

**STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

F.A. Project: 24-001-01
Contract: Bay Creek Road - Slope Stabilization
Boring Location: 15+79, Northbound Lane

Boring No.: RB #3

Boring Surface Elev.: 214.4

Reference: MSL

Wt. of Casing Hammer: 200	Lbs.	Average Fall: 40"	IN.
Wt. of Sample Hammer: 140	Lbs.	Average Fall: 30"	IN.
Type of: D-Sampler: split-barrel	O.D.	O.D. of Sampler: 2	IN.
S-Sampler: California	O.D.	O.D. of Samp. Tube: 3	IN.
U-Sampler: TX	O.D.	O.D. of Samp. Tube: 2.5"	IN.
Core Bit: NX	O.D.	O.D. of Rock Core: 1.5"	IN.

Casing Size: 6"	Inches	From Depth of: 0	To: 10'
Hollow Stem Auger:		From Depth of: 0.5	To: 6'

Water Level Readings					
Date	Time	Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
23.Jan.2005	14:00	10.0'	8'	8.2'	206.2
24.Jan.2005	8:02	14'	10'	9.4'	205.0
30.Jan.2005	9:20	16'	10.2'	10.4'	204.0
2.Feb.2005	9:01	16.1'	10.1'	8.9'	205.5

Pay Quantities:
 2 1/2 in. Dia. Dry Sample Boring: 10 **Ft.;** 2.5" Dia. U-Sample Boring: 6 **Ft.**
 No. of 2 in. Dia. Shelby Tubes: 6 **;** No. of: 3 in. dia. U-Samples: 4 **Ft.**
 2 1/2 in. Dia. Contin. Sample Boring: 0 **Ft.;** Core Drilling in Rock: 6' **Ft.**

Boring Contractor: XYZ Corporation
Driller: Keith
Helpers: John

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
		S-1				A-4(4)	
		1	1.0'	3 5 2	Wet loose dark brown silty gravel and fine sand w/ some coarse sand.	A-2-4 (0)	
2.5			2.5'		12" RECOVERY		
		2	2.5'	6 6 4	Wet loose dark brown silty gravel w/ some fine to coarse sand.	A-1-b (0)	
			4.0'		2" RECOVERY		
		3	4.0'	3 5 3 4	Saturated loose dark brown silty fine sand w/some coarse sand and gravel.	A-2-4 (0)	
5			6.0'		17" RECOVERY		
		4	6.0'	5 5 5	Saturated stiff brown fine sandy silt w/some coarse sand and gravel.	A-4 (0)	
7.5			8.0'		19" RECOVERY		
	14:00		8.0'	5 23 38 34	Saturated very dense brown gravel w/some fine to coarse sand, trace of silt.	A-1-a (0)	Encountered significant drill chatter.
10			10.0'		16" RECOVERY		
12.5							

Remarks: Boring was backfilled after 30 days.

Reviewed By: Frank

Soils Supervisor: James