano Beach Service Plaza Shell Gas Station, and Turnpike Operations. Active ASTs and USTs are located at the properties.

A General Site Assessment Report prepared by MGS Environmental, LLC in 2018 provided the following history of the site:

The Pompano Beach Service Plaza was opened in 1957 by the FDOT Turnpike Administration. The site operated eight USTs (ranged from 1,000-gallon to 10,000-gallon). The tanks stored diesel, leaded gasoline, unleaded gasoline, and used oil.

A discharge of petroleum was reported at the site in 1980; however, there is not further information available in the file regarding the release. In 1989, the site was determined to be eligible for the EDI program. A Corrective Action Report submitted in 1991, referenced twenty-one monitoring wells were located at the site. The CAR documented the groundwater flow direction towards the southeast and southwest. The CAR also indicated free product and contaminated groundwater was present in the areas of the former UST and dispenser areas. Depth to groundwater was measured to be approximately 9-10 feet bls.

According to the General Site Assessment referenced above, remedial efforts were conducted in 1994. A three-day event was conducted to removed 21,571 gallons of groundwater from the site. The 2018 report states further remediation was not documented after the 1994 event.

The original eight USTs were removed in 1998 and nine USTs were installed. These tanks contained unleaded gasoline, diesel gasohol, and used oil These USTs were removed from the site in 2011.

A new tank area was constructed in 2011 and six USTs were installed (ranged from 10,000 to 20,000 gallons), containing ethanol, unleaded gasoline, and diesel.

In 2018, MAS Environmental installed soil borings and eight shallow monitoring wells at the site and one well to a depth of 33 feet bls. Groundwater analytical results indicated contaminants of concern were below respective GCTLs, except for samples from one well (which only slightly exceeded 1-methylnaphthalene). MAS recommended that site rehabilitation could be achieved within a year though natural attenuation monitoring.

In October 2018, Broward County approved the natural attenuation monitoring plan, requesting quarterly monitoring well sampling and analytical of BTEX/MTBE, PAHs, and TRPH.

On November 17, 2021, a tank inspection conducted by FDEP at the site of two ASTs and six USTs (Facility ID 8622548). FDEP cited minor violations including lack of financial responsibility/insurance, testing of overfill protection devices and interstitial alarm/integrity testing. Broward County followed up on August 19, 2022, citing the violations had not been resolved. Further documentation was not available in the file.

FDEP approved an SRCR NFAP and released Florida Turnpike Enterprise from further obligation to conduct site rehabilitation at the site in September 2022.

### Resources

- [Broward County, Return to Compliance, 9/12/22](#)
- [FDEP, SRCR NFAP, 11/22](#)
- [Broward County, UST and AST non-compliance, Aug 2022](#)
- [MAS Environmental LLC, General Site Assessment Report, October 2018](#)
- [Broward County, Site Assessment Report and Natural Attenuation Monitoring Plan Approval, October 2018](#)



**Site No. 146 – Former Palm Aire Golf Course Brownfield Site (Medium Risk)**

Site Address:	Northeast Corner of Florida's Turnpike and West Atlantic Boulevard, Pompano Beach, FL 33069	Distance to Project:	Adjacent Figure Nos.: B-11 Photo Nos.: 146-1, 146-2
Site Names:	Luzano Legacy at Palm Aire Apartments (Former) Palm Aire Golf Course	Facility IDs:	Not Assigned
		Contamination Concern:	Metals/ Pesticides- Herbicides/PFAS

This site is assigned a Medium risk rating since the site is adjacent to the project corridor and is documented Brownfield location according to EDR. According to the Broward County Historical Aerials, the site operated as a golf course from the early 1970's to 2016. The site has since been redeveloped and, at the time of the site reconnaissance, was occupied by residential homes, condominiums, and apartments. The site is located at the northeast quadrant of Turnpike mainline and West Atlantic Boulevard.

A Brownfield Site Rehabilitation Agreement was entered into on December 30, 2016. Documented contamination resulting from the application of herbicides associated with golf course use, consists of Arsenic in soil and groundwater. In addition to Arsenic, the application of pesticides and herbicides has the potential to be the source of per- and polyfluoroalkyl substances (PFAS). The site rehabilitation satisfied the requirements for the contaminated site and released from further obligation to conduct site rehabilitation at the site. A Declaration of Restrictive Covenant (DRC) was recorded on November 17, 2022. This DRC relates back and amends a previous DRC recorded on June 30, 2020. A Conditional Site Rehabilitation Completion Order was issued on November 30, 2022, stating no further action was required.

Resources

- [Conditional Site Rehabilitation Completion Order, November 30, 2022](#)
- [Brownfield Site Rehabilitation Agreement, December 30, 2016](#)

**Site No. 169 – Sunshine State Parkway Pompano Maintenance Area (Medium Risk)**

Site Address:	MP 67 Exit Pompano Beach, FL 33069	Distance to Project:	Within Corridor
		Figure Nos.:	B-11, B-12
		Photo Nos.:	169-1, 169-2, 169-3
Site Names:	Sunshine State Parkway Pompano Maintenance Area (former)	Facility IDs:	8622424
		Contamination Concern:	Petroleum

This site is assigned a Medium risk rating since the site within the project corridor, has limited documentation related to the closure and assessment activities related to USTs at the Site and has documented contamination with a regulatory decision that no additional remediation or assessment work is needed at the site. The site is within the right-of-way for the proposed project at MP 67.

There is one permanent AST associated with this site. It is a 500-gallon diesel fuel convault tank for an emergency generator. Historically, there were two 60,000-gallon underground storage tanks for diesel and gasoline vehicle fuel. These were installed in 1956 and removed in 1989, though no evidence or reporting of their removal is located in files. A letter from the FDOT to FDEP dated June 22, 1989, indicated that 90 cubic yards of contaminated soils were removed from the site during tank removal activities for the 1956 tanks and that FDOT was planning to have a consultant initiate a site assessment for this contamination. There is no documentation available that this site assessment occurred, and a file review and correspondence indicated that documentation of the tank removal and site assessment could not be found in the Broward County regulatory filing system. After removal of the tanks in 1989, two 6,000-gallon ASTs were installed. These tanks were reportedly never filled with petroleum products according to an ATRP application form submitted by FDOT to FDEP in February 1991. This ATRP application was denied program approval and funding due to the lack of tank closure reporting.

No documentation of the completion of a removal activity, remediation or site assessment can be found in the regulatory filing systems available for review. During the site visit for this CSER, one groundwater monitoring well was identified in the area where it is believed the ASTs were formerly located. Tank closure and removal reporting was not available for review. Site assessment or investigation documentation was not available for review. The limited documentation available for review indicates that contaminated soil was found during tank removal activities in 1989, and these soils were transported to another FDOT facility pending

remedial approval. A letter dated March 27, 1989, from the Broward County Environmental Quality Control Board denied a request by FDOT for a dewatering permit because the permit did not meet the requirements for approval. No further documentation of removal or remedial activities related to this tank closure were available for review. Two 6,000-gallon USTs were installed but were reportedly not placed into service or filled with petroleum products. No closure or removal documentation was available for these two 6,000-gallon USTs.

#### Resources

- [Site Manager Summary Report, December 2, 2015](#)
- [Historical Registration Records, August 11, 1993](#)
- [Correspondence FDOT to FDEP, June 22, 1989](#)
- [Correspondence Broward County to FDOT, March 27, 1989](#)

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**Site No. 194 – Broward County Mass Transit (Medium Risk)**

Site Address:	3201 West Copans Road Pompano Beach, FL 33069	Distance to Project:	Adjacent, 350 feet east to tanks
		Figure Nos.:	B-13
		Photo Nos.:	194-1, 194-2
Site Names:	Broward County Mass Transit	Facility IDs:	8732770 FLD981868847
		Contamination	Petroleum
		Concern:	Hazardous Waste

This site is assigned a Medium risk rating since the site is adjacent to the project corridor, in a state program, had documented contamination with an ongoing cleanup work being performed at the site. The site is in an industrial park immediately east of and adjacent to the north bound lanes of the Turnpike approximately 350 feet. The site is used for storing, fueling, washing, maintaining, and repairing Broward County buses.

Prior to March 2010, there were thirteen single walled USTs on site which were installed between December 1983 and July 1984: two 10,000-gallon gasoline USTs, seven 48,000-gallon diesel fuel USTs, one 6,000-gallon motor oil UST, one 10,000-gallon automatic transmission fluid UST, one 10,000-gallon waste oil UST, and one 10,000-gallon lube oil UST. One 500-gallon petroleum AST was also present on-site. A removal action of these tanks along with soil excavation occurred from August 2009 to March 2010. There are currently fourteen 35,000-gallon diesel fuel USTs, two 12,000-gallon gasoline USTs, 2 12,000-gallon motor oil USTs, one 12,000-gallon automatic transmission fluid UST, and one 12,000-gallon used oil UST. All of these tanks are double walled. There is one 500-gallon AST installed in January 2008 for diesel fuel for the emergency generator on site. The site passed leak detection and operability testing in 2017.

A diesel release was reported on April 25, 1988 following testing of existing monitoring wells. The cause of the release was reported as unknown, possibly overfill of vehicles or housekeeping of the onsite oil/water separator. A total of 475 gallons of free product mixed with water were removed. Additional free product was removed from monitoring wells in June 1998. The release was determined to be eligible for State-funded cleanup under the Preapproval Cleanup Participation Program (PCPP). Three additional non-program releases were reported on February 21, 2002, October 6, 2005, and May 15, 2007; however, all three releases have been issued Site Rehabilitation Completion Orders (SRCO). The SRCO date of the February 2002 lube oil release was December 7, 2004. The SRCO date of the October 2005 hydraulic oil release was September 24, 2007. The SRCO date for the May 2007 Diesel fuel release was August 8, 2008. A release of



approximately 10 gallons of mineral spirits was reported in November 2021. No SRCO had been recorded as of the writing of this summary.

During installation of USTs in 2010 visual indications of a release were noted on the north side of the excavation. Approximately 400 tons of soil were excavated and removed from the site down to depth of 5 feet below the land surface. An additional 4,300 tons of soil was excavated during the tank removal activities down to a depth within the excavation of 17 fbls. A total of 4,820 gallons of petroleum contaminated water was removed from the site during tank removal activities in 2010. Free product was noted during tank removal activities. The source of this free product was not identified but was believed to have been from one of the old USTs that was removed during the tank removal. An additional 3,620 gallons of petroleum contaminated water was removed from the site excavation in April 2010.

A CAR dated October 10, 1991, consisted of a detailed investigation of three identified impacted areas. Area 1 included the main parking area which comprised the tank farm, fueling facility, oil/water separator, and drainage system. Area 2 is located west of Area 1 and west of the bus service garage. An oil/water separator which collects runoff from the garage floors and roof was the suspected contaminant source. Area 3 is the retention basin located on the northeastern portion of the property. During the October 1991 CAR investigation, 46 soil gas points and 13 soil borings were advanced. Excessive hydrocarbon vapors (> 50 ppm) were identified in Area 1 only. The horizontal extent of the hydrocarbon vapor plume was estimated to be approximately 200 feet by 150 feet.

During tank removal and upgrade activities between August 2009 and June 2010, soil contamination was identified in several locations across the site including the maintenance building on the western portion of the site (filter press area, lube room, former used oil sump, former hydraulic fluid assessment area) and the dispenser islands and product delivery lines. Site assessment activities were conducted between January 31, 2011, and February 22, 2011, at predetermined areas based on the findings of documented petroleum impacts from the June 2010 Tank Closure Assessment Report. The assessment activities revealed the presence of soil impacts in the vicinity of the filter press area and lube room in the maintenance building and dispenser area.

On May 15, 2007, an estimated 50 gallons of diesel fuel was released during overfilling of a UST. The surrounding soil was excavated and placed into 19, 55-gallon drums. In November 2022, 22 tons of contaminated soil was disposed of off-site. In October 2007, 18 tons of contaminated soil was disposed of off-site.

On September 11, 2009, approximately 17.5 gallons of off-road diesel fuel were released onto the ground surface and allowed to enter the stormwater drainage system at the site. A summary report of this release indicated that the release diesel fuel had entered the stormwater and flowed into the storm drain due to heavy rainfall at the time of the release. Sampling was conducted which indicated that the release had impacted soil but was potentially commingled with historical releases from the USTs being removed. This release occurred during tank removal activities.

Groundwater samples were collected on February 3, 2011, using direct push technology (DPT) in the dispenser area by advancing the sampling probe to the desired depth using a stainless steel well point and withdrawing the point to expose four feet of stainless-steel screen. Groundwater was allowed to purge until stable water quality parameters were recorded prior to sample collection. Groundwater samples were collected from the shallow 11 to 15-foot bls depth interval at DPT- GW-1, DPT-GW-2, and DPT-GW-3 locations. The three DPT groundwater sampling locations were determined to provide groundwater data within the dispenser area: DPT-GW-1 was installed at the SB-8 location where GVA readings above 41 ppm were recorded within the saturated soil layer. DPT-GW-2 sampling point was located between the southern and center dispenser islands to obtain groundwater data within the dispenser area between the previously identified soil impacted areas; and groundwater sampling point DPT-GW-3 was located downgradient in the southern vicinity of the dispenser area. These DPT groundwater samples were collected in order to evaluate the location for monitoring well installations to confirm and define the extent of groundwater contamination previously identified in this area. Additionally, the DPT groundwater samples allowed collecting additional groundwater data while reducing the installation of monitoring wells within the fuel filling area. DPT groundwater samples were collected in laboratory provided containers and analyzed for the presence of polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270, total recoverable petroleum hydrocarbons (TRPH) using EL-PPH method, Volatile Organic Aromatics and Halocarbons (VOA/VOH) including 1,2-Dibromoethane (EUB) using EPA Method 8260B, and Lead using EPA Method 200.8. These analytes compromise the Gasoline/Kerosene analytical group defined by Chapter 62-770 FAC.

Active remediation was proposed in the April 21, 1992, Remedial Action Report, but the active remediation was never implemented. A Monitoring Only Plan was approved by FDEP in July 1996.

The results of the April 2020 groundwater monitoring event indicated the presence of total xylenes above its Groundwater Cleanup Target Level (GCTL) of 20 micrograms per liter (µg/L) per Chapter 62-777, FAC but below its Natural Attenuation Default Source Concentration (NADSC) of 200 µg/L in monitoring well MW-8 (62 µg/L). The constituent 1-Methylnaphthalene

was detected above its GCTL of 28 µg/L but within its NADSC of 280 µg/L in monitoring wells MW-4D (56 µg/L) and MW-22 (73 µg/L). All other petroleum constituents were reported at concentrations within their respective GCTLs. The results of the August 2020 groundwater monitoring event revealed the presence of total xylenes, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene at concentrations above their respective GCTLs but within NADSCs in monitoring well MW-9. Several carcinogenic PAHs were detected in monitoring wells MW-1D and MW-9. All petroleum constituents were reported at concentrations within their respective GCTLs in the remaining monitoring wells sampled. During sampling activities in August 2020, 0.11 feet of free product was measured in MW-9.

### Resources

- [Template Site Assessment Report, October 29, 2020](#)
- [Interim Site Assessment Report Task 3 and 4, September 4, 2020](#)
- [Interim Site Assessment Report, Task 2, June 8, 2020](#)
- [Limited Tank Closure Assessment and Source Removal Report, June 1, 2010](#)
- [Site Assessment Report, March 31, 2011](#)
- [Summary Report of Incident Notification, September 25, 2009](#)
- [Contamination Assessment Report, October 1, 1991](#)

## 5.7 Analysis of Proposed Improvements Alternatives

A single build alternative is being advanced as described in the project description; therefore, there are no project alternatives to compare to the preferred alignment.

### 5.7.1 Proposed Pond Site Summary

There are 30 proposed pond sites within the project study area corridor. Table 5-2 summarizes Pond Site ID., Potential Contamination Site Number, Location, and Risk Rating. Refer to the Pond Siting Report and Location Hydraulic Report, generated under separate covers, for additional details and figures illustrating existing drainage systems within the project study area.

Pond ID	Potential Contamination Site Number	Location	Risk Rating
Pond Site 1	Site 2	East side of Florida's Turnpike north of Kean Road	No
Pond Site 4	Site 29	Southwest corner of I-595 and Florida's Turnpike	Medium
Pond Site 7	Site 54	East side of Florida's Turnpike north of SW 2 <sup>nd</sup> street	No
Pond Site 8	Site 66	East side of Florida's Turnpike north of West Broward Boulevard	No
Pond Site 9	Site 67	East side of Florida's Turnpike along NW 3 <sup>rd</sup> street	No
Pond Site 10	Site 68	East side of Florida's Turnpike along NW 6 <sup>th</sup> street	No
Pond Site 11	Site 69	East side of Florida's Turnpike along NW 7 <sup>th</sup> street	No
Pond Site 12	Site 70	East side of Florida's Turnpike along NW 9 <sup>th</sup> street	No
Pond Site 13	Site 71	Northeast corner of West Sunrise Boulevard and Florida's Turnpike	High
Pond Site 15	Site 82	East side of Florida's Turnpike north of NW 23 <sup>rd</sup> street	No
Pond Site 16	Site 84	East side of Florida's Turnpike north of NW 26 <sup>th</sup> street	No
Pond Site 17	Site 99	Northwest corner of West Oakland Park Boulevard and Florida's Turnpike	High
Pond Site 18	Site 100	Northwest corner of West Oakland Park Boulevard and Florida's Turnpike	High



Table 5-2 : Proposed Pond Sites Summary

Pond ID	Potential Contamination Site Number	Location	Risk Rating
Pond Site 19	Site 101	Northwest corner of West Oakland Park Boulevard and Florida's Turnpike	High
Pond Site 20	Site 117	Northwest corner of West Commercial Boulevard and Florida's Turnpike	No
Pond Site 22	Site 120	West side of Florida's Turnpike south of NW 59 <sup>th</sup> Street	Medium
Pond Site 23	Site 121	West side of Florida's Turnpike north of NW 59 <sup>th</sup> Street	Medium
Pond Site 25	Site 125	Southeast corner of West Cypress Creek Road and Florida's Turnpike	No
Pond Site 26	Site 140	West side of Florida's Turnpike south of SW 46 <sup>th</sup> Street	No
Pond Site 27	Site 141	West Side of Florida's Turnpike south of Pompano Canal	No
Pond Site 28	Site 143	West Side of Florida's Turnpike south of Pompano Canal	No
Pond Site 29	Site 144	West Side of Florida's Turnpike south of Pompano Canal	No
Pond Site 30	Site 145	Within Median of Florida's Turnpike south of Pompano Canal	No
Pond Site 31	Site 153	Southwest corner of Dr MLK Boulevard and Florida's Turnpike	No
Pond Site 32	Site 155	Southwest corner of Dr MLK Boulevard and Florida's Turnpike	Low
Pond Site 34	Site 167	Northeast corner of Dr MLK Boulevard and Florida's Turnpike	No
Pond Site 35	Site 171	Northeast corner of Dr MLK Boulevard and Florida's Turnpike	No
Pond Site 40	Site 200	West side of Florida's Turnpike North of West Sample Road	No
Pond Site 41	Site 202	Southwest corner of Wiles Road and Florida's Turnpike	No
Pond Site 42	Site 204	Northeast corner of Wiles Road and Florida's Turnpike	No

## 6 Regulatory Status

The acquisition of contaminated property could transfer environmental responsibility to FDOT if cleanup is required. Exacerbation of an existing contaminant plume could result in added liability to FDOT. Sections 5.5 and 5.6 detail site-specific activities where a regulatory agency is taking, has taken, or may take action on a property with known or potential contamination problems.

### 6.1 ETDM ETAT Regulatory Review

This project has been coordinated through the Efficient Transportation Decision Making (ETDM) Environmental Technical Advisory Team (ETAT) regulatory review. The June 5, 2015, contamination related ETDM ETAT review comment is provided below. All comments have been reviewed and the type and number of sites identified in this report are consistent with those listed in the ETDM ETAT comment.

**ETDM No.:** 14350

**Planning District:** FDOT District 4

**Phase:** Programming Screen

**From:** South of I-595 (MP 53)

**To:** Wiles Road (MP 70)

**Contact Information:** Jazlyn Heywood (407) 264-2250 [Jazlyn.Heywood@dot.state.fl.us](mailto:Jazlyn.Heywood@dot.state.fl.us)

**Degree of Effect: Substantial** (Florida's Turnpike Enterprise) August 6, 2018

Comments: Within the 500-foot buffer, 15 Biomedical Waste sites, 77 Hazardous Waste Facilities, 61 Onsite Sewage sites, 43 Petroleum Contamination Monitoring Sites, 21 Solid Waste Facilities, 59 Storage Tank Contamination Monitoring sites, one Superfund Hazardous Waste Site, 28 USEPA National Pollutant Discharge Elimination Systems (NPDES), and 50 USEPA Resource Conservation and Recovery Act (RCRA) Regulated Facilities have been identified. A CSER will be prepared per Part 2, Chapter 20 of the PD&E Manual. If applicable, a Water Use Permit from the SFWMD will be requested.

**Degree of Effect: Minimal** (South Florida Water Management District) April 30, 2018

Construction methodologies, such as dewatering, must be designed to minimize movement of any contaminant plumes. A Water Use Permit would be required from the SFWMD for any consumptive water uses.

**Degree of Effect: Substantial** (USEPA) June 18, 2018

FDOT defines a contaminated site as "Any contiguous land, sediment, surface water, or groundwater areas that contain contaminants that may be harmful to human health or the environment" (PD&E Manual, Part 2, Chapter 20). To address potential impacts, major federal laws govern the remediation of contaminated sites, including the Resource Conservation and

recovery Act of 1976 (RCRA), as amended; and the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended. RCRA provides the foundation for three distinct, yet interrelated, regulatory programs: hazardous waste management (Subtitle C), solid waste management (Subtitle D), and the Underground Storage Tank program (Subtitle I). [See Basics of RCRA, <https://www.epa.gov/enforcement/resource-conservation-and-recovery-act-rcra-and-federal-facilities>]. CERCLA established requirements for cleaning up uncontrolled or abandoned hazardous-waste sites, as well as accidents, spills, and other emergency releases of pollutants and contaminants into the environment, using a federal "Superfund" financed by a tax on the chemical and petroleum industries. CERCLA was amended in 2002 by the Small Business Liability Relief and Brownfields Revitalization Act, which codified the USEPA's practices, policies and guidance for cleaning up and redeveloping brownfields sites. A brownfield is defined as "a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant." [See Overview of the Brownfields Program, <https://www.epa.gov/brownfields/overview-brownfields-program>].

## 6.2 Permits and Specifications

The South Florida Water Management District (SFWMD) administers groundwater monitoring well construction and abandonment permits, Environmental Resource Permits (ERP), and dewatering permits. All permits necessary for the current project design will be obtained in accordance with federal, state, and local laws and regulations.

Right-of-way acquisition and project construction activities may impede on existing monitoring wells. A permit for monitoring well abandonment or construction will be required for those monitoring wells that impede construction and require abandonment. A permit is not required for discrete groundwater sampling during Level II Assessments.

An ERP is required when proposed improvements and subsequent roadway construction activities alter surface water flow. The proposed drainage improvements generally address expansion of the Turnpike to accommodate the increased impervious area. An ERP may be required for the current project design.

Dewatering permits are dependent on construction methods used for pier installation and other subsurface work. Pier locations and construction methods have not been determined for the current project design. Dewatering operations within 500 feet of known contaminated areas may require a dewatering plan and the implementation of engineering controls to avoid potential contamination plume exacerbation. There are several sites that have been identified as a potential dewatering concern due to documented groundwater contamination. FDEP will issue and authorize these dewatering permits.

Additionally, Section 120 Excavation and Embankment – Sub article 120-1.2 Unidentified Areas of Contamination of the Standard Specifications for Road and Bridge Construction should be provided in the proposed project's construction contract documents. This specification requires that in the event any material or suspected contamination is encountered during construction, or if any spills caused by construction-related activities should occur, the contractor shall be instructed to stop work immediately and notify the Florida Turnpike Enterprise, as well as the appropriate regulatory agencies for assistance.

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## 7 Conclusions and Recommendations

### 7.1 Conclusions

FTE is considering improvements to the Florida Turnpike Mainline from south of I-595 (MP 53) to Wiles Road (MP 70) in Broward County, Florida. As part of the engineering process for the proposed project corridor, a contamination screening evaluation was performed in accordance with Part 2, Chapter 20 "Contamination" of the FDOT PD&E Manual, revised July 1, 2020. The objective of this contamination screening was to identify and evaluate contamination sources that can potentially impact the proposed project schedule and costs.

The portion of the approximately 17-mile Turnpike Mainline evaluated is located in Broward County, Florida and is contained within the following 11 municipalities: Coconut Creek, Davie, Deerfield Beach, Fort Lauderdale, Lauderdale Lakes, Lauderdale Regate, North Lauderdale, Plantation, Pompano Beach, and Tamarac. The project corridor is surrounded predominantly by residential with a mix of commercial and industrial land use. The evaluation included reviewing environmental databases and aerial photographs, performing a visual reconnaissance of the project corridor and surrounding area, obtaining pertinent environmental records from state and local agencies, and assigning potential contamination ratings for each source within and adjacent to the project corridor. Through this process, 206 potential contamination sources were identified within 500 feet of the project corridor. In general, the environmental databases indicated these sources were associated with hazardous waste generators, former or current petroleum/spill sites containing UST and/or AST systems and known or former cleaning/dry cleaning facilities. Table 7-1 details the major environmental types of sites identified during this study; a single site may be listed in more than one site type.

Table 7-1 Summary of Types of Potential Contamination Sources	
Site Type	Number of Sites
Superfund Waste Cleanup	1
US Brownfield	6
Solid Waste Facilities	56
Drycleaning Solvent Program	3
FDEP Cleanup Sites	8
Underground Storage Tanks	26
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Evaluation of each site's history and characteristics identified 9 - High, 14 - Medium, 78- Low, and 105 - No contamination risk rated sources associated with hazardous waste or petroleum impacts. Based on these risk ratings, construction activities may encounter soil or groundwater contamination which can potentially impact worker health, the environment, and construction schedule and costs if these sites are not addressed during the design phase. Furthermore, certain construction activities, such as dewatering, can exacerbate existing groundwater contamination plumes, if not controlled.

## 7.2 Recommendations

All High and Medium risk rated sites, including proposed pond sites, identified in this CSER will be re-evaluated for their potential to impact the project during the design / ROW acquisition phases as applicable, to determine if a Level II Contamination Assessment is warranted. Level II Contamination Assessment activities will be completed within the project limits for those sites determined to have potential to impact construction / ROW acquisition. Upon completion of the Level II Contamination Assessments, appropriate environmental actions may be considered. If applicable, environmental notes and specifications may be included in the construction documents. Construction activities near Low and No risk sites generally have no concerns for encountering contamination; therefore, a Level II Contamination Assessment is not warranted.

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**Appendix A:**  
**Government Database Descriptions**

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## **FEDERAL RECORDS**

**2020 COR ACTION:** 2020 Corrective Action Program List. The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

**ABANDONED MINES:** Abandoned Mines. An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

**COAL ASH DOE:** Steam-Electric Plant Operation Data. A listing of power plants that store ash in surface ponds.

**COAL ASH EPA:** Coal Combustion Residues Surface Impoundments List. A listing of coal combustion residues surface impoundments with high hazard potential ratings.

**CONSENT:** Superfund (CERCLA) Consent Decrees. Major legal settlements that establish responsibility and standards for cleaning up NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

**CORRACTS:** Corrective Action Reports (CORRACTS) identifies hazardous waste handlers with RCRA corrective action activity.

**Delisted NPL:** National Priorities List Deletions. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) established the criteria that the USEPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

**DOCKET HWC:** Hazardous Waste Compliance Docket Listing. A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

**DOD:** Department of Defense Sites. This Department of Defense (DOD) database consists of federally owned or administered lands, administered by the DOD, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

**DOT OPS:** Incident and Accident Data. Department of Transportation, Office of Pipeline Safety Incident and Accident data.

**ECHO:** Enforcement & Compliance History Information. ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

**EPA WATCH LIST:** EPA maintains a "Watch List" to facilitate dialogue between USEPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law, only that an investigation by USEPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between USEPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

**ERNS:** The Emergency Response Notification System (ERNS) records and stores information on reported releases of oil and hazardous substances.

**FEDERAL FACILITY:** Federal Facility Site Information Listing. A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

**FEMA UST:** Underground Storage Tank Listing is a listing of all FEMA owned underground storage tanks.

**FINDS:** Facility Index System/Facility Registry System. Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), CRDOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

**FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

**FUDS:** Formerly Used Defense Sites. The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

**FUELS PROGRAM:** EPA Fuels Program Registered Listing. This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

**FUSRAP:** Formerly Utilized Sites Remedial Action Program. DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

**HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing. A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

**HMIRS:** The Hazardous Materials Information Reporting System (HMIRS) contains hazardous material spill incidents reported to the DOT.

**ICIS:** Integrated Compliance Information System. The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

**LEAD SMELTERS:** Lead Smelter Sites is a listing of former lead smelter site locations.

**LIENS 2:** CERCLA Lien Information. A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address released and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

**LUCIS:** The Land Use Control Information System (LUCIS) contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

**LUST:** Petroleum Contamination Detail Report, Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

**MINES MRDS:** Mineral Resources Data System

**MLTS:** Material Licensing Tracking System. MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive



materials, and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

**NPL:** National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

**NPL LIENS:** Federal Superfund Liens. Under the authority granted the USEPA by the CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

**ODI:** A list of Open Dump Inventory. An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

**PADS:** PCB Activity Database System. PCB Activity Database PADS Identifies generators, transporters, commercial storers and/or brokers and processors of PCB's who are required to notify the EPA of such activities.

**PCB TRANSFORMER:** PCB Transformer Registration Database. The database of PCB transformer registrations that includes all PCB registration submittals.

**Proposed NPL:** Proposed National Priorities List sites. A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. USEPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

**PRP:** Potentially Responsible Parties. A listing of verified Potentially Responsible Parties

**RAATS:** RCRA Administrative Action Tracking System. RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

**RADINFO:** Radiation Information Database. The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

**RCRA-LQG:** RCRA - Large Quantity Generators, RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

**RCRA NonGen / NLR:** The RCRA - Non Generators database is USEPA's comprehensive information system that provides access to data supporting the RCRA of 1976, and the HSWA of 1984. The database includes selective information on sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Non-Generators do not presently generate hazardous waste.

**RCRA-SQG:** RCRA - Small Quantity Generators, RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

**RCRA-TSDF:** The Resource Conservation and Recovery Act (RCRA) - Treatment, Storage, and Disposal Facilities (TSDF). RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

**RCRA-VSQG:** RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators), RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

**RMP:** Risk Management Plans (RMP). When Congress passed the Clean Air Act Amendments of 1990, it required USEPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The RMP Rule was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential

effects of an accidental release, an accident history of the last five (5) years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g. the fire department) should an accident occur.

**ROD:** Records Of Decision. Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

**SCRD DRYCLEANERS:** State Coalition for Remediation of Drycleaners Listing. The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

**SEMS:** The Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS and renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

**SEMS-ARCHIVE:** (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

**SSTS:** Section 7 Tracking Systems. Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients

and devices being produced, and those having been produced and sold or distributed in the past year.

**TRIS:** Toxic Chemical Release Inventory System. Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

**TSCA:** Toxic Substances Control Act. Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

**UMTRA:** Uranium Mill Tailings Sites. Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low, however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

**US AIRS (AFS):** Aerometric Information Retrieval System Facility Subsystem (AFS). The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

**US AIRS MINOR:** Air Facility System Data A listing of minor source facilities.

**US BROWNFIELDS:** A Listing of Brownfields Sites. Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

**US CDL:** Clandestine Drug Labs. A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases,



the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

**US ENG CONTROLS:** Engineering Controls Sites List, A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

**US FIN ASSUR:** Financial Assurance Information. All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean-up, closure, and post-closure care of their facilities.

**US HIST CDL:** National Clandestine Laboratory Register is a listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

**US INST CONTROLS:** Institutional Controls Sites List, A list of sites with institutional controls in place. Institutional controls include administrative measures such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

**US MINES:** Mines Master Index File. Contains a mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

**UXO:** Unexploded Ordnance Sites. Listing of unexploded ordnance site locations

#### **STATE AND LOCAL RECORDS**

**AIRS:** Permitted Facilities Listing. A listing of Air Resources Management permits.

**AQUEOUS FOAM:** Former Fire Training Facility Assessments Listing. DEP has conducted initial environmental assessments related to the historic and current use of chemicals found in aqueous film forming foam (AFFF) at fire training facilities throughout Florida

**ASBESTOS:** Asbestos Notification Listing. Asbestos sites.

**AST:** Storage Tank Facility Information, Registered Aboveground Storage Tanks.

**BROWNFIELDS:** Brownfields Sites Database. Brownfields are defined by the Florida Department of Environmental Protection (FDEP) as abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

**Cattle Dip. Vats:** Cattle Dipping Vats. From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

**CLEANUP SITES:** DEP Cleanup Sites - Contamination Locator Map Listing. This listing includes the locations of waste cleanup sites from various programs. The source of the cleanup site data includes Hazardous Waste programs, Site Investigation Section, Compliance and Enforcement Tracking, Drycleaning State Funded Cleanup Program (possibly other state funded cleanup), Storage Tank Contamination Monitoring.

**CLM:** FDEP's Contamination Locator Map (CLM) lists sites that are currently under FDEP's cleanup oversight. The map identifies sites by name, address, facility identification number, and cleanup status - active or pending. Although all sites in CLM are suspected or perceived to be contaminated, further investigation may show that some sites are not contaminated. Conversely, some contaminated sites that are still undergoing preliminary screening by the Department may not yet appear in CLM. Sites that are closed or are no longer under FDEP's cleanup oversight will not appear in CLM. Also, CLM may not include all information about federal facilities.

**DEDB:** Ethylene Dibromide Database Results. Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550, F.S. 520. This is a potential threat to public health when present in drinking water.

**DRYCLEANERS:** Drycleaning Facilities. The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

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

**ENG CONTROLS:** Institutional Controls Registry. The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

**FINANCIAL ASSURANCE:** A list of hazardous waste, solid waste, and storage tank facilities required to provide financial assurance.

**FL SITES:** Sites List. This summary status report was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

**FF TANKS:** A listing of federal facilities with storage tanks.

**HW GEN:** Hazardous Waste Generators. Small Quantity Hazardous Waste Generators are regulated under the federal Resource Conservation and Recovery Act (RCRA) and applicable state regulations as generators of hazardous wastes in quantities greater than 100 Kg but less than 1,000 Kg in any one calendar month. Large Quantity Generators of Hazardous Waste are tracked in this coverage based on their notification to the Department of Environmental Protection as to their handler status, or based on inspections conducted at their facilities. These facilities are regulated under the federal Resource Conservation and Recovery Act (RCRA) and applicable state regulations as generators of hazardous waste in quantities equal to or greater than 1,000 Kg in any one calendar month.

**INST CONTROL:** Institutional Controls Registry. The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

**LAST:** Leaking AST Listing. The file for Leaking ASTs. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks.

**LUST:** Petroleum Contamination Data Report, Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

**NPDES:** Domestic and Industrial Wastewater Facilities in Florida

**PCTS:** The Petroleum Contamination Tracking System (PCTS) lists all identified petroleum program contaminated discharge sites where cleanup is ongoing or complete. Discharge cleanup sites may be eligible or ineligible for state funding assistance. More than one discharge site may be present at a current or former petroleum storage tank facility.

**PFAS:** PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid. PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

**PRIORITY CLEANERS:** Priority Ranking List. The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

**RESP PARTY:** Responsible Party Sites Listing. Open, inactive and closed responsible party sites.

**SHWS:** Florida's State Hazardous Waste Sites (SHWS) records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties.

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

**SITES:** This summary status report is a compilation and revision of other existing lists including the Eckhardt list, the Moffit list, the USEPA Hazardous Waste Sites list, USEPA's Emergency & Remedial Response information System list (RCRA Section 304), & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

**SPILLS:** Oil and Hazardous Materials Incidents, Statewide oil and hazardous materials inland incidents.

**SPILLS 90:** Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

**SPILLS 80:** Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

**STCM:** The Storage Tank Contamination Monitoring (STCM) records contain regulated Facilities with registered above-ground or underground storage tanks. This dataset contains both currently and previously regulated facilities. It also contains facilities registered with FDEP for the purpose of tracking on-site petroleum contamination.

**SWF/LF:** Solid Waste Facility Database, Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

**SWRCY:** Recycling Centers, A listing of recycling centers located in the state of Florida.



**TANKS:** Storage Tank Facility List, this listing includes storage tank facilities that do not have tank information. The tanks have either been closed or removed from the site, but the facilities were still registered at some point in history.

**TIER 2:** Tier 2 Facility Listing. A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

**UIC:** Underground Injection Wells Database Listing. A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

**UST:** Storage Tank Facility Information, Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

**VCP:** Voluntary Cleanup Sites, Listing of closed and active voluntary cleanup sites.

**WASTEWATER:** Wastewater Facility Regulation Database. Domestic and industrial wastewater facilities.

#### **TRIBAL RECORDS**

**IHS OPEN DUMPS:** Open Dumps on Indian Land is a listing of all open dumps located on Indian Land in the United States.

**INDIAN LUST R4:** Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

**INDIAN ODI:** A report on the location and Status of Open Dumps on Indian Lands.

**INDIAN RESERVE:** Indian Reservations that have any area equal to or greater than 640 acres.

**INDIAN UST R4:** The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, and Tribal Nations).

#### **EDR PROPRIETARY HISTORICAL RECORDS**

**EDR MGP:** EDR Proprietary Manufactured Gas Plants. The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human

health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

**EDR US Hist Cleaner:** EDR Exclusive Historical Cleaners. EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns but may not show up in current government records searches.

**RGA HWS:** Recovered Government Archive State Hazardous Waste Facilities List. The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

**RGA LF:** Recovered Government Archive Solid Waste Facilities List. The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

**RGA LUST:** Recovered Government Archive Leaking Underground Storage Tank. The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Florida.

**Appendix B:**  
**Potential Contamination Sites Table B-1 and Maps**

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**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
1	384, 385	NA	B-2	Sterling Marine Systems	3700 Hacienda Blvd Fort Lauderdale FL 33314	504125080010	26.071928	-80.213699	10611	Broward County HM	Office/Light Industrial Business Park	385	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and it is not adjacent to the corridor.	Not located. Web search indicates Sterling Marine is located at 4081 SW 47th Ave #10, Fort Lauderdale, FL 33314 (within 500 feet of Pond Site 1).
2	None	NA	B-2	Broward County Impound Parking Lot?	4700 Block of Hacienda Blvd.	504125080011	26.073143	-80.214795	Not Assigned	Site Reconnaissance	Parking Lot	Within Project Corridor	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	No access, site is secured. No sources of contamination observed. Proposed pond site. Location used as the Broward County Impound Lot?
3	None	NA	B-2	Former Professional Cleaners, Inc.	45833931 SW 47th Ave #102, Lauderhill FL	504125193140	26.07347	-80.213085	9801183	Dry Cleaner	Office	461	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and it is not adjacent to the corridor.	Currently Stafford-Smith, Inc. (Foodservice equipment design, engineering, and consulting). No monitoring wells observed.
4	None	NA	B-2, B-3	Sherwin Williams Branch #9275	3750 Hacienda Blvd. Ste I, Davie FL	504125080010	26.075182	-80.214985	FLR000057026	Broward County HM	Paint Store	137	Hazardous Waste	NA	Low	None	This site is assigned a Low Risk rating since it does not have documented contamination and is adjacent to the corridor.	Active. No monitoring wells observed.
5	None	NA	B-2, B-3	Existing Stormwater Pond	NE of SW 55th Ave and SW 39th St	504126010010	26.075577	-80.218349	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	Not Specified	NA	None	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
6	326, 327	NA	B-2, B-3	FPL Hacienda Site Development Project	3898 Kean Rd., Davie FL 33314	504125310020	26.075624	-80.213657	FLR105Z38	NPDES	Truck Storage	577	Hazardous Waste	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Truck storage yard. No access.
7	383	NA	B-2, B-3	Marine International Diesels, Inc.	3600 Hacienda Blvd, Ste G, Davie FL 33314	504125080010	26.076449	-80.214255	19748	Broward County HM	Office/Light Industrial Business Park	211	Petroleum	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and it is not adjacent to the corridor.	Active. No monitoring wells observed.
8	219, 220, 221	NA	B-2, B-3	Cross Environmental Services, Inc.	5000 Oakes Rd. Ste E, Davie FL 33314-2119	504125080010	26.077127	-80.214665	RCRA NonGen / NLR 1027219977 FLR000252999	RCRA Non Gen; FINDS; ECHO	Office/Light Industrial Business Park	211	Mercury	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	Environmental & demolition services.
9	225, 226	NA	B-2, B-3	Former Quest Medical	5000 Oakes Road Ste A Davie FL 0	504125080010	26.077133	-80.214437	FLR000252999	NPDES	Office/Light Industrial Business Park	334	Hazardous Waste	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Currently New Tech Industries, Inc. (full service stocking data communications distributor).
10	437	NA	B-2, B-3	Former Florida Quality Truss, Inc.	5061 SW 36th St., Davie FL 33314	504124170012	26.0777	-80.213576	7534	Broward County HM	Equipment Storage Yard	621	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and it is not adjacent to the corridor.	Truss engineering and manufacturing. Currently Signal Technology, Inc. (electrical and general contractor that offers a variety of traffic signal services). Appears to be several abandoned vehicles (junk/scrap yard).
11	468	NA	B-2, B-3	Barreiro Concrete Materials, Inc.	3570 SW 49th Way, Davie FL 33314	504124100200	26.078048	-80.212895	ALR 020706, 44982, Broward County HM: 02037; NPDES: G110348	Aluminum Material Assessment Broward County HM; NPDES: G110348	Concrete Plant	848	Petroleum	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Appears no ready-mix concrete process exists. Some concrete materials are stored.
12	448	NA	B-2, B-3	Supermix	3575 SW 49th Way, Davie FL 33314	504124170014	26.079053	-80.213349	FLG110348	NPDES	Concrete Plant	708	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active. No monitoring wells observed.
13	468	NA	B-2, B-3	Smith Fence Company	3450 SW 49th Way, Davie FL 33314	504124100200	26.079384	-80.212843	21164	Broward County HM	Fence Manufacture	877	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active. No access.
14	None	NA	B-2, B-3	Baker Equipment & Materials, Ltd. (Form Works, Inc.)	4951 34th PL, Davie FL	504124100210	26.080203	-80.213883	15643	Broward County HM	Concrete Form Storage	542	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active. No access.
15	277	NA	B-2, B-3	Former HTS Industries, Inc.	4971 SW 34th PL, Davie FL 33314	504124100050	26.080219	-80.214535	12288	Broward County HM	Tire Service	329	Petroleum	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Currently Miller Brothers Giant Tire Service, Inc.
16	115	NA	B-2, B-3	Reefer Cool, Former Auto Recovery Service, Inc.; Former PLM Trailer Leasing	3290 SW 50th Ave, Davie FL	504124100030	26.080816	-80.21523	EPA ID: FL0000554089; FINDS 110002520326	RCRA NonGen; FINDS; ECHO	Auto Repair / Office	91	Hazardous Waste	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Currently Reefer Cool, Inc. and PLM Trailer Leasing (Carrier Truck and Refrigeration units. Authorized dealer for mobile climate control. Truck Leasing).



**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
17	145-147	17-1, 17-2	B-2, B-3	Mowrey Elevator Company, Inc.; Former Cross Environmental Services Inc; Former Compendium International/Broward Truck & Tank Lines	3300 SW 50th Ave Davie Fl	504137011084	26.08121088	-80.21501235	SPILS: 8341; 01945	SPILLS; Broward County HM	Office / Repair Shop	157	Not Specified	NA	Medium	Level II - Soil and groundwater sampling for petroleum and VOCs	This site is assigned a Medium risk rating since it is adjacent to the corridor, has a documented spill on 11/06/2000, and is not a part of a cleanup program according to the EDR.	Active. No access.
18	112, 113	NA	B-2, B-3	C & C Waste Removal, Inc.	3510 SW 50th Ave, Davie Fl 33314	504125080010	26.08177	-80.214873	ERIC 8707; RP: 138107; Broward County HM: 05424	DWM Contamination; Responsible Party: Broward County HM	Parking lot	152	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Dun & Bradstreet: Garbage collection and transport, no disposal. Grab street view image.
19	None	NA	B-2, B-3	Bill Cooper Marine	3505 50 Ave, Davie Fl	504137011221	26.081877	-80.215373	7079	NA	Undeveloped field.	Within Project Corridor	Not Specified	NA	Low	None	This site is assigned a Low Risk rating since it does not have documented contamination and is adjacent to the corridor.	Not located. Grab Google street view.
20	65	NA	B-2, B-3	Florida Rock and Tanks Lines; Former PCI	3505 SW 50th Ave, Davie Fl 33314	504137011221	26.082143	-80.214786	00743	Broward Co. HM	Truck Staging	129	Not Specified	NA	None	None	This site is assigned a Low risk rating since there is no documented contamination and it is adjacent to the corridor.	Currently Florida Rock and Tank Lines.
21	54-63 279 - 288	21-1	B-2, B-3	Florida Petroleum Reprocessors	3211 SW 50th Avenue, Davie Fl	504137011231	26.082609	-80.215292	73387409 ; NPL/ SEMS/ US ENG CONTROLS/ US ENG INST CONTROL/ RCRA/ ROD/PRP; FLD984184127	NPL SEMS,US ENG CONTROLS, US INST CONTROLS, RCRA NonGen/NLR, ROD, PRP	Vacant	Within Project Corridor	VOCs, Metals, Petroleum	Ongoing	High	Level II - Soil and groundwater sampling for petroleum and metals	This site is assigned a High risk rating since it has documented several releases of waste oils, grease, and hazardous substances (including VOCs and chlorinated solvents), is on the NPL, and is adjacent to the corridor.	No access.
22	493; 402-403	NA	B-2, B-3	WM Recycling; National Recycling Davie	3250 SW 50th Ave	504124100030	26.082798	-80.213451	Financial Assurance: 9047157; FLD982143877; Broward Co. HM: 00017; TIER 2: 711592; NPDES: FLR051185	SWRCY, Financial Assurance, Broward Co. HM, Broward Co. HM, NOV, TIER 2: NPDES	Facility	445	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	No access.
23	51-53	NA	B-2, B-3	Terra Construction, Inc.	3411 50 Ave, Davie Fl	504137011212	26.083113	-80.215182	02054	Broward Co. HM	Construction Yard	Within Project Corridor	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	No access.
24	None	NA	B-2	Floval Oil-Road Side Fuel Spill (2) Separate Spill	I-595 To Turnpike Northbound On Ramp	504137011310	26.085547	-80.214956	FLD984184124; Broward Co. HM: EDR: 2735A	Broward Co. HM, EDR	Facility	Within Project Corridor	Petroleum	CSRCCO, 7/9/2019	Low	None	This site is assigned a Low risk rating since it has documented petroleum discharges on 2/11/2005 and 10/30/2007, has a CSRCCO as of 7/9/2019, and is adjacent to the corridor.	Not located.
25	205	NA	B-2, B-4	Tire Rack Company; Former Powerscreen Of Florida	2811 Reese Rd, Fort Lauderdale Fl 33314	504123020010	26.086907	-80.217642	76078	AIRS	Warehouse	270	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Currently Tire Rack Company (Bridge Point 595 Business Park). Tire and wheel distribution. Site formerly a stormwater pond.
26	None	NA	B-2, B-4	Existing Stormwater Pond	NA	504137011310	26.087554	-80.214879	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
27	500-504	NA	B-2, B-4	Kelly Tractor Co.	2801 Reese Rd, Davie Fl	504123020010	26.08798	-80.217319	RCRA: FLR000215939; IFNDS/ECHO: 110064674954	FINDS, ECHO, RCRA-VSQG	Construction Equipment Sales and Service	205	Hazardous Waste, Solvents, Petroleum	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active. No access.
28	49	28-1	B-2, B-4	Golf Carts - Jeffrey Allen, Inc.; Former Infinity Yachts; Former Marine Power Concepts	2701 Reese Rd, Davie Fl 33314	504137011361	26.088998	-80.217052	6939; FLD984188110; Broward Co. HM: 14174; TIER 2: 7077897	RCRA-VSQG, FINDS, ECHO, Broward Co. HM, TIER 2	Office/Sales/ Service	Within Project Corridor	Hazardous Waste Universal Waste Petroleum Asbestos Metal Based Coatings	NA	Medium	Level II - Soil and groundwater sampling for petroleum and metals; Additional Consideration should be made for a Hazardous Material Survey.	This site is assigned a Medium risk based on former and current operations and since it is the location of Proposed Pond Site No. 4 (Site No. 29). No documented contamination according to the EDR. Additional Consideration should be made for Hazardous Building Materials such as Asbestos, Metal Based Coatings, etc.	Golf Carts. Occupies area for proposed Pond Site 4.
29	None	29-1, 29-2	B-2, B-4	Proposed Pond Site	NA	504137011361	26.089081	-80.217658	Not Assigned	Site Reconnaissance	Vehicle Service Centers	Within Project Corridor	Not Specified	NA	Medium	Level II - soil and groundwater sampling for petroleum and metals	The site is assigned a Medium risk rating since the former and existing facilities generate hazardous/regulated wastes.	Proposed pond site. Location occupied by a Golf Cart and Automotive service companies.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
30	None	30-1	B-2	Florida Turnpike & I-595 Release	Florida Turnpike & I-595, Davie Fl	504137011200	26.089294	-80.213192	73384455; Broward Co. EDIEAR: 2163; DWM CONTAM/ TANKS/ LUST: 9818693	Broward Co. EDIEAR, DWM CONTAM, TANKS, Cleanup Sites, LUST	Highway	Adjacent	Petroleum	NA	Medium	Level II - soil and groundwater sampling for petroleum and metals	This site is assigned a Medium risk rating since it has a documented petroleum discharge of 8,000 gallons of unleaded gasoline on 8/1/2021, has ongoing cleanup as of 2/24/2022, and is adjacent to the corridor.	Not located.
31	236	NA	B-2, B-4	Former Glenn's Automotive, Inc.	5320 State Road 84, Davie Fl 33314	504137011452	26.089444	-80.218655	00543	Broward Co. HM	Auto Repair	229	Not specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	D.C. Powder Coating company.
32	175	NA	B-2, B-4	Bay 7 Automotive, Inc.	5350 State Road 84, Davie Fl 33314	504137011352	26.089519	-80.218987	13318	Broward Co. HM	Auto Repair	341	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active.
33	194	NA	B-2, B-4	Ninja Auto Collision	5420 State Rd 84, Davie Fl 33314	504137011450	26.089712	-80.219371	15311	Broward Co. HM	Auto Repair	481	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active.
34	47, 48	29-2	B-2, B-4	Glenn's Automotive, Inc.	2601 Reese Rd, Davie Fl 33314	504123080010	26.08974	-80.217535	11980; FINDS/ECHO: 110024577554	FINDS, ECHO	Auto Repair	Widening Project	Hazardous Waste Universal Petroleum Asbestos Metal Based Coatings	NA	Medium	Level II - Soil and groundwater sampling for petroleum and metals; Additional Consideration should be made for a Hazardous Material Survey	This site is assigned a Medium risk based on former and current operations and since it is the location of Proposed Pond Site No. 4 (Site No. 29). No documented contamination according to the EDR. Additional Consideration should be made for Hazardous Building Materials such as Asbestos, Metal Based Coatings, etc.	Active. Occupies area for proposed Pond Site 4.
35	200	NA	B-2, B-4	Broward County Central Residential Transfer Station	5490 Reese Road, Davie Fl	504137011422	26.089792	-80.219882	Not Assigned	RGA LF	Residential Hazardous Waste	61	Hazardous Waste	NFA	Low	None	This site is assigned a low risk rating since it has documented resolved contamination and is not adjacent to the corridor.	No access.
36	117	NA	B-2, B-4	Alta Construction Equipment Florida, LLC.	5210 Reese Rd, Fort Lauderdale Fl	504137011320	26.090186	-80.218043	FLA807236	DWM CONTAM	Construction Equipment and	107	Petroleum	SRCR, 6/19/2018	Low	None	This site is assigned a Low risk rating since it has documented compliance evaluation for the site as of November 29th, 2022. It has a documented petroleum discharge on 8/1/1986, a completed SRCR as of 6/19/2018, and is not adjacent to the corridor.	Active. No access. Correct map point.
37	None	NA	B-2, B-4	Frankies Auto Painting	5340 SR 84 #5, Fort Lauderdale Fl	504137011451	26.090199	-80.218791	RCRA: FL0984174953; FINDS/ECHO: 11002453599	RCRA NonGen FINDS, ECHO	Auto Repair	343	Solvents	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Not located.
38	237	NA	B-2, B-4	Garrison's Repair West	5310 SR 84, Davie Fl 33314	504137011451	26.090239	-80.21830	15150	Broward Co.	Auto Repair	219	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination according to the EDR and it is not adjacent to the corridor.	Active.
39	180, 181	NA	B-2, B-4	A1 Paint And Body	5340 State Road 84, Davie, Fl 33314	504137011450	26.090377	-80.218673		Broward Co.	Auto Repair	324	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination according to the EDR and it is not adjacent to the corridor.	Active.
40	311	NA	B-2, B-4	Gary's Auto	5370 State Road 84, Davie, Fl 33314	504137011454	26.090414	-80.218833	03345	Broward Co. HM	Auto Repair	335	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination according to the EDR and it is not adjacent to the corridor.	Not located.
41	197, 198	NA	B-2, B-4	Former Transtech	5410 W SR 84, Davie Fl 33314	504137011453	26.090446	-80.219142	Broward Co. HM: 04108	EDR Hist Auto, Broward Co. HM	Not Located	360	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Not located.
42	328	NA	B-2, B-4	Tune-Rite Automotive	5460 SR 84, Davie, Fl 33314	504137011457	26.090545	-80.219587	00650	Broward Co. HM	Auto Repair	361	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active.
43	213; 46	NA	B-2, B-4	Former Value Place Hotel	Unknown Davie, Fl 33317	504123090010	26.090975	-80.220584	NPDES: FLR100B72; FINDS/ECHO: 110060354539	NPDES, FINDS, ECHO	Hotel	289	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Currently Extended Stay America.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
44	223, 224	NA	B-2	Residence (1)	2429 SW 44Th Terrace, Ft. Lauderdale, FI 33417	504124040030	26.091029	-80.21071	Not Assigned	ERNS	Residence	136	Petroleum	NA	Low	None	This site is assigned a Low risk rating since the incident involved a surface water body on 8/25/1993. FDEP records documenting cleanup efforts were not available. Oil sheen was not observed during site reconnaissance.	No business activity observed. Residence.
45	121	NA	B-2, B-4	Palm Peterbilt*/DOT*	4501 SR 84, Fort Lauderdale, FI 33314	504137011471	26.09132	-80.219959	1010	Broward Co. EDIEAR	Highway	117	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	Not located.
46	149	NA	B-2, B-4	Bridge Point 595	5600 Reese Rd. Davie, FI 33314	504114270010	26.09149	-80.221302	110070599121	FINDS, ECHO	Business Park	260	Not Specified		No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active
47	None	NA	B-2, B-4	Existing Pond Site	Northeast Corner of Florida's Turnpike And I-595	504113180010	26.093082	-80.214514	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
48	228, 229	NA	B-2, B-4	Residence (2)	5140 SW 21st Court, Plantation FI	504114220090	26.093178	-80.220062	Not Assigned	SPILLS	Residence	266	Petroleum	NA	Low	None	This site is assigned a Low risk rating since it has a documented 5 gallon diesel spill on 3/8/2009 and is not adjacent to the corridor.	No business activity observed. Provide Google street view image.
49	None	NA	B-2, B-4	Existing Pond Site	Northwest Corner of Florida's Turnpike And I-595	504113131980	26.094081	-80.218061	Not Assigned	Site Reconnaissance	Stormwater pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
50	None	NA	B-2	McGinnis Ski School	2421 SW 46Th Ave	504113180010	26.095431	-80.21401	8837949	LUST, UST, AST, DWM CONTAM	Residence/ Ski School	150	Petroleum	CR, 5/28/2008	Low	None	This site is assigned a Low risk rating since it has a documented petroleum discharge on 2/20/1992, a completed SRCR as of 5/28/2008, and is adjacent to the corridor.	Active. No access.
51	187	NA	B-2, B-5	Residence (3)	4700 SW 24th St., Ft Lauderdale, FI 33317	504113132970	26.095884	-80.214124	Not Assigned	ERNS		195	Petroleum	NA	Low	None	This site is assigned a Low risk rating since the incident occurred on 8/25/1993. FDEP records documenting cleanup efforts were not available. Oil sheen or staining was not observed during site reconnaissance.	No business activity observed. Near proposed Pond Site 47 and Pond Site 51.
52	408, 409	NA	B-2, B-5	Meadowbrook Elementary	2300 SW 46Th Ave, Fort Lauderdale, FI 33317	504137011170	26.095975	-80.212579	00138	Broward Co. HM	School	457	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active. No access.
53	467	NA	B-2, B-5	Broward Sheriff's Office-Fire Rescue Station #23	2200 SW 46Th Ave, Plantation FI 33317	504137011271	26.096828	-80.212054	053110	Broward Co. HM	Department	800	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Active. No access.
54	None	NA	B-2, B-5	Proposed Pond Site	Northeast of Florida's Turnpike and SW 24th Street	504113130010	26.097384	-80.216100	Not Assigned	Site Reconnaissance	Power Line Utility Corridor	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
55	199	NA	B-5	Marine Fuel Service & Supply Co.	1400 SW 52nd Way, Plantation, FI 33317	504114230280	26.100964	-80.2195	Not Assigned	EDR history	Residence	409	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	No business activity observed. Actual business location unknown.
56	191	NA	B-5	Broward County School Board-S Plantation HS	1300 Paladin Way, Plantation, FI	504137011563	26.102995	-80.219621	9047389; Broward Co. HM; 01517	Broward Co. HM	School	389	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	No access.
57	NA	NA	B-5	All Tire Recycling, LLC.	5220 SW 7th St, Plantation, FI 33317	504111230320	26.111837	-80.219511	102207	SWF/LF	Residence	206	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	No business activity observed. Residence.
58	499	NA	B-5, B-6	Ft Lauderdale City- Peele Dixie Wellfield Generator Bldg.	5050 W Broward Blvd., Plantation, FI 33317	504112130010	26.119758	-80.216849	Financial Assurance: 9813230; Broward Co. HM; 02694; Tier 2: 7101756	Financial Assurance, Broward Co. HM, TIER 2	Not Identified	389	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	No building or facility. No tanks observed. No monitoring wells observed.
59	None	NA	B-5, B-6	T-Mobile Cell Site	5200 W Broward Blvd., Plantation, FI	504111010100	26.120296	-80.218734	9810816	NA	Cell Tower	55	Petroleum	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	Active. Generator with base-mounted fuel tank observed.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
60	251, 252, 253	NA	B-5, B-6	Rocket Fuel; Former Mobil; Former Citgo Plantation	5271 W Broward Blvd., Plantation, FL	504102010020	26.121145	-80.219353	LUST/ AST/ UST/ Cleanup Sites/ DWM CONTAM/ Financial Assurance: 8838150; Broward Co. EDIEAR: 1396A; Broward Co. HM: 05016	RG LUST, LUST, UST, AST, Cleanup Sites, DWM CONTAM, Broward Co. EDIEAR, Financial Assurance, Broward Co. HM	Gas Station	295	Petroleum	Ongoing	Low	None	This site is assigned a Low risk rating since it has a petroleum discharge on 11/4/1988, has an ongoing remediation status as of 8/3/2012, and is not adjacent to the corridor.	Combine with 88. Active. Currently Rocket Fuel gas station. Facility has service bays. Three monitoring wells observed by UST farm (west side along East Acre Drive).
61	298	NA	B-5, B-6	Former Plantation Wash Bowl	5201 W Broward Blvd., Fort Lauderdale, FL	504102010010	26.121172	-80.218609	Not Assigned	EDR Hist Cleaner	Strip Mall	54	Not Specified		Low	None	This site is assigned a Low risk rating since it has no documented contamination according to the EDR and is adjacent to the corridor.	Vacant space in Plantation Village strip mall. Formerly Little Caesars Pizza. One abandoned monitoring well observed in back alley (east side of space).
62	41	NA	B-5, B-6	US Food Services Ber 07-21-36930Z	Turnpike Mm 57 NB, Plantation, FL 33317	NA	26.121312	-80.217894	9809782	LUST, TANKS, DWM CONTAM	Highway	Within Project Corridor	Petroleum	NFA, 12/11/2008	Low	None	This site is assigned a Low risk rating since it has a documented petroleum discharge on 3/16/2003, a completed NFA as of 12/11/2008, and is located within the corridor.	Not located.
63	302	NA	B-5, B-6	Former Kent Cleaners Laundry	25 East Acre Dr., Fort Lauderdale, FL	504102011240	26.121329	-80.219895	Not Assigned	EDR Hist Cleaner	Dry Cleaner/ Strip Mall	480	Solvents	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Space is boarded (renovation?). No monitoring wells observed on east side (front), no access to rear (west side).
64	329	NA	B-5, B-6	Former B Z R, Inc.	31 E Acre Dr., Fort Lauderdale, FL 33317	504102011240	26.121423	-80.219892	Not Assigned	EDR Hist Cleaner	Strip Mall	482	Solvents	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Currently All Seasons Alterations. No monitoring wells observed on east side (front), no access to rear (west side).
65	330	NA	B-5, B-6	Former East Acre Dry Cleaners	37 E Acre Dr., Fort Lauderdale, FL 33317	504102011240	26.12179	-80.219861	Not Assigned	EDR Hist Cleaner	Strip Mall	479	Solvents	NA	No	None	This site is assigned a No risk rating since it has no documented contamination according to the EDR and is not adjacent to the corridor.	Currently Dade Test & Balance Corporation. No monitoring wells observed on east side (front), no access to rear (west side).
66	None	NA	B-5, B-6	Proposed Pond Site	NA	NA	26.123197	-80.217039	Not Assigned	Site Reconnaissance	Power Line Utility Corridor	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
67	None	NA	B-5, B-6, B-7	Proposed Pond Site	NA	NA	26.126321	-80.216811	Not Assigned	Site Reconnaissance	Power Line Utility Corridor	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
68	None	NA	B-7	Proposed Pond Site	NA	NA	26.1292	-80.217143	Not Assigned	Site Reconnaissance	Power Line Utility Corridor	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
69	None	NA	B-7	Proposed Pond Site	NA	NA	26.131437	-80.217609	Not Assigned	Site Reconnaissance	Power Line Utility Corridor	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
70	None	NA	B-7	Proposed Pond Site	NA	NA	26.133559	-80.218019	Not Assigned	Site Reconnaissance	Contractor Lay Down Area	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
71	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	EDR incorrectly identified this site within the project corridor. Further research indicated the actual site location is the Ft. Pierce Service Plaza, not within the search criteria.
72	82	NA	B-7	T-Mobile - 6Fb1436M	5101 W Sunrise Blvd., Plantation, FL 33313	NA	26.13754	-80.217739	21168	Broward Co. HM	Cell Tower	Within Project Corridor	Not Specified	NA	Low	None	This site is assigned a Low risk rating since there is no documented contamination and it is adjacent to the corridor.	No access. Map point is not correct. Cell tower is north of the FDOT Turnpike facility (Site 92 below)
73	None	NA	B-7	Existing Stormwater Pond	NA	NA	26.13795	-80.218333	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
74	39	NA	B-7	Abraham Baker	5200 NW 12th Court, Lauderhill, FL 33313	494135040510	26.139051	-80.220278	99030	SWF/LF	Residence	197.6432511	Waste Tire Collector	NA	Low	None	This site is assigned a Low risk rating since the site is not adjacent to the project and does not have any environmental concerns.	No business activity observed. Residence.
75	None	NA	B-7	Existing Stormwater Pond	NA	NA	26.140504	-80.22027	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.



**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
76	178, 179	NA	B-7	Addison Residence	1261 NW 51 Ave, Lauderhill, FL 33313	494136040071	26.141011	-80.218007	ERIC_10352	DWM CONTAM. RESP PARTY	Residence	170	Residence/ arsenic	NA	Low	None	This site is assigned a Low risk rating since the site is not adjacent to the project. Low or non-detectable levels of arsenic were encountered in all soil samples	No business activity observed. Residence.
77	111	NA	B-7	City Of Lauderdale Property	NW 51st Avenue, Lauderhill, FL 33313	494136040070	26.141038	-80.218387	DWM CONTAM; ERIC_10272; RESP PARTY: 277549	DWM CONTAM. RESP PARTY	Easement	80	Not Specified	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Vacant. No access. Obtain Google image.
78	319	NA	B-7	FPL MacArthur Substation	2000 NW 51st Ave, Lauderhill, FL 33313	494125000112	26.151028	-80.218648	FLR000043471	RCRA/FINDS; ECHO	Substation	172	Not Specified	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active.
79	279, 282; 416	NA	B-7	City of Lauderdale Utilities - WTP; Broward County WWS MPS 452	2001 NW 49th Ave, Lauderhill, FL	494125000111	26.152356	-80.218186	8622515; 73380966; 8622452; 9400244	UST;AST;RCRA;FI NDS; ECHO	Water Treatment	332	Petroleum, Lead	Ongoing	Low	None	This site is assigned a Low risk rating since it has a documented leaded gas discharge on 8/7/2022, ongoing as of 11-9-2020, and is adjacent to the corridor.	Active. No access.
80	None	NA	B-7	City Of Lauderdale John Mullin Park	2000 NW 55th Avenue, Lauderhill, FL	494126000013	26.153257	-80.220472	104802	SWF/LF	Park	209	Not Specified	NA	No	None	This site is assigned a No risk rating since the debris staging area has no documented contamination and is adjacent to the corridor.	Active. No access.
81	495	NA	B-7	Castle #7 Condominium, Inc.	2251 NW 48th Ter., Lauderhill, FL 33313	NA	26.154792	-80.216539	10827	Broward Co. HM	Residential	446	Not Specified	NA	No	None	This site is assigned a No risk rating since residence has no documented contamination and is not adjacent to the corridor.	Condominiums.
82	None	NA	B-7, B-8	Proposed Pond Site	2525 NW 49th Ave, Lauderdale Lakes, FL 33313	494125000084	26.156238	-80.217975	Not Assigned	NA	Park	Within Project Corridor	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site at Cypress Preserve Park.
83	119	NA	B-8	Alton Donegal	2464 NW 52nd Ave, Lauderhill, FL 33313	NA	26.157965	-80.220295	102654	SWF/LF	Residential	Within Project Corridor	Waste Tire C	NA	Low	None	This site is assigned a Low risk rating since the site is adjacent to the project and does not have any environmental concerns.	Apartments.
84	None	NA	B-8	Proposed Pond Site	Northwest of NW 49th Avenue and NW 26th Court	494125410010	26.160002	-80.217874	Not Assigned	NA	Wooded	Within Project Corridor	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
85	380	NA	B-8	New Colony Apartment Homes	5420 NW 27th Street, Lauderhill, FL 33313	494126190010	26.160493	-80.221538	Not Assigned	ECHO;FINDS	Residential	Within Project Corridor	Lead Paint	NA	No	None	This site is assigned a No risk rating since residence has no documented contamination and is not adjacent to the corridor.	Apartments.
86	260-268	NA	B-8	Florida Medical Center	5000 West Oakland Park Boulevard, Fort Lauderdale, FL 33313	494125000080	26.162801	-80.218494	FLR00006091; 7335188; 4740054	AST;RCRA;FINDS; ECHO	Industrial	302	Solvents/ Petroleum	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Two ASTs observed. Capacities unknown. Temporary mobile generators staged for Hurricane Nicole. Regulated bio wastes. Use Google image to view ASTs.
87	212	NA	B-8	Former Alvey Cleaners, Inc. Clean & Save; Former Clean Save Cleaners; Former Florida Institute Of Health	4850 W Oakland Park Blvd., Lauderdale Lakes, FL	494125000051	26.163135	-80.216715	FLR0000758154; FLR00000959	EDR HIST CLEAN	Dry Cleaner	581	Solvents	NA	No	None	This site is assigned a No risk rating since residence has no documented contamination and is not adjacent to the corridor.	Not present. Suite No. not known. No monitoring wells observed in parking lot. Oakland Medical Mall.
88	76	NA	B-8	Insurance Tags and Titles; Former Apple Photo	5554 W Oakland Park Blvd., Lauderhill, FL 33313	494126340010	26.163919	-80.225582	2677	Broward Co. HM	Strip Mall	262	Not Specified	NA	No	None	This site is assigned a No risk rating since residence has no documented contamination and is not adjacent to the corridor.	Not present. Currently Insurance Tags and Titles. Inverness Center (strip mall).
89	37; 69-75	NA	B-8	Mj Cleaners Inc; Former The Dry Cleaner; Former Arts Dry Cleaners Inc	5534 W Oakland Park Blvd., Lauderhill, FL	494126340010	26.163965	-80.22493	9500132	ECHO/FINDS	Dry Cleaner	244	Solvents	SRCO	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Currently Blended Family Foods Restaurant. Located within Inverness Center (strip mall).
90	78-81	NA	B-8	7-Eleven Store #38063	5590 W Oakland Park Blvd., Lauderhill, FL	494126140010	26.164126	-80.226775	9816186	UST; ECHO/FINDS	Gas Station	190	Petroleum	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active. No monitoring wells or remediation observed.
91	99-103	NA	B-8	Former Mobil #02 552	5600 W Oakland Park Blvd., Lauderhill FL	494126270020	26.164312	-80.227479	FLD984204073	UST; ECHO/FINDS	Vacant	124	Petroleum	SRCR complete, 7/25/2019	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is adjacent to the corridor.	Currently undeveloped grass field. Monitoring wells or piezometers observed. No remediation system observed.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
92	91	NA	B-8	Hawaiian Gardens Phase II	5101 W Oakland Park Blvd., Lauderdale Lakes, FL 33313	NA	26.165131	-80.217816	9804664	RGALUST; TANKS	Residential	45	Not Specified	NFA, 7/2/2003	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Active.
93	141-143	NA	B-8	CVS Pharmacy #1302	5501 W Oakland Park Blvd., Lauderhill, FL 33313- 1411	494123090011	26.165428	-80.223137	FLR000185983	RCRA-VSQG	Commercial Drug Store	127	Not Specified	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active
94	30	NA	B-8	Former Publix Super Markets #174	5575 W Oakland Park Blvd., Lauderhill, FL	494126000010	26.165511	-80.225235	FL0001039569	RCRA-VSQG	Grocery	207	Not Specified	NA	No	None	This site is assigned a No risk rating since residence has no documented contamination and is not adjacent to the corridor.	Not present. Currently developed with the Lauderdale City Hall corridor.
95	202-204	NA	B-8	City Of Lauderdale Municipal Complex	5581 W Oakland Park Blvd., Lauderhill, FL 33319	494123090020	26.165573	-80.2255	9811627	AST	Government	231	Not Specified	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active.
96	28, 35; 36,122-123; 150, 185	NA	B-8	Classic French Dry Cleaners; Florida DEP DSCP D041 #069500171; Shoppes Of Inverrary	5539 W Oakland Park Blvd., Lauderhill, FL	494125350010	26.165678	-80.224294	FLD082414350; FLR000031864; FLR000105353; 73378357; 9500171	FINDS,ECHO; CLEANUP SITES	Dry Cleaner	138	Herbicides/ Pesticides/PFAS	Active	None	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is adjacent to the corridor.	Active. Monitoring wells observed in back (north side).
97	29	NA	B-8	Former Princeton Shop, Inc.	5563 W Oakland Park Blvd., Ft Lauderdale, FL 33313	494125350010	26.165694	-80.224609	Not Assigned	EDR HIST AUTO	Strip Mall	142	Herbicides/ Pesticides/PFAS	NA	No	None	This site is assigned a No risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Not present. Address not located in the existing Shoppes of Inverrary strip mall. Grab Google street view image.
98	428	NA	B-8	Publix Store #1109	5855 W Oakland Park Blvd., Lauderhill, FL 33313	494123220021	26.165882	-80.23029	11276	Broward CO. HM	Grocery	675	NA	NA	Low	None	This site is assigned a Low risk since it has no documented contamination according to the EDR and it is adjacent to the corridor.	Active. Generator with base-mounted fuel tank.
99	None	99-1	B-8	Proposed Pond Site	NA	494123010120	26.165773	-80.22117	Not Assigned	Site Reconnaissance	Golf Course	Within Project Corridor	Herbicides/ Pesticides/PFAS	None	High	Level II - Soil and groundwater sampling for pesticides, herbicides, Arsenic and PFAS	This site is assigned a High risk rating since golf course maintenance likely applied herbicides and pesticides (Arsenic/PFAS) routinely.	Proposed pond site at former golf course.
100	None	100-1	B-8	Proposed Pond Site	NA	494123010120	26.167174	-80.223738	Not Assigned	Site Reconnaissance	Golf Course	Within Project Corridor	Herbicides/ Pesticides/PFAS	None	High	Level II - Soil and groundwater sampling for pesticides, herbicides, Arsenic and PFAS	This site is assigned a High risk rating since golf course maintenance likely applied herbicides and pesticides (Arsenic/PFAS) routinely.	Proposed pond site at former golf course.
101	None	101-1	B-8	Proposed Pond Site	NA	494123010120	26.169936	-80.221368	Not Assigned	Site Reconnaissance	Golf Course	Within Project Corridor	Herbicides/ Pesticides/PFAS	None	High	Level II - Soil and groundwater sampling for pesticides, herbicides, Arsenic and PFAS	This site is assigned a High risk rating since golf course maintenance likely applied herbicides and pesticides (Arsenic/PFAS) routinely.	Proposed pond site at former golf course.
102	None	102-1, 102-2	B-8	Proposed Interchange (Former Inverrary Country Club South Course)	Rock Island Road, West Oakland Park Blvd., and Turnpike	494123010120	26.171609	-80.220834	Not Assigned	Site Reconnaissance	Golf Course	Within Project Corridor	Herbicides/ Pesticides/PFAS	None	High	Level II - Soil and groundwater sampling for pesticides, herbicides, Arsenic and PFAS	This site is assigned a High risk rating since it is a proposed interchange at a former golf course. Due to Pesticide/Herbicide concerns in the soil and ground water.	Former golf course. Pesticide/Herbicide concerns in soils/groundwater. Site not reported in EDR or FDEP Contamination Site Locator Map.
103	295, 321- 325; 321- 325	NA	B-8	Life Care Center At Inverrary	4300 Rock Island Rd., Lauderhill, FL	494123170020	26.176875	-80.220765	LUST: 8736557; Broward Co. EDIEAR: 1238B; Financial Assurance: 8736557; RESP PARTY: ERIC. 10314	LUST, UST, Broward Co. EDIEAR, Financial Assurance, RESP PARTY	Assisted Living	209	Petroleum	SRCR complete, 9/18/2006	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	At least two generators and two ~300 gallon ASTs with fuel observed.
104	124	NA	B-8	Inverrary Golf Club	5420 NW 44th St., Lauderhill FL	494123180010	26.178695	-80.221343	LUST: 8736557; Broward Co. EDIEAR: 1238B; Financial Assurance: 8736557; RESP PARTY: ERIC. 10314	LUST, UST, Broward Co. EDIEAR, Financial Assurance, RESP PARTY	Junk Yard	500	Petroleum	LNFA, 5/17/2021	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Former golf course maintenance facility. Currently unnamed junk yard. No access.
105	355-364	NA	B-8	Verizon Wireless WRBD Radio Tower	4431 Rock Island Road, Fort Lauderdale, FL 33319	494114010020	26.179831	-80.220821	4995765	TIER 2	Cell Tower	426	Not Specified	NA	Low	None	This site is assigned a Low risk rating since there is no documented contamination and it is adjacent to the corridor.	Active. Observed generators and fuel storage tanks. No access.
106	293, 296	NA	B-8, B-9	Mainland's Park	4500 Monterey Dr., Tamarac, FL 33319	494113280530	26.181402	-80.217097	FINDS: 110056401148; ECHO: 110056401148; NPDES: FL000000000000	FINDS, ECHO, NPDES	Park	355	Not Specified	NA	No	None	This site is assigned a No risk rating since the debris staging area has no documented contamination and is adjacent to the corridor.	Active. No access.

## Contamination Screening Evaluation Report

### Florida Turnpike Widening from I-595 to Wiles Road

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
121	None	121-1	B-9	Proposed Pond Site	Immediately West of Florida's Turnpike along NW 41st Terrace	494112080190	26.198145	-80.2066	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	Hazardous Building Materials (Asbestos, Metal Based Coatings, etc.)	NA	Medium	Additional Consideration should be made for a Hazardous Material Survey	This site is assigned a Medium rating since they are residential dwellings and there is no appropriate analytical data available. Additional Consideration should be made for Hazardous Building Materials such as Asbestos, Metal Based Coatings, etc.	Not visited.
122	17	NA	B-9	T-Mobile USA, Inc. - 441/Dewitt Realty	5951 N State Road 7, Fort Lauderdale, FL 33309	Not Identified	26.198778	-80.204334	7815	Broward Co. HM	Cell Tower	124	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	No access. Obtain Google street view image. Site not mapped correctly. Site is located immediately south of the intersection of the Turnpike and State Road 7.
123	320	NA	B-9	City of North Lauderdale (Pompano Park); Pompano Park Debris Staging Area	4100 Bailey Road, North Lauderdale, FL	Not Identified	26.199933	-80.205446	98094	SWF/LF	Park	190	Not Specified		Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Active.
124	297; 337	NA	B-9	Prospect Pit	Fort Lauderdale, FL 33309	494207010160	26.200158	-80.19619	Not Assigned	MINES MRDS		359	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	No access. Gated.
125	None	NA	B-9	Proposed Pond Site	Southwest corner of West McNab Road and Hawkins Road	Not Identified	26.201658	-80.197673	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
126	144	NA	B-9	City Of North Lauderdale - Public Works Storage Facility	2100 S State Road 7, North Lauderdale, FL 33068	494207010130	26.201795	-80.203437	10621	Broward Co. HM	Equipment Yard	130	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Active.
127	238	NA	B-9	Extra Space Storage 1064	2048 S State Rd 7, North Lauderdale, FL 33068	494207090011	26.202265	-80.203605	ASO1109088; 4665	Asbestos, Broward Co. HM	Storage Units			NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Active.
128	None	NA	B-9	Existing Pond Site	Southeast corner of Florida's Turnpike and West McNab Road	Not Identified	26.202567	-80.200712	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
129	273	NA	B-9	BH Cars, Inc.	1750 S State Road 7, North Lauderdale, FL 33068	494207090010	26.202626	-80.203455	10555	Broward Co. HM	Used Car Sales		Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Active.
130	227	NA	B-9	North Lauderdale Auto Sales, Inc.	1752 N State Road 7, North Lauderdale, FL 33068	Not Identified	26.203013	-80.203443		Broward Co. HM	Used Car Sales	405	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Active.
131	477	NA	B-9	Bellsouth Telecommunications, Inc. Eh363	1701 Cove Lake Rd., North Lauderdale, FL 33068	Not Identified	26.203299	-80.199528	13534	Broward Co.	Cell Tower?	58	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Not located.
132	310	NA	B-9, B10	Former WRPV Xi Lakeview Lauderdale, LLC.	1949 Cove Lake Rd., North Lauderdale, FL 33068	494207110010	26.203534	-80.195821	Not Assigned	Broward Co. NOV	Residential	391	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Not present. Currently Glen Cypress Creek. Obtain Google street view image.
133	372	NA	B-9	Former Della Cigto Service	1701 S State Rd 7, Pompano Beach, FL 33063	494112280010	26.205215	-80.204414	9807448	EDR Hist Auto	Gas Station	430	Petroleum	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Not present. Currently Ace Educational Supplies. Current layout does not support a gas station. Potentially historic gas station.
134	95	NA	B-9, B10	Sanctuary Cove Associates, Ltd.	5601 W McNab Rd., North Lauderdale, FL 33068	494207100010	26.206061	-80.199742	Not Assigned	Broward Co. NOV	Unknown	55	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	Not located.
135	177	NA	B-9, B10	McNab 7 Plaza	1635 S State Road 7, Pompano Bch., FL	Not Identified	26.206676	-80.20416	Not Assigned	DEDB	Strip Mall	170	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Known as McNab 7 Plaza.
136	None	NA	B-9, B10	Queen Of Heaven Cemetery Shop	1500 S SR 7 North, Lauderdale, FL	494207120010	26.207419	-80.202862	8837391; 402	Broward Co. HM	Cemetery	263	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	No access. Gated. Obtain Google street view image.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
137	376-377	NA	B-9, B10	New Cingular Wireless #16163 - F04 North Lauderdale	1511 N State Road 7, North Lauderdale, FL 33068	494112020013	26.207522	-80.204882	3292	Broward Co. HM	Cell Tower	472	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	Active.
138	276	NA	B-10	Residence (5)	4961 SW 9th St., Margate, FL 33068	494206090970	26.217579	-80.193233	Not Assigned	ERNS	Residential	327	Not Specified	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and is not adjacent to the corridor.	
139	176	NA	B-10	New Cingular Wireless CDZZ	1001 SW 46th Ave, Pompano Beach, FL 33069	494206230010	26.217607	-80.188514	3179	Broward Co. HM	Cell Tower	77	Not Specified	NA	Low	None	This site is assigned a Low risk rating since it has no documented contamination and is adjacent to the corridor.	
140	None	NA	B-10	Proposed Pond Site	Immediately west of Florida's Turnpike and northeast of SW 10th Street	Not Identified	26.21769	-80.190924	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed Pond Site
141	None	NA	B-10	Proposed Pond Site	West of Pompano Beach Service Center (Turnpike) and South Lyons Road	Not Identified	26.225969	-80.185948	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed Pond Site
142a	11;12;14;15; 16;249	142-1, 142-2	B-10	Florida Turnpike Office Building, Chevron LUST	Florida Turnpike Mile Marker 65, Pompano Beach, FL 33068	Not Identified	26.226113	-80.182915	8622380	FINDS, ECHO, LUST, UST, Cleanup Sites, DWM CONTAM, AST	Turnpike Service Plaza (Gas Station/Offices)	Within Project Corridor	None	Ongoing	Medium	Level II - Soil and groundwater sampling for petroleum constituents	This site is assigned a High risk rating since it is a documented groundwater contamination site and is adjacent to the corridor.	Active. Combine with 219, 220, 221, 222, 223, and 224. Site includes the Pompano Beach Service Plaza, Shell Gas Station, and Turnpike Operations. USTs present. One monitoring well located. One generator at Shell with base-mounted fuel tank. One generator at Turnpike Operations
142b	11;12;14;15; 16;249	142-1, 142-3	B-10	Florida Turnpike Services LLC DBA Pompano Beach Shell; Coconut Creek	Florida Turnpike Mile Marker 65, Pompano Beach, FL 33068	Not Identified	26.226113	-80.182915	FL0000194324; 73381120	FINDS, ECHO, LUST, UST, Cleanup Sites, DWM CONTAM, AST	Turnpike Service Plaza (Gas Station/Offices)	Within Project Corridor	Petroleum	Cleanup Status: Ongoing. Cleanup Required	Medium	Level II - Soil and groundwater sampling for petroleum constituents	This site is assigned a Medium risk rating since it is an active LUST site located within the corridor.	Active. Combine with 219, 220, 221, 222, 223, and 224. Site includes the Pompano Beach Service Plaza, Shell Gas Station, and Turnpike Operations. USTs present. One monitoring well located. One generator at Shell with base-mounted fuel tank. One generator at Turnpike Operations
143	None	NA	B-10	Proposed Pond Site	West of Pompano Beach Service Center (Turnpike) and South Lyons Road	Not Identified	26.2278	-80.184324	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed Pond Site
144	None	NA	B-10, B-11	Proposed Pond Site	Northwest of Pompano Beach Service Center (Turnpike), Est of S. Lyons Road, and South of Pompano Canal	Not Identified	26.229547	-80.182635	Not Assigned	Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed Pond Site
145	None	NA	B-10, B-11	Existing Pond Site	North of Pompano Beach Service Center between Florida's Turnpike Northbound and Southbound Lanes	Not Identified	26.22955	-80.17966	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
146	417	146-1, 146-2	B-11	Former Palm Aire Golf Course Brownfield Site	Northeast Corner of Florida's Turnpike And West Atlantic Blvd., Pompano Beach, FL 33069	484232150010	26.234201	-80.172601	Not Assigned	Brownfields	Golf Course	603	Not Specified	Not Specified	Medium	Level II - Soil and groundwater sampling for metals, pesticides, herbicides and PFAS	This site is assigned a Medium risk since it is a documented Brownfields location according to the EDR and it is adjacent to the corridor.	No access. Gated. Currently residential homes, condominiums, apartments.  The previous May 2017 CSER identified this site (Site #21) as a High risk site.
147	8	NA	B-11	Coco Pool Cleaners, Inc.	374 Sunshine Dr., Pompano Beach, FL 33066	484232101240	26.235616	-80.175861	Not Assigned	EDR Hist Cleaner	Residence	366	Solvents	Not Specified	Low	None	This site is assigned a Low risk rating as it was formerly a Historic Cleaner facility and is currently a residence with no documented contamination. This site is located within the corridor.	No business activity observed. Residence.
148	607	NA	B-11	Pompano Beach Sports Park Reuse Area	3190 NW 4th St., Pompano Beach, FL 33069	Not Identified	26.235899	-80.165202	BF061702001; 2105; ERIC_6856	Brownfields, Broward Co EDIEAR RESP Party	Residential	2169	Arsenic	Not Specified	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Brownfield? Area extends from NW 3rd Street to NW 8th Street.
149	387-397	NA	B-11, B-12	ServiceMaster Remediation	933 NW 31st Ave, Pompano Beach, FL 33069	Not Identified	26.240705	-80.167801	11881	Broward Co HM	Office/Shop	512	Not Specified	Not Specified	Low	None	This site is assigned a Low risk since it has documented remediation activity according to the EDR and it is not adjacent to the corridor.	Active. Located with the Contractors Business Park complex.
150	None	NA	B-11, B-12	Former Tropic Oil Co Contractors Business Pk	1001 NW 31st Ave, Pompano Beach, FL	Not Identified	26.241066	-80.167957	9804698	Broward Co HM	Office	402	Not Specified	Not Specified	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Currently MS Medical Testing Solutions. Located with the Contractors Business Park complex.



**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
151	427	NA	B-11, B-12	Iso-Tech Industries	1141 NW 31st St.	Not Identified	26.241114	-80.165597	5889	Broward Co HM	Warehouse	362	Not Specified	Not Specified	Low	None	This site is assigned a Low risk since it has documented contamination according to the EDR and it is not adjacent to the corridor.	Not visited due to unsafe conditions. Obtain Google street view image.
152	344-349	NA	B-11, B-12	Pompano Truck Stop; Former Phillips 66- #22219	1101 NW 31st Ave. Pompano Beach, FL	484233190020	26.242451	-80.165842	8943586; 8502531	RG LUST, LUST, UST, DWM Contam.	Gas Station	Within Project Corridor	Petroleum	NFA	Low	None	This site is assigned a Low risk since it has documented remediation activity including an NFA and it is not adjacent to the corridor.	The previous May 2017 CSER identified this site (Site #19) as a Medium risk site.
153	381	NA	B-11, B-12	Proposed Pond Site	1233 NW 31st Avenue, Pompano, FL	Not Identified	26.242836	-80.164507	Not Assigned	Site Reconnaissance	Grassy/ Wooded Lot	Within Project Corridor	None	None	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Not visited. No safe access. Obtain Google street view image. Vacant field east of NW 31st Ave (across from Travelodge).
154	365	NA	B-11, B-12	FDOT Pompano Site Debris Staging Area	SE FL Turnpike & Coconut Creek Blvd. Inters., Coconut Creek FL 33069	484233280010	26.24314	-80.165639	98065	SWF/LF	Vacant Field	Within Project Corridor	Not Specified	None	No	None	This site is assigned a No risk rating since the disaster debris management area has no documented contamination or other environmental concerns. This site is not adjacent to the corridor.	Not visited. No safe access. Obtain Google street view image.
155	151-154	NA	B-11, B-12	AT&T Mobility - CDZE	1401 Northwest 33 Drive, Pompano Beach, FL 33069	484233000328	26.243586	-80.167328	4983102	Broward Co HM, Tier 2	Cell Tower	Within Project Corridor	Sulfuric Acid	None	None	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. Onsite storage of sulfuric acid was reported on the Tier 2 reports. This site is located within the corridor.	Not visited. No safe access. Obtain Google street view image.
156	None	NA	B-11, B-12	Proposed Pond Site	Southeast corner of Florida's Turnpike and Dr. MLK Blvd.	Not Identified	26.243882	-80.167009	Not Assigned	Site Reconnaissance	Vacant Field	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
157	None	NA	B-11, B-12	T-Mobile USA, INC - BCC Tower, FB1014/FB1360	1000 Coconut Creek Pky.	Not Identified	26.244082	-80.169332	7816	Not Specified	Cell Tower	231	Not Specified	Not Specified	No	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. This site is located adjacent to the corridor.	Active. No issues observed.
158	7	NA	B-11, B-12	Biomass Recycling - Pompano	1413 NW 33rd Dr., Pompano Beach, FL 33069	Not Identified	26.244154	-80.166969	102468	SWF/LF	Yard Waste	Within Project Corridor	Biomass/Yard Waste Recycling	Not Specified	Low	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. The site is permitted for yard waste recycling. This site is located within the corridor.	Not visited. No safe access. Obtain Google street view image. Check historical images. Web search name. Permitting doc from Oculus saved in file. Permit filed good through 2016. Fac ID 00102468. Permit is only for "Yard Trash"
159	168	NA	B-11, B-12	Southeastern Power Products	2880 Hammondville Rd., Pompano Beach, FL 33069	484233030031	26.244701	-80.162527	11880	Broward Co HM	Light	Within Project Corridor	Not Specified	Not Specified	Low	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. The site has a Broward County Hazardous Materials facility ID. This site is located adjacent to the corridor.	Active. Marine generator sales and service.
160	84,86	NA	B-11, B-12	McDonalds Corporation	1490 NW 31st Ave, Pompano Beach, FL 33069	110055215413	26.244756	-80.164307	110055215413	FINDS ECHO, NPDES, USTOS, Broward Co HM	Auto Repair	Within Project Corridor	Not Specified	Not Specified	Low	None	This site is assigned a Low risk rating since it is a former auto repair shop with no documented contamination. The site is located adjacent to the corridor.	Former gas station? Check aerials. No monitoring wells or remediation system observed. Obtain Google street view image if necessary.
161	133-140	161-1, 161-2	B-11, B-12	Amerika Gas	1493 NW 31st Ave, Pompano Beach, FL 33069	484233000321	26.244762	-80.165085	110055215413	FINDS ECHO, NPDES, USTOS, Broward Co HM	Gas Station	Within Project Corridor	Petroleum	Active Cleanup	High	Level II - Soil and groundwater sampling for petroleum constituents	This site is assigned a High risk rating since it is a documented contamination site and is adjacent to the corridor. The site is an active UST site.	AS/VE remediation system in operation. The previous May 2017 CSER identified this site (Site #17) as a High risk site.
162	375	NA	B-11, B-12	Hammondville Shoppes, LLC.	2740 Hammondville Rd., Pompano Beach, FL 33069	110032791227	26.24498	-80.161016	110032791227	FINDS ECHO	Parking Lot	165	Not Specified	Not Specified	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns and the site is not adjacent to the project corridor.	Booby Trap parking. One building on site.
163	77	NA	B-11, B-12	Booby Trap	2840 Hammondville Rd., Pompano Beach, FL 33069	484233030064	26.244992	-80.161691	11846	Broward Co HM	Night Club	45	Not Specified	Not Specified	Low	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. This site is located adjacent to the corridor.	Active.
164	209	NA	B-11, B-12	Camp USA	Hammondville Rd., Pompano Beach, FL 33069	484233030010	26.245555	-80.161458	110028303253	FINDS ECHO	RV Rental	81	Not Specified	Not Specified	Low	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. This site is located adjacent to the corridor.	Active. No issues observed.
165	109-110	NA	B-11, B-12	Top Self Storage	2855 Hammondville Rd., Pompano Beach, FL 33069	484228000353	26.245641	-80.162165	FLR10RM11	FINDS ECHO, NPDES	Storage	104	Not Specified	Not Specified	Low	None	This site is assigned a Low risk rating since there is no documented contamination or other environmental concerns. This site is located adjacent to the corridor.	Active. No issues observed at entry. No access to majority of site.
166	5,331-335	166-1, 166-2	B-11, B-12	Coconut Creek Developers, Inc.; Wynmoor Community Council	3333 Coconut Creek Pky., Coconut Creek, FL 33066	Not Identified	26.24572	-80.169176	8838274; 9809742	AST	Residential/ Resort	144	Petroleum	Not Specified	Low	None	This site is assigned a Low risk rating since it is a closed site with ASTs. Closure activities or assessment of the ASTs are not specified. The site is adjacent to the corridor.	No access. Gated.

## Contamination Screening Evaluation Report

### Florida Turnpike Widening from I-595 to Wiles Road

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIAL STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
180	None	NA	B-11, B-12, B-13	George B Wittmer Associates, Inc.	1791 Blount Rd. Ste 70, Pompano, Fl	Not Identified	26.252206	-80.165105	FINDS: 110006839485; FLR000009555	FINDS; ECHO; RCRA NonGen	Business Park	354	Hazardous Waste	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns and the site is not adjacent to the project corridor.	Not located in Turnpike Commercial Plaza.
181	BN324	NA	B-11, B-12, B-13	Former Stratford Commercial Laundry	1791 Blount Rd. Ste. 720, Pompano, Fl	Not Identified	26.25271007	-80.16501838	FLD982148967; FINDS: 110005587481	RCRA NonGen; FINDS; ECHO	Business Park	Within Project Corridor	Hazardous Waste	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns and the site is not adjacent to the project corridor.	Not located in Turnpike Commercial Plaza.
182	None	NA	B-11, B-12, B-13	Former UPS Freight (Wilson Trucking Corp)	1801 Blount Rd., Pompano Beach, Fl	Not Identified	26.252436	-80.164763	8622559; Broward County HM: 15315 FLD981869084;	LUST; UST; DWM Contamination; Financial Assurance; Broward County HM; RCRA NonGen	Trucking Distribution	468	Petroleum	Complete - SRCO	Low	None	The site is assigned a Low risk rating since it is in a state program, has documented contamination, is not adjacent to the project corridor, and the site has been issued an SRCO. The site received an FDEP SRCO Letter on December 24, 2014.	Current Tforce Freight. No access. Gated.
183	230-235	NA	B-11, B-13	Former Consolidated Freightways - FIF	1901 Blount Rd., Pompano Beach, Fl 330690	484228A80460	26.254248	-80.165445	FLD984188250; FINDS: 110005599478; 8622398; OHMIT: 16166	RCRA Non Gen; FINDS: ECHO; UST; SPILLS; Financial Assurance; Broward County HM.	Trucking Distribution	272	Petroleum	NFA	Low	None	The site is assigned a Low risk rating since it is in a state program, has no documented contamination, and is adjacent to the project corridor. According to a July 15, 2003, Broward County indicated "Closure meets Chapter 62-761/762 FAC requirements, no contamination reported-No Further Action was given" as a response to a July 1998 Tank Closure Assessment Report (TCAR). The 10,000 gallon UST has been removed from the site. No additional information is available for review.	Active. Currently Central Transport. Truck maintenance. Former UST/AST site. Old monitoring wells observed.
184	214-218	NA	B-11, B-13	Former Sunbelt Transformer LTD; Former D C Hiatt Trucking, Inc.	2063 Blount Rd., Pompano Beach, Fl 33069	484228090100	26.255653	-80.165544	FINDS: 110055100448; Tier 2: 7103828; 9200371; Broward County HM: 00175	FINDS; ECHO; TIER 2; UST; AST; AIRS; Financial Assurance; Broward County HM; HMIRS	Warehouse/ Office/ Construction Yard	258	Petroleum	NA	Low	None	The site is assigned a Low risk rating since it is in a state program, has no documented contamination, and is adjacent to the project corridor. According to a July 21, 2011, Storage Tank Facility Annual Compliance Inspection Report, the USTs and ASTs have been removed from the site and the facility is in compliance. No additional information is available for review.	Active. Currently Edison Power Constructors. New transformers (pole-mounted) staged in back.
185	399	NA	B-11, B-13	Former Tampa Armature Works, Inc.	2059 Blount Rd., Pompano Beach, Fl 33069	484228090110	26.255832	-80.164791	01411	Broward County HM	Business	509	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns.	Active. Currently Silver Lining (Inflight Catering)
186	192-193	NA	B-11, B-13	Ofra Cosmetic Laboratories	2141 Blount Rd., Pompano Beach, Fl 33069	484228090121	26.256558	-80.165784	07202; 16778	Broward County	Office/ Manufacturing House		Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns.	Cosmetics facility. Two ASTs and chemical totes observed. AST contents unknown. Generator on east side of building.
187	373-374	NA	B-11, B-13	Next U S A Corporation	2131 Blount Rd., Pompano Beach, Fl 33069	484228090141	26.256567	-80.165065		Broward County	Office/ House	442	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns.	No name outside of building. Google maps indicate M.D. Science Lab.
188	473	NA	B-13	Former L C Clark Tire Company, Inc.	2110 Blount Rd., Pompano Beach, Fl 33069	484228090142	26.256593	-80.163490	96291	SWF/UST Waste Tire Collector	Auto Service	955	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns.	Active. Currently Reach Equipment and Rental.
189	353-354	NA	B-13	Former Diversified Nano Solutions Corporation	2161 Blount Rd., Pompano Beach, Fl 33069	484221100150	26.257339	-80.165239	1100703	Emergency Response Spill	Office/ Warehouse	427	Not Specified	NA	No	None	This site is assigned a No risk rating since there is no documented contamination or other environmental concerns.	Currently Carpet Tech. Office appears vacant. Warehouse is in use.
190	67	NA	B-11, B-13	Nixon Transport 2006- 21-6174	Fl Turnpike N Between Hammondville Rd and Sample Rd, MP 68.3, Pompano Beach, Fl 33069	484228070022	26.257396	-80.166412	9808741	Emergency Response Spill	Highway	52	Petroleum	Complete - SRCO	Low	None	The site is assigned a Low risk rating since it has resolved contamination with issuance of a Site Rehabilitation Completion Order (SRCO). According to a Post Active Remediation Monitoring and Site Rehabilitation Completion Report, a tanker truck overturned on the Turnpike and released an estimated 5,000 gallon of unleaded gasoline to the unpaved embankment. Site assessment activities, remedial actions, and post remedial action monitoring took place at the site.	Potential spill. Not located. Exact location unknown. Consider removing if there is no documentation indicating the exact location. Otherwise, provide Google street view image of location provided in documentation.
191	None	NA	B-13	Aramark Uniform Services; Former Coca Cola Distribution Center	2351 NW 30th Ave, Pompano Beach, Fl	484228090161	26.258332	-80.166125	9200047; 14884	Broward County HM	Commercial Laundry	203	Petroleum	Source Removal Complete	Low	None	The site is assigned a Low risk rating since it has resolved contamination. According to a Broward County Review Letter, dated June 14, 2012, no additional work is required at this facility.	No access. Gated. Large AST observed. Contents unknown.
192	210	NA	B-13	Wynmoor Community Council Fuel Depot	2395 N Wynmoor Rd., Coconut Creek, Fl	484228090151	26.258785	-80.167853	9809069	AST	Fuel Depot	146	Petroleum	None	Low	None	The site is assigned a Low risk rating since it is in a state program, has no documented contamination, and is adjacent to the project corridor. According to a January 5, 2022, Storage Tank Facility Routine Inspection Report, the ASTs were in good condition with no leaks.	Not visited. No access. Gated. Obtain Google street view.

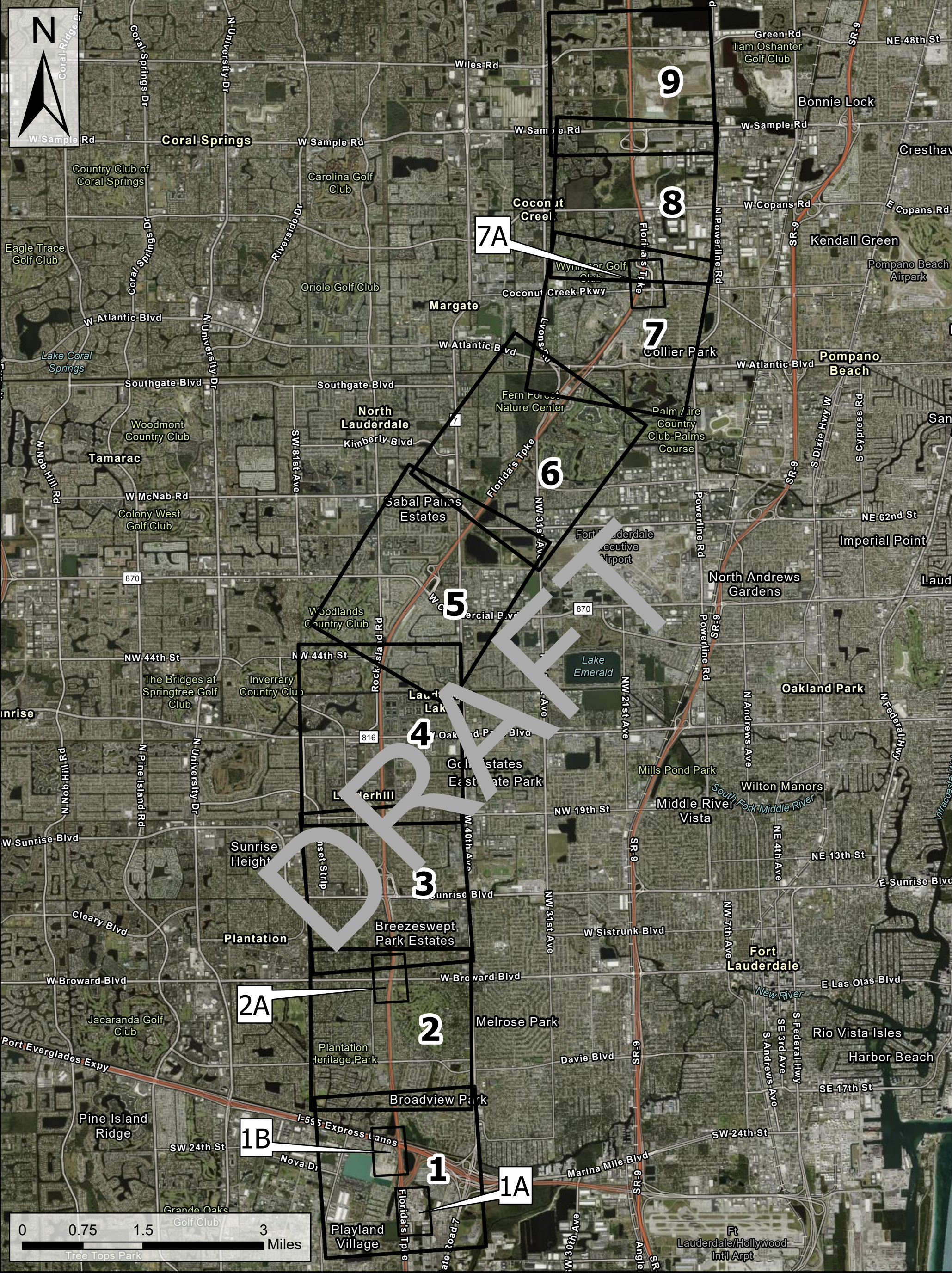
**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIATION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
193	432	NA	B-13	Former Alpha 250	Blount Road and Copans Pompano Beach, Fl 33069	484221000250	26.26092	-80.165256	98990	SWF/LF	Warehouse / Sales Floor	694	Not Specified	None	No	None	This site is assigned a No risk rating since the disaster debris management area has no documented contamination or other environmental concerns.	Active. Currently Marble of the World.
194	None	194-1, 194-2	B-13	Broward County Mass Transit	3201 West Copans Road, Pompano Beach, FL	Not Identified	26.260013	-80.165621	FLD981868847; 8732770	VSQG; LUST; UST; AST; FINDS; ECHO; Asbestos; Broward County EDIEAR; Financial Assurance; Broward County HM	Offices/ Bus Services - Maintenance	Adjacent	Hazardous Waste / Petroleum	On-site Remediation	Medium	Level II - Soil and groundwater sampling for petroleum and metals	The site is assigned a Medium risk rating since it is in a state program, has documented contamination, is adjacent to the project corridor, and is in a cleanup program. According to a Template Site Assessment Report (TSAR) dated October 29, 2020, several discharges of petroleum product, from underground storage tank systems, have occurred over the years. The TSAR identifies several contaminants of concern at concentrations in soil and groundwater exceeding their applicable Cleanup Target Levels of Chapter 62-777, Florida Administrative Code. Accordingly, the site will remain in the Petroleum Restoration Program to await future cleanup funding based upon priority score order. Broward County recommends that, at that time, further assessment of Total Recoverable Petroleum Hydrocarbon impacts to groundwater be conducted. Site assessment activities are ongoing.	Active. No access. Gated. UST vent pipes observed (beyond 500 foot buffer). Combine with 290.  The previous May 2017 CSER identified this site (Site #4) as a Medium risk site.
195	278	195-1, 195-2	B-13, B-14	Former Desrocher Sand And Rock - Desrocher Pit; Former Rock Lake Parcel H	2700 NW 33 St. Pompano Beach, Fl	484221000121	26.269171	-80.166947	BCEPD: NF-2887 10306091; MRDS: AG00024	MINES MRDS	Warehouses/ Substation	287	VOCs, SVOCs, pH, Phenols, and PFAS	NFA with Controls	High	Level II - Soil and groundwater sampling for VOCs, SVOCs, pH, ammonia, aluminum and iron	This site is assigned a High risk rating since it is in a state/local program, has documented contamination, is adjacent to the project corridor, and has a Declaration of Restrictive Covenant. At the time of the site reconnaissance, the site was occupied by an electrical substation, warehouses, and a natural gas compressor station. According to historical laboratory analytical results, contaminants in groundwater and surface water exceeded cleanup target levels. The extent of groundwater impacts have not been defined laterally. Broward County approved a No Further Action with Controls on September 17, 2018.	Site formerly a sand pit (?) which has been filled in. Site is occupied with Unoccupied Distribution/Warehouse (3150 and 3250 NW 33rd Street (?), electrical substation, and FGT CS 21.5).  The previous May 2017 CSER identified this site (Site #3) as a High risk site.
196	None	NA	B-13, B-14	Existing Pond Site	Southwest corner of Florida's Turnpike and West Sample Road	Not Identified	26.271583	-80.170037	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
197	None	NA	B-13, B-14	Existing Pond Site	Southeast corner of Florida's Turnpike and West Sample Road	Not Identified	26.272015	-80.167582	Not Assigned	Site Reconnaissance	Stormwater Pond	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Existing pond site.
198	1	NA	B-13, B-14	Tradewinds Park Debris Staging Area	3600 W. Sample Road, Coconut Creek, Fl	Not Identified	26.273238	-80.172948	98066	SWF/LF	Park	246	Not Specified	NA	No	None	This site is assigned a No risk rating since the debris staging area has no documented contamination or other environmental concerns.	Active. Baseball fields.
199	378	NA	B-13, B-14	T4993 Copans Road Mobility Improvements	Not Reported Coconut Creek, Fl 33066	484220040030	26.27574	-80.17092	FLR105M77	Construction Stormwater General Permit	Park	350	None	None	No	None	This site is assigned a No risk rating since this facility has an active Construction Stormwater GP for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place. EDR does not provide an address; however, a search of Permit No. FLR105M77 in Oculus indicates this facility has an address of 3600 West Sample Road (Tradewinds Park). No documentation or additional information is available.	Not located. Address (4993 Copans Road) is beyond the project limits. Exact location unknown. Mapped coordinates includes the County's construction equipment staging area (picnic tables, mobile bleachers, vegetative waste, Conex boxes, etc.) Camera photo numbers document this area. Consider removing if there is no documentation indicating the exact location.
200	NA	NA	B-13, B-14	Proposed Pond Site	Between Florida's Turnpike (Southbound Lanes at MP 69.75) and Equine Assisted Therapies of South Florida	Not Identified	26.27925	-80.169385	Not Assigned	Site Reconnaissance	Turnpike ROW/ Grassy area	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
201	399	201-1	B-14	CDSL Power- Production Facility	3140 NW 48th Street, Pompano Beach, Fl	484216100010	26.287731	-80.16701	Not Assigned	RGA LF	Power Facility	562	Not Specified	Not Reported	High	Level II - Soil and groundwater sampling for VOCs, SVOCs, metals, pesticides, herbicides and PFAS	This site is assigned a High risk rating since this facility is associated with the Monarch Landfill operated by Waste Management. No additional information is available.	No access. Gated.
202	NA	NA	B-14	Proposed Pond Site	Southwest corner of Florida's Turnpike and Wiles Road	Not Identified	26.28784	-80.170148	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
203	539-542, 555- 556,559,561, 562,582-582	203-1, 203-2	B-14	CDSL Transfer ST; Central Sanitary Landfill And Recycling Center; Monarch Hill Landfill Waste Management	2700-3000 NW 48th St (Hilton Rd), Pompano Beach, Fl	484216010010	26.288339	-80.161901	73376524; 55093; UST 8622531; HW Gen: 50630 and FLD981019581; Broward County	RGA LF; SWF/LF; UST; ICIS, US AIRS; FINDS; AIRS; Asbestos; Financial Assurance; HW Generator; Broward County	Landfill	1786	Various regulated wastes and PFAS	NAMP Semiannual Monitoring	High	Level II - Soil and groundwater sampling for VOCs, SVOCs, metals, pesticides, herbicides and PFAS	This site is assigned a High risk rating since this facility has operated as a solid waste landfill for approximately 60 years. Landfill operates under RED License Number SW-LF00076-21 (Florida Department of Environmental Protection (FDEP) Permit Number 051323-033-SC).	No access. Gated.

**Table B-1 Potential Contamination Sites  
Florida Turnpike from I-595 to Wiles Road**

12/2/22 SITE NO.	EDR NO.	PHOTO NUMBERS	FIGURE NUMBERS	SITE NAME	ADDRESS	PARCEL NUMBERS	LATITUDE (Decimal Degrees)	LONGITUDE (Decimal Degrees)	FACILITY ID (EPA / FDEP / BCEPD)	SELECTION RATIONALE	FACILITY TYPE	APPROXIMATE DISTANCE TO NEAREST POINT OF PROJECT CORRIDOR (FEET)	CONTAMINATION CONCERN	REMEDIALTION STATUS	CONTAMINATION RISK RATING	RECOMMENDATION	RATIONALE FOR RISK RATING	SITE RECONNAISSANCE NOTES
204	None	NA	B-14	Proposed Pond Site	Southwest corner of Florida's Turnpike and Wiles Road	Not Identified	26.289945	-80.167907	Not Assigned	Site Reconnaissance	Wooded Lot	Within Project Corridor	None	NA	No	None	This site is assigned a No risk rating since it has no documented contamination and there were no signs of contamination sources.	Proposed pond site.
205	478	NA	B-14	Mancini-Ricman Debris Staging Area	NW Corner of NW 48th Street and SW 45th Way, Deerfield Beach, Fl 33442	Not Identified	26.291094	-80.16642	98073	SWF/LF	Vacant	325	Not Specified	NA	No	None	This site is assigned a No risk rating since the debris staging area has no documented contamination or other environmental concerns.	No access. Under construction.
206	475	NA	B-14	Ric-Man International Inc. (Lakefill)	1802 SW 45th Way Deerfield Beach, Fl 33442	484209230020	26.291183	-80.164674	BCEPD EDIEAR: S117047944	BCEPD EDIEAR	Trailer Storage	867	Metals, Phenols	PCR Project Closed with Restrictions	Low	None	This site is assigned a Low risk rating since it is in a state program, has documented contamination, not adjacent to the project corridor, and is closed with restrictions. At the time of the site reconnaissance, the site was occupied by a Rooms To Go trailer storage lot.	Active.





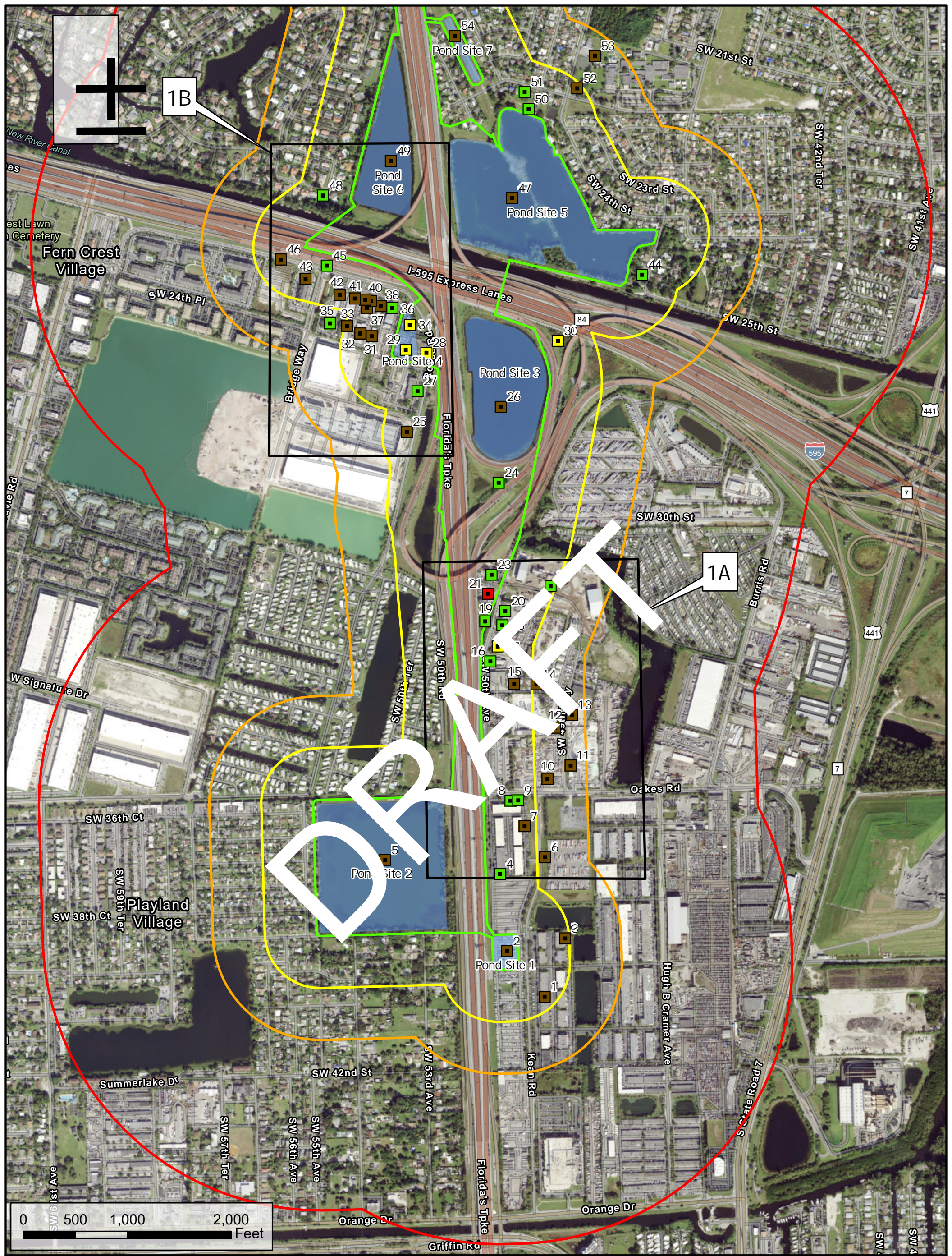
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Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-1  
Map Sector

Legend  
□ Map Sectors with ID





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-2  
Map Sector 1

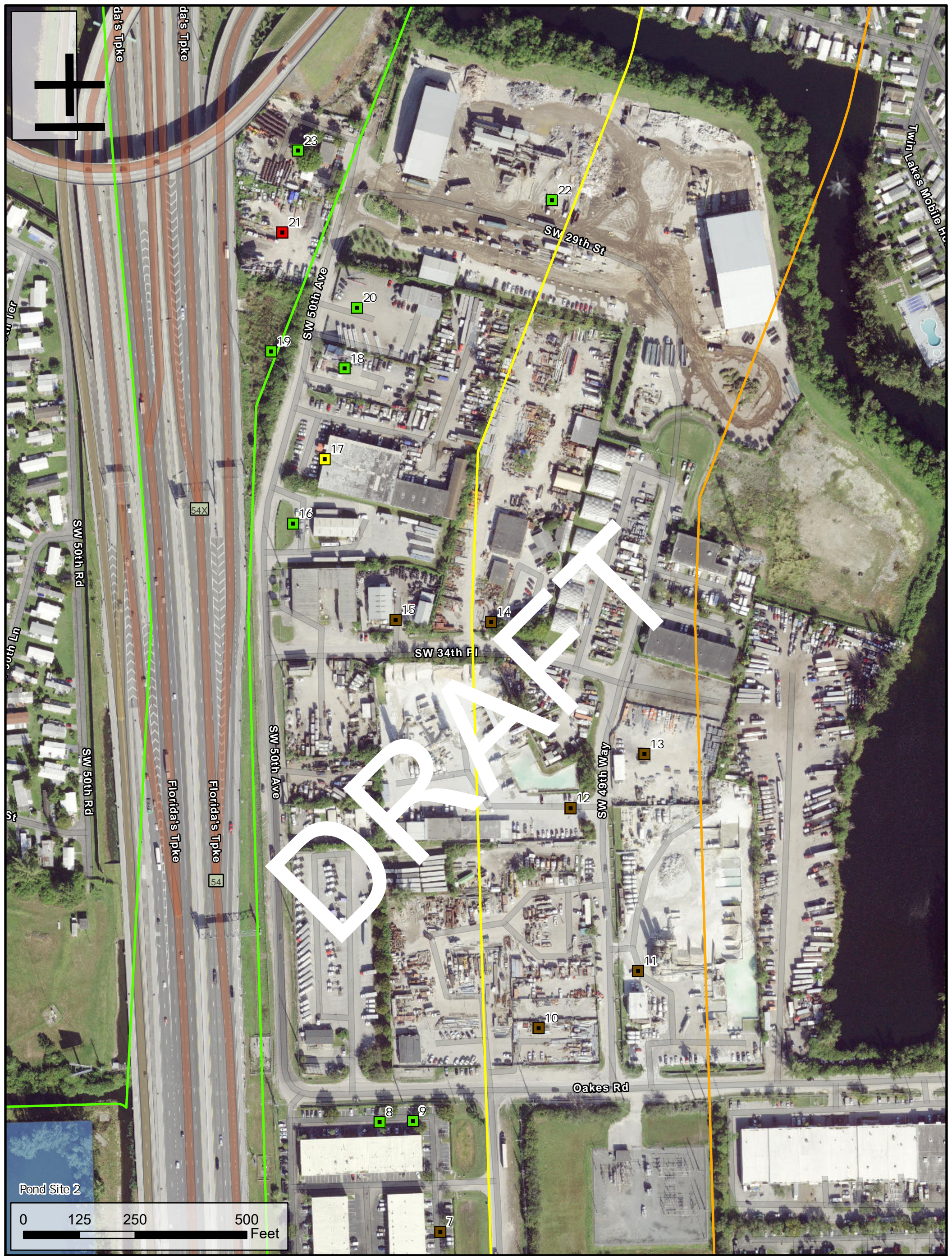
Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- Inset Map Sectors with ID
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number

Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-3  
Map Sector 1A

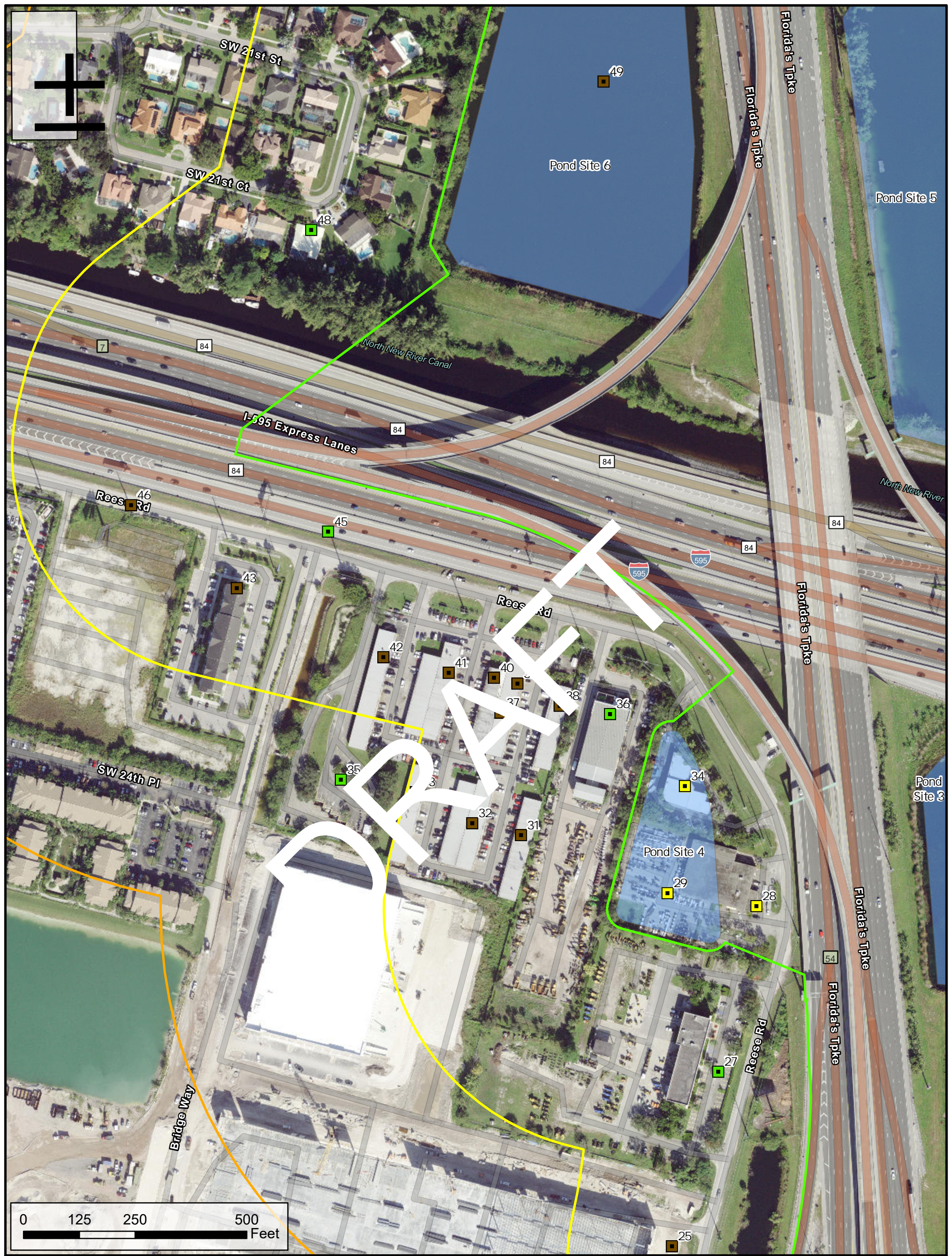


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EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)

- Legend
- Project Limits
  - 500 Foot Buffer
  - 1,000 Foot Buffer
  - 0.5 Mile Buffer
  - Proposed Ponds
  - 4 Low Risk Rating with Site Number
  - 17 Medium Risk Rating with Site Number
  - 21 High Risk Rating with Site Number
  - 1 No Risk Rating with Site Number





Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)

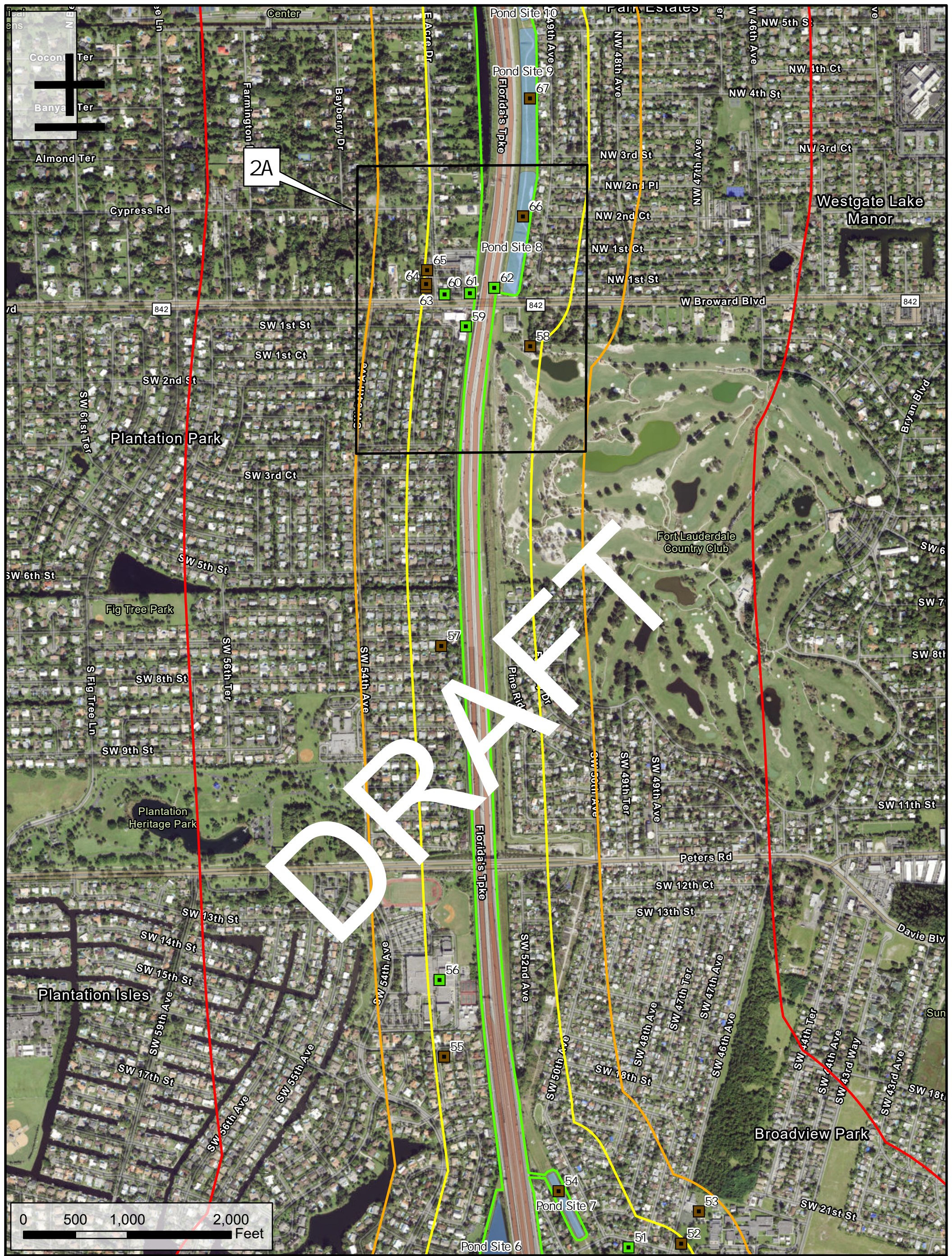
# Potential Contamination Sites Florida's Turnpike Mainline Widening from South of I-595 to Wiles Road

Figure B-4  
Map Sector 1B

## Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-5  
Map Sector 2

Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- Inset Map Sectors with ID
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number

Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)





Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)

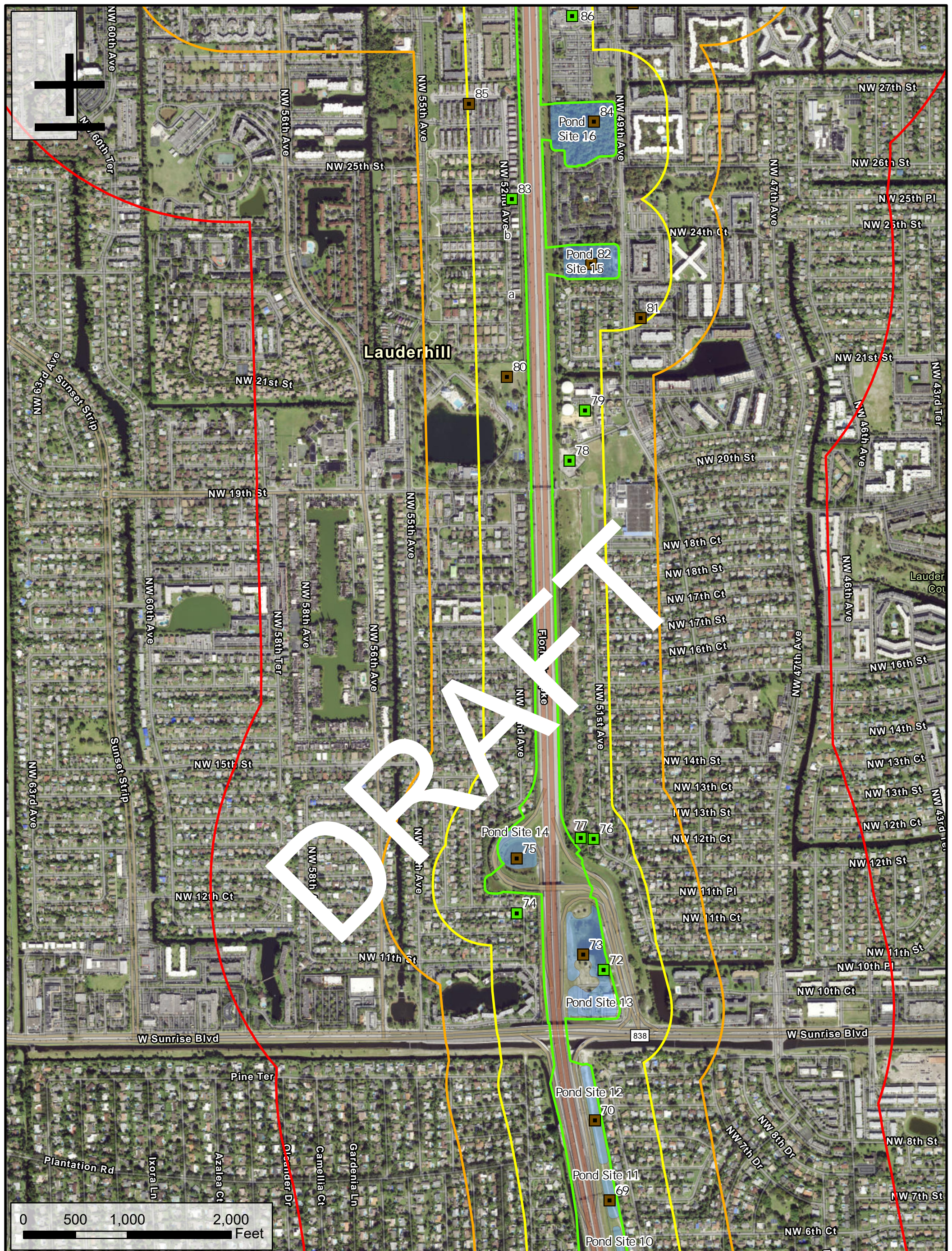
## Potential Contamination Sites Florida's Turnpike Mainline Widening from South of I-595 to Wiles Road

Figure B-6  
Map Sector 2A

### Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-7  
Map Sector 3

Legend

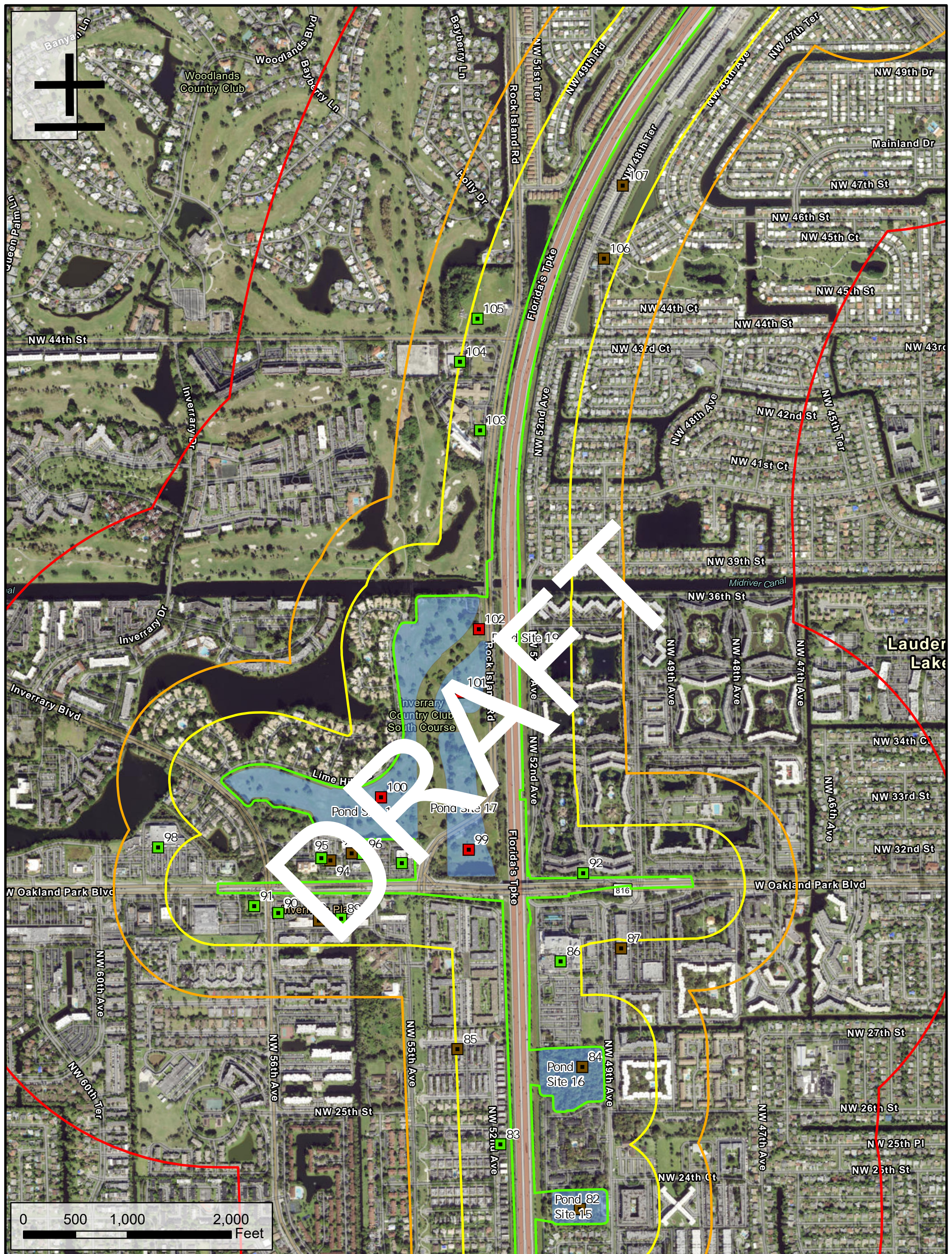
- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number



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EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-8  
Map Sector 4

Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number

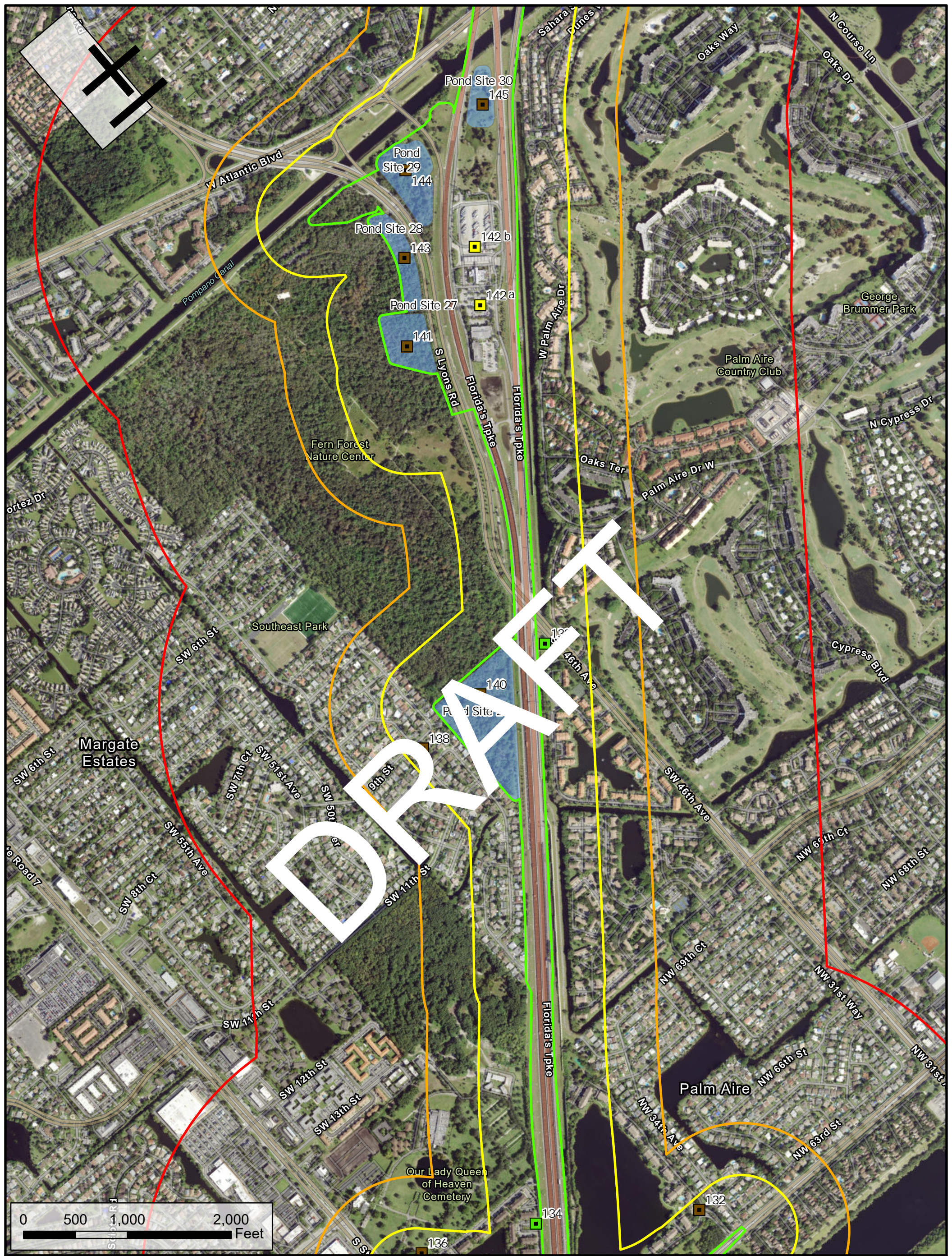
Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)









## Potential Contamination Sites Florida's Turnpike Mainline Widening from South of I-595 to Wiles Road

Figure B-10  
Map Sector 6

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EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)

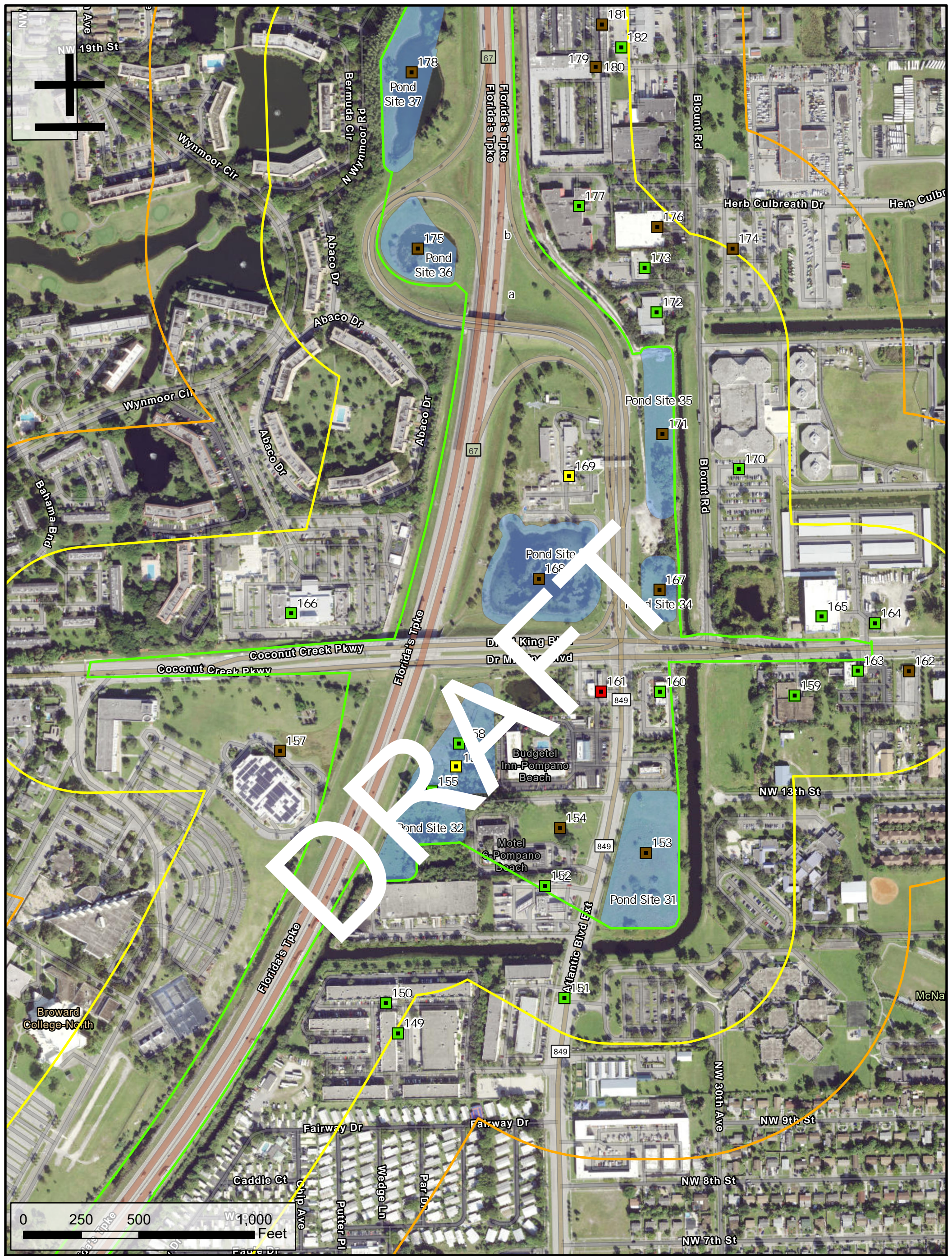
### Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 ■ Low Risk Rating with Site Number
- 17 ■ Medium Risk Rating with Site Number
- 21 ■ High Risk Rating with Site Number
- 1 ■ No Risk Rating with Site Number









Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-12  
Map Sector 7A

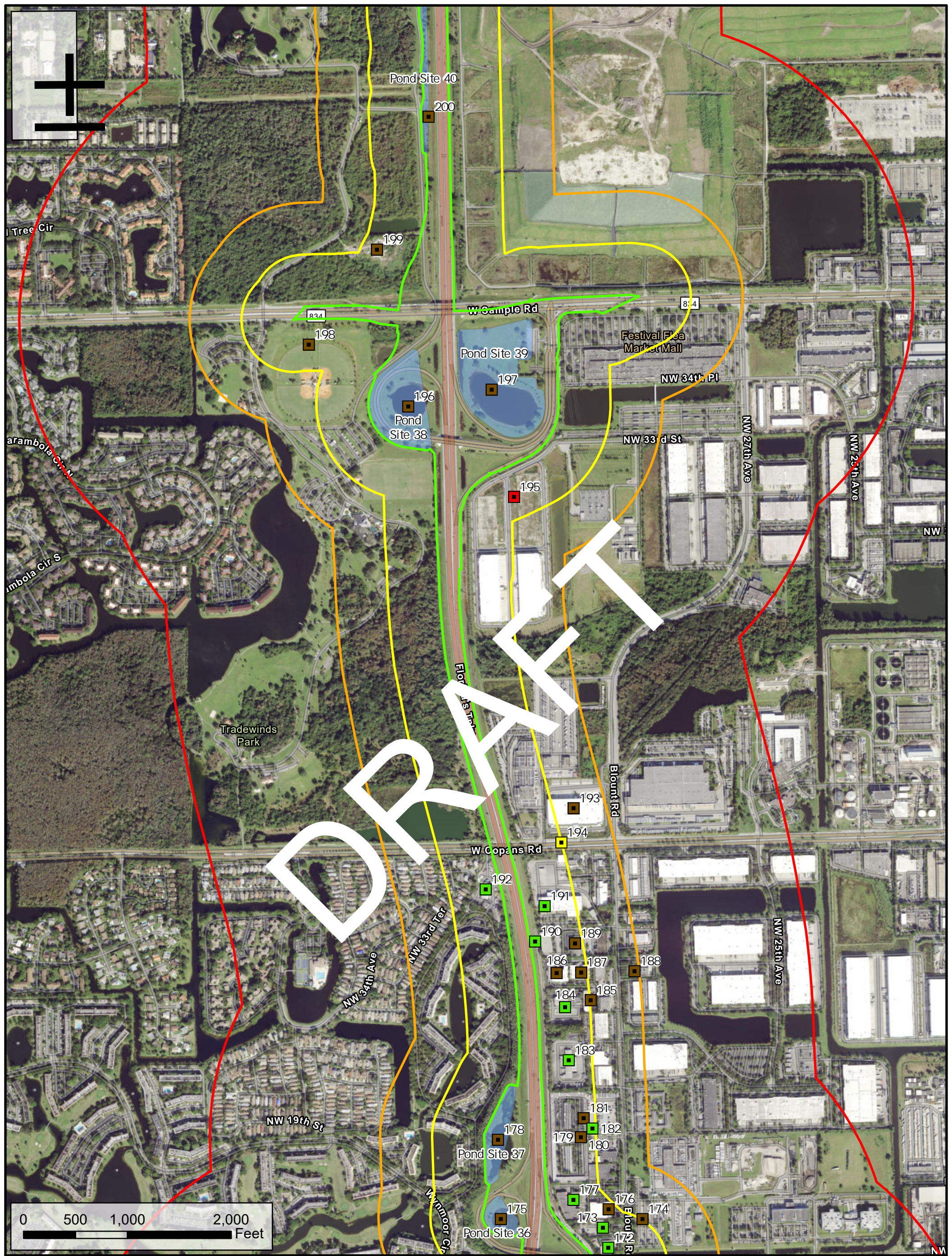
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- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number

Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)





Potential Contamination Sites  
Florida's Turnpike Mainline Widening from  
South of I-595 to Wiles Road

Figure B-13  
Map Sector 8

Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number

Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)





Draft/subject to change

EDR (25 October 2022)  
Site Reconnaissance (Week of 7 November 2022)

## Potential Contamination Sites Florida's Turnpike Mainline Widening from South of I-595 to Wiles Road

Figure B-14  
Map Sector 9

### Legend

- Project Limits
- 500 Foot Buffer
- 1,000 Foot Buffer
- 0.5 Mile Buffer
- Proposed Ponds
- 4 Low Risk Rating with Site Number
- 17 Medium Risk Rating with Site Number
- 21 High Risk Rating with Site Number
- 1 No Risk Rating with Site Number



High Risk Rating Sites

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## Site No. 21 – Florida Petroleum Processors

### Site Assessment Map

Source: Southeast Environmental Engineers, Inc., August 31, 1987

- Attachment #34 – Dissolved Contaminant Plume Map

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## Site No. 161 – Amerika Gas

### Site Assessment Maps

Source: Operations and Maintenance Report, July 2022, Agua Environmental Consulting

- Figure 4 – Estimated Lateral extent of PAHs Exceeding GCTLs, July 2022

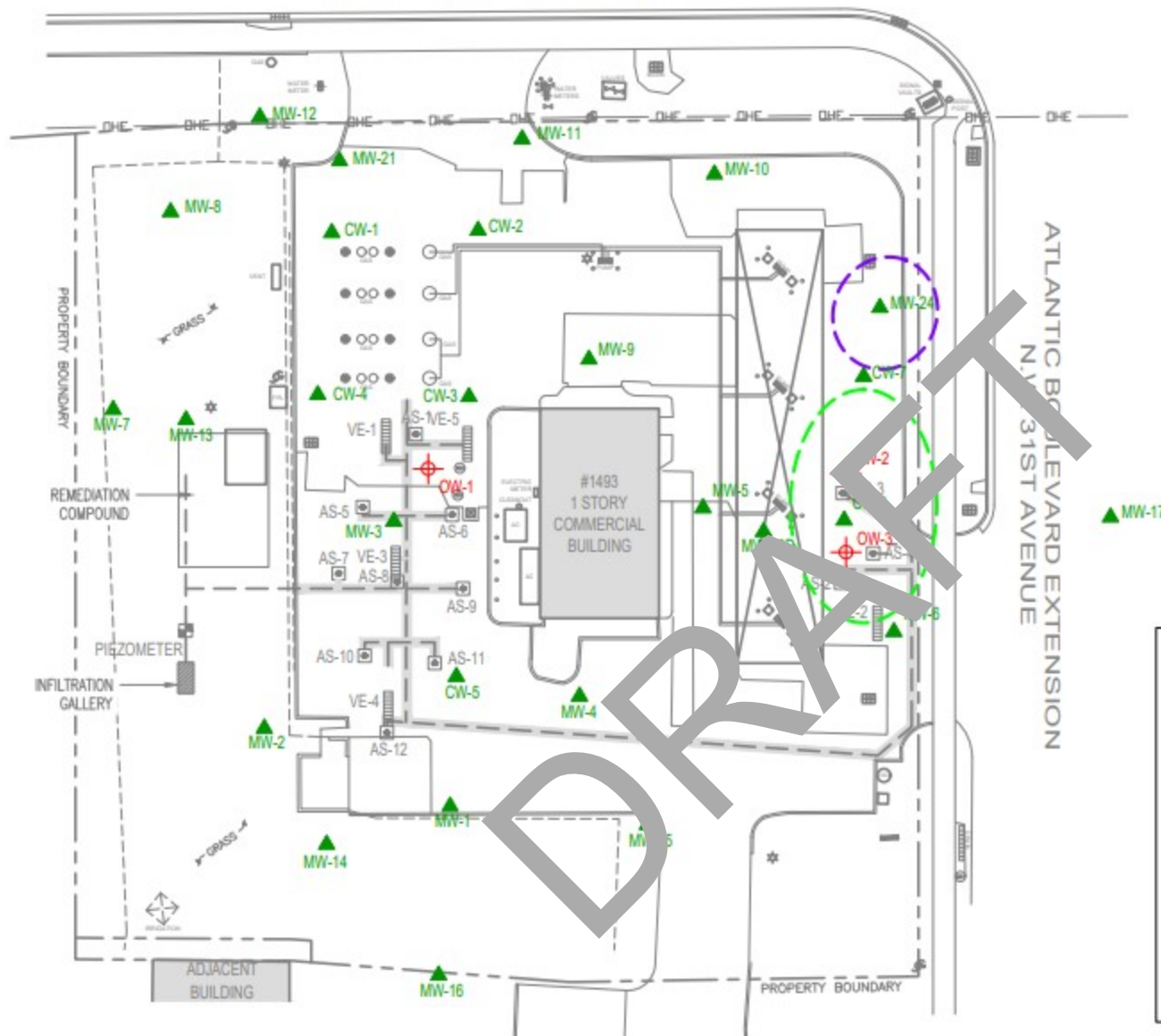
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STATE ROAD 814  
HAMMONDVILLE ROAD  
(MARTIN LUTHER KING BLVD)



GRAPHIC SCALE

0 20 40  
1 Inch = 40 Ft.



### LEGEND

- VAPOR EXTRACTION WELL LOCATION
- AIR SPARGE WELL LOCATION
- OBSERVATION WELL LOCATION
- MONITORING WELL LOCATION
- PIEZOMETER
- 512 LINEAR FEET OF INSTALLED PIPING
- 945 SQUARE FEET OF CONCRETE PAVING
- ESTIMATED LATERAL EXTENT OF NAPHTHALENES EXCEEDING GCTLs
- ESTIMATED LATERAL EXTENT OF BAPs EXCEEDING GCTLs



6216 NW 43rd Street  
Suite B  
Gainesville, FL 32653  
Phone: (352) 745- 7733

Project Manager: James Hirsch

Scale: As Noted

Drn By:	R.T.	Drn Date:	7/26/2022
Chk By:	J.H.	Chk Date:	7/26/2022
Appvd By:	J.H.	Appvd Date:	7/26/2022

Figure 4

Estimated Lateral Extent of PAHs Exceeding GCTLs  
(July 2022)

Amerika Site  
1493 NW 31st Avenue  
Pompano Beach, Florida  
FDEP Id# 06/8502195

Draft/subject to change

## Site Nos. 201/203 – CDSL Power Production and Central Sanitary Landfill

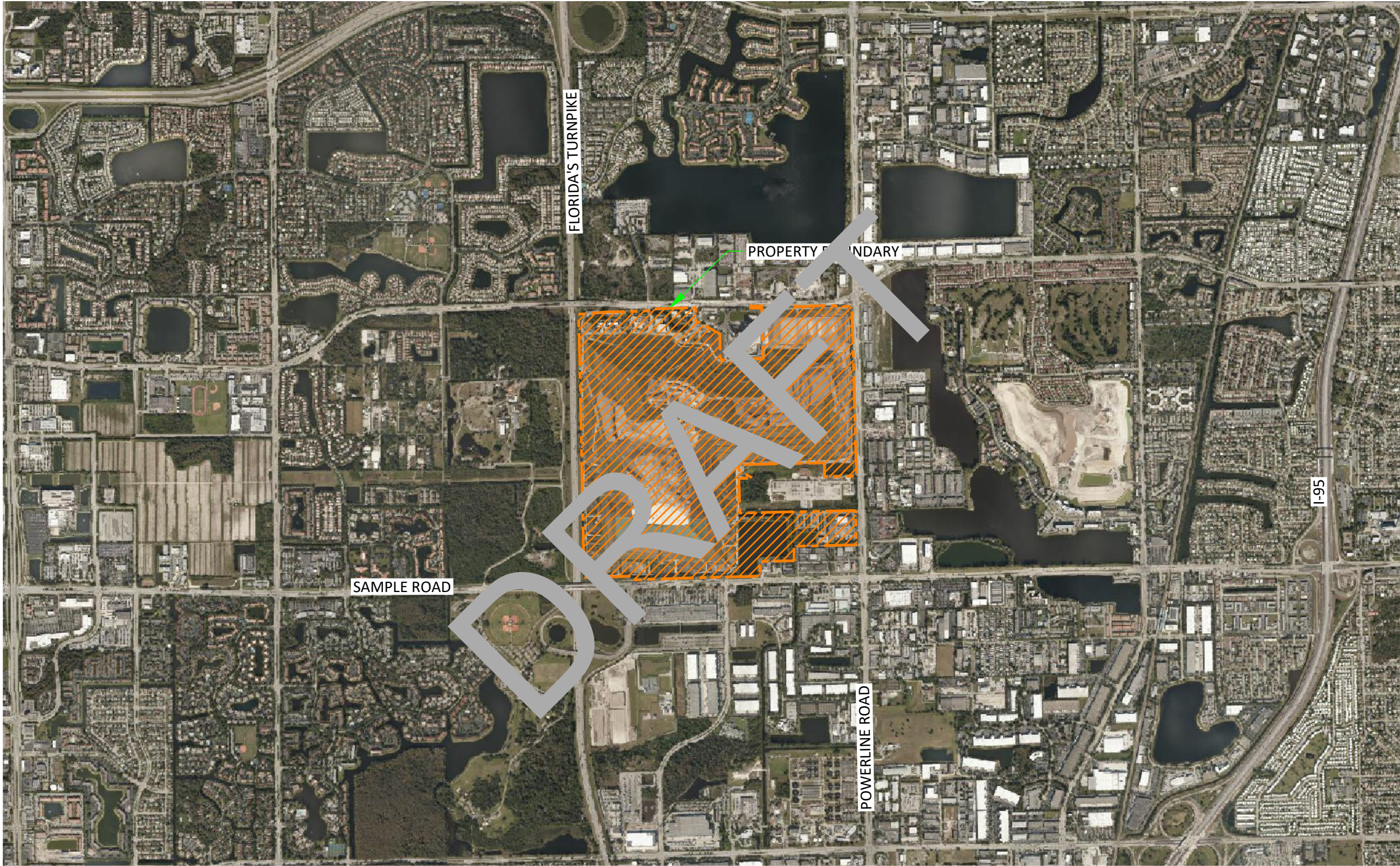
### Site Assessment Maps

Source: First 2022 Semiannual Water Quality Monitoring Report, July 2022, SCS Engineers

- Figure 1 – Site Location Map, May 2022
- Figure 2 – Monitoring Well Location Map, April 2022
- Figure 3 – Groundwater Contour Map for Shallow Monitoring Wells, April 2022
- Figure 4 – Groundwater Contour Map for Intermediate Monitoring Wells, April 2022
- Figure 5 – Groundwater Contour Map for Deep Monitoring Wells, April 2022
- Table 2 – Groundwater Monitoring Data
- Table 3 – Summary of Detected Groundwater Parameters

DRAFT





- NOTES:
1. PROPERTY LINE LOCATION SHOWN IN THIS DRAWING WAS SUPERIMPOSED ONTO THE AERIAL MAP AT ITS APPROXIMATE LOCATION FOR PRESENTATION PURPOSES.

FIGURE 1. SITE LOCATION MAP, MONARCH HILL, POMPAÑO BEACH, FLORIDA



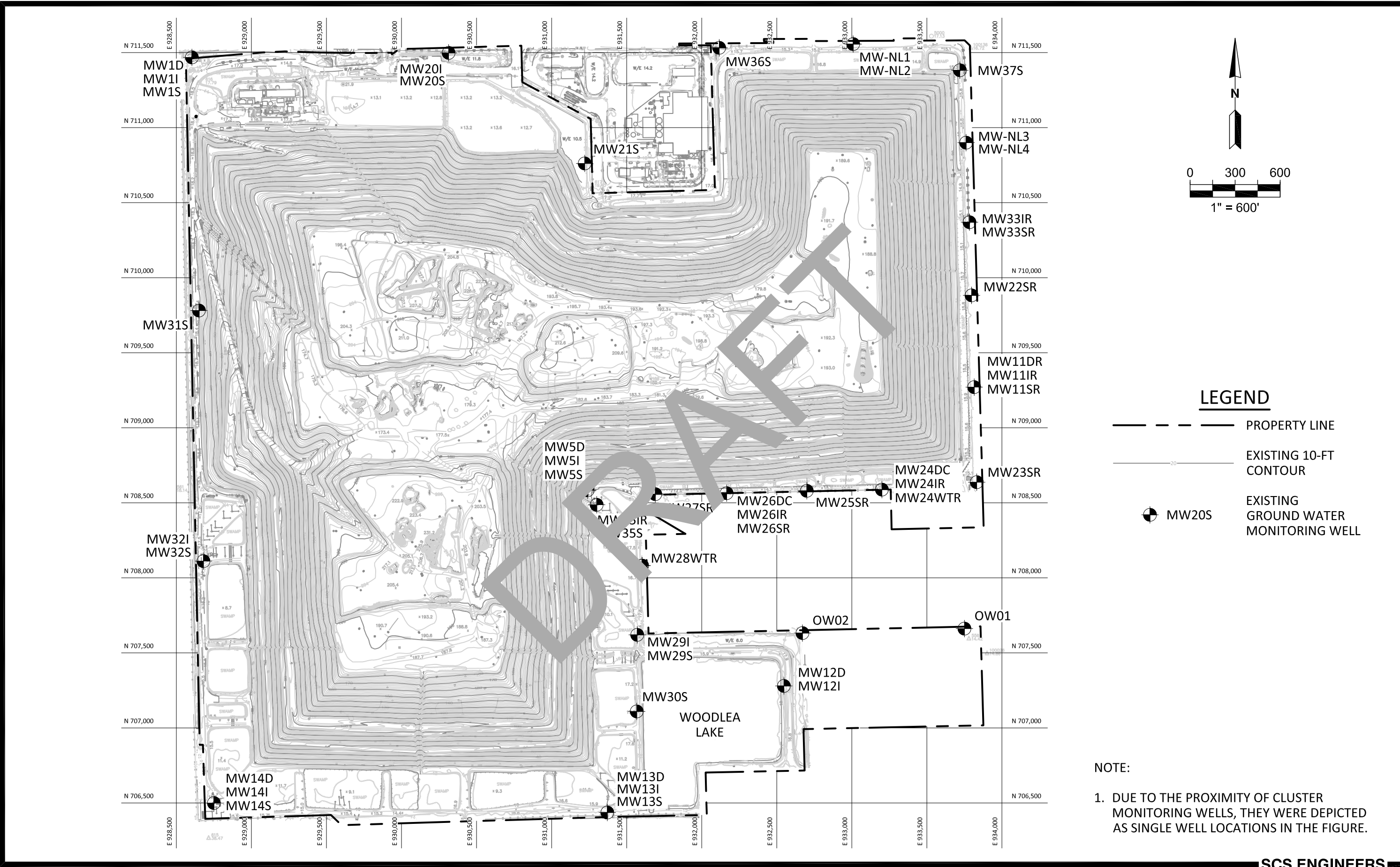
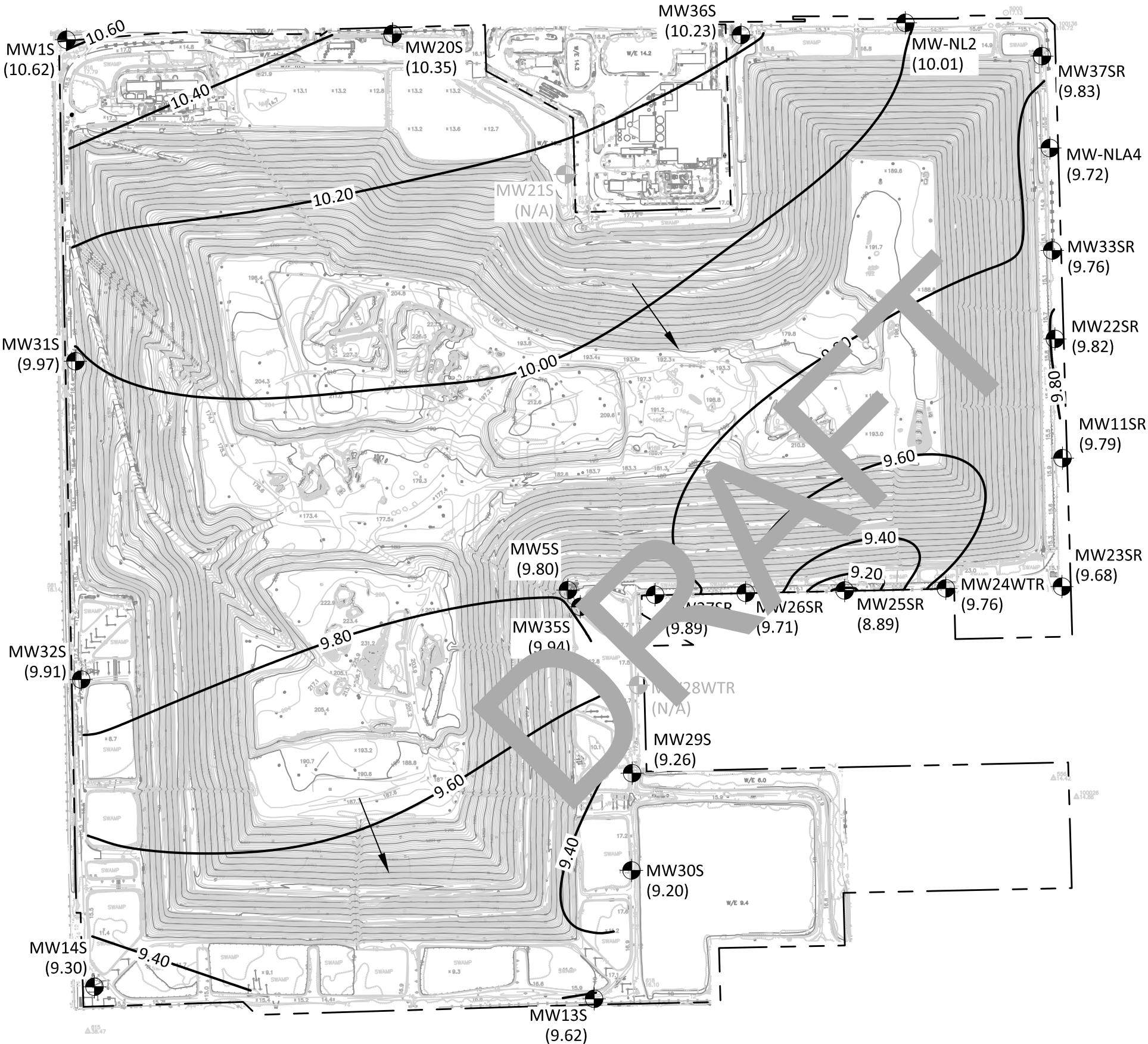


FIGURE 2. MONITORING WELL LOCATION MAP, APRIL 2022, MONARCH HILL, POMPAÑO BEACH, FLORIDA





N

0

300

600

1" = 600'

LEGEND

PROPERTY LINE

EXISTING 10-FT CONTOUR

MW20S  
(10.35)

EXISTING GROUNDWATER  
MONITORING WELL WITH  
GROUNDWATER ELEVATION (FT  
NGVD) IN PARENTHESES

GROUNDWATER FLOW  
DIRECTION

9.40

GROUNDWATER ELEVATION  
CONTOUR

NOTES:

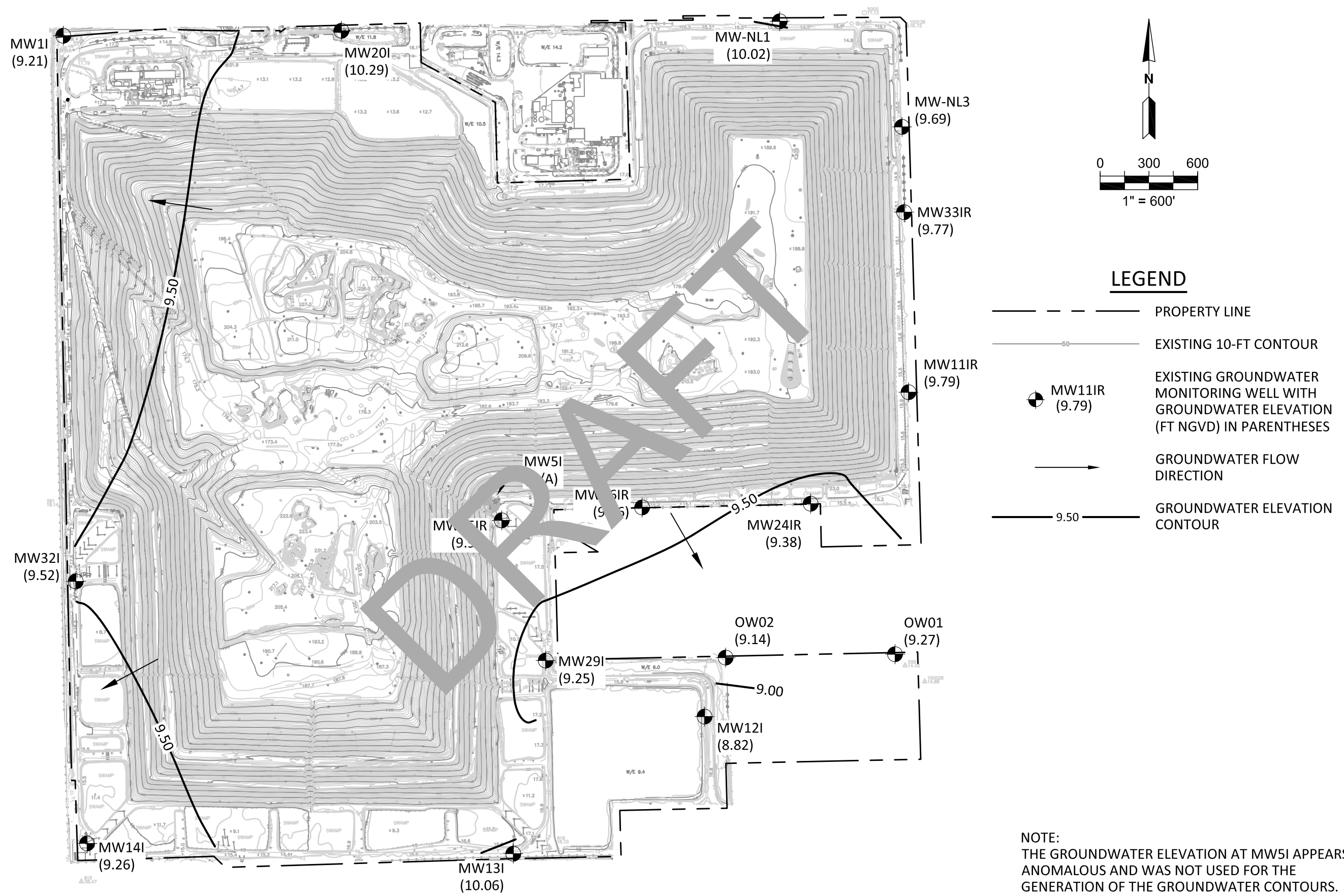
1. THE GROUNDWATER ELEVATION IN WELL MW21S APPEARS ANOMALOUS AND WAS NOT USED IN THE PREPARATION OF THE CONTOURS.
2. THE GROUNDWATER ELEVATION FOR MW28WTR WAS NOT POSSIBLE TO OBTAIN DUE TO A BEND IN THE WELL CASING AND THEREFORE WAS NOT USED IN THE PREPARATION OF CONTOURS.

SCS ENGINEERS

FIGURE 3. GROUNDWATER CONTOUR MAP FOR SHALLOW MONITORING WELLS, APRIL 2022, MONARCH HILL, POMPAÑO BEACH, FLORIDA

Draft/subject to change





**SCS ENGINEERS**  
FIGURE 4. GROUNDWATER CONTOUR MAP FOR INTERMEDIATE MONITORING WELLS, APRIL 2022, MONARCH HILL, POMPANO BEACH, FLORIDA

Draft/subject to change



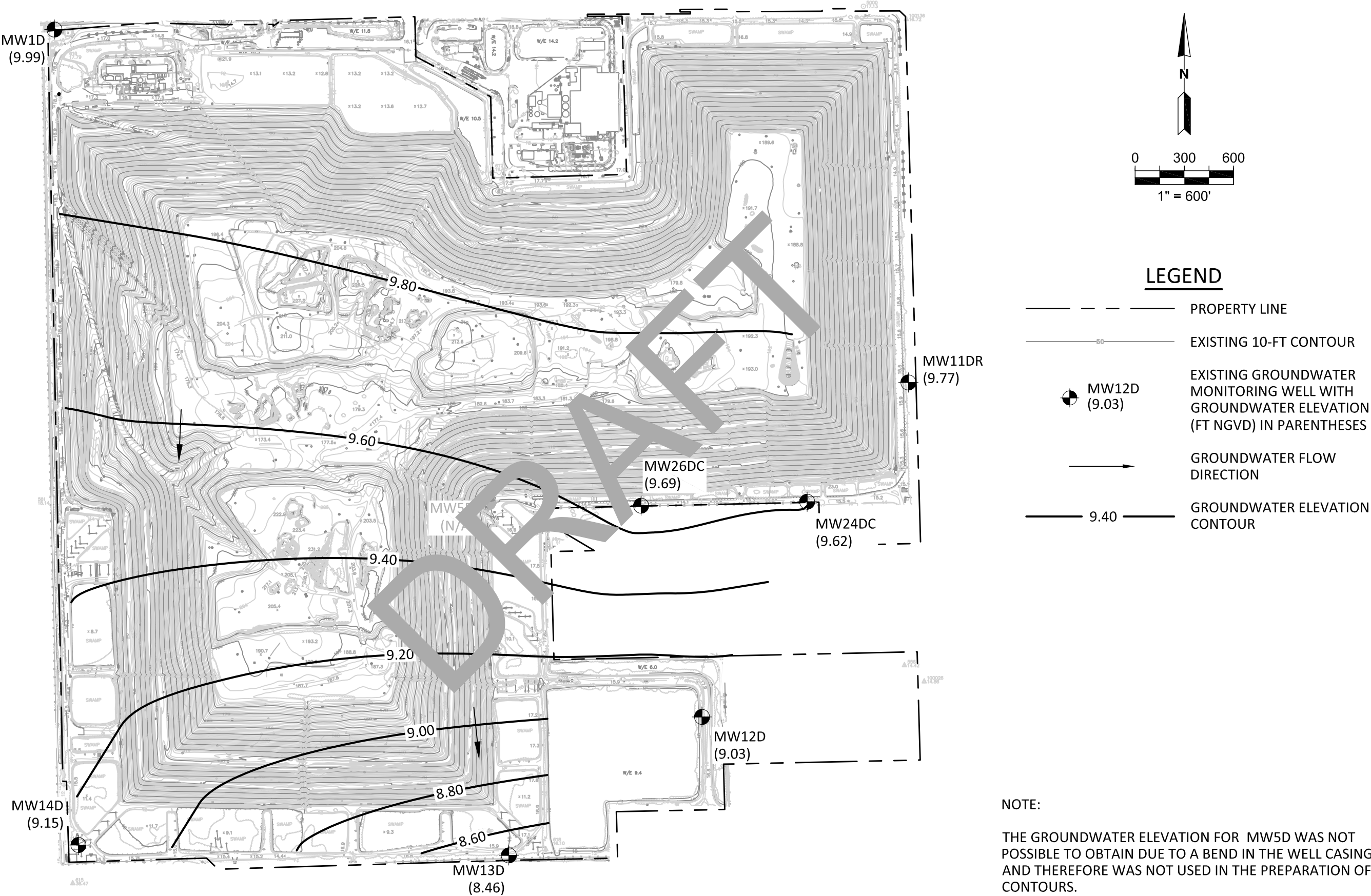


FIGURE 5. GROUNDWATER CONTOUR MAP FOR DEEP MONITORING WELLS, APRIL 2022, MONARCH HILL, POMPAÑO BEACH, FLORIDA



**Table 2. Groundwater Monitoring Data  
Monarch Hill - April 2022  
First 2022 Semiannual Monitoring Event**

WELL NUMBER	TOP OF CASING (FT. NGVD 29)	DEPTH TO WATER (FT.)	WATER ELEVATION (FT. NGVD 29)
MW1D	17.39	7.40	9.99
MW1I	17.61	8.40	9.21
MW1S	17.62	7.00	10.62
MW5D <sup>1</sup>	24.16	NA	NA
MW5I	24.19	13.60	10.59
MW5S	24.30	14.50	9.80
MW11DR	17.63	7.86	9.77
MW11IR	17.93	8.14	9.79
MW11SR	18.09	8.30	9.79
MW12D	18.05	9.02	9.03
MW12I	17.72	8.90	8.82
MW13D	19.36	10.90	8.46
MW13I	20.06	10.00	10.06
MW13S	20.27	10.65	9.62
MW14D	19.50	10.35	9.15
MW14I	19.37	10.11	9.26
MW14S	18.95	9.65	9.30
MW20I	20.92	10.63	10.29
MW20S	21.00	10.50	10.35
MW21S <sup>2</sup>	24.61	NA	NA
MW22SR	18.08	8.56	9.82
MW23SR	18.63	8.90	9.68
MW24DC	16.49	6.87	9.62
MW24IR	17.16	7.78	9.38
MW24WTR	17.94		9.76
MW25SR	17.52	8.63	8.89
MW26DC	17.17	7.49	9.69
MW26IR	17.32	7.66	9.66
MW26SR	17.38	7.67	9.71
MW27SR	17.77	7.65	9.89
MW28WTR <sup>1</sup>	17.89	NA	NA
MW29I	19.01	9.76	9.25
MW29S	19.09	9.83	9.26
MW30S	18.95	9.70	9.20
MW31S	20.97	11.00	9.97
MW32I	20.52	10.46	10.06
MW32S	19.14	9.23	9.91
MW33I	17.77	8.00	9.77
MW33SR	17.68	7.92	9.76
MW35IR	19.29	9.39	9.90
MW35S	19.07	9.13	9.94
MW36S	18.67	8.44	10.23
MW37SR	18.54	8.71	9.83
MWNL1	18.73	8.71	10.02
MWNL2	18.57	8.56	10.01
MWNL3	19.13	9.44	9.69
MWNL4	18.72	9.00	9.72
OW01	17.69	8.42	9.27
OW02	18.03	8.89	9.14
MW-SL2	17.63	7.92	9.71
MW-SL3	18.91	9.33	9.58
MW-SL4	18.98	9.39	9.59

Notes:

<sup>1</sup> Wells MW-05D and MW28WTR were discovered to have a bend in each well. Therefore, water elevation readings could not be obtained because the probe could not pass the bend.

<sup>2</sup> Well MW-215 was removed prior to the First 2022 semiannual sampling event.

**Table 3. Summary of Detected Groundwater Monitoring Parameters**  
**Monarch Hill - April 2022**  
**Second 2021 Semiannual Monitoring Event**

DETECTED PARAMETER	CRITERIA	UNITS	MONITORING WELL NUMBER															
	PDWS		MW1D	MW1I	MW1S	MW5D	MW5I	MW5S	MW11DR	MW11IR	MW11SR	MW12D	MW12I	MW13D	MW13I	MW13S	MW14D	MW14I
Field Parameters																		
Field Conductivity		µmhos/cm	638	592	476	841	6010	5710	727	855		696	863	788	879	612	833	902
Field Temperature		°C	26.5	26.3	26.2	35.5	36.5	38.7	28.5	28.4	28.1	27.7	26.6	26.5	26.5	26.8	25.9	26.1
Field pH		pH units	7.04	7.02	7.22	6.92	6.95	6.98	7.05	7.19	7.34	7.31	6.91	7.01	6.81	7.01	6.87	6.86
Field Dissolved Oxygen		mg/L	0.3	0.2	0.6	0.3	0.2	0.3	0.3	0.3		1.3	0.3	1.2	0.9	3.1	0.3	0.6
Field Turbidity		NTUs	1.6	3.8	2.5	4.5	2.8	2.6	4.3	3.6	3.6	2.6	3.3	3.3	4.6	2.5	3.1	2.4
Laboratory Parameters																		
Aluminum		mg/L	NT	NT	<0.2	NT	NT	<0.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ammonia as N		mg/L	0.345	1.37	0.9	0.61	233	244	218	4.26	1.55	0.247	0.465	0.895	0.615	1.14	1.83	
Antimony	0.006	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	0.01	mg/L	<0.002	<0.002	<0.002	<0.002	0.00502	0.00674	<0.002	0.0316	<0.002	<0.002	<0.002	<0.002	<0.002	0.00409	<0.002	<0.002
Barium	2.00	mg/L	0.0356	0.0348	0.0137	0.0447	0.526	0.116	0.0951	0.0333	0.0285	0.0369	0.0546	0.0439	0.0777	0.0119	0.0406	0.0482
Chloride		mg/L	31.3	30	38.2	70.4	960		104		35.9	44.4	53.8	47.1	49.8	11.9	67.3	82
Chromium	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.0005	0.0005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt		mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Iron		mg/L	<0.100	0.12	0.118	<0.100	1.6	<0.010	0.100	0.100	<0.100	1.42	3.46	1.25	4.11	2.1	1.27	1.15
Lead	0.015	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	0.0312	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate	10	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.128	<0.1	<0.1	<0.1
Selenium	0.05	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sodium	160	mg/L	18.5	17.4	17	32		52	41.1	59.5	30.4	28.4	34.4	29.1	15.6	7.08	28	38.2
Sulfate		mg/L	NT	NT	<5.0	NT	NT	<5.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Dissolved Solids		mg/L	385	185	300			2560	487	563	465	437	540	520	599	374	551	588
Vanadium		mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc		mg/L	<0.050	<0.050	0.0576	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzene	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.00726	0.00938	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	0.1	mg/L	<0.0005	<0.0005	<0.0005	0.000515	0.0197	0.0188	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	0.6	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.000618	0.000652	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	0.075	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.00363	0.00479	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	0.07	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.000681	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	0.7	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.00103	0.0106	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	1	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.00104	0.00174	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	0.000581	0.00158	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Xylenes (Total)	10	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	0.00306	0.0055	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015

Notes:  
<sup>1</sup> NT = Not tested  
<sup>2</sup> Shaded cells represent exceedances of regulatory criteria



**Table 3. Summary of Detected Groundwater Monitoring Parameters**  
**Monarch Hill - April 2022**  
**Second 2021 Semiannual Monitoring Event**

DETECTED PARAMETER	CRITERIA	UNITS	MONITORING WELL NUMBER														
	PDWS		MW14S	MW20I	MW20S	MW21S	MW22SR	MW23SR	MW24IR	MW24WTR	MW25SR	MW26IR	MW26SR	MW27SR	MW28WTR	MW29I	MW29S
Field Parameters																	
Field Conductivity		µmhos/cm	649	583	443	581	843	437	808	455	979	634	617	959	1260	679	685
Field Temperature		°C	26.4	25.5	25.3	28.0	27.5	27.4	32.0	33.0	31.6	31.4	32.0	31.3	26.0	25.8	25.9
Field pH		pH units	6.95	6.79	7.18	6.95	7.44	7.15	7.24		7.04	6.86	7.08	6.82	7.08	7.10	7.23
Field Dissolved Oxygen		mg/L	0.3	0.5	0.9	0.3	0.5	0.4	0.2	0.9	0.2	0.3	0.5	0.3	0.3	0.3	0.3
Field Turbidity		NTUs	1.6	2.4	1.6	4.7	1.4	3.6	4.8	4.8	3	3.8	1.5	2.7	3.2	2.6	1.3
Laboratory Parameters																	
Aluminum		mg/L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.2	<0.2	NT	NT
Ammonia as N		mg/L	0.904	2.46	0.231	0.175	4.23	0.418	20	0.1	5.76	3.24	9.33	9.62	2.6	0.229	3.73
Antimony	0.006	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	0.01	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0021	<0.002	<0.002	<0.002
Barium	2.00	mg/L	0.0704	0.0257	0.0477	0.0551	0.0167	0.00645	0.03	0.0155	0.0189	0.0238	0.0377	0.0289	0.0147	0.0349	0.0246
Chloride		mg/L	32.3	16.3	17.8	4.86	39.8	39.9	88.1	3.83	66.2	41.3	64.9	114	94.8	46	35.2
Chromium	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt		mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Iron		mg/L	0.372	7.54	0.999	1.85	<0.100	86	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.873	<0.100
Lead	0.015	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate	10	mg/L	<0.1	<0.1	0.223	0.1	<0.1	<0.1	0.137	1.34	0.226	0.148	0.559	<0.1	<0.1	<0.1	<0.1
Selenium	0.05	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0104	<0.010	<0.010
Sodium	160	mg/L	18.3	11.7	14.4		37.7	3	59.1	4.17	47.6	25.6	32.9	58.7	80.7	21.7	26
Sulfate		mg/L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<5.0	33.6	NT	NT
Total Dissolved Solids		mg/L	420	356		361	573	274	428	274	584	399	392	708	807	439	442
Vanadium		mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0206	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc		mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzene	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	0.1	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000831	<0.0005	<0.0005
1,2-Dichlorobenzene	0.075	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	0.075	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
cis-1,2-Dichloroethene	0.07	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	0.7	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	1	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Vinyl Chloride	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Xylenes (Total)	10	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015

Notes:

<sup>1</sup> NT = Not tested

<sup>2</sup> Shaded cells represent exceedances of regulatory criteria

**Table 3. Summary of Detected Groundwater Monitoring Parameters**  
**Monarch Hill - April 2022**  
**Second 2021 Semiannual Monitoring Event**

DETECTED PARAMETER	CRITERIA	UNITS	MONITORING WELL NUMBER												
	PDWS		MW30S	MW31S	MW32I	MW32S	MW33IR	MW33SR	MW35IR	MW35SR	MW36S	MW37SR	MWNL2	MWNL4	OW01
Field Parameters															
Field Conductivity		µmhos/cm	1690	404	703	440	919	619	4250	3360	970	784	654	708	367
Field Temperature		°C	27.1	28.4	27.8	28.5	27.3	27.3	29.1	31.3	26.4	27.7	26.7	28.4	27.6
Field pH		pH units	6.84	6.64	6.97	7.15	7.13	7.23	7.23	6.86	6.90	6.97	7.17	7.36	7.48
Field Dissolved Oxygen		mg/L	0.5	0.3	0.5	0.3	1.3	1.2	0.2	0.4	0.4	0.4	0.4	0.2	0.4
Field Turbidity		NTUs	1.7	1.6	3.4	0.4	4.9	2.4	2.5	1.7	4.8	3.4	4.6	3.3	3.5
Laboratory Parameters															
Aluminum		mg/L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ammonia as N		mg/L	2.86	0.506	0.868	1	2.49	6.3	NT	112	5.46	2.61	0.313	4.1	NT
Antimony	0.006	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NT	NT	<0.002	<0.002	<0.002	<0.002	NT
Arsenic	0.01	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NT	<0.002	<0.002	<0.002	0.00527	<0.002	NT
Barium	2.00	mg/L	0.139	0.00826	0.0553	0.0251	0.0583	0.011	NT	NT	0.0493	0.0335	0.0181	0.0175	NT
Chloride		mg/L	96.3	8.02	18.4	6.4	12.7	38.6	NT	437	33.2	28.6	22.8	64.5	NT
Chromium	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NT	NT	<0.010	<0.010	<0.010	<0.010	NT
Cobalt		mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NT	NT	<0.010	<0.010	<0.010	<0.010	NT
Iron		mg/L	1.23	<0.100	0.682	1.07	1.00	<0.100	NT	NT	1.67	<0.100	3.51	<0.100	NT
Lead	0.015	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NT	<0.005	<0.005	<0.005	<0.005	NT
Nickel	0.1	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NT	NT	<0.010	<0.010	<0.010	<0.010	NT
Nitrate	10	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NT	NT	<0.1	<0.1	<0.1	<0.1	NT
Selenium	0.05	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NT	NT	<0.010	<0.010	<0.010	<0.010	NT
Sodium	160	mg/L	56.6	8.09	11.6	9.13	12.6	21.9	356	219	22.2	22.2	15.9	40.8	5.71
Sulfate		mg/L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Dissolved Solids		mg/L	1230	505	505	279	616	377	NT	1340	251	243	388	432	NT
Vanadium		mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NT	NT	<0.020	<0.020	<0.020	<0.020	NT
Zinc		mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NT	NT	<0.050	<0.050	<0.050	<0.050	NT
Benzene	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	0.00533	<0.0005	<0.0005	<0.0005	<0.0005	NT
Chlorobenzene	0.1	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	0.0275	<0.0005	<0.0005	<0.0005	<0.0005	NT
1,2-Dichlorobenzene	0.075	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT
1,4-Dichlorobenzene	0.075	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	0.00246	<0.0005	<0.0005	<0.0005	<0.0005	NT
cis-1,2-Dichloroethene	0.07	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	NT	<0.0005	<0.0005	<0.0005	<0.0005	NT
Ethylbenzene	0.7	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT
Toluene	1	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	0.000622	<0.0005	<0.0005	<0.0005	<0.0005	NT
Vinyl Chloride	0.001	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NT	NT	<0.0005	<0.0005	<0.0005	<0.0005	NT
Xylenes (Total)	10	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	NT	0.00225	<0.0015	<0.0015	<0.0015	<0.0015	NT

Notes:

<sup>1</sup> NT = Not tested

<sup>2</sup> Shaded cells represent exceedances of regulatory criteria



## Medium Risk Rating Sites

DRAFT

## Site No. 194 – Broward County Mass Transit

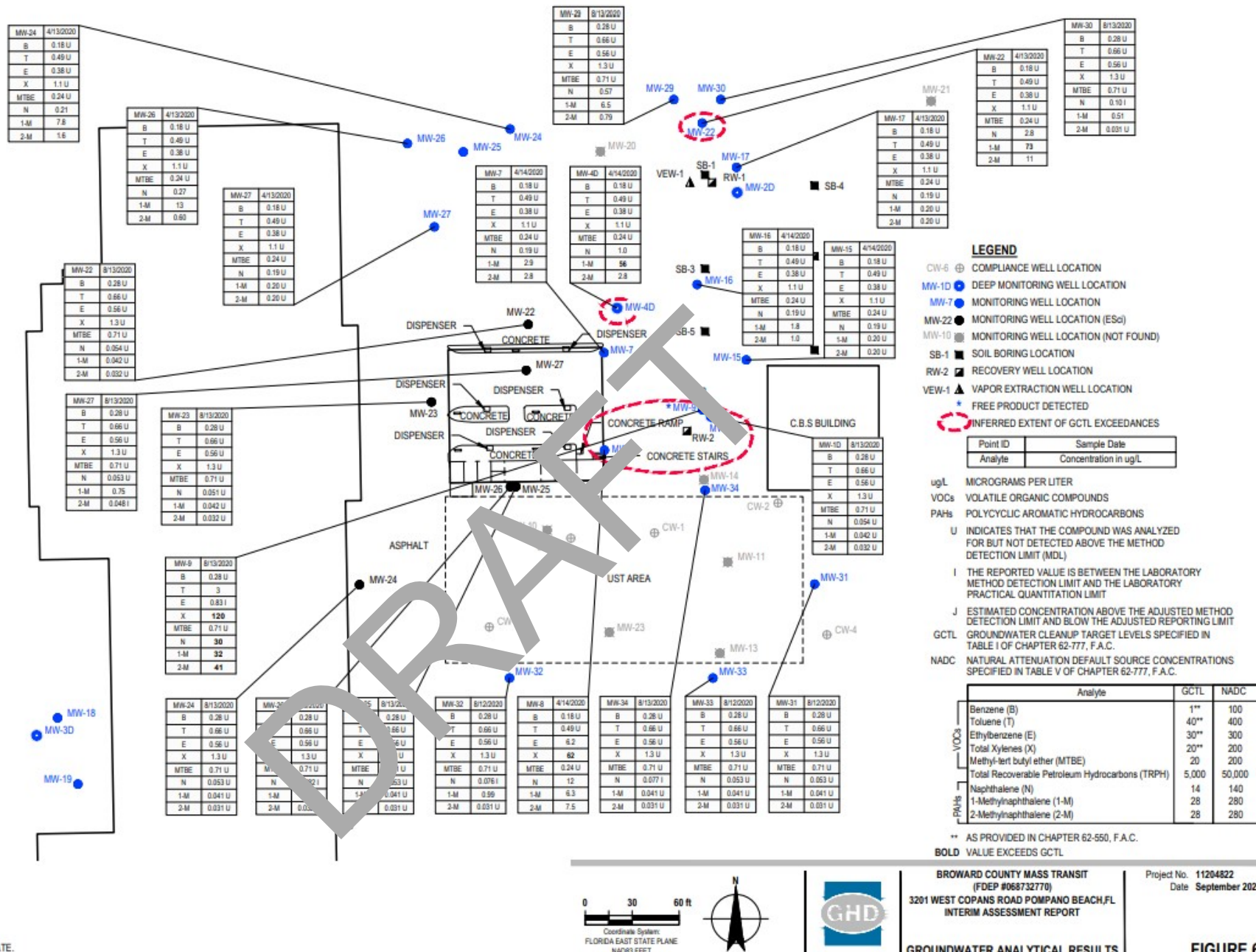
### Site Assessment Maps

Source: Interim Assessment Report, September 2020, GHD

- Figure 6 – Groundwater Analytical Results, September 2020

DRAFT





File Name: N:\GIS\Temp\Projects\BROWARD\Design\ACAD\2020\Figures\PP19021\094822\BROWARD\BROWARD.DWG  
 Plot Date: 02 September 2020 8:28 AM

Data Source: E SCIENCES, INC., FIGURE 1, SITE LAYOUT, 3201 WEST COPANS ROAD, DATED 9/16/2011.  
 PICO ENVIRONMENTAL CONSULTANTS, FIGURE 2, SITE PLAN / UTILITIES LOCATION MAP, BROWARD COUNTY MASS TRANSIT FACILITY, DATED 04/15/2020.

## Appendix C: Historical Imagery Figures

DRAFT



## **Widen Turnpike From I-595 To Wiles Road**

Turnpike From I-595 To Wiles Rd Broward & Palm Cou

Pompano Beach, FL 33069

Inquiry Number: 7150903.5

October 21, 2022

# **The EDR Aerial Photo Decade Package**



**Draft/subject to change**

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

**Date EDR Searched Historical Sources:**

Aerial Photography October 21, 2022

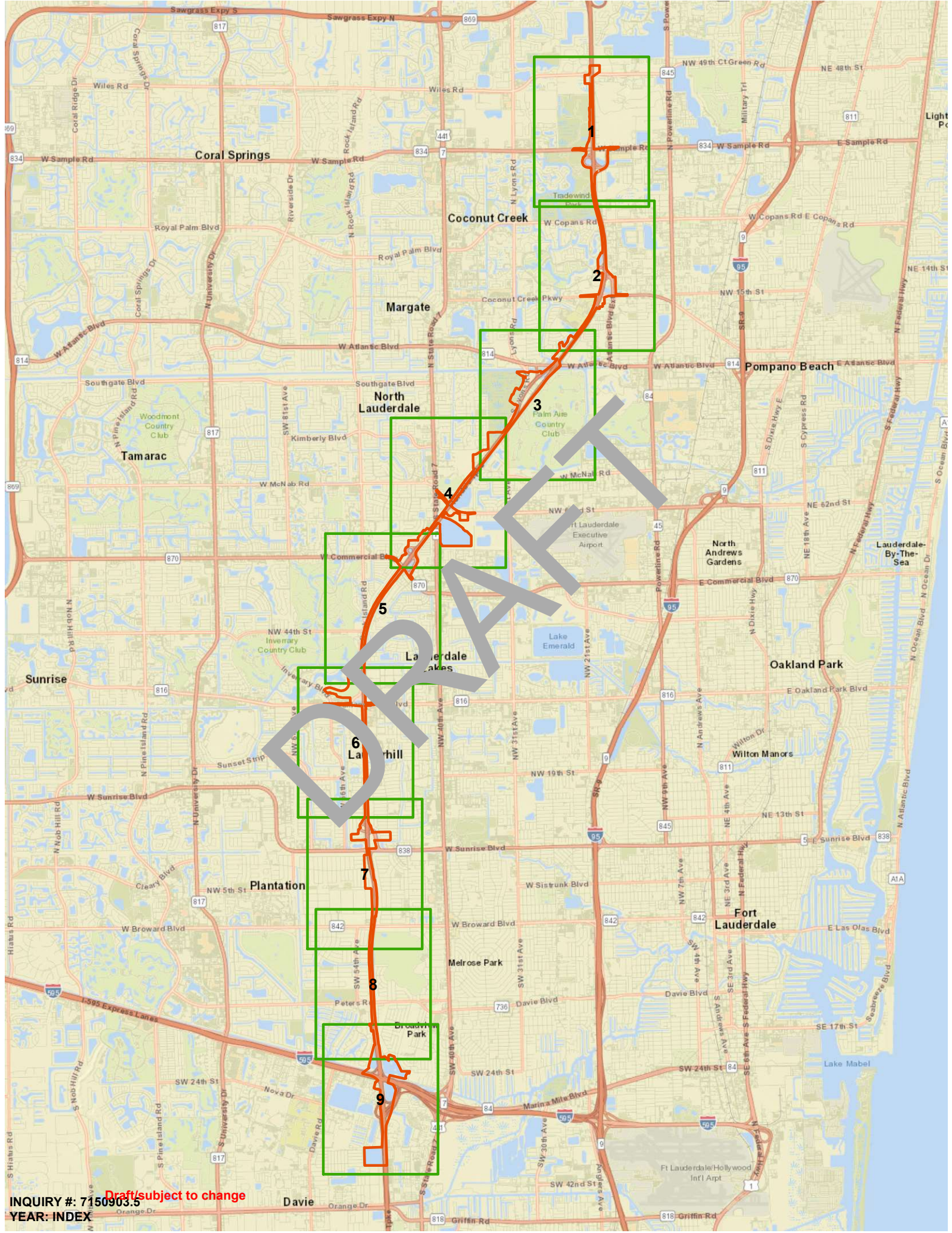
**Target Property:**

Turnpike From I-595 To Wiles Rd Broward & Palm Cou

Pompano Beach, FL 33069

<u><b>Year</b></u>	<u><b>Scale</b></u>	<u><b>Details</b></u>	<u><b>Source</b></u>
1940	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1940	U of FL
1947-1949	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1947-1949	U of FL
1952-1953	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1952-1953	USGS
1961	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1961	USGS
1969	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1969	USGS
1972	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1972	USGS
1979	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1979	USGS
1984	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1984	U of FL
1994-1995	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1994-1995	USGS/DOQQ
1999	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1999	USGS/DOQQ
2007	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2007	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2010	USDA/NAIP
2013	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2013	USDA/NAIP
2017	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2017	USDA/NAIP









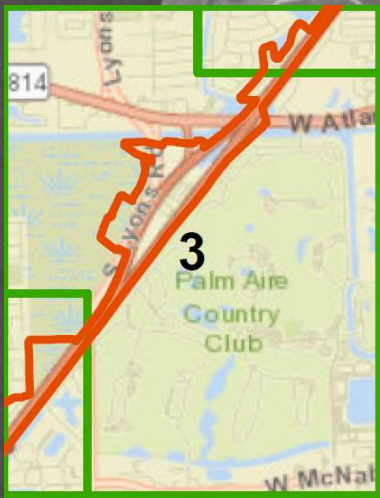
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DRAFT





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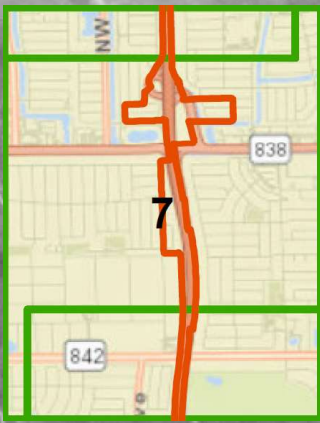
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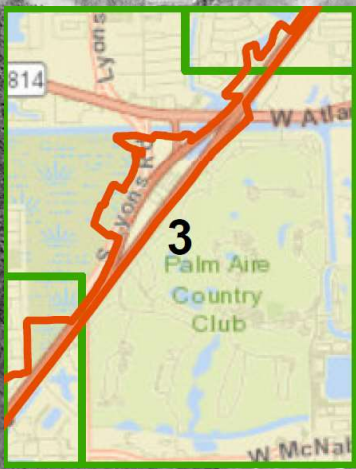
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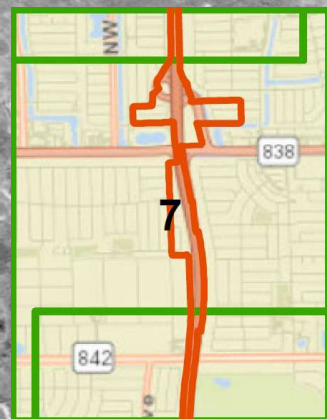
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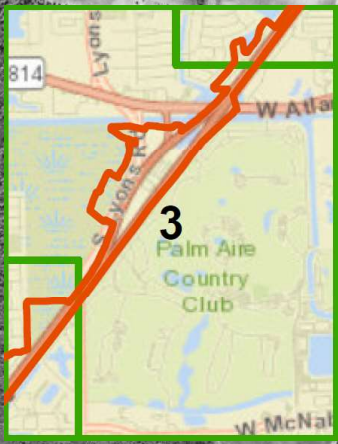
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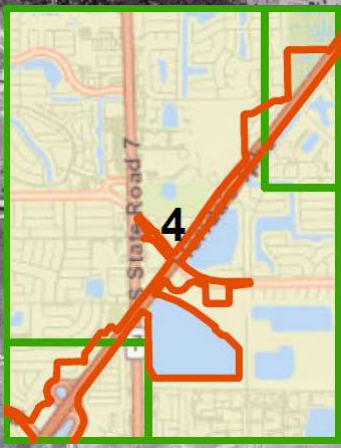
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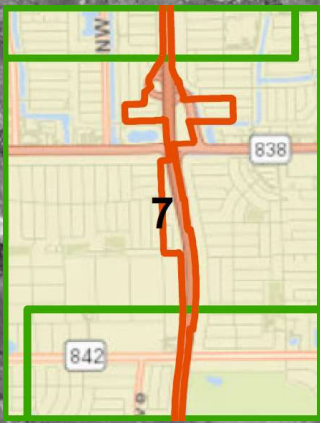
DRAFT





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DRAFT





DRAFT



An aerial photograph showing a patchwork of agricultural fields, some of which are flooded or have standing water. A large, white, diagonal watermark reading "DRAFT" is superimposed over the center of the image. A road or canal runs vertically through the middle of the frame.

DRAFT



DRAFT



An aerial photograph of a landscape, likely a wetland or marsh area, with a large, diagonal, white 'DRAFT' watermark across the center. The terrain is characterized by various shades of gray, indicating different vegetation and water levels. A prominent, dark, winding feature, possibly a waterway or a road, runs diagonally from the top right towards the bottom left. The overall image has a grainy, historical quality.

DRAFT





INQUIRY #: 7150903.5  
YEAR: 1961  
SCALE: 1"=1000'

Draft subject to change



An aerial photograph of a rural landscape. A road or highway runs diagonally from the top right towards the bottom left. The surrounding area is divided into rectangular fields, some of which appear to be flooded or have standing water. There are some small buildings or structures scattered throughout the landscape. A large, white, diagonal watermark reading "DRAFT" is overlaid across the center of the image.

DRAFT



DRAFT



DRAFT



DRAFT



An aerial photograph of a suburban area. The image shows a mix of residential housing, including single-family homes and some larger commercial or institutional buildings. There are several bodies of water, possibly ponds or small lakes, scattered throughout the landscape. A prominent road or highway runs vertically through the center of the image. A large, white, diagonal watermark with the word "DRAFT" in all caps is overlaid across the center of the photograph.

DRAFT




An aerial photograph of a rural landscape, likely in the 1960s, showing a patchwork of agricultural fields, dense forests, and some small buildings. A large, white, diagonal watermark reading "DRAFT" is superimposed over the center of the image. A road or railway line runs vertically through the middle of the frame. In the bottom right, there is a large, irregularly shaped pond or wetland area. The overall tone is dark and grainy, characteristic of older aerial photography.

DRAFT



DRAFT





DRAFT



DRAFT



DRAFT



DRAFT



DRAFT





INQUIRY #: 7150903.5  
YEAR: 1969  
SCALE: 1"=1000'

*draft/subject to change*



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT





INQUIRY #: 7150903.5  
YEAR: 1972  
SCALE: 1"=1000'

**Draft subject to change**



DRAFT



DRAFT



DRAFT





INQUIRY #: 7150903.5  
YEAR: 1972  
SCALE: 1"=1000'

Draft/subject to change



An aerial photograph of a rural landscape. The image shows a patchwork of agricultural fields, some of which are divided into smaller plots. A prominent road or canal runs vertically through the center of the image. To the right of this central feature, there is a large, irregularly shaped body of water, possibly a reservoir or a large pond. The surrounding areas are a mix of dark and light tones, indicating different types of vegetation or land use. A large, white, diagonal watermark reading "DRAFT" is superimposed over the center of the image.

DRAFT





INQUIRY #: 7150903  
YEAR: 1979  
SCALE: 1"=1000'

Draft subject to change



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT









INQUIRY #: 71-0003.5  
YEAR: 1984  
SCALE: 1"=1000'

Draft/subject to change



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT





INQUIRY # 7150903.6  
YEAR: 1994-1995  
SCALE: 1"=1000'

*Draft/subject to change*



DRAFT



DRAFT



DRAFT





INQUIRY #: 7150903  
YEAR: 1994-1995  
SCALE: 1"=1000'

Not subject to change



DRAFT



DRAFT

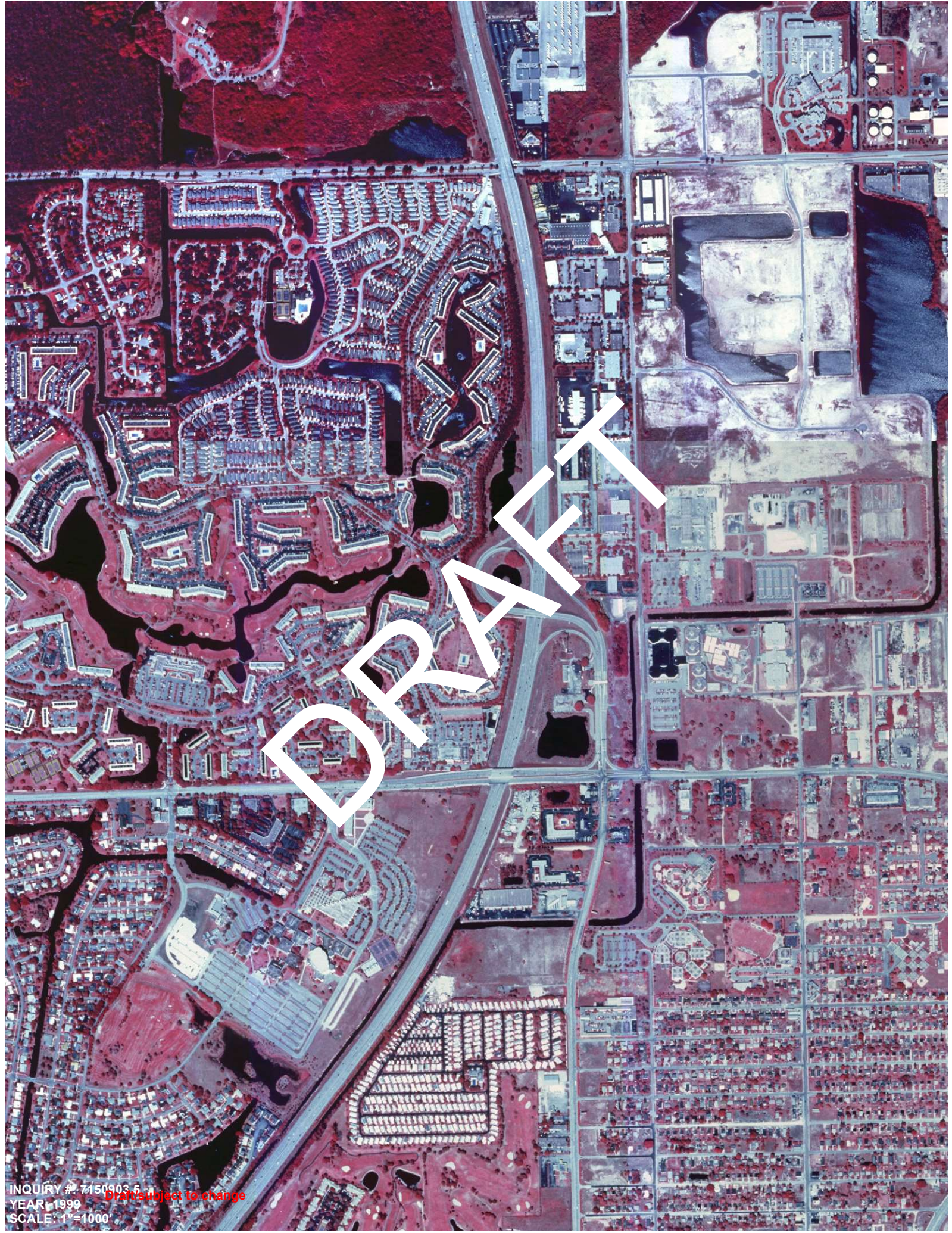


DRAFT



DRAFT







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DRAFT



DRAFT



An aerial photograph of a suburban residential area. The image shows a dense grid of houses with red and grey roofs, interspersed with green lawns and trees. A major road or highway runs diagonally across the center of the image. To the left, there are several large, irregularly shaped green spaces, possibly golf courses or parks, with some water features. The overall scene is a typical suburban landscape. A large, white, semi-transparent watermark with the word "DRAFT" in a bold, sans-serif font is oriented diagonally across the center of the image, from the bottom-left towards the top-right.

DRAFT



DRAFT



DRAFT



DRAFT

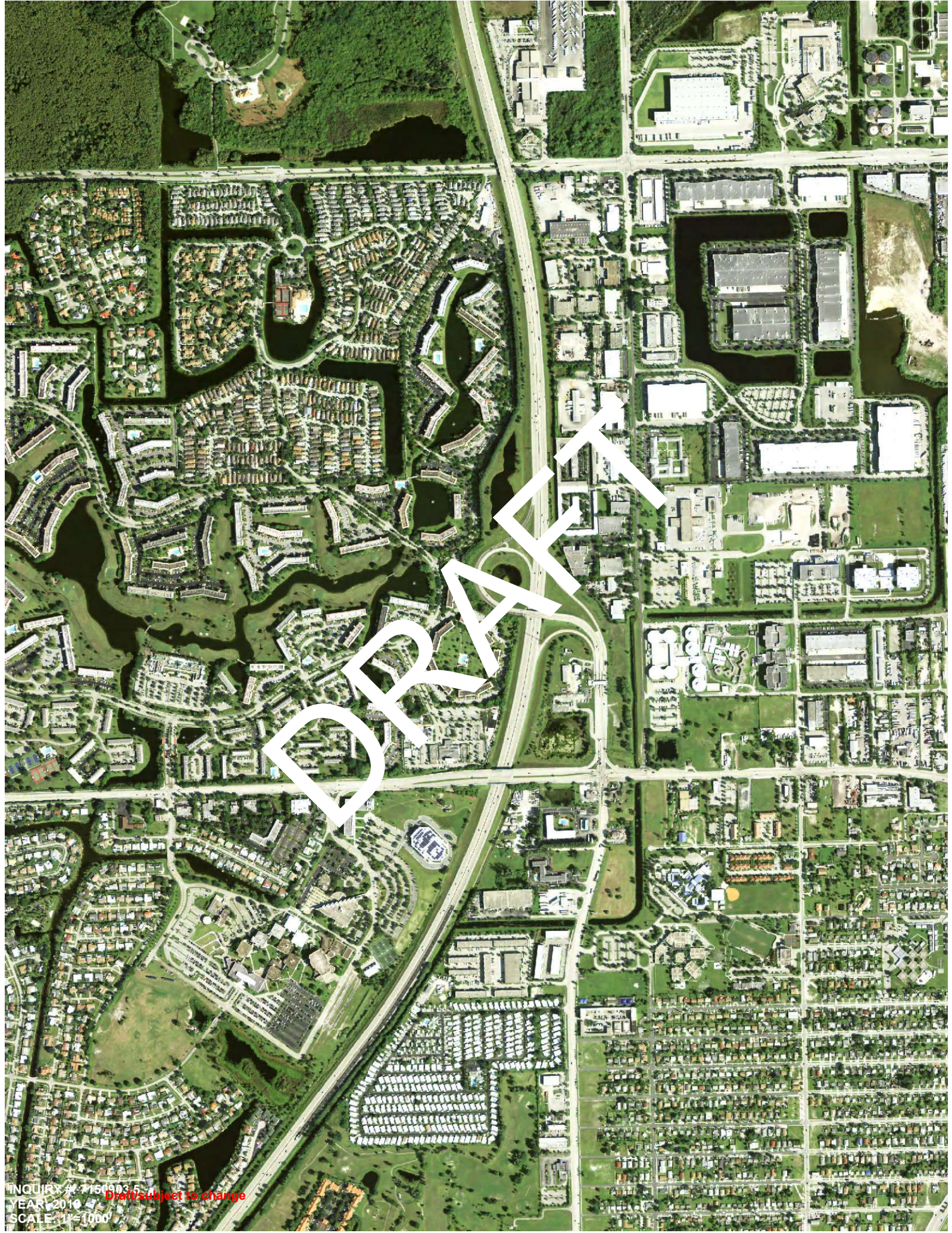


DRAFT



DRAFT







DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT

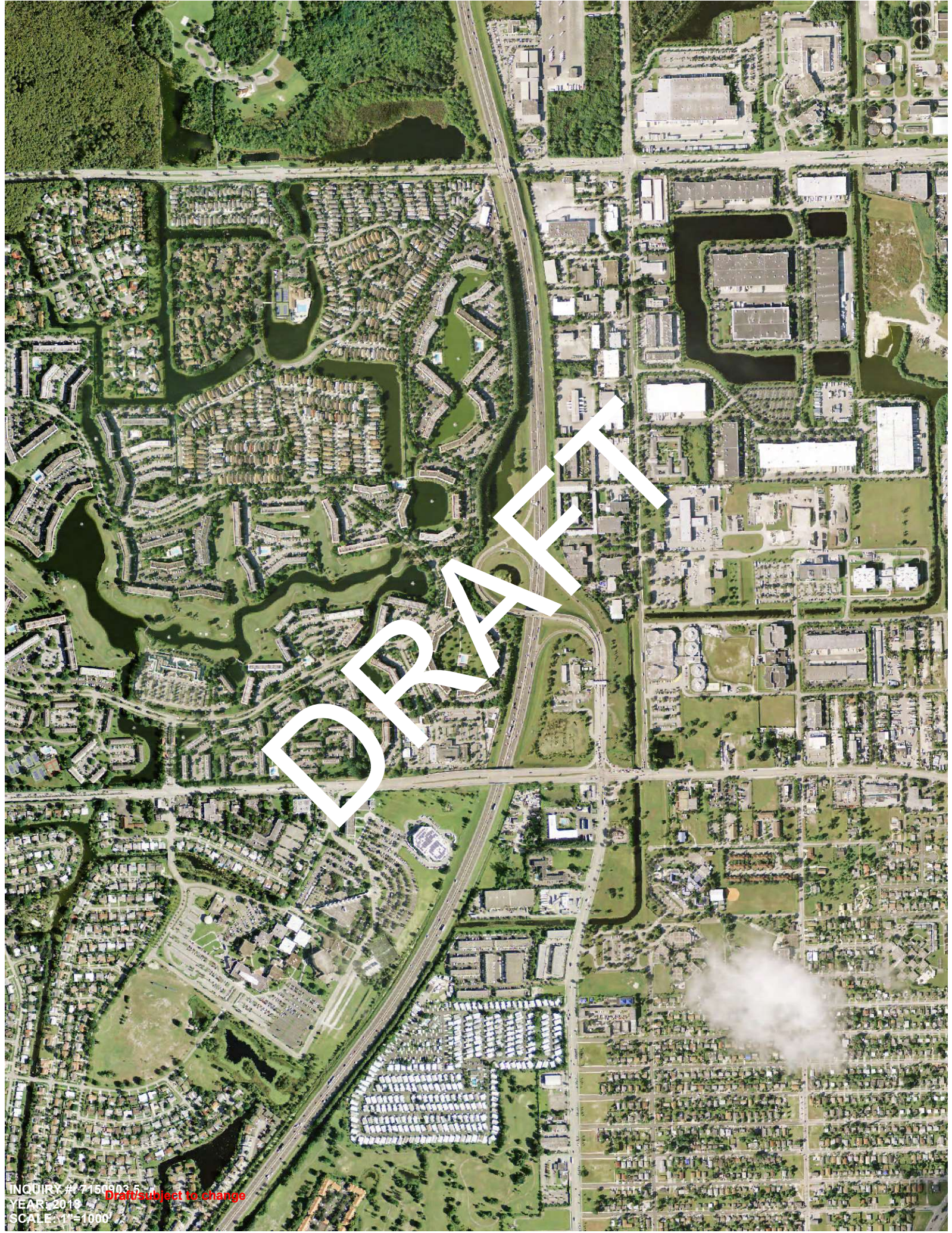






DRAFT





INQUIRY # 7160903.5  
YEAR: 2019  
SCALE: 1"=1000'

Draft subject to change



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT



DRAFT

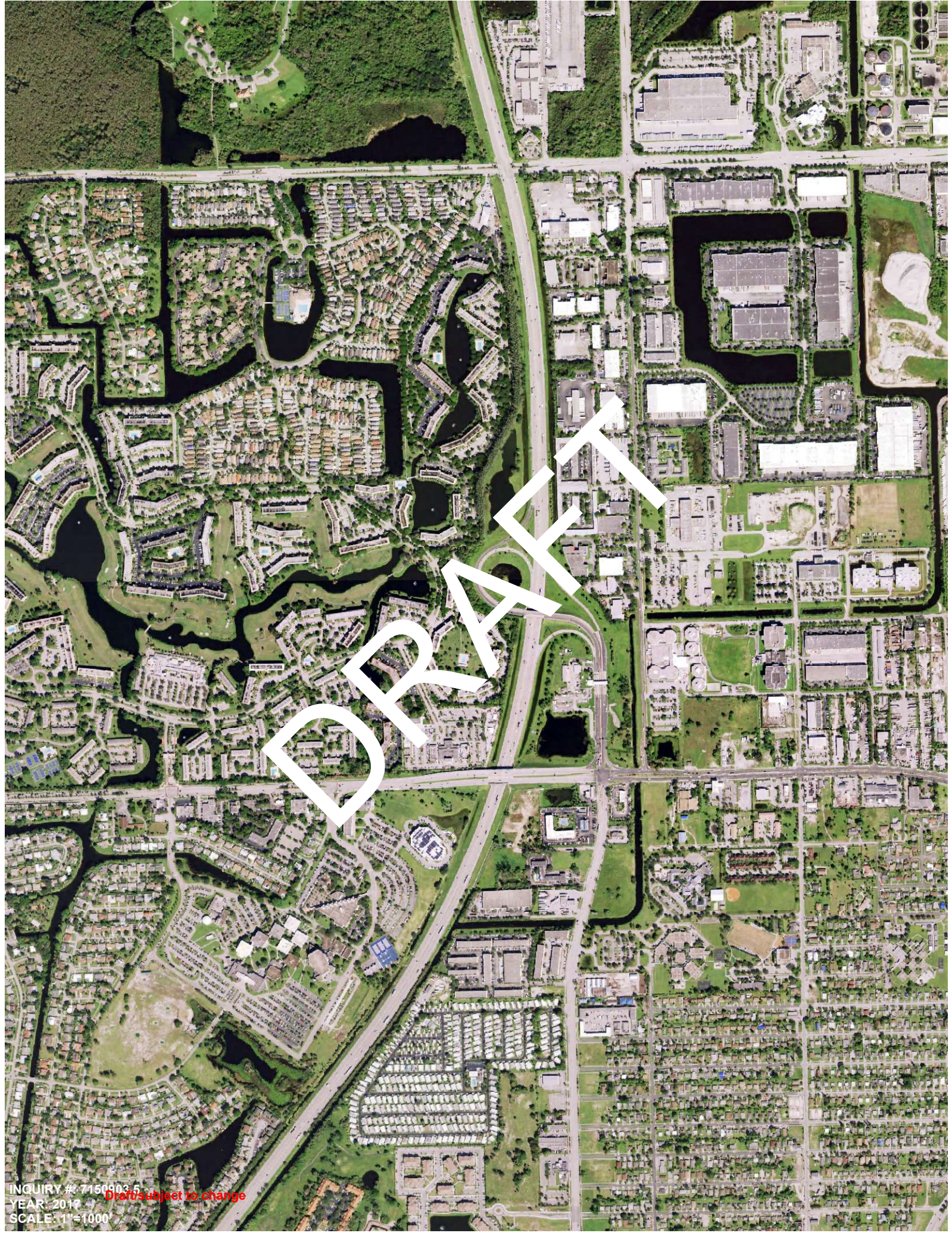


DRAFT



DRAFT





INQUIRY #: 7150903.5  
YEAR: 2017  
SCALE: 1"=1000'

Draft/subject to change



DRAFT



DRAFT



DRAFT



DRAFT




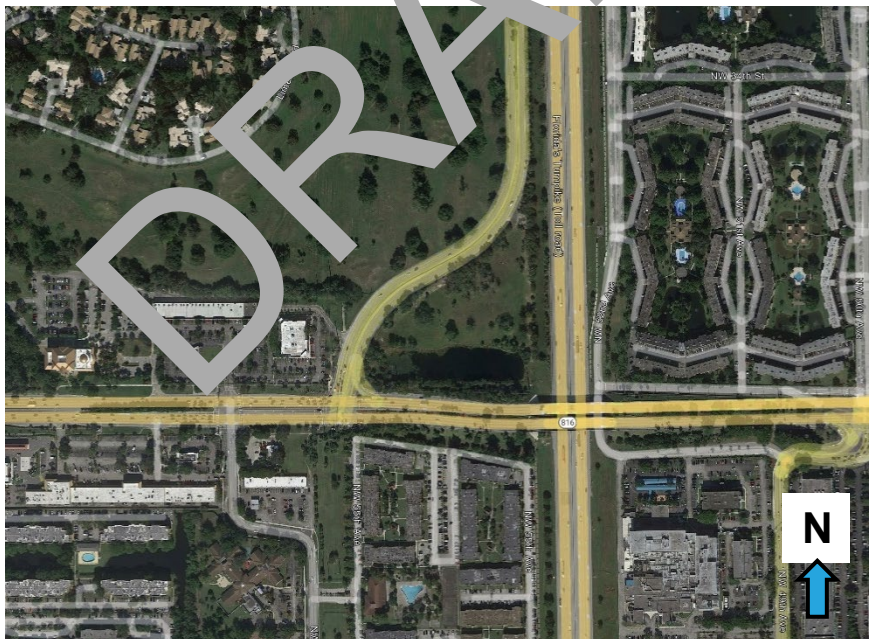
DRAFT




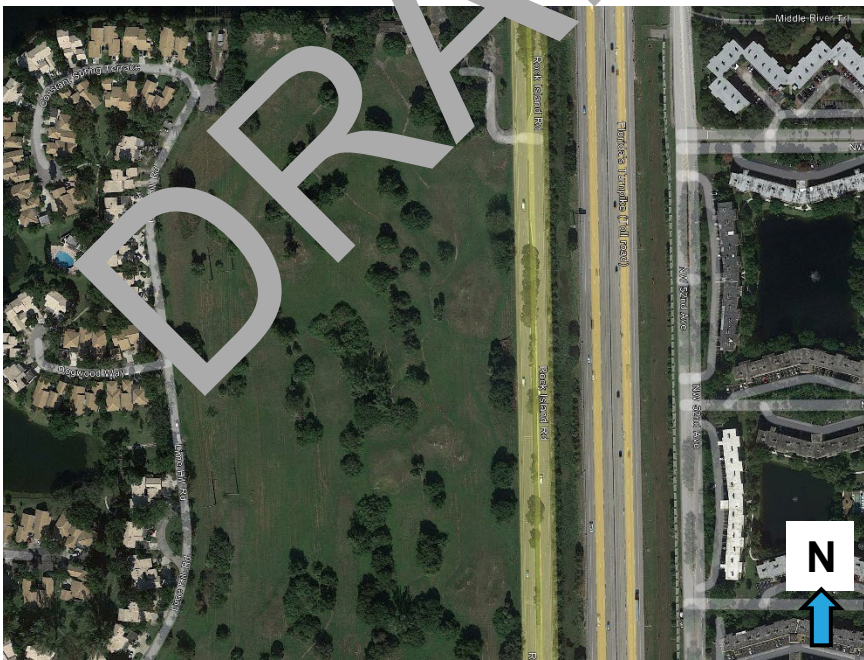
**Appendix D:**  
**Site Photo Documentation**

DRAFT

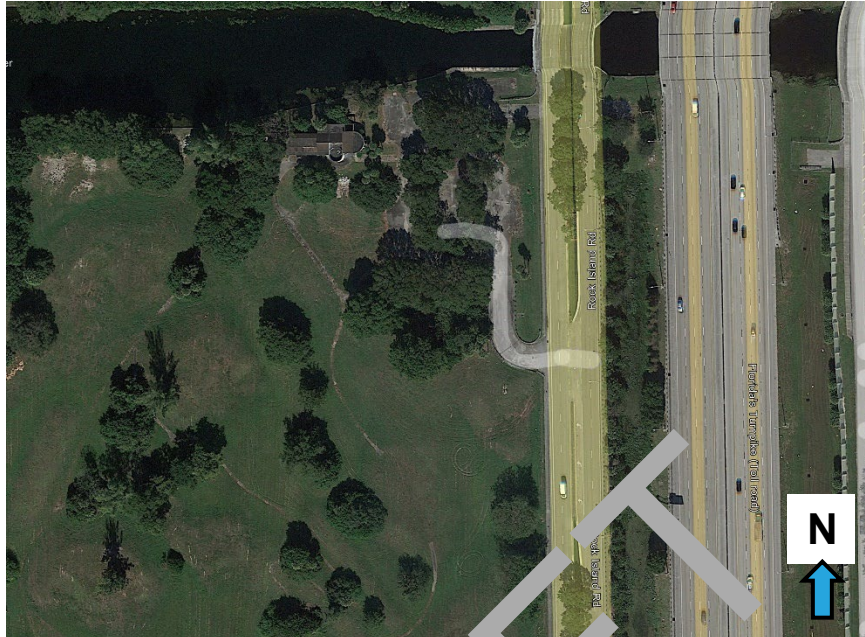


	
<p><b>Photo 21-1</b></p>	<p>Site No. 21 – Florida Petroleum Refineries – Aerial January 4, 2021 High Risk Rating</p>
	
<p><b>Photo 99-1</b></p>	<p>Site No. 99 – Proposed Pond Site 17 – Aerial January 4, 2021 High Risk Rating</p>



	
<p><b>Photo 100-1</b></p>	<p>Site No. 100 – Proposed Pond Site 18 – Aerial January 4, 2021 High Risk Rating</p>
	
<p><b>Photo 101-1</b></p>	<p>Site No. 101 – Proposed Pond Site 19 – Aerial January 4, 2021 High Risk Rating</p>





**Photo 102-1**

Site No. 102 – Proposed Interchange - Aerial January 4, 2021  
High Risk Rating



**Photo 102-2**

Site No. 102 – Proposed Interchange – November 9, 2022  
High Risk Rating - View toward the North





**Photo 161-1**



Site No. 161 – Amerika Gas – Aerial January 2022  
High Risk Rating



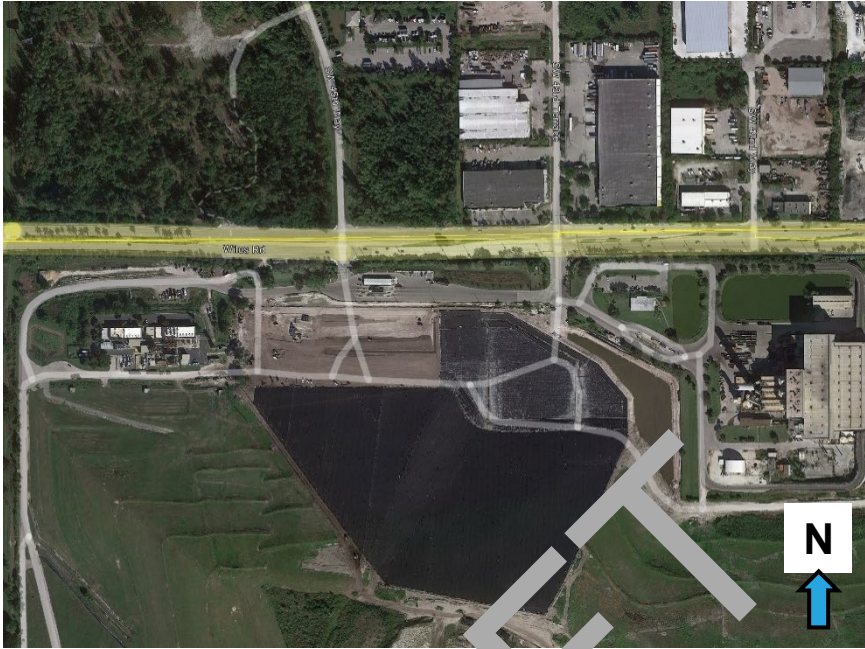
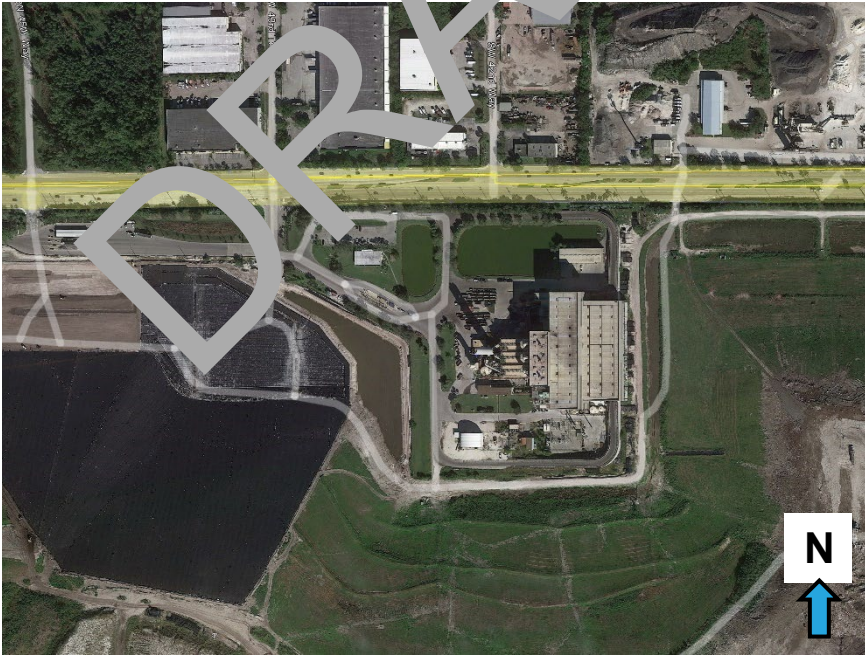
**Photo 161-2**

Site No. 161 – Amerika Gas – November 8, 2022  
High Risk Rating - View toward the Northwest



	
<p><b>Photo 195-1</b></p>	<p>Site No. 195 – Desrocher Sand And Rock – Desrocher Pit High Risk Rating – Aerial January 2022</p>
	
<p><b>Photo 195-2</b></p>	<p>Site No. 195 – Desrocher Sand And Rock – Desrocher Pit High Risk Rating – View of toward the Northeast – November 7, 2022</p>



	
<p><b>Photo 201-1</b></p>	<p>Site No. 201 – CDL Power-Production Facility – Aerial January 2022 High Risk Rating</p>
	
<p><b>Photo 203-1</b></p>	<p>Site No. 203 – Central Disposal Landfill – Aerial January 2022 High Risk Rating</p>





**Photo 203-2**

Site No. 203 – Central Disposal Landfill – November 7, 2022  
High Risk Rating View toward the Southeast



**Photo 17-1**

Site No. 17 – Mowrey Elevator Company, Inc - Aerial December 10, 2018  
Medium Risk Rating





**Photo 17-2**

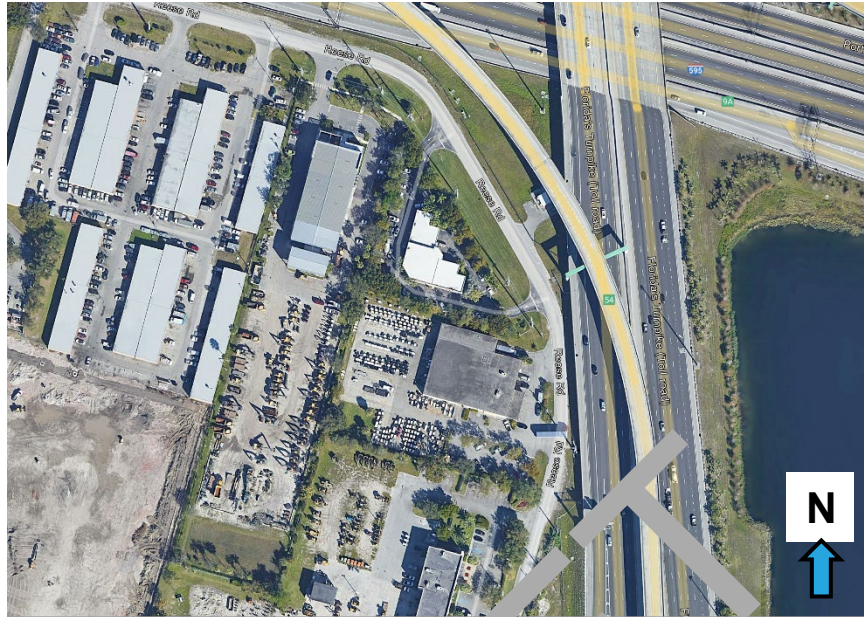
Site No. 17 – Mowrey Elevator Company, Inc – November 10, 2022  
Medium Risk Rating – View toward the East



**Photo 28-1**

Site No. 28 – Golf Carts - Jeffrey Allen, Inc.  
Medium Risk Rating – View Towards Northwest November 10, 2022





**Photo 29-1**


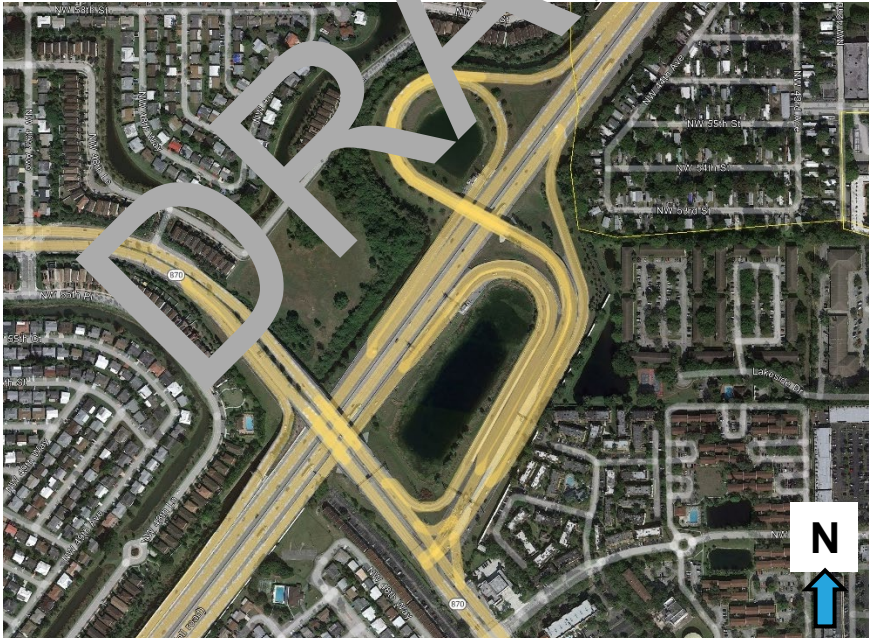
Site No. 29 – Proposed Pond Site 4 – Aerial December 10, 2018  
Medium Risk Rating



**Photo 29-2**

Site No. 29 & 34 – Proposed Pond Site 4 and Glenn's Automotive –  
November 10, 2022  
Medium Risk Rating - View toward the Southwest



	
<p><b>Photo 30-1</b></p>	<p>Site No. 30 – Florida Turnpike &amp; I-595 Release Medium Risk Rating – Aerial December 10, 2018</p>
	
<p><b>Photo 115-1</b></p>	<p>Site Nos. 115/117 – DOT North Turnpike Dump Site Aerial Medium Risk Rating – January 4, 2022</p>





**Photo 115-2**

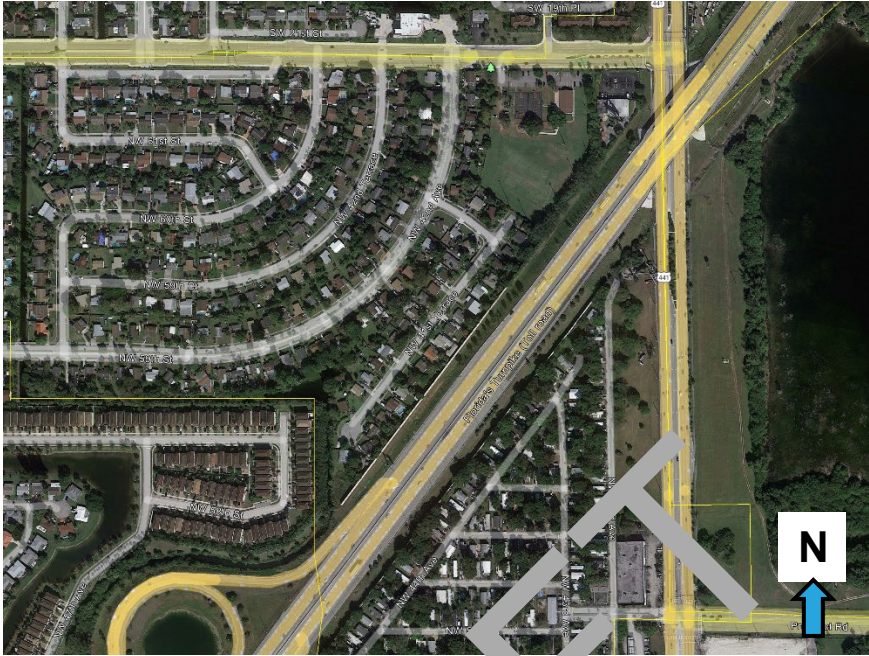

Site Nos. 115/117 – DOT North Turnpike Dump Site – November 9, 2022  
Medium Risk Rating - View toward the Southeast



**Photo 120-1**

Site No. 120 – Proposed Pond Site 22 - Aerial January 2022  
Medium Risk Rating



	
<p><b>Photo 121-1</b></p>	<p>Site No. 121 – Proposed Pond Site 23 - Aerial January 2022 Medium Risk Rating</p>
	
<p><b>Photo 142-1</b></p>	<p>Site No. 142a/b – Florida Turnpike Services LLC DBA Pompano Beach Shell – Medium Risk Rating - Aerial January 2022</p>





**Photo 142-2**



Site No. 142a – FDOT Pompano Beach Service Plaza Chevron – Medium Risk Rating – Monitoring Well – November 8, 2022



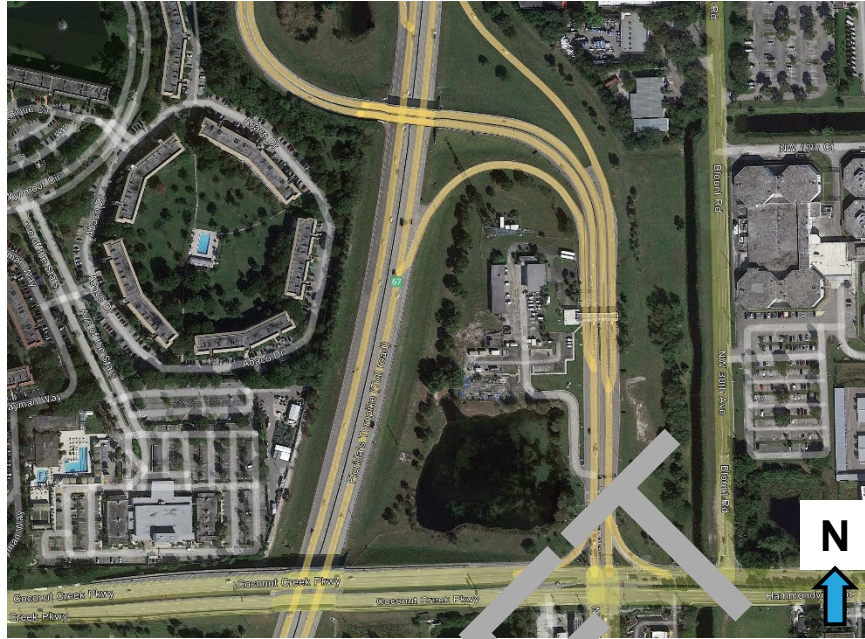
**Photo 142-3**

Site No. 142b – Florida Turnpike Services LLC DBA Pompano Beach Shell – Medium Risk Rating – Generator – November 8, 2022



	
<p><b>Photo 146-1</b></p>	<p>Site No. 146 – Former Palm Aire Golf Course Brownfield Site Medium Risk Rating – Aerial January 2022</p>
	
<p><b>Photo 146-2</b></p>	<p>Site No. 146 – Former Palm Aire Golf Course Brownfield Site Medium Risk Rating – Historical Aerial 1979</p>





**Photo 169-1**

Site No. 169 – Sunshine State Parkway Pompano Maintenance Area  
Medium Risk Rating – Aerial January 2022



**Photo 169-2**

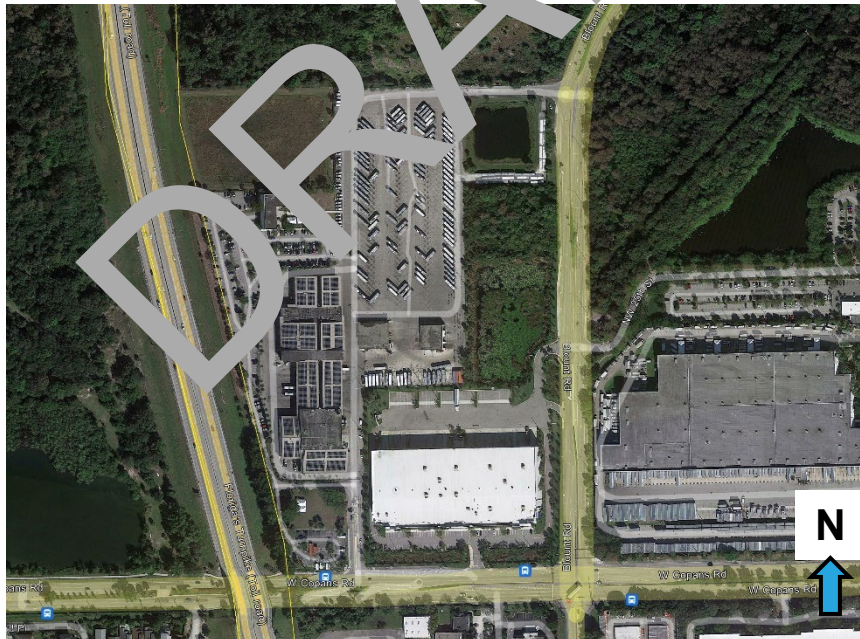
Site No. 169 – Sunshine State Parkway Pompano Maintenance Area  
Medium Risk Rating – Diesel Generator – November 8, 2022





**Photo 169-3**

Site No. 169 – Sunshine State Parkway Pompano Maintenance Area  
Medium Risk Rating Monitoring Well – November 8, 2022



**Photo 194-1**

Site No. 194 – Broward County Mass Transit - Aerial January 2022  
Medium Risk Rating





**Photo 194-  
2**

Site No. 194 – Broward County Mass Transit – November 8, 2022  
Medium Risk Rating – UST Vent Pipes