GeoServices Corporation Pro			Project:	Proposed Radio Tower Maryland State Police Barracks "V" Site			Contract Number: 00MD0118			
Test Boring Log							Boring Number: B - 1 Sheet: 1 of 2			
Client: State of Maryland  Dept. of Budget and Management				Groundwater Observations						
		jet and Management ications Division			Date	Time	Depth	Casing	Caved	
Boring F		J. Boyce		Encountered			None			
Drilling I Drilling I		3.25" ID CME-55		Completion	11/26/01	1:00 PM	17.1	38.5'		
Checked	d By:	K. Light	body	Casing Pulled	11/26/01	1:20 PM	None to 8.5'		8.5' & dry	
Dates	Started: Completed:	11/26/0 11/26/0		Overnight	11/27/01	6:50 AM	None to 9.2'	<del></del>	9.2' & dry	
Location	n: As Shown on S									
Ground	Surface Elevatio	n: Not P	rovided							
				See Gene	eral Notes	and Boring	g Location	Plan		
Sa Depth	Sampling Depth Data Depth			Strata			Class	_		
		Depth	Topsoil	Description I				Ren	narks	
0.0	2+4+5	0.4	Sandy silt,	silt, FILL, moist, brown						
2.0	2+1+2	3.0								
4.0	2+1+2	1		T,moist, gray			ML			
6.5	2+3+2	6.5 Poorly gra		ded SAND, trace silt, moist, gray and brown			SP			
9.0	2+2+2			- wet @ 9'						
14.0	2+1+2	14.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
			Poorly gra	ded SAND with silt, mo	SP					
19.0	2+2+3			<ul> <li>trace gravel, contains coarse sand, wet @ 19'</li> </ul>						
24.0	1/24"									
							1			
		<del></del>			<del></del>	<del></del>	<u> </u>	<u> </u>		

Note 1: Standard Penetration Tests done using safety hammer

GeoServices Corporation   Project: Proposed Radio Tower   Contract Number: 00MD0118								
Subsur	vices Corporati face Investigati	ion		Contract N	umber: 00MD0118			
Test Ro	race investigati Fring Log	UIIS	Marlyand State Police Barracks "V" Site Berlin, MD	Boring Number: B - 1				
<u></u>			Definit, MID	Sheet: 2 o	1.2			
Sampling			Strata					
Depth	Data	Depth	Description	Class	Remarks			
000								
29.0	2 + 4 + 4	29.0	Doorly graded CAND with and a 11					
ŧ .		<u>.</u>	Poorly graded SAND with gravel, wet, white	SP				
			·					
				ļ				
34.0	4 + 3 + 5		- trace silt below 34'					
		1						
38.5	4 + 5 + 8							
		40.0						
		40.0						
			Bottom of Boring @ 40'					
				·				
		1						
		1						
<u>l</u>		1						
		1						
				}				
		1						
		1						
		1						
	T. T. C.	1						
					<u> </u>			

Subsurface Investigations			Proposed Radio Tower  Maryland State Police Barracks "V" Site Berlin, MD  Contract Number: 0 Boring Number: B - Sheet: 1 of 2			mber: B - 2	ID0118		
Client: State of Maryland				Groundwater Observations					
	Dept. of Budget and Managem Telecommunications Division				Date	Time	Depth	Casing	Caved
_	-			Encountered			None		
-	Drilling Method: 3.25" Drilling Equipment: CME-		HSA (Note 1)	Ovemight (Note 2)	11/27/01	6:50 AM	14.8'	29'	
Checked	i By:	K. Lightl	body	Completion	11/27/01	7:20 AM	17.1	38.5	
I	Started:	11/26/0		Casing Pulled	11/27/01	7:45 AM	9.8'		11.1'
	Completed: n: As Shown on S	11/27/( Sketch	ו דנ	Short Term	11/27/01	10:30 AM	9.5'		10.1'
ļ	Surface Elevatio		Provided						
Ground	Junace Lic valio	T. NOCT	TOVILLEG	See Genr	eral Notes			Ţ	·
Sar Depth	mpling Data	Depth	1	Strata				Domest	
			Topsoil	Description			Class	Kem	narks
0.0	2+7+6	0.4	Silty SAN	D, moist, gray			SM		
2.0	1+4+3								I
4.0		4.0	Poorly gra	aded SAND, trace silt, n - silt layer @ 5'	SP				
6.5	2+4+7	6.5	Poorly gra	ded SAND, moist, gray and brown			SP	1	
9.0	3+4+5			- wet @ 9'					
		13.0							
14.0	2+2+2	13.0	Poorly gra	ded 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.

GeoServices Corporation Subsurface Investigations Test Boring Log			Project: Proposed Radio Tower  Marlyand State Police Barracks "V" Site  Berlin, MD	Contract No Boring Nun Sheet: 2 o	umber: 00MD0118 nber: B - 2 f 2
Sa	mpling		Strata		
Depth	Data	Depth	Description	Class	Remarks
29.0	2+2+4				
34.0	3+2+5		- trace gravel at 34'		
38.5	5+6+5	39.5			
		40.0	Fat CLAY, moist, gray	СН	
			Bottom of Boring @ 40'		

Subsurface Investigations			Proposed Radio Tower  Maryland State Police Barracks "V" Site Berlin, MD  Contract Number: 00MD011 Boring Number: B - 3 Sheet: 1 of 2			ID0118			
Client: State of Maryland			Groundwater Observations						
Dept. of Budget and Managem Telecommunications Division				Date	Time	Depth	Casing	Caved	
Boring F		J. Boyce		Encountered			None		-
Drilling N Drilling E		3.25" ID CME-55	HSA (Note 1)	Completion	11/27/01	10:10 AM	17.5'	38.5'	-
Checked	hecked By: K. Lightbody		body	Casing Pulled	11/27/01	10:45 AM	10.3'		11.3'
_	Started: Completed:	11/27/0 11/27/0			Backfilled	Upon Comp	oletion		
Location	: As Shown on S	Sketch							
Ground Surface Elevation: Not Provided									
		<u> </u>	<del></del>	See Gene	eral Notes	and Borin	g Location	Plan	
Sar Depth	mpling Data	Depth		Strata Description			Class	Remarks	
0.0	3+6+7		Topsoil						
2.0	2+4+4	1.0	Sandy SILT, moist, gray and brown			ML			
4.0	2+4+4								
		5.0	Silty SANI	ty SAND, moist, brown and gray			SM		
6.5	5+8+9	6.0	Poorly graded SAND, moist, brown				SP		
9.0	5+6+7			- wet @ 9'					
14.0	2+1+2			<u> </u>	·	<del> </del>			
			Poorly gra	ded SAND with silt, wet, white and brown			SP		
19.0	2+2+3			- contains silt pocket	s @ 19'				
24.0	1+1+1			- trace gravel @ 24'					
				3 6. 2.4					
<u></u>							1	1	

Note 1: Standard Penetration Tests done using safety hammer

GeoSer Subsur Test Bo	vices Corporation face Investigation oring Log	on ons	Project: Proposed Radio Tower Marlyand State Police Barracks "V" Site Berlin, MD Contract Number: Boring Number: I Sheet: 2 of 2		umber: 00MD0118 nber: B - 3 f 2
Sampling			Strata		
	Data	Depth	Description	Class	Remarks
29.0	4+6+8				
34.0	4+1+3				
38.5	5+8+8	40.0		,	
			Bottom of Boring @ 40'		

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.
- 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