

VILLAGE OF ROYAL PALM BEACH, FLORIDA

PROJECT NAME: **FPL PATHWAY LIGHTING**
PROJECT NUMBER: **EN1901**

ADDENDUM NUMBER : TWO

DATE OF ISSUANCE: January 28, 2021

TO: Prospective Bidders

THIS ADDENDUM NO. **TWO** INCLUDES THE FOLLOWING:

- 1) Add Attachment 2: Geotechnical Report
- 2) Revise the Bid Opening date on the Invitation to Bid (INV-5) as follows:

Sealed bids will be received by the Village of Royal Palm Beach, Florida at the Office of the Village Clerk, located at 1050 Royal Palm Beach Boulevard, Royal Palm Beach, Florida 33411, for subject project 3:30 p.m. local time **Wednesday, February 10, 2021**, then opened publicly at that time.

- 3) Updated cutoff dates are as follows:
 - a. No RFIs shall be accepted 5 calendar days before Bid Opening on February 10, 2021. **The last day to submit RFIs is Friday, February 5, 2021.**
 - b. No Addenda shall be issued 3 work days before Bid Opening on February 10, 2021. **The last day for Addendums to be issued is Friday, February 5, 2021.** Except an Addendum withdrawing the request for Bids, one which includes postponement of the date for receipt of Bids, or one whose content is limited to the listing of additional approved manufacturers and substitutions.

APPROVED BY: Christopher A. Marsh, P.E., Village Engineer

ACKNOWLEDGMENT OF RECEIPT: _____

Bidder

EXHIBIT A

Excerpt from FPL Pathway Dry
Detention Ponds Geotechnical Report

The following is a relevant selection of a Geotechnical report performed for a project that is adjacent to the northern half of the FPL Pathway Lighting Project, provided here to give the contractor information on the existing soil conditions. The contractor is still responsible for performing her/his own survey and analysis of existing conditions, and adjusting means and methods of construction accordingly.

SITE LOCATION AND EXPLORATION PLANS

Contents:

Site Location Plan
Exploration Plan (3 pages)
Dry Detention Ponds Location Plan

Note: All attachments are one page unless noted above.

SITE LOCATION

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
January 21, 2020 ■ Terracon Project No. HD195036

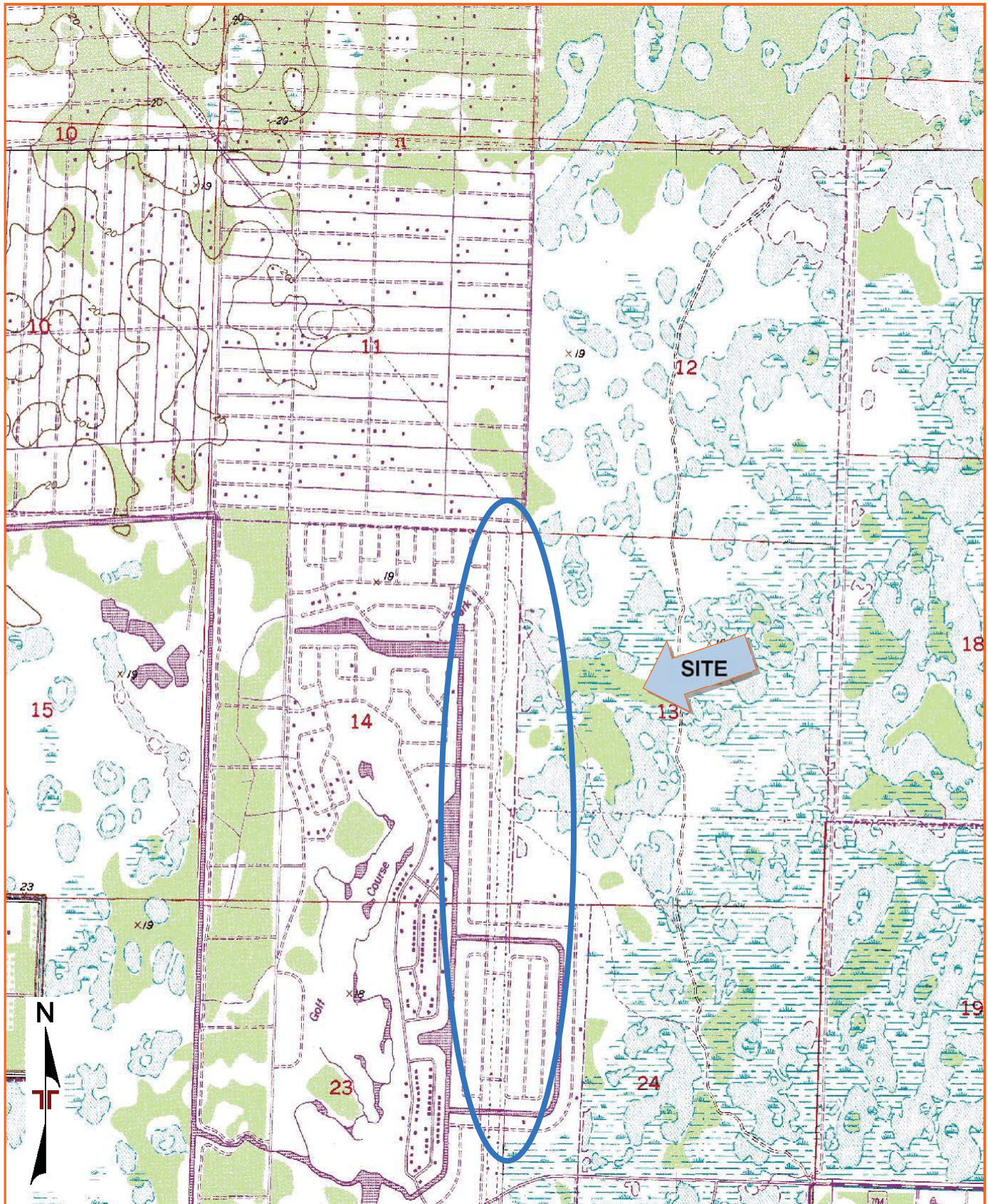


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: DELTA, FL (1/1/1983) and PALM BEACH FARMS, FL (1/1/1983).

EXPLORATION PLAN 1

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
January 21, 2020 ■ Terracon Project No. HD195036

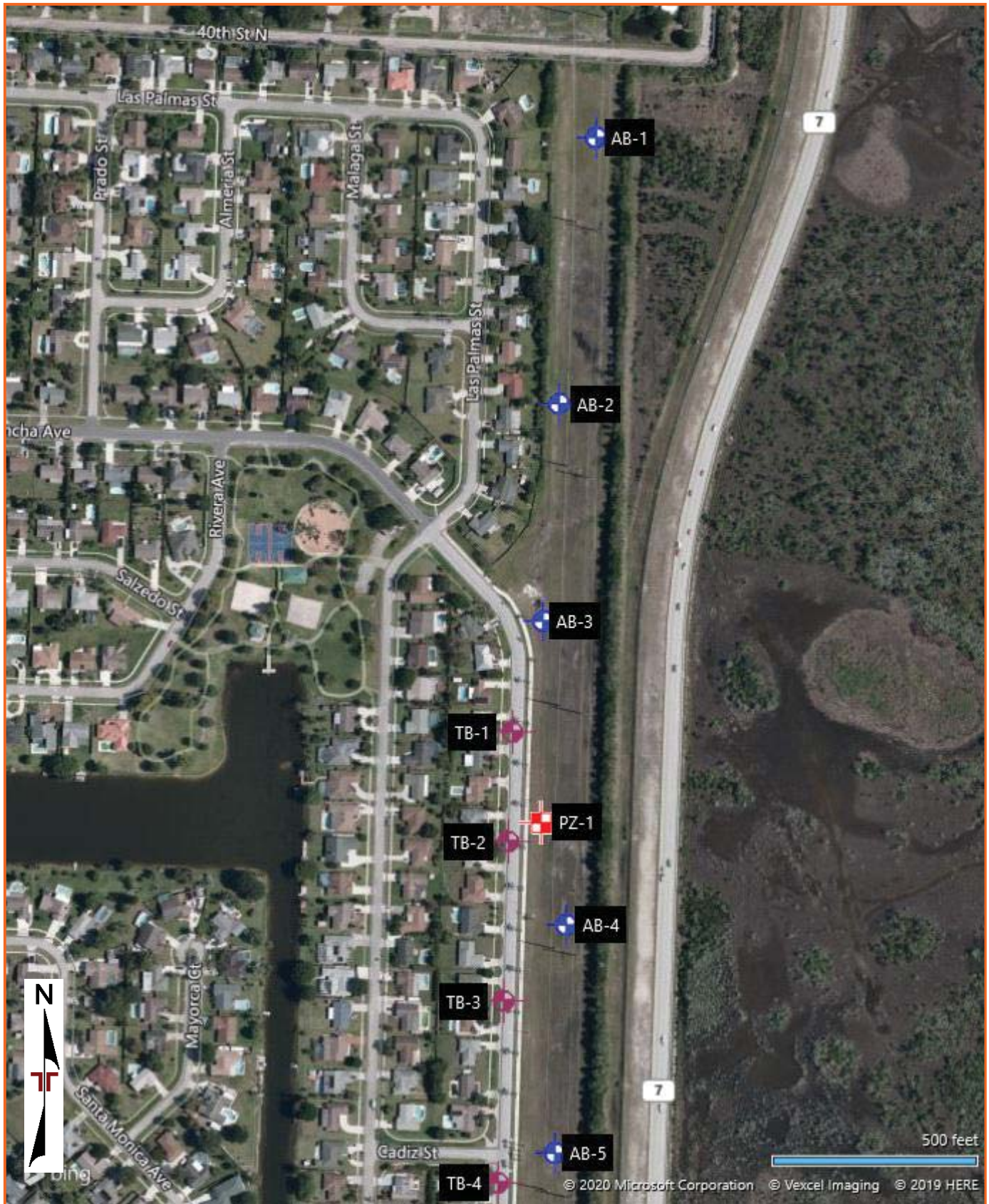


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION PLAN 2

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
January 21, 2020 ■ Terracon Project No. HD195036

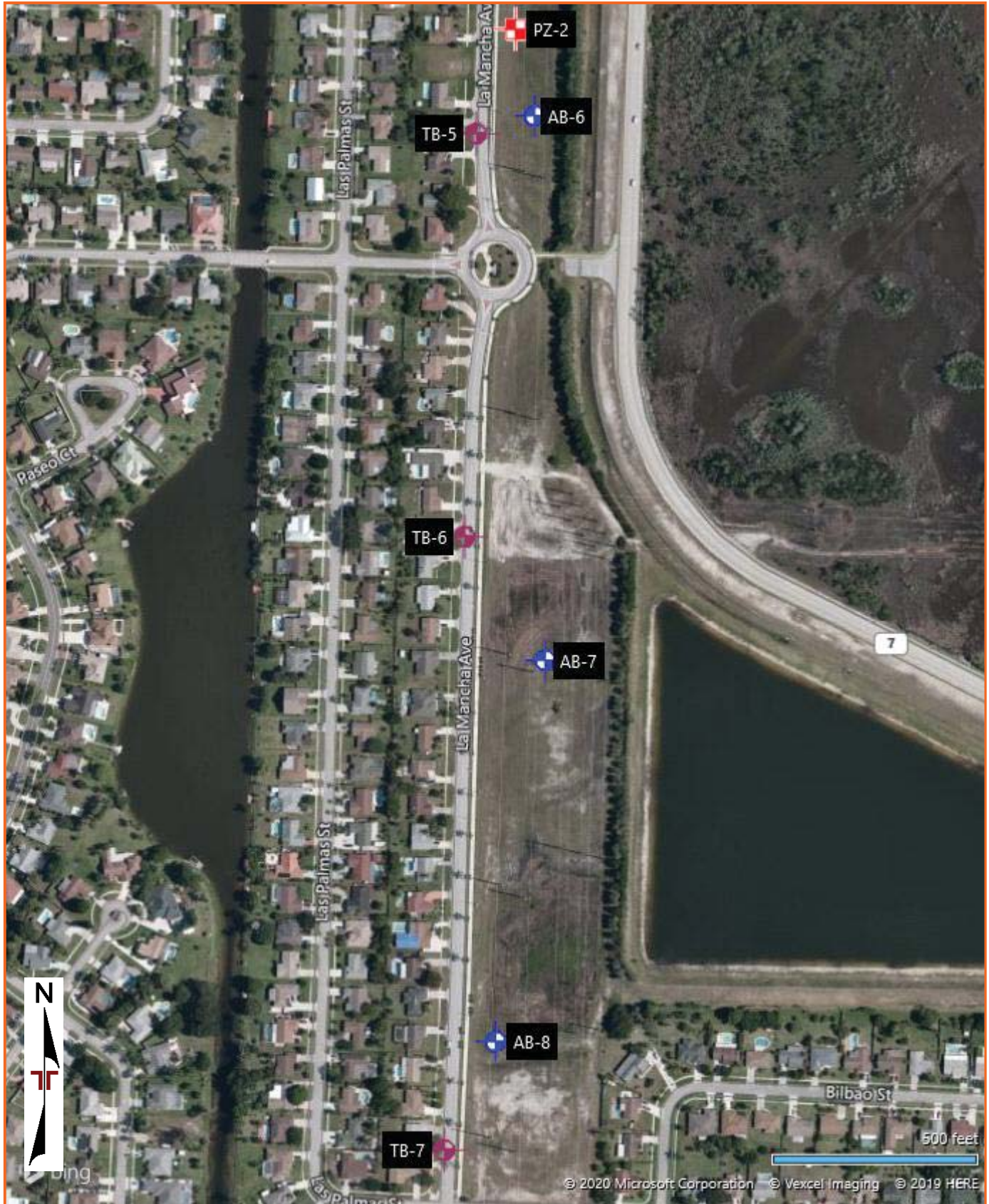


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION PLAN 3

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
January 21, 2020 ■ Terracon Project No. HD195036



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION RESULTS

Contents:

Geomodel (4 pages)

Boring Logs (TB-1 through PZ-2)

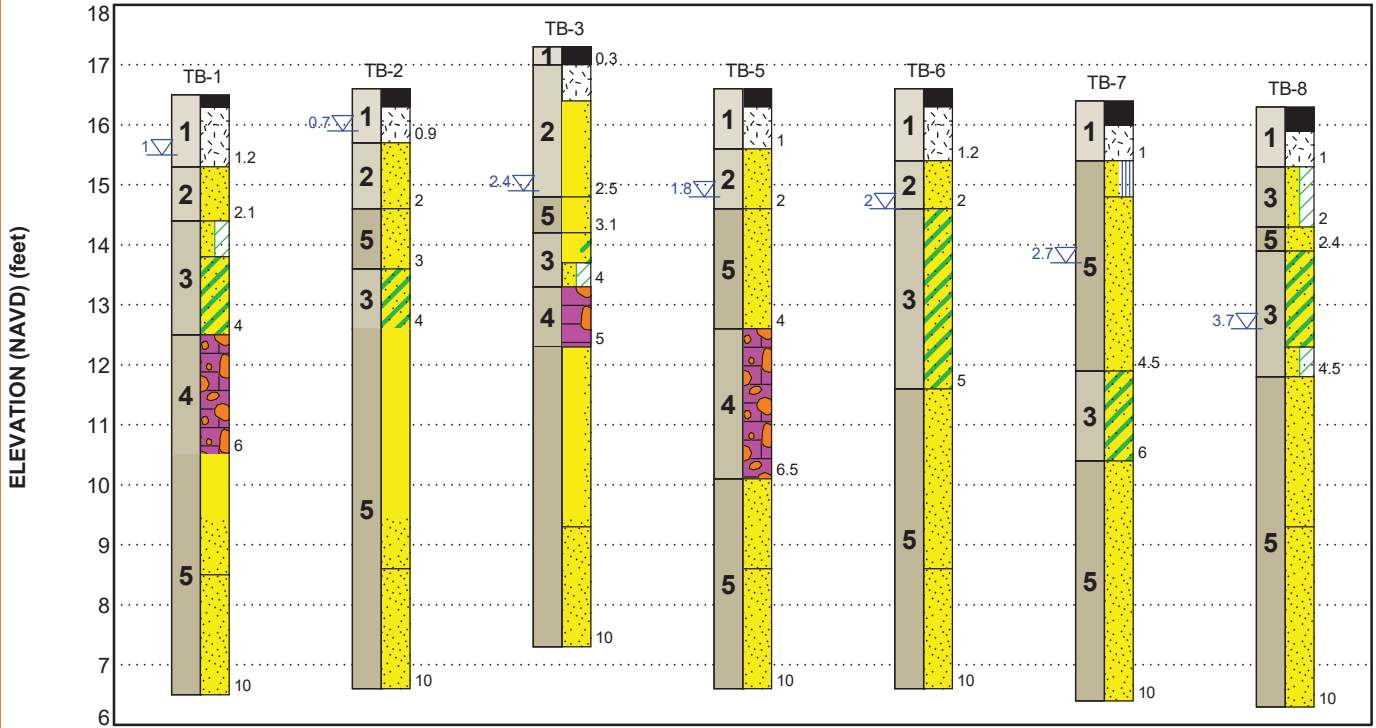
Grain Size Distribution Graphs (2 pages)

Moisture Density Relationship (3 pages)

Note: All attachments are one page unless noted above.

GEOMODEL

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
 Terracon Project No. HD195036



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

LEGEND

Model Layer	Layer Name	General Description
1	PAVEMENT	Asphalt Concrete over Shellrock Base
2	SAND	Gray to brown fine SAND, trace to some gravel, sometimes with trace to some roots in upper few inches, loose to medium dense (SP)
3	CLAYEY SAND TO SAND WITH CLAY	Gray to dark brown fine Clayey Sand to Sand with clay, medium dense (SC, SP-SC)
4	CEMENTED SAND AND SHELL	Gray Cemented Sand and Shell
5	SAND WITH SILT TO SAND	Gray to brown fine Sand with silt to Sand, sometimes with trace to some roots in upper few inches, sometimes with varying amounts of sand to gravel size shell fragments, loose to medium dense (SP-SM, SP)
6	COQUINA LIMESTONE	Gray Coquina Limestone
7	ORGANIC SAND	Dark brown Organic Sand, roots (PT)

- Asphalt
- Base
- Poorly-graded Sand
- Poorly-graded Sand with Clay
- Clayey Sand
- CGS - Las Vegas Local Standard
- Poorly-graded Sand with Silt

NOTES:

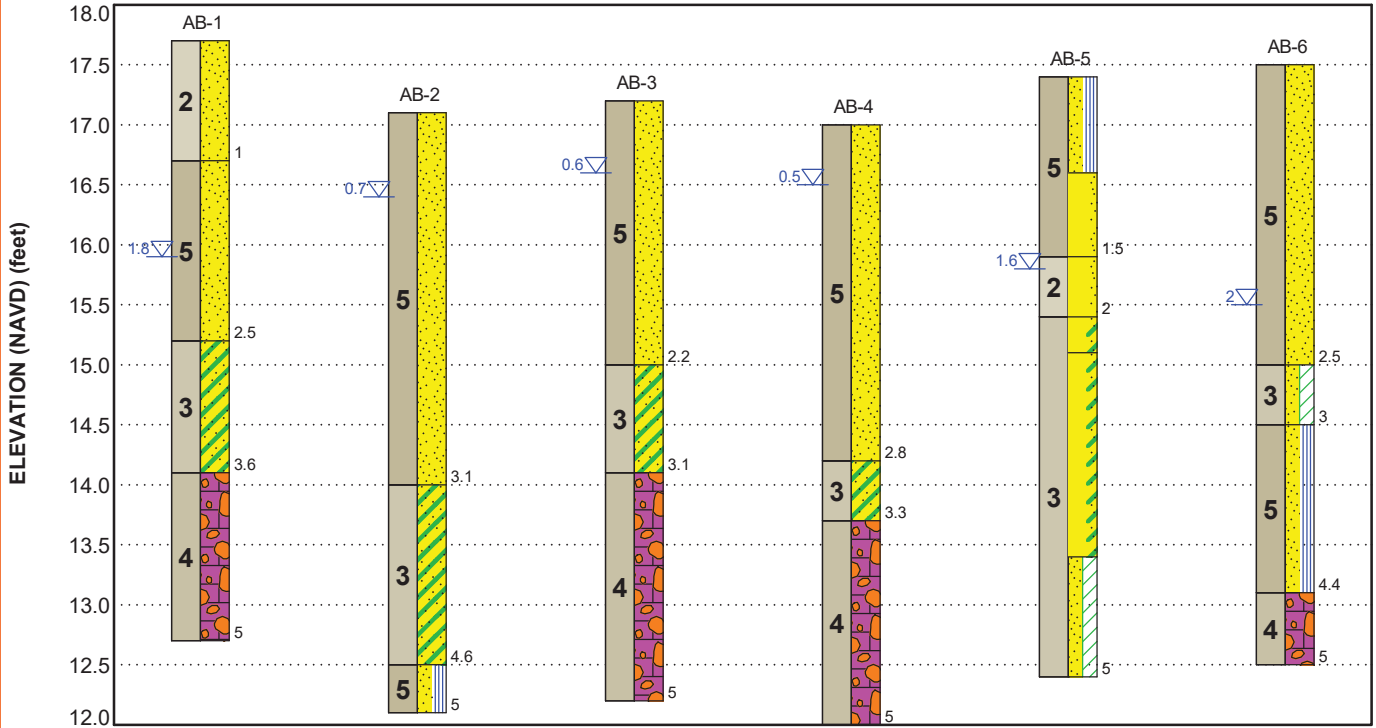
Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.

▽ First Water Observation

Groundwater levels are temporal. The levels shown are representative of the date and time of our exploration. Significant changes are possible over time. Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.

GEOMODEL

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
 Terracon Project No. HD195036



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

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Model Layer	Layer Name	General Description
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6	COQUINA LIMESTONE	Gray Coquina Limestone
		Dark brown Organic Sand, roots (PT)

- Poorly-graded Sand
- Clayey Sand
- CGS - Las Vegas Local Standard
- Poorly-graded Sand with Silt
- Poorly-graded Sand with Clay

NOTES:

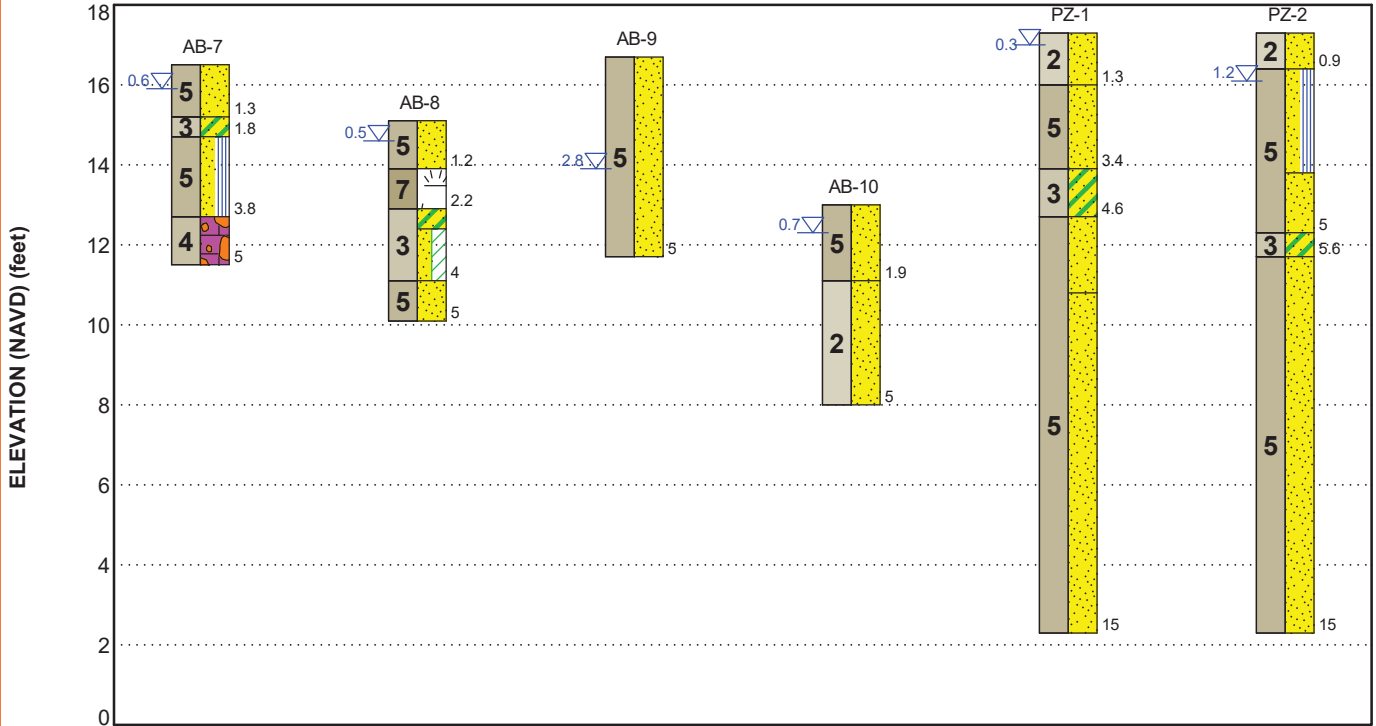
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GEOMODEL

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
 Terracon Project No. HD195036



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

LEGEND

Model Layer	Layer Name	General Description
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2	SAND	Gray to brown fine SAND, trace to some gravel, sometimes with trace to some roots in upper few inches, loose to medium dense (SP)
3	CLAYEY SAND TO SAND WITH CLAY	Gray to dark brown fine Clayey Sand to Sand with clay, medium dense (SC, SP-SC)
4	CEMENTED SAND AND SHELL	Gray Cemented Sand and Shell
5	SAND WITH SILT TO SAND	Gray to brown fine Sand with silt to Sand, sometimes with trace to some roots in upper few inches, sometimes with varying amounts of sand to gravel size shell fragments, loose to medium dense (SP-SM, SP)
6	COQUINA LIMESTONE	Gray Coquina Limestone
7	ORGANIC SAND	Dark brown Organic Sand, roots (PT)

- Poorly-graded Sand
- Clayey Sand
- Poorly-graded Sand with Silt
- CGS - Las Vegas Local Standard
- Peat
- Poorly-graded Sand with Clay

NOTES:

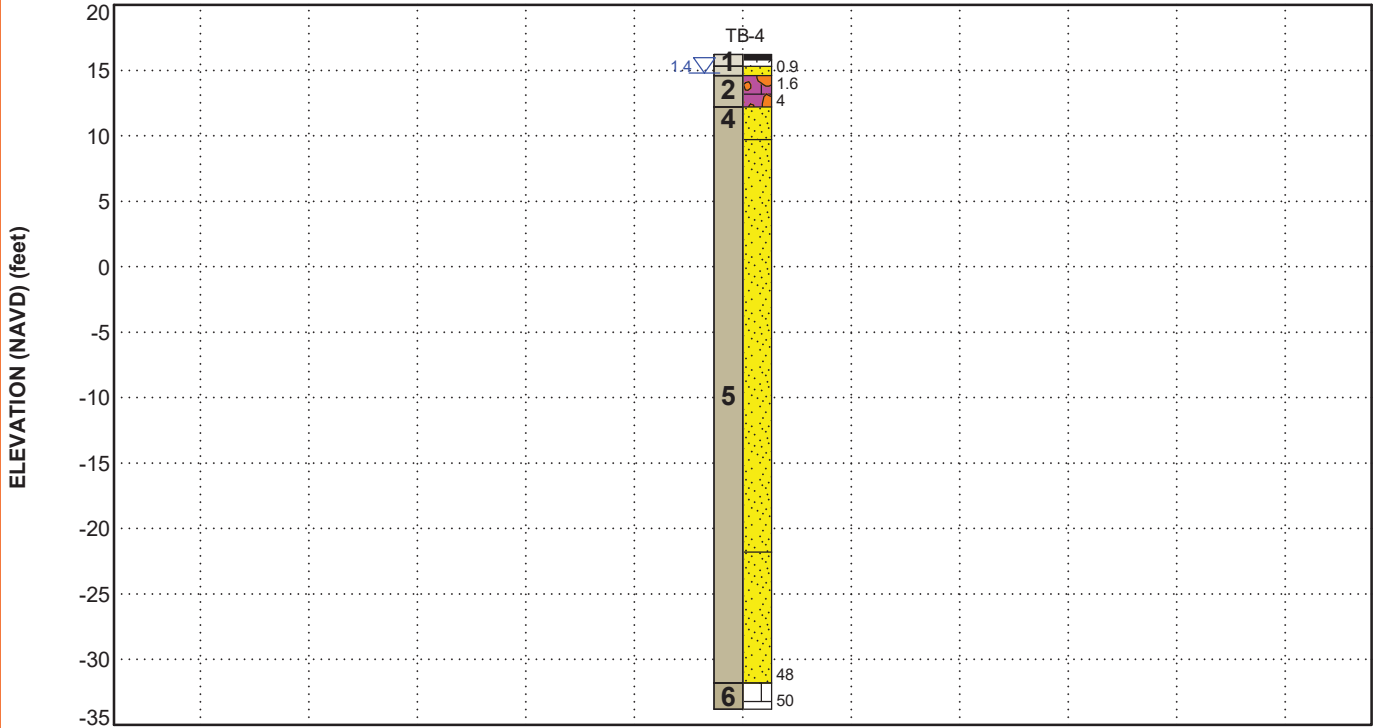
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GEOMODEL

FPL Pathway Dry Detention Ponds ■ Village of Royal Palm Beach, FL
 Terracon Project No. HD195036



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

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Model Layer	Layer Name	General Description
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2	SAND	Gray to brown fine SAND, trace to some gravel, sometimes with trace to some roots in upper few inches, loose to medium dense (SP)
3	CLAYEY SAND TO SAND WITH CLAY	Gray to dark brown fine Clayey Sand to Sand with clay, medium dense (SC, SP-SC)
4	CEMENTED SAND AND SHELL	Gray Cemented Sand and Shell
5	SAND WITH SILT TO SAND	Gray to brown fine Sand with silt to Sand, sometimes with trace to some roots in upper few inches, sometimes with varying amounts of sand to gravel size shell fragments, loose to medium dense (SP-SM, SP)
6	COQUINA LIMESTONE	Gray Coquina Limestone
7	ORGANIC SAND	Dark brown Organic Sand, roots (PT)

- Asphalt
- Base
- Poorly-graded Sand
- CGS - Las Vegas Local Standard
- Limestone

NOTES:

Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project.

First Water Observation

Groundwater levels are temporal. The levels shown are representative of the date and time of our exploration. Significant changes are possible over time. Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.









BORING LOG NO. TB-1

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL - HD195036 FPL PATHWAY DRY D.G.P.J TERRACON_DATATEMPLATE.GDT 4/2/20

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7312° Longitude: -80.2173° Surface Elev.: 16.5 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)		
1		0.2 ASPHALT	16.5	▽	X	14-8-8-7 N=16	30	15		
2		1.2 SHELLROCK BASE , light gray	15.5							
		2.1 SAND (SP) , fine grained, brown, trace gravel	14.5							
3		2.7 SAND WITH CLAY (SP-SC) , fine grained, gray	14							
		4.0 CLAYEY SAND (SC) , fine grained, gray	12.5							
4		6.0 CEMENTED SAND AND SHELL , gray	10.5							
		8.0 SAND (SP) , fine grained, brown, medium dense, some sand to gravel size shell fragments	8.5							
5		10.0 SAND (SP) , fine grained, gray, loose	6.5							
Boring Terminated at 10 Feet			10							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

See [Supporting Information](#) for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
▽ 1 feet during drilling



1225 Omar Rd
West Palm Beach, FL

Boring Started: 11-01-2019	Boring Completed: 11-01-2019
Drill Rig: CME 45B	Driller: B. Phillips
Project No.: HD195036	

BORING LOG NO. TB-2

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7305° Longitude: -80.2173° Surface Elev.: 16.6 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
1	ASPHALT		0.3 16.5	▽				
2	SHELLROCK BASE	light brown, trace gravel	0.9 15.5			15-8-7-9 N=15		
5	SAND (SP)	fine grained, brown	2.0 14.5					
5	SAND (SP)	fine grained, light brown	3.0 13.5			7-7-10-10 N=17	2	18
3	CLAYEY SAND (SC)	fine grained, gray	4.0 12.5				16	18
5	SAND (SP)	fine grained, gray, medium dense, with sand to gravel size shell fragments	5 8.5			4-5-4-5 N=9		
5	SAND (SP)	fine grained, gray, loose	8.0 8.5			3-4-4-4 N=8		
	SAND (SP)		10.0 6.5			3-3-4-5 N=7		
Boring Terminated at 10 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.7 feet during drilling



Boring Started: 11-01-2019

Boring Completed: 11-01-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL - HD195036 FPL PATHWAY DRY D.G.P.J TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-3

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7294° Longitude: -80.2173° Surface Elev.: 17.3 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
1		ASPHALT	0.3					
2		SHELLROCK BASE , light brown	0.9			25-10-9-11 N=19		
		SAND (SP) , fine grained, gray, trace gravel	2.5					
5		SAND (SP) , fine grained, brown	3.1	▽		7-5-7-7 N=12		
3		CLAYEY SAND (SC) , fine grained, brown	3.6					
		SAND WITH CLAY (SP-SC) , fine grained, gray	4.0					
4		CEMENTED SAND AND SHELL , gray	5.0			3-3-3-4 N=6		
		SAND (SP) , fine grained, gray, loose, with sand to gravel size shell fragments	8.0			3-3-4-4 N=7		
5		SAND (SP) , fine grained, light gray, loose	10.0			3-3-3-3 N=6		
Boring Terminated at 10 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS
▽ 2.4 feet during drilling



Boring Started: 11-13-2019	Boring Completed: 11-13-2019
Drill Rig: CME 45B	Driller: B. Phillips
Project No.: HD195036	

BORING LOG NO. TB-4

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7282° Longitude: -80.2174° Surface Elev.: 16.2 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		ELEVATION (Ft.)						
1	ASPHALT	0.4	16					
	SHELLROCK BASE, light brown	0.9	15.5			27-13-11-14 N=24		
2	SAND (SP), fine grained, brown, trace gravel	1.6	14.5	▽				
	CEMENTED SAND AND SHELL, gray					9-9-6-6 N=15		
4	SAND (SP), fine grained, brown, medium dense, some sand to gravel size shell fragments	4.0	12			9-11-10-9 N=21		
	SAND (SP), fine grained, brown to gray, very loose to medium dense	6.5	9.5			3-6-8-10 N=14	1	19
	SAND (SP), fine grained, brown to gray, very loose to medium dense					8-8-8-8 N=16		
	SAND (SP), fine grained, brown to gray, very loose to medium dense					5-4-6 N=10		
5	SAND (SP), fine grained, brown to gray, very loose to medium dense					4-5-7 N=12		
	SAND (SP), fine grained, brown to gray, very loose to medium dense					5-5-6 N=11		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 1.4 feet during drilling



Boring Started: 11-13-2019

Boring Completed: 11-13-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-4

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7282° Longitude: -80.2174° Surface Elev.: 16.2 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
	5	SAND (SP) , fine grained, brown to gray, very loose to medium dense <i>(continued)</i>	30		X	2-1-1 N=2	4	28
			35		X	2-2-1 N=3		
		38.0	40		X	3-5-7 N=12	3	29
		SAND (SP) , fine grained, gray, medium dense, trace to some fragmental limestone	45		X	3-3-5 N=8		
		48.0	50		X	11-7-8 N=15		
	6	COQUINA LIMESTONE , gray	-22					
		50.0	-32					
		Boring Terminated at 50 Feet	-34					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

1.4 feet during drilling



Boring Started: 11-13-2019

Boring Completed: 11-13-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL. HD195036 FPL PATHWAY DRY D.G.P.J. TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-5

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7268° Longitude: -80.2174° Surface Elev.: 16.6 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
1	ASPHALT		0.3 16.5					
2	SHELLROCK BASE, light brown		1.0 15.5	▽		24-13-11-14 N=24		
5	SAND (SP), fine grained, gray, some limerock gravel		2.0 14.5					
5	SAND (SP), fine grained, gray, dense, some sand to gravel size shell fragments		4.0 12.5			11-13-14-11 N=27	4	11
4	CEMENTED SAND AND SHELL, gray		6.5 10			5-6-6-6 N=12		
5	SAND (SP), fine grained, gray, medium dense, with sand to gravel size shell fragments		8.0 8.5			4-5-9-10 N=14		
5	SAND (SP), fine grained, gray, medium dense		10.0 6.5			6-6-6-6 N=12		
Boring Terminated at 10 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 1.8 feet during drilling



Boring Started: 11-13-2019

Boring Completed: 11-13-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL - HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-6

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7241° Longitude: -80.2175° Surface Elev.: 16.6 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
1	ASPHALT	0.3 - 1.2	16.5 15.5			28-10-9-6 N=19		
2	SHELLROCK BASE	1.2 - 2.0	15.5 14.5	▽				
3	SAND (SP)	2.0 - 5.0	14.5 11.5			3-3-4-5 N=7	26	16
4	CLAYEY SAND (SC)	5.0 - 8.0	11.5 8.5			3-3-3-5 N=6		
5	SAND (SP)	8.0 - 10.0	8.5 6.5			3-4-4-4 N=8 4-4-5-4 N=9		
		Boring Terminated at 10 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 2 feet during drilling



Boring Started: 11-14-2019

Boring Completed: 11-14-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-7

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.72° Longitude: -80.2177° Surface Elev.: 16.4 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		ELEVATION (Ft.)						
1	ASPHALT		0.4					
	SHELLROCK BASE	light brown	1.0			47-14-9-14 N=23		
	SAND WITH SILT (SP-SM)	fine grained, brown	1.6			9-13-10-8 N=23		
5	SAND (SP)	fine grained, light brown to dark brown, medium dense		▽		3-6-6-8 N=12		
	CLAYEY SAND (SC)	fine grained, gray, medium dense	4.5			4-5-7-7 N=12		
3	SAND (SP)	fine grained, brown, medium dense	6.0			4-4-4-4 N=8		
5	SAND (SP)	fine grained, brown, medium dense	10.0					
Boring Terminated at 10 Feet			6.5					
			10					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 2.7 feet during drilling



Boring Started: 11-14-2019

Boring Completed: 11-14-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL - HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. TB-8

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7147° Longitude: -80.2179° Surface Elev.: 16.3 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		ELEVATION (Ft.)						
1	ASPHALT	0.4	16					
	SHELLROCK BASE, light brown	1.0	15.5			31-10-11-10 N=21		
3	SAND WITH CLAY (SP-SC), fine grained, brown	2.0	14.5					
5	SAND (SP), fine grained, brown	2.4	14					
3	CLAYEY SAND, brown, medium dense	4.0	12.5	▽		7-7-7-8 N=14		
	SAND WITH CLAY (SP-SC), fine grained, gray	4.5	12					
	SAND (SP), fine grained, gray, medium dense, with sand to gravel size shell fragments	7.0	9.5			5-8-8-12 N=16		
5	SAND (SP), fine grained, brown, loose	10.0	6.5			7-6-6-5 N=12		
	Boring Terminated at 10 Feet		10			2-3-2-3 N=5		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Mud Rotary / SPT Method
Continuous sampling upper 10 feet
Samples at 5-foot intervals below 10 feet

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with bentonite chips upon completion.
Pavement repaired with asphalt cold patch

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 3.7 feet during drilling



Boring Started: 11-14-2019

Boring Completed: 11-14-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036





THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL - HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-1

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7352° Longitude: -80.2167° Surface Elev.: 17.7 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
2		SAND (SP) , fine grained, gray, some limerock gravel, trace grass roots in upper few inches	1.0					
5		SAND (SP) , fine grained, brown	2.5	▽				
3		CLAYEY SAND (SC) , fine grained, brown	3.6					
4		CEMENTED SAND AND SHELL , gray	5.0					
Boring Terminated at 5 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 1.8 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-2

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7334° Longitude: -80.2169° Surface Elev.: 17.1 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
5		SAND (SP) , fine grained, brown, some grass roots in upper few inches	14	▽				
3		CLAYEY SAND (SC) , fine grained, gray	12.5					
5		SAND WITH SILT (SP-SM) , fine grained, gray, with cemented sand and shell fragments Boring Terminated at 5 Feet	12					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.7 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-3

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.732° Longitude: -80.2171° Surface Elev.: 17.2 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
5		SAND (SP) , fine grained, gray to brown	2.2	▽				
3		CLAYEY SAND (SC) , fine grained, gray	3.1					
4		CEMENTED SAND AND SHELL , gray	5.0					
Boring Terminated at 5 Feet			5					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.6 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-4

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7299° Longitude: -80.2169° Surface Elev.: 17.0 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
5		SAND (SP) , fine grained, brown, some grass roots in upper few inches	2.8	14	14			
3		CLAYEY SAND (SC) , fine grained, brown	3.3	13.5	13.5			
4		CEMENTED SAND AND SHELL , gray	5.0	12	12			
Boring Terminated at 5 Feet				5				

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

0.5 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-5

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7284° Longitude: -80.217° Surface Elev.: 17.4 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH ELEVATION (Ft.)						
5		0.8 SAND WITH SILT (SP-SM) , fine grained, dark brown, some grass roots in upper few inches	16.5					
2		1.5 SAND (SP) , fine grained, brown	16	▽				
2		2.0 SAND (SP) , fine grained, brown, trace to some gravel	15.5					
3		2.3 CLAYEY SAND (SC) , fine grained, brown, some fragmental limestone	15					
3		CLAYEY SAND (SC) , fine grained, gray	13.5					
3		SAND WITH CLAY (SP-SC) , fine grained, gray	12.5					
Boring Terminated at 5 Feet			5					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 1.6 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-6

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7269° Longitude: -80.217° Surface Elev.: 17.5 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
5		SAND (SP) , fine grained, brown, some grass roots in upper few inches	2.5	▽				
3		SAND WITH CLAY (SP-SC) , fine grained, brown	3.0					
5		SAND WITH SILT (SP-SM) , fine grained, brown to gray	4.4					
4		CEMENTED SAND AND SHELL , gray	5.0					
<i>Boring Terminated at 5 Feet</i>								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 2.0 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-7

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7233° Longitude: -80.2169° Surface Elev.: 16.5 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
5		SAND (SP) , fine grained, brown, some grass roots in upper few inches	1.3	▽				
3		CLAYEY SAND (SC) , fine grained, brown	1.8					
5		SAND WITH SILT (SP-SM) , fine grained, brown to gray	3.8					
4		CEMENTED SAND AND SHELL , gray	5.0					
Boring Terminated at 5 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.6 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-8

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7207° Longitude: -80.2173° Surface Elev.: 15.1 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
5		SAND (SP) , fine grained, brown, some grass roots in upper few inches	14	▽				
7		ORGANIC SAND (PT) , dark brown, with roots	13					
3		CLAYEY SAND (SC) , fine grained, dark brown	12.5					
3		SAND WITH CLAY (SP-SC) , fine grained, gray, some sand size shell fragments	11					
5		SAND (SP) , fine grained, gray, some sand to gravel size shell fragments	10					
Boring Terminated at 5 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.5 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-9

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.717° Longitude: -80.2173° Surface Elev.: 16.7 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
		DEPTH						
5		SAND (SP) , fine grained, gray to brown	5.0	11.5	5	▽		
		Boring Terminated at 5 Feet						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 2.8 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

BORING LOG NO. AB-10

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7128° Longitude: -80.2173° Surface Elev.: 13.0 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
5		SAND (SP) , fine grained, gray to brown, some grass roots in upper few inches	1.9	▽				
2		SAND (SP) , fine grained, gray, trace limerock gravel and shell	11					
		Boring Terminated at 5 Feet	8					
Stratification lines are approximate. In-situ, the transition may be gradual.			Hammer Type: N/A					

Advancement Method:
Hand Auger with PVC casing

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Boring backfilled with soil cuttings.

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.7 feet during drilling



Boring Started: 11-18-2019

Boring Completed: 11-18-2019

Drill Rig: Hand Auger

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.GPJ TERRACON_DATATEMPLATE.GDT 4/2/20

PIEZOMETER LOG NO. PZ-1

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7306° Longitude: -80.2171° Surface Elev.: 17.3 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
2		SAND (SP) , fine grained, brown, trace gravel	1.3	▽				
5		SAND (SP) , fine grained, brown	3.4				4	17
3		CLAYEY SAND (SC) , fine grained, gray	4.6					
		SAND (SP) , fine grained, gray, some sand to gravel size shell fragments	6.5					
		SAND (SP) , fine grained, brown	15.0					
Boring Terminated at 15 Feet			15					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hollow Stem Auger (HSA)

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Screen interval from 10 to 15 feet

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 0.3 at completion of installation



Boring Started: 10-31-2019

Boring Completed: 10-31-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

PIEZOMETER LOG NO. PZ-2

PROJECT: FPL Pathway Dry Detention Ponds

CLIENT: Village of Royal Palm Beach FL
Royal Palm Beach, FL

SITE: La Mancha Avenue
Village of Royal Palm Beach, FL

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 26.7275° Longitude: -80.2172° Surface Elev.: 17.3 (Ft.) ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	PERCENT FINES	WATER CONTENT (%)
2		SAND (SP) , fine grained, gray, with limerock gravel and some fine roots	0.9 16.5	▽				
5		SAND WITH SILT (SP-SM) , fine grained, dark brown	3.5 14					
		SAND (SP) , fine grained, brown	5.0 12.5					
3		CLAYEY SAND (SC) , fine grained, gray	5.6 11.5					
5		SAND (SP) , fine grained, gray	15.0 2.5					
Boring Terminated at 15 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: N/A

Advancement Method:
Hollow Stem Auger (HSA)

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).

Notes:

Abandonment Method:
Screen interval from 10 to 15 feet

See [Supporting Information](#) for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

▽ 1.2 at completion of installation



Boring Started: 10-31-2019

Boring Completed: 10-31-2019

Drill Rig: CME 45B

Driller: B. Phillips

Project No.: HD195036

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL HD195036 FPL PATHWAY DRY D.G.PJ TERRACON_DATATEMPLATE.GDT 4/2/20