



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

REPORT NO.:

PAGE: B-2.1

PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-03**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/14/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 6.5

DATE FINISHED: 12/14/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/14/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 5.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND [SP]						
		4-4-4	8			Loose brown fine SAND with silt [SP-SM]						
		7-5-4	9			Medium dense brown fine SAND [SP]						
5		4-7-8	15	▽		- loose						
		7-5-5	10	▼		- brown grey						
		3-3-3	6									
10		2-3-3	6									
15		1-1-2	3			Very loose grey silty fine SAND [SM]	20	22				
20		2-2-2	4			Loose dark grey brown claye fine SAND [SC]						
25		3-4-5	9			- grey brown						
30		17-18-25	43			- dense						
						BORING TERMINATED AT 30.0 FEET						

W-12588.GPJ



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

REPORT NO.:

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-05**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/15/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.5

DATE FINISHED: 12/15/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/15/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND [SP]						
		3-3-3	6			Loose brown fine SAND with clay [SP-SC]						
		1-2-2	4	▽		Loose brown clayey fine SAND [SC]						
5		4-3-3	6	▽		Loose grey brown silty fine SAND [SM]						
		3-2-2	4			— dark brown						
		2-2-2	4			— very loose	12	19				
10		2-1-1	2									
						Loose dark brown clayey fine SAND [SC]						
15		3-3-	6									
						— very loose						
20		2-1-2	3									
						— dense, grey green, with shell						
25		15-17-18	35									
						— very dense, grey brown						
30		16-32-29	61			BORING TERMINATED AT 30.0 FEET						

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PROJECT NO.: 0130.2200477.0000

REPORT NO.:

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-06**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX COMPANIES

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/14/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.0

DATE FINISHED: 12/14/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/14/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 3.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose grey brown fine SAND [SP]						
		4-5-5	10									
		4-3-3	6	▽		— very loose, light brown						
5		2-1-1	2									
		1-1-1	2			— loose, grey brown						
		1-3-4	7									
10		1-1-1	2									
15		1-1-2	3			Very loose dark grey brown silty fine SAND [SM]	31	53				
20		1-1-1	2									
25		2-3-5	8			Loose grey brown clayey fine SAND [SC]						
30		4-4-5	9			BORING TERMINATED AT 30.0 FEET						

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PROJECT NO.: 0130.2200477.0000

REPORT NO.:

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-08**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: ██████████

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/14/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.5

DATE FINISHED: 12/14/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/14/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND with clay [SP-SC]						
		4-3-3	6									
		4-2-3	5	▽								
				▽		Loose brown clayey fine SAND [SC]	14	39				
5		3-3-4	7			— medium dense, grey brown						
		3-6-8	14									
		4-5-6	11			Medium dense grey brown fine SAND with clay [SP-SC] — loose						
10		3-3-3	6									
15		4-4-4	8			Loose grey brown fine SAND [SP]						
20		5-6-5	11			— medium dense						
25		4-5-4	9			Loose grey brown fine SAND with clay [SP-SC]						
30		25-30-36	66			Very dense light brown clayey fine SAND [SC]						
						BORING TERMINATED AT 30.0 FEET						

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PROJECT NO.: 0130.2200477.0000

REPORT NO.:

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-10**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/16/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.0

DATE FINISHED: 12/16/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/16/2022

DRILLED BY: ORL - JB/IM

EST. SHGWT (ft): 3.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND with silt [SP-SM]						
		4-4-4	8	▽		-- medium dense						
		5-10-12	22	▼								
5		7-8-9	17			-- grey brown						
		4-6-6	12									
		5-6-5	11			-- loose						
10		6-5-5	10									
15		1-0-1	1			Very soft light grey silty CLAY with shell & wood [CL-M]	92	112				
20		1-1-1	2									
25		1-1-2	3			-- soft, dark grey						
30		8-15-15	30			Medium dense grey clayey fine SAND [SC]						
						BORING TERMINATED AT 30.0 FEET						

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-15**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/16/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 5.0

DATE FINISHED: 12/16/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/16/2022

DRILLED BY: ORL - JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND with silt [SP-SM]						
		3-3-3	6									
		3-3-5	8	▽		Loose brown silty fine SAND [SM]						
5		3-3-2	5	▼		— very loose, dark grey						
		1-1-1	2			Very loose dark grey fine SAND with silt [SP SM]	9	29				
		1-0-1	1			— grey, with shell						
10		1-1-2	3									
						Very loose light grey clayey fine SAND [SC]						
15		1-1-1	2									
						— loose, grey brown, with wood						
20		8-4-3	7									
						— medium dense, dark grey						
25		3-6-11	17									
30		4-5-6	11									
						BORING TERMINATED AT 30.0 FEET						

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PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **B-21**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/19/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 3.5

DATE FINISHED: 12/19/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/19/2022

DRILLED BY: ORL - CM/CA/JR/KF

EST. SHGWT (ft): 2.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose light brown fine SAND [SP]						
		4-4-4	8	▽		— brown						
		3-3-3	6	▼								
5		4-3-3	6			— light grey brown						
		3-3-2	5			— grey brown						
		2-2-4	6									
10		3-3-2	5									
						Very loose grey brown silty fine SAND [SM]	45	76				
15		1-1-1	2									
						Very loose grey brown clayey fine SAND [SC]						
20		1-2-1	3									
						— loose						
25		2-2-3	5									
						— medium dense						
30		4-7-8	15			BORING TERMINATED AT 30.0 FEET						

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PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-01**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/14/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.0

DATE FINISHED: 12/14/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/14/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 2.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND with clay [SP-SC]						
		3-3-4	7	▽								
		2-3-3	6	▼		Loose dark brown clayey fine SAND [SC]	26	20				
5		4-4-3	7			Loose brown fine SAND with clay [SP-SC]						
		2-2-3	5									
		3-3-3	6			Loose grey green clayey fine SAND with she l [SC]						
10		4-5-5	10			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-02**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/15/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.0

DATE FINISHED: 12/15/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/15/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 0.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0				▽		Loose brown clayey fine SAND [SC]						
		3-3.4	7			— dark grey brown						
		6-5.5	10	▼		Loose dark grey brown fine SAND with clay [SP-SC]						
5		2-2.3	5			— grey brown, with shell						
		2-2.3	5									
		3-4.4	8			Loose dark grey brown s y fine SAND [SM]	20	34				
10		4-4.5	9			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-03**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/15/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 6.0

DATE FINISHED: 12/15/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/15/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 5.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Medium dense light brown fine SAND [SP]						
4-5-6		11										
8-7-7		14										
5				▽								
5-6-6		12		▽		— loose, brown						
6-4-5		9										
3-4-3		7										
3-4-4		8										
10						BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												

PRELIMINARY



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-05**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/16/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.0

DATE FINISHED: 12/16/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/16/2022

DRILLED BY: ORL - JB/IM

EST. SHGWT (ft): 0.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0				▽		Loose brown clayey fine SAND [SC]						
		2-3-3	6				18	34				
		4-5-5	10	▼		Loose brown fine SAND with clay [SP-SC]						
5		2-2-2	4			Very loose grey brown silty fine SAND [SM]						
		1-1-1	2									
		1-1-1	2			-- brown						
10		1-1-2	3			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-07**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/19/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 3.0

DATE FINISHED: 12/19/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/19/2022

DRILLED BY: ORL - CM/CA

EST. SHGWT (ft): 2.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose grey fine SAND [SP]						
		2-3-3	6	▽								
		3-2-3	5	▼								
5		5-3-1	4			- very loose						
		1-1-1	2									
		1-0-1	1									
10		1-1-1	2			Very loose dark grey clay y fin SAND [SC]	32	56				
						BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-08**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/16/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.5

DATE FINISHED: 12/16/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/16/2022

DRILLED BY: ORL - JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND with silt [SP-SM]						
		3-4-4	8									
		3-3-4	7	▽								
				▽								
5		1-3-3	6									
		3-2-2	4			- very loose, grey brown	6	27				
		1-2-1	3			- loose						
10		2-3-3	6			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



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PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-09**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/19/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 5.0

DATE FINISHED: 12/19/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/19/2022

DRILLED BY: ORL - CM/CA

EST. SHGWT (ft): 4.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Medium dense grey fine SAND [SP]						
		3-5-6	11			— loose						
		5-4-3	7	▽								
5		3-3-3	6	▼								
		6-7-8	15			Medium dense grey clayey fine SAND [SC]	24	15				
		5-4-5	9			— loose						
10		5-5-4	9			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



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PROJECT NO.: 0130.2200477.0000

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PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-10**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: ██████████

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/19/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): NE

DATE FINISHED: 12/19/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED, NE = NOT ENCOUNTERED

DATE OF READING: 12/19/2022

DRILLED BY: ORL - CM/CA

EST. SHGWT (ft): 5.0

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose grey fine SAND with root [SP]						
		3-4-4	8			-- medium dense						
		7-5-7	12			-- loose						
5		6-5-4	9	▽		Medium dense grey clayey fine SAND [SC]	28	33				
		4-4-7	11			-- grey tan						
		6-5-7	12									
10		7-7-7	14			BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

REPORT NO.:

PAGE: B-2.16

PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **P-18**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/14/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 4.5

DATE FINISHED: 12/14/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/14/2022

DRILLED BY: ORL - KR/JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Medium dense brown fine SAND with clay [SP-SC]						
4-7-6		24				Medium dense brown fine SAND [SP]						
11-11-11		22		▽								
7-9-9		18		▽		Medium dense brown fine SAND with clay [SP-SC]						
5-6-7		13				- loose	6	23				
4-4-4		8										
3-4-4		8										
10						BORING TERMINATED AT 10.0 FEET						
15												
20												
25												
30												



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 0130.2200477.0000

REPORT NO.:

PAGE: B-2.17

PROJECT: GEOTECHNICAL EXPLORATION
LAKELAND INDUSTRIAL FACILITY
POLK COUNTY, FLORIDA

BORING I.D.: **SW-03**

SECTION:

TOWNSHIP:

SHEET: **1 of 1**

RANGE:

CLIENT: XXXXXXXXXX

G.S. ELEVATION (ft): N.S.

DATE STARTED: 12/16/22

LOCATION: SEE BORING LOCATION PLAN

WATER TABLE (ft): 5.5

DATE FINISHED: 12/16/22

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT SURVEYED

DATE OF READING: 12/16/2022

DRILLED BY: ORL - JB/IM

EST. SHGWT (ft): 3.5

TYPE OF SAMPLING: ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N BLOWS / FT	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT/DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose brown fine SAND [SP]						
		2-2-2	4									
		2-2-3	5	▽		Loose brown fine SAND with silt [SP-SM]						
						Loose grey green clayey fine SAND [SC]						
5		2-5-5	10	▼								
		4-4-5	9			Very loose brown fine SAND with clay [SP-SC]	36	55				
		1-2-2	3			-- loose						
10		4-3-3	6									
						-- with shell						
15		4-4-4	8									
						Soft grey green sandy CLAY [CL]	74	81				
20		2-1-2	3									
						-- loose						
25		4-2-2	4			BORING TERMINATED AT 25.0 FEET						
30												