Enclosure (1)

Subsurface Investigations			Maryland State Police Barracks "V" Site			Contract Number: 00MD0118 Boring Number: B - 1 Sheet: 1 of 2				
Test Bu		<u></u>								
Client: State of Maryland				Groundwater Observations						
Dept. of Budget and Manag Telecommunications Divisi		-				Depth	Casing	Caved		
						Ale a a				
-	Boring Foreman: J. Boyce Drilling Method: 3.25" ID			Encountered			None			
		5 (Note 1)	Completion	11/26/01	1:00 PM	17.1	38.5'			
Checked	t By:	K. Light	body	Casing Pulled	11/26/01	1:20 PM	None to 8.5'		8.5' & dry	
	-	11/06/	01	Overnight	11/27/01	6:50 AM	None to 9.2'			
	Started: Completed:	11/26/ 11/26/		Overnight	11/2//01	0.50 AM	10 9.2		9.2' & dry	
	: As Shown on S	Skotch				 		 	<u>├</u>	
Ground	Surface Elevation	on: Not F	Provided	See Ge	neral Notes	and Borin	a Location	Plan		
		1					geodaon			
Sa Depth	mpling Data	Depth	1	Strata Description			Class	Remarks		
			Topsoil				Class Kentaliks		indikos	
0.0	2+4+5	0.4	Sandy sill	FILL, moist, brown			- 1	1		
2.0	2+1+2			.,,						
4.0	2+1+2	3.0	Sandy SI	ndy SILT,moist, gray				1		
6.5	2+3+2	6.5	Poorly gr	ided SAND, trace silt, moist, gray and brown			SP]		
	2+2+2			- wet @ 9'						
9.0	2+2+2			- wel @ 9						
14.0	2+1+2	14.0		Poorly graded SAND with silt, moist, white and brown			SP	·		
				aued SAND with Sill,	J JF					
19.0	2+2+3		- trace gravel, contains coarse sand,							
				wet @ 19'						
			1							
24.0	1/24"									
27.0	1127									
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GeoServices Corporation Subsurface Investigations Test Boring Log			Project: Proposed Radio Tower Marlyand State Police Barracks "V" Site Berlin, MD	Contract N Boring Nur Sheet: 2 c	lumber: 00MD0118 mber: B - 1 of 2
Sampling			Strata		
Depth	Data	Depth	Description	Class	Remarks
20.0	0.4.4				
29.0	2 + 4 + 4	29.0			
			Poorly graded SAND with gravel, wet, white	SP	
			· · · · · · · · · · · · · · · · · · ·		
		1			
34.0	4 + 3 + 5		- trace silt below 34'		
		Į			
	4 . 5 . 0				
38.5	4 + 5 + 8				
		40.0		1	
			Bottom of Boring @ 40'		
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GeoServices Corporation Project Subsurface Investigations Test Boring Log			Project:	Maryland State Police Barracks "V" Site			Contract Number: 00MD0118 Boring Number: B - 2 Sheet: 1 of 2		
Client: State of Maryland			Groundwater Observations						
Dept. of Budget and Man Telecommunications Div				Date	Time	Depth	Casing	Caved	
Boring F	Boring Foreman:J. BoyceDrilling Method:3.25" IDDrilling Equipment:CME-55			Encountered			None		
-			HSA 5 (Note 1)	Overnight (Note 2)	11/27/01	6:50 AM	14.8'	29'	
Checked By: K. Lightbod		body	Completion	11/27/01	7:20 AM	17.1	38.5		
	Started:	11/26/		Casing Pulled	11/27/01	7:45 AM	9.8'		11.1'
ł	Completed:	11/27/	01	Short Term	11/27/01	10:30 AM	9.5'		10.1'
	: As Shown on S								
Ground	Surface Elevatio	on: Not P	Provided	See Gen	eral Notes				
Sampling				Strata					
Depth	Data	Depth	Topsoil	Description			Class	Ren	narks
0.0	2 + 7 + 6	0.4		D, moist, gray			SM		
2.0	1 + 4 + 3								i I
4.0	3 + 4 + 4	4.0	Poorly ar	aded SAND, trace silt,	moist. brow	n	SP	-	
6.5	2+4+7	6.5		- silt layer @ 5' aded SAND, moist, gray and brown					
0.0			Poorly gra				SP		
9.0	3 + 4 + 5			- wet @ 9'					
		13.0							
14.0	2+2+2		Poorly gr	aded SAND, trace silt, wet, white and brown - trace gravel @ 14'			SP		
				- trace gravel @ 14					
19.0	2+1+2								
19.0	21112								
24.0	1+1+1								
	te ti Otenderd	Donotro	tion Tosta	done using safety ham	mor				

Note 1: Standard Penetration Tests done using safety hammer

Note 2: Boring was started on 11/26/01 and drilled to 29 ft. before stopping for the day. Water level was recorded on morning of 11/27/01 before drilling was continued.

GeoSe	vices Corporati	on	Project: Proposed Radio Tower	Contract N	lumber: 00MD0118
Subsurface Investigations Test Boring Log			Marlyand State Police Barracks "V" Site	Boring Nu	mber: B - 2
lest Bo			Berlin, MD	Sheet: 2 c	of 2
Sa	mpling		Strata		
Depth	Data	Depth	Strata Description	Class	
		· · · · · · · · · · · · · · · · · · ·		Cidos	Remarks
29.0	2 + 2 + 4				
34.0	3+2+5		- trace gravel at 34'		
38.5	5+6+5		· · · · · · · · · · · · · · · · · · ·		
		39.5	Fat CLAY, moist, gray		
1		40.0		CH	
[Bottom of Boring @ 40'		
1					
1					
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				,	

Subsurface Investigations			Maryland State Police Barracks "V" Site Bo			Contract Number: 00MD0118 Boring Number: B - 3			
Test Boring Log			Berlin, MD Sheet: 1 of 2						
	State of Marylan			Groundwater Observations					
Dept. of Budget and Management Telecommunications Division				Date	Time	Depth	Casing	Caved	
Boring Foreman: J. Boyce			Encountered			None			
Drilling N Drilling E		3.25" ID HSA CME-55 (Note 1)		Completion	11/27/01	10:10 AM	17.5'	38.5'	
Checked	Checked By: K. Lightbody		Casing Pulled	11/27/01	10:45 AM	10.3'		11.3'	
	Dates Started: 11/27/01 Completed: 11/27/01			Backfilled Upon Completion					
Location	: As Shown on S	Sketch							
Ground	Surface Elevatio	on: Not P	rovided	See Gen	eral Notes	and Borin		Plan	
	·····						g Loodion		
Sar Depth	npling Data	Depth	[Strata Descriptio	Class	Remarks			
0.0	3+6+7		Topsoil						
2.0	2 + 4 + 4	1.0	Sandy SIL	ndy SILT, moist, gray and brown					
4.0	2 + 4 + 4								
		5.0	Silty SAN	ilty SAND, moist, brown and gray					
6.5	5+8+9	6.0	Poorly gra						
9.0	5+6+7			- wet @ 9'					
14.0	2 + 1 + 2					······		-{	
			Poorly gr	aded SAND with silt, wet, white and brown			SP		
19.0	2+2+3			- contains silt pocke	- contains silt pockets @ 19'				
24.0	1+1+1			- trace gravel @ 24'					

GeoServices Corporation			Project Proposed Radio Tower	Contract N	umber: 00MD0118
Subsurface Investigations Test Boring Log			Marlyand State Police Barracks "V" Site	Boring Nur	nber: B - 3
I est Bo		·	Berlin, MD	Sheet: 2 o	of 2
Sampling			Strata		
Depth	Data	Depth	Description	Class	Remarks
29.0	44648				Romans
29.0	4 + 6 + 8				
•					
34.0	4+1+3				
34.0	4113				
38.5				,	
30,5	5 + 8 + 8				
		40.0			
			Bottom of Boring @ 40'		
				-	
			· · ·		
1					
				·/	

Enclosure (1) Contract No.01MD0118

GENERAL NOTES

- 1 Numbers in the "sampling data" column indicate the number of blows required to drive a 2 inch O.D., 1-3/8 inch I.D. sampling spoon through three 6 inch intervals or as indicated, using a 140 pound hammer falling 30 inches, per ASTM D-1586.
- 2. Classification of soil is by visual inspection and is in general accordance with the Unified Soil Classification System. Symbols in parentheses, i.e. (SP), are Unified Soil Classification Group Symbols by visual inspection.
- 3. Water level observations are included on each log. Water levels may vary from precipitation, porosity of the soil, site topography, or other conditions.
- 4. All borings made by hollow stem auger.
- 5. Boring locations were selected and marked by others. Elevations were not provided.
- 6. The boring logs and related information depict subsurface conditions only at these specific locations and at the particular time when drilled. Soil conditions at other locations may differ from conditions occurring at these boring locations. Also, the passage of time may result in a change in the subsurface soil and groundwater conditions at these boring locations.
- 7. The stratification lines represent the approximate boundary between soil types as determined in the drilling and sampling operation. Some variation may also be expected vertically between samples taken. The soil profile, water level observations and penetration resistances presented have been made with reasonable care and accuracy and must be considered only an approximate representation of subsurface conditions to be encountered at the particular location.