

PROJECT NO.: 0130.0900053.0000 REPORT NO.: PAGE: B-2.1

GEOTECHNICAL EXPLORATION PROJECT:

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

HA-1 BORING I.D.:

SHEET:

1 of 1 RANGE: 30

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

WATER TABLE (ft):

5.7

DATE FINISHED:

3/8/09

DATE OF READING:

TOWNSHIP:

3/8/09

SECTION: 11

3/8/09

DRILLED BY:

UES - ORLANDO

SURVEYED HAND AUGER EST. SHGWT (ft): 3 TYPE OF SAMPLING: **ATTERBERG BLOWS** M B O ORG. DEPTH -200 MC LIMITS CONT. PER 6" (BLOWS/ W.T. DESCRIPTION (FT/ (FT.) (%) (%) **INCREMENT** DAY) FT.) 0 Gray fine SAND, traces of silt [SP] -- very light gray ∇ -- light brown _ BORING TERMINATED AT 6.0 FT. 10 15 20 25



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

HA-2 BORING I.D.:

SECTION: 11

DATE OF READING:

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

RANGE: 30

3/8/09

B-2.2

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

WATER TABLE (ft): 5.0 DATE FINISHED: 3/8/09

3/8/09

DRILLED BY: UES - ORLANDO

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)		S M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTEI LIN	RBERG MITS PI	K (FT/ DAY)	ORG CONT (%)
0				∇		Gray brown fine SAND with silt [SP-SM] Dark brown ORGANIC SILT with fine sand [OL]		85				31
5 — - - - 10 —	-					Dark brown silty fine SAND with roots and organics [SM-OL] BORING TERMINATED AT 6.0 FT.						
- - - - 20 —												
- - -												



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

HA-3 BORING I.D.:

SECTION: 11

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

3/8/09

B-2.3

RANGE: 30

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

WATER TABLE (ft): 4.0 DATE FINISHED: 3/8/09

DATE OF READING: 3/8/09 DRILLED BY: UES - ORLANDO

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 (%)	ATTEI LIN	RBERG MITS	K (FT/ DAY)	ORG CON (%)
0				_∇_		Dark brown fine SAND with silt, trace roots [SP-SM]						
5—						light gray brown, with roots						
-						BORING TERMINATED AT 6.0 FT.						
10 —			•••••					••••			***********	
-												
15 —												
20 —			•••••	******				••••				
-												
25 —												



W-06914.GPJ

UNIVERSAL ENGINEERING SCIENCES **BORING LOG**

PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

BORING I.D.:

SECTION: 11

DATE OF READING:

P-1

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

3/8/09

UES - ORLANDO

B-2.4

RANGE: 30

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

3/8/09

WATER TABLE (ft): 5.7 DATE FINISHED: 3/8/09

EST. SHGWT (ft): TYPE OF SAMPLING: ASTM D 1586

DRILLED BY:

	SURVEYED				EST. SHGWT (ft):	0	TYI	PE OF SA	AMPLING:	ASTM E	1586
DEPTH M P	BLOWS PER 6"	N (BLOWS/	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTEF LIM	RBERG MITS	K (FT/	ORG. CONT.
L E	INCREMENT	FT.)		O L		(70)	(70)	LL	PI	DAY)	(%)
0	7		∇		Very loose gray brown fine SAND with silt [SP-SM]						
	5-2-2	4									
	1-2-2	4			Very loose dark brown silty fine SAND with organics [SM-OL]						
5	2-1-1	2	_₩		very dark brown	27	15				6
	1-0-0	WOR			very dark blown						
	1-1-2	3			Very loose very dark brown fine SAND with silt [SP-SM] loose						
10	3-4-3	7									
					light brown						
15	3-4-5	9			BORING TERMINATED AT 15.0 FT.						
20											
25 — …											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

P-3 BORING I.D.:

DATE OF READING:

SECTION: 11

TOWNSHIP: 26

3/6/09

SHEET:

1 of 1 RANGE: 30

UES - ORLANDO

B-2.6

G.S. ELEVATION (ft): N.S. DATE STARTED: 3/6/09

PAGE:

WATER TABLE (ft): 6.3 DATE FINISHED: 3/6/09

EST. SHGWT (ft): ASTM D 1586 2 TYPE OF SAMPLING:

DRILLED BY:

DEPTH (FT.)	S A M P L	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTEF LIM	RBERG IITS	K (FT/ DAY)	ORG. CONT. (%)
0-						Loose gray brown fine SAND with silt [SP-SM]						
	\bigvee	4-5-4 11-13-12	9 25			medium dense, trace rock						
5—		9-13-18	31			dense						
-	\bigvee	13-8-8 5-3-3	16 6			Medium dense dark brown silty fine SAND [SM] loose	12	28				
10 —	X	4-4-3	7									
_						Medium dense brown fine SAND with silt [SP-SM]						
15 —	X	4-6-6	12			BORING TERMINATED AT 15.0 FT.						
-						BOTAING TERMINATED/IT 10.011.						
-												
20 —												
W-06914.GP.												



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION:

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

SURVEYED

BORING I.D.:

SECTION: 11

P-4

TOWNSHIP: 26 SHEET:

1 of 1 RANGE: 30

B-2.7

G.S. ELEVATION (ft):

N.S.

DATE STARTED:

3/6/09

SEE BORING LOCATION PLAN

WATER TABLE (ft):

5.0

DATE FINISHED:

PAGE:

3/6/09

DATE OF READING:

3/6/09 DRILLED BY: UES - ORLANDO

EST. SHGWT (ft):

1.5

TYPE OF SAMPLING:

ASTM D 1586

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	RBERG IITS PI	K (FT/ DAY)	ORG. CONT. (%)
0						Loose gray brown fine SAND with silt [SP-SM]					
-	X	4-4-5	9								
5 		4-4-3 2-2-3	7	. .		Loose very dark brown fine SAND with silt			 		
-	M	2-2-2	4			very loose					
_	X	3-4-4	8			loose	9	27			
10 —	/\	4-5-3	8						 	**********	
_						medium dense					
- 15 	X	7-7-7	14			BORING TERMINATED AT 15.0 FT.			 		******
-											
-											
20 —									 		
-											
- 25 —									 		



REMARKS:

UNIVERSAL ENGINEERING SCIENCES **BORING LOG**

PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT

P-5 BORING I.D.:

SECTION: 11

TOWNSHIP: 26

SHEET:

1 of 1 RANGE: 30

B-2.8

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

WATER TABLE (ft):

5.0

DATE FINISHED:

PAGE:

3/6/09

DATE OF READING: 3/6/09

DRILLED BY:

3/6/09

UES - ORLANDO ACTM D 4500

	SURVEYED				EST. SHGWT (ft):	0.5	TY	PE OF SA	AMPLING	: ASTM [) 1586
DEPTH M (FT.) P L	PER 6"	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTEF LIM LL	RBERG IITS PI	K (FT/ DAY)	ORG. CONT. (%)
0	7		✓		Medium dense brown fine SAND [SP]						
	6-6-8	14			Loose gray brown silty fine SAND, trace roots [SM]	_					
5—	8-4-2 3-2-2	6			very loose	13	27				
	3-3-3	6			Loose dark brown fine SAND with silt [SP-SM]						
	4-8-10	18			medium dense						
10	7-9-12	21			Medium dense gray brown fine SAND [SP]						
_											
					light gray						
15	6-8-6	14			BORING TERMINATED AT 15.0 FT.						
-											
20											
25—…											



PROJECT NO.: 0130.0900053.0000

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1 of 1

UES - ORLANDO

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

BORING I.D.: P-6

DATE OF READING:

BORING I.D.: P-

TOWNSHIP: 2

SHEET:

: 26 RANGE: 30

G.S. ELEVATION (ft): N.S. DATE STARTED: 3/6/09

3/6/09

WATER TABLE (ft): 5.3 DATE FINISHED: 3/6/09

EST. SHGWT (ft): 0.5 TYPE OF SAMPLING: ASTM D 1586

DRILLED BY:

PAGE:

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 (%)	ATTEF LIM	RBERG IITS PI	K (FT/ DAY)	ORG. CONT (%)
0 —				_∇_		Medium dense light gray brown fine SAND, trace of silt [SP]	5	16				
-	M	4-5-7	12				-					
_	M	4-3-3	6			Loose brown silty fine SAND [SM]						
5—	M	2-1-2	3	<u>w</u>		Medium dense dark brown fine SAND with silt						
_	M	7-8-9	17			[SP-SM]						
-	M	7-7-10	17									
_	M					Medium dense light brown fine SAND [SP]						
10 —	<u> </u>	8-9-8	17									
_	_											
_		6-6-6	42			Medium dense light gray brown silty fine SAND [SM]						
15 —		0-0-0	12			BORING TERMINATED AT 15.0 FT.						
_	_											
_												
20 —												
_												
_	-											
-												
25 —	1											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

REMARKS: SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT BORING I.D.:

SECTION: 11

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

B-2.10

RANGE: 30

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

DATE STARTED:

3/6/09

WATER TABLE (ft):

5.7

DATE FINISHED:

3/6/09

DATE OF READING:

3/6/09

DRILLED BY:

UES - ORLANDO

\$	SURVEYED				EST. SHGWT (ft):	1	TYF	PE OF SAME	PLING:	ASTM D	1586
DEPTH M P L E	BLOWS PER 6" NCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBE LIMITS		K (FT/ DAY)	ORG. CONT. (%)
0					Loose brown fine SAND, trace of silt [SP]						
	3-4-5	9									
	3-4-4	8			Loose gray fine SAND with silt [SP-SM]						
5—/											
	3-3-4	7	▼		very loose, brown						
	3-2-2	4			medium dense, light brown	11	24				
	10-12-13	25									
10	11-11-11	22									
					Loose light gray brown silty fine SAND [SM]						
	3-4-6	.10									
15 - ()					BORING TERMINATED AT 15.0 FT.						
-											
20 —											
JGD. –											
W-06914.GPJ											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

P-8 BORING I.D.:

SECTION: 11

TOWNSHIP: 26

1 of 1 SHEET:

B-2.11

RANGE: 30

PAGE:

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

3.7

3/6/09

WATER TABLE (ft): DATE OF READING:

DATE FINISHED:

3/6/09

3/6/09

DRILLED BY:

UES - ORLANDO

		SURVEYED				EST. SHGWT (ft):	1	TY	PE OF SAM	IPLING:	ASTM [1586
DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERB LIMIT	ERG S PI	K (FT/ DAY)	ORG. CONT. (%)
0 —	+					Loose light brown fine SAND with silt [SP-SM]			ļ			
-				又								
-	$+\!\!\!\!/\!\!\!\!/$	3-4-5	9									
-	$ \bigvee$											
-	\wedge	6-7-5	12	_		medium dense, gray brown						
5-	X	3-4-5	9			loose	9	34				
-	\overline{M}	3-4-3	9									
-	\triangle	2-2-2	4			very loose						
-	$\rfloor \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$					Loose dark brown silty fine SAND [SM]						
-	\mathcal{H}	1-2-3	5									
10 —	Λ	3-3-3	6			light gray brown						
10												
						Medium dense very light gray brown fine SAND with silt [SP-SM]						
-	$ \rightarrow $											
-	\mathbb{N}	4-5-7	12									
15 —						BORING TERMINATED AT 15.0 FT.						
-												
-												
-												
-												
20 —												
-	+											
-	+											
-	+											
-	+											
25 —	<u> </u>											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

B-2.12

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

BORING I.D.:

P-9 SECTION: 11

TOWNSHIP: 26

PAGE:

SHEET:

1 of 1 RANGE: 30

G.S. ELEVATION (ft):

N.S.

DATE STARTED:

3/6/09

WATER TABLE (ft):

3.5

DATE FINISHED:

3/6/09

DATE OF READING:

3/6/09

DRILLED BY:

UES - ORLANDO

EST. SHGWT (ft):

1

TYPE OF SAMPLING:

ASTM D 1586

(FT)	S M P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O	DESCRIPTION	-200 (%)	MC (%)	ATTER LIM	RBERG IITS	K (FT/ DAY)	ORG. CONT. (%)
0-	<u> </u>				L	Loose light gray fine SAND [SP]						
	X	3-3-4	7	_		Loose dark brown fine SAND with silt [SP-SM]	-					
5—	X	3-4-5	9			Loose dark brown silty fine SAND [SM]						*****
	X	4-4-4 2-2-2	8			very loose						
		2-2-3	5			Loose light gray brown fine SAND with silt						
10 —	$\sqrt{}$	3-3-5	8			Loose light gray brown fine SAND with silt [SP-SM]						
10												
_												
15 —	X	3-5-4	9					************				
_						BORING TERMINATED AT 15.0 FT.						
-												
20												
20 —												
_												
25 —	•••											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

B-2.13

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN REMARKS:

SURVEYED

P-10 BORING I.D.:

1 of 1 SHEET:

SECTION: 11 TOWNSHIP: 26 RANGE: 30

G.S. ELEVATION (ft):

N.S.

DATE STARTED:

PAGE:

3/6/09

WATER TABLE (ft): DATE OF READING: 3.8

DATE FINISHED:

3/6/09

SHGWT = SEASONAL HIGH GROUNDWATER TABLE, N.S. = NOT

3/6/09 DRILLED BY:

UES - ORLANDO

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTEF LIM LL	RBERG IITS PI	K (FT/ DAY)	ORG. CONT. (%)
0-						Medium dense very light gray fine SAND [SP]						
-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7-8-7	15			Medium dense very dark brown fine SAND with silt [SP-SM]						
- 5—		7-7-5 3-3-5	12			loose	11	28		*******		••••
-		3-3-5	2			very loose						
-	\bigvee	2-3-4	7			Loose very dark brown fine SAND with silt [SP-SM]						
10 —		6-8-9	17			medium dense				******		••••
-												
- 15 <i>-</i>	X	.10-11-11	22			Medium dense very light gray brown fine SAND [SP]						
-						BORING TERMINATED AT 15.0 FT.						
-												
20 —										******		**********
-												
-06914.GPJ												
25 —	1											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

P-11 BORING I.D.:

1 of 1 SHEET:

B-2.14

TOWNSHIP: 26 RANGE: 30

PAGE:

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

DATE STARTED:

3/6/09

WATER TABLE (ft): DATE OF READING:

SECTION: 11

3.7

DATE FINISHED:

3/6/09

3/6/09 DRILLED BY: UES - ORLANDO

EST. SHGWT (ft): ASTM D 1586 1 TYPE OF SAMPLING:

DEPTH (FT.)	S A M P	BLOWS PER 6"	N (BLOWS/	W.T.	S Y M B	DESCRIPTION	-200 (%)	MC (%)	ATTE	RBERG MITS	K (FT/	ORG CON (%)
(1 1.)	P L E	INCREMENT	FT.)		B O L		(70)	(76)	LL	PI	DAY)	(%)
0 —					e e come							
				又		Loose brown fine SAND with silt [SP-SM]						
_	М											
_	M	3-4-4	8			Loose light brown fine SAND [SP]	-					
_	M											
	M	4-5-5	10	┻								
	M					Loose dark brown fine SAND with silt [SP-SM]						
5—		6-3-4	7									
_	M											
_		4-5-5	10				7	23				
						shade lighter						
_		3-3-2	5									
_												
10 —	Μ.	4-4-4	8									
_						medium dense, light brown						
_												
_	М											
45	M	8-9-13	22									
15 —						BORING TERMINATED AT 15.0 FT.]					
_												
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20 —												
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25 —	ļļ.				ļ							



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

P-14 BORING I.D.:

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

B-2.17

RANGE: 30

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

WATER TABLE (ft):

4.2

DATE FINISHED:

3/6/09

SECTION: 11

3/6/09

DATE OF READING: FOT CLICAT (A)

3/6/09

DRILLED BY:

UES - ORLANDO ACTM D 4500

	SURVEYED				EST. SHGWT (ft):	1.5	TYI	PE OF SA	AMPLING	: ASTM [D 1586
DEPTH M (FT.) P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTEF LIM LL	RBERG IITS PI	K (FT/ DAY)	ORG. CONT. (%)
0					Loose light gray fine SAND with silt [SP-SM]						
	6-6-4	10	≖		dark brown						
	3-3-5	8	•								
5—	4-4-3 3-4-5	9			Loose very dark brown silty fine SAND [SM]						
	3-2-2	4			very loose						
10	2-1-1	2			BORING TERMINATED AT 10.0 FT.		•••••				
-											
15											
20 — …											
LG0 -											
W-06914.GPJ											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

B-2.18

RANGE: 30

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

P-15 BORING I.D.:

TOWNSHIP: 26

PAGE:

1 of 1 SHEET:

G.S. ELEVATION (ft):

SECTION: 11

DATE STARTED:

3/6/09

WATER TABLE (ft):

N.S. 4.3

DATE FINISHED:

3/6/09

SURVEYED

DATE OF READING:

3/6/09

DRILLED BY:

UES - ORLANDO

TYPE OF SAMPLING: EST. SHGWT (ft): ASTM D 1586 1.5

DEPTH (FT.)	SAMPLE	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	RBERG IITS	K (FT/ DAY)	ORG. CONT. (%)
0-	E				E AL LINE A				 		
_						Medium dense light gray fine SAND [SP]					
_	M					dark brown	Ì				
_	\mathbb{H}	7-9-9	18			light brown					
_	\triangle	5-4-5	9			Loose light brown fine SAND with silt [SP-SM]					
5	\mathbb{N}			▼					 		
_	$\langle \cdot \rangle$	2-1-2	3			very loose, dark brown					
_	Д	5-4-4	8			loose					
_	X										
_	\bigvee	4-4-4	8								
10 —	Δ	6-5-5	10			shade lighter			 		
_						BORING TERMINATED AT 10.0 FT.					
_											
_											
_											
15 —									 		
_											
_											
-	-										
_											
20 —	ļ								 		
_											
_											
_											
_											
25 —	ļ								 		



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

B-2.19

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

P-16 BORING I.D.:

RANGE: 30

1 of 1 SHEET:

G.S. ELEVATION (ft):

N.S.

3/6/09

DATE STARTED:

3/6/09

WATER TABLE (ft):

SECTION: 11

4.0

DATE FINISHED:

PAGE:

TOWNSHIP: 26

3/6/09

DATE OF READING:

DRILLED BY:

UES - ORLANDO

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 (%)	ATTERE LIMIT	BERG IS PI	K (FT/ DAY)	ORG. CONT. (%)
0 —						Loose gray fine SAND [SP]			ļ			
- - -		4-4-5 4-4-4	9	▼.		Loose dark brown silty fine SAND [SM]						
5 — -		3-2-3 2-3-4	5	******			13	22				
-		3-4-7 6-9-8	11 17			medium dense						
10 —	-		!/		c spylo3	BORING TERMINATED AT 10.0 FT.	4					
- 15 —	-											
-	-											
20 —	-			*****			•••••					
- -	-											
25 —	J											



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

P-17 BORING I.D.:

TOWNSHIP: 26

PAGE:

SHEET:

1 of 1 RANGE: 30

B-2.20

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

DATE STARTED:

3/6/09

WATER TABLE (ft):

3.2

DATE FINISHED:

3/6/09

DATE OF READING:

SECTION: 11

3/6/09

DRILLED BY:

UES - ORLANDO

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	0	DESCRIPTION	-200 (%)	MC (%)	ATTEI LIN	RBERG MITS	K (FT/ DAY)	ORG CONT (%)
	E				L				LL	FI		
0 —	1					Medium dense gray fine SAND [SP]					•••••	
_	\sqcup			∇								
	V					· · · · · · · · · · · · · · · · · · ·						
_	\square	4-5-6	11									
_	M			▼		Loope light gray brown fine SAND with eilt						
	M	3-3-2	5			Loose light gray brown fine SAND with silt [SP-SM]						
	M					madium dansa harris						
5—		7-8-11	19			medium dense, brown						
_	М	-										
	$ \lambda $	7-6-6	12									
_	М	, 00										
_	X	4-5-6	11			shade darker						
	\mathbb{H}	4-5-0	''			Shade darker						
] $[$	0.00	4.4									
10 —	/\	6-6-8	14		34.2.1.2.A.	BORING TERMINATED AT 10.0 FT.						
_												
_	1											
_	+											
						· ·						
15 —												
_	4											
_	1											
_	$\ \ $											
_												
20 —	1				·····							
-	$\mid \mid$											
_	1											
-	+											
_												
25 —					ļ							



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

P-18 BORING I.D.:

TOWNSHIP: 26

SHEET:

RANGE: 30

B-2.21

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

PAGE:

3/6/09

WATER TABLE (ft):

SECTION: 11

4.0

DATE STARTED: DATE FINISHED:

3/6/09

DATE OF READING:

3/6/09

DRILLED BY:

UES - ORLANDO

1 of 1

		SURVEYED				EST. SHGWT (ft):	1	TY	PE OF SAMPLING	: ASTM [O 1586
DEPTH (FT.)	SAMPLE	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. (%)
0 —						Loose dark gray brown fine SAND [SP]		<u></u>	 	*********	
-	+			又							
-	$+$ $\!$	3-3-4	7								
-	-					Very loose gray brown silty fine SAND, trace roots [SM]					
-	+	4-3-1	4	•			15	29			
5 —	- X	5-6-8	14			- medium dense, brown					
-	$\overline{\mathbb{M}}$					Medium dense brown fine SAND with silt [SP-SM]					
-	\longrightarrow	5-7-5	12								
-	-X	4-3-4	7			loose					
-	-										
10 —	<u> </u>	3-3-3	6			BORING TERMINATED AT 10.0 FT.					
-	+										
-	+										
-	+										
-	+										
15 —											
-	+										
-	+										
-	+										
-	$+ \mid$										
20 —	<u> </u>										
-	+										
	$\left \cdot \right $										
-	$+ \mid$										
-	+										
25 —	<u> </u>										



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

PROJECT: GEOTECHNICAL EXPLORATION

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

BORING I.D.:

P-19

TOWNSHIP: 26

SHEET:

RANGE: 30

B-2.22

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

DATE STARTED:

3/6/09

WATER TABLE (ft): DATE OF READING:

SECTION: 11

6.0 3/6/09 DATE FINISHED:

3/6/09

DRILLED BY:

PAGE:

UES - ORLANDO

1 of 1

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N (BLOWS/ FT.)	W.T.	SYMBOL	DESCRIPTION	-200 (%)	MC (%)	ATTER LIM	RBERG IITS PI	K (FT/ DAY)	ORG. CONT. (%)
0						Loose brown fine SAND with silt [SP-SM]						
-	X	3-2-3	5									
_	X	3-2-2	4			very loose						
5		3-4-4	8	······		loose, gray brown						
_	\bigvee	5-4-4	8			Loose very dark brown silty fine SAND, trace roots [SM] medium dense						
_		4-5-7	12									
10 —	/\	6-6-8	14		97.000	BORING TERMINATED AT 10.0 FT.						
_												
-												
15 —												
_												
20 —												
_												
_												
25—												



PROJECT NO.: 0130.0900053.0000 REPORT NO.:

GEOTECHNICAL EXPLORATION PROJECT:

ST. CLOUD HIGH SCHOOL RENOVATIONS

OSCEOLA COUNTY, FLORIDA

CLIENT: BRPH ARCHITECTS-ENGINEERS, INC.

LOCATION: SEE BORING LOCATION PLAN

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

SURVEYED

BORING I.D.:

SECTION: 11

P-20

TOWNSHIP: 26 SHEET:

RANGE: 30

B-2.23

1 of 1

3/6/09

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

WATER TABLE (ft): DATE FINISHED: 3/6/09 5.7

DATE OF READING: 3/6/09 DRILLED BY: UES - ORLANDO

ASTM D 1586 EST. SHGWT (ft): 2 TYPE OF SAMPLING:

PAGE:

