<u> </u>	door Communication		Drainate	Droposed Dedic To-	10.5		Contract N	umber 00t	4D0445	
	rices Corporati		Project:	·			Contract Number: 00MD0118 Boring Number: B - 1			
Subsurface Investigations Test Boring Log			7			Sheet: 1 of 2				
1 631 001	ing Log		L		Greet. 1 of 2					
Client:	State of Marylar	nd		Groundwater Observations						
Dept. of Budget and			-					,		
	Telecommunications Div		rision		Date	Time	Depth	Casing	Caved	
- ·				Encountered			None			
Boring F		J. Boyce 3.25" ID		Encountered	-		None			
	netiloa. Equipment:		Note 1)	Completion	11/26/01	1:00 PM	17.1	38.5'		
יייווטן.	equipitioni.		(10.0 1)		111201		None		 	
Checked	I Ву:	K. Light	body	Casing Pulled	11/26/01	1:20 PM	to 8.5'		8.5' & dry	
							None			
	Started:	11/26/		Overnight	11/27/01	6:50 AM	to 9.2'		9.2' & dry	
	Completed:	11/26/	01				ŀ		1	
l ocation	: As Shown on S	Sketch							 -	
Location						1				
Ground	Surface Elevation	on: Not F	Provided							
				See Ge	neral Notes	and Borin	g Location	Plan		
	mpling		1	Strata			l o			
Depth	Data	Depth	Topsoil	Descript	Class	Remarks				
0.0	2+4+5	0.4	Tupsoll	/11				4		
"."	2.4.0] "	Sandy sill	, FILL, moist, brown						
2.0	2+1+2	-		•				1		
		3.0					+	1		
4.0	2+1+2	1	Sandy SI	LT,moist, gray	ML					
6.5	2+3+2	6.5						1		
0.5	2+3+2	0.5	Poorty or	aded SAND trace sill	SP					
			l' cony gi	graded SAND, trace silt, moist, gray and brown				İ		
9.0	2+2+2			- wet @ 9'				}		
		1								
		1						1		
		1								
14.0	2+1+2	14.0	<u></u>					4		
17.0	2.,,,	1 7.0		aded SAND with silt.	moist, white	and brown	SP	1		
1		1	Poorly graded SAND with silt, moist, white and brown]	1		
							1.			
	1									
19.0	2+2+3	l		- trace gravel, con	ntains coarse	sand,	1			
	!			wet @ 19'						
	1	1						}		
		İ								
24.0	1/24"	1								
1										
			}				1			
L	<u> </u>	<u></u>								

Note 1: Standard Penetration Tests done using safety hammer

Cassa	GeoServices Corporation Project: Proposed Radio Tower Contract Number: 00MD0449									
Subsur	vices Corporati face Investigation	one one	Project: Proposed Radio Tower	Contract N	umber: 00MD0118					
Test Bo	ring Log	OHS	Marlyand State Police Barracks "V" Site Berlin, MD	Boring Nur	nber: B - 1					
			2000, 100	Sheet: 2 c)					
Sampling			Strata							
Depth	Data	Depth	Description	Class	Remarks					
300	2 . 4 . 4									
29.0	2 + 4 + 4	29.0	Poorty graded SAND with ground and bit							
		<u> </u>	Poorly graded SAND with gravel, wet, white	SP						
			·							
34.0	4 + 3 + 5	•	- trace silt below 34'							
				[
				1						
38.5	4 + 5 + 8									
		40.0		 						
			Bottom of Boring @ 40'		•					
			Decem of Bonnig @ 40							
			,							
	:			.						
		1								
1										
		1								
		1								
1		[
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				1						

GeoServices Corporation Subsurface Investigations Test Boring Log			Project:	Maryland State Police Barracks "V" Site Boring N				ct Number: 00MD0118 Number: B - 2 1 of 2		
Client:	State of Marylan	ıd		Groundwater Observations						
Dept. of Budget and Mar Telecommunications Div				Date	Time	Depth	Casing	Caved		
Boring F		J. Boyce		Encountered			None			
Drilling Drilling	Method: Equipment:	3.25" ID CME-55	HSA (Note 1)	Overnight (Note 2)	11/27/01	6:50 AM	14.8'	29'		
Checke	Checked By: K. Light		body	Completion	11/27/01	7:20 AM	17.1	38.5		
Dates	Started:	11/26/		Casing Pulled	11/27/01	7:45 AM	9.8'		11.1'	
	Completed:	11/27/	U1	Short Term	11/27/01	10:30 AM	9.5'		10.1'	
	n: As Shown on S						<u> </u>			
Ground	Surface Elevation	on: Not P	rovided	See Gen	eral Notes	·				
Sampling			Strata			1				
Depth	Data	Depth	Topsoil	Description	1		Class	Ren	narks	
0.0	2+7+6	0.4	Silty SAN	D, moist, gray			SM			
2.0	1+4+3								ı	
4.0	3+4+4	4.0	Poorly gra	aded SAND, trace silt, - silt layer @ 5'	SP					
6.5	2+4+7	6.5	Poorly gra	aded SAND, moist, gra	SP					
9.0	3+4+5			- wet @ 9'						
14.0	2+2+2	13.0	Poorly gr	aded SAND, trace silt, wet, white and brown - trace gravel @ 14'			SP			
19.0	2+1+2									
24.0	1+1+1									
	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									

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.

GeoSer	vices Corporati	on	Project: Proposed Radio Tower	Contract N	umber: 00MD0118				
Subsur	face Investigatio	ons	Marlyand State Police Barracks "V" Site	Boring Nu	nber: B - 2				
Test Boring Log			Berlin, MD	Sheet: 2 c	of 2				
Sampling Strata									
Depth	Data	Depth	Description	Class	Remarks				
29.0	2+2+4			0.435	IVEIRAIKS				
34.0	3+2+5		- trace gravel at 34'						
38.5	5+6+5	39.5	Fat CLAY moist area						
		40.0	Fat CLAY, moist, gray	СН					
		40.0	Bottom of Boring @ 40'						

Subsurface Investigations			Proposed Radio Tower Maryland State Police Barracks "V" Site Berlin, MD			Contract Number: 00MD0118 Boring Number: B - 3 Sheet: 1 of 2			
Client: S	State of Maryland	d		Groundwater Observations					
Dept. of Budget and Management Telecommunications Division				Date	Time	Depth	Casing	Caved	
Boring Fo		J. Boyce		Encountered			None		
Drilling M Drilling E		3.25" ID CME-55	(Note 1)	Completion	11/27/01	10:10 AM	17.5'	38.5'	
Checked	Ву:	K. Lightl	oody	Casing Pulled 11/27/01 10:45 AM 1			10.3'		11.3'
_	tes Started: 11/27/01 Completed: 11/27/01			Backfilled	Upon Comp	oletion			
Location	As Shown on S	ketch							
Ground Surface Elevation: Not Provided				See Gen	eral Notes	and Borin	g Location	Plan	
San	npling			Strata					
Depth	Data	Depth			Description			Remarks	
0.0	3 + 6 + 7	1.0 5.0 6.0	Topsoil	l			,		
2.0	2+4+4		Sandy SILT, moist, gray and brown				ML		
4.0	2+4+4				··	·			
6.5	5+8+9		Silty SAN	D, moist, brown and gr	ay		SM		
9.0	5+6+7		Poorly gra	Poorly graded SAND, moist, brown - wet @ 9'					
				_					
									1
14.0	2+1+2		Poorly gra	ded SAND with silt, wet, white and brown			SP	1	
19.0	2+2+3			- contains silt pocke					
24.0	1+1+1		- trace gravel @ 24'						
									

Note 1: Standard Penetration Tests done using safety hammer

	ce Investigation	on ons	Project Proposed Radio Tower Markand State Police Perrocks "V" Cite	Contract N	umber: 00MD0118
Subsurface Investigations Test Boring Log			Marlyand State Police Barracks "V" Site Berlin, MD	Boring Nur Sheet: 2 o	nber: B - 3
Sam	plina		Strata		
Depth D	ata	Depth	Description	Class	Remarks
29.0	4+6+8				7.07.1411.0
,					
34.0	4.4.2				
34.0	4+1+3				
38.5	5+8+8			,	
		40.0			
			Bottom of Boring @ 40'		
				!	
	ļ				

Enclosure (1)

Contract No.01MD0118

- GENERAL NOTES
- 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.
- Water level observations are included on each log. Water levels may vary from precipitation, porosity of the soil, site topography, or other conditions.

at the particular location.

- 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
 - 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.
- a change in the subsurface soil and groundwater conditions at these boring locations.
 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