

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

F.A. Project: S.R. 26, Atlantic Avenue from Clarksville to Assawoman Canal

Boring No.: PB # 77

Contract: 24-112-10

Boring Location: Sta. 176+30, 90' Lt. C.L.

Boring Surface Elev.:

Reference:

Wt. of Casing Hammer:		Lbs.	Average Fall:		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:		O.D.	O.D. of Samp. Tube:		IN.
U-Sampler:		O.D.	O.D. of Samp. Tube:		IN.
Core Bit:		O.D.	O.D. of Rock Core:		IN.

Casing Size: 3 1/4"	Inches	From Depth of: 0.0'	To: 18.0'
Hollow Stem Auger:		From Depth of:	To:

Water Level Readings		Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
Date 5/11/2006	Time 3:00 p.m.	6.0'	4.0'	4.0'	-4.0

Pay Quantities:					
2 1/2 in. Dia. Dry Sample Boring:	20.0	Ft.;	Dia. U-Sample Boring:	Ft.	
No. of 2 in. Dia. Shelby Tubes:		Ft.;	No. of U-Samples:	Ft.	
2 1/2 in. Dia. Contin. Sample Boring:		Ft.;	Core Drilling in Rock:	Ft.	

Boring Contractor: Walton Corporation

Driller: Dave Burt

Helpers: Jim Deal & Wayne Hurd

Q:35-41

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	20 24 19 14	Moist dense brown fine sand w/some silt, coarse sand and gravel.	A-2-4(0)	
			4.0'		20" RECOVERY		
6		2	4.0'	7 11 10 8	Saturated medium dense grayish brown silty fine sand w/some coarse sand, trace of gravel.	A-2-4(0)	
			6.0'		22" RECOVERY		
9		3	6.0'	1 3 2 3	Saturated firm brownish gray fine sandy silt w/trace of coarse sand.	A-4(0)	
			8.0'		22" RECOVERY		
12		4	8.0'	2 2 5 4	Saturated loose brownish gray silty fine sand w/some coarse sand, trace of gravel.	A-2-4(0)	
			10.0'		24" RECOVERY		
15		5	10.0'	8 10 3 8	Saturated stiff brown fine sandy silt w/trace of coarse sand.	A-4(0)	
			12.0'		22" RECOVERY		
18		6	12.0'	4 3 3 3	Saturated loose brown silty fine sand w/ trace of coarse sand.	A-2-4(0)	
			14.0'		22" RECOVERY		
		7	14.0'	4 4 5 5	Saturated loose brown silty fine sand w/ some coarse sand, trace of gravel.	A-2-4(0)	
			16.0'		24" RECOVERY		
		8	16.0'	2 2 2 6	Saturated very loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			18.0'		20" RECOVERY		

Remarks:

Reviewed By:

Soils Supervisor:

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Contract: 24-112-10

Boring No.: PB # 77

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
		9	18.0'	4 5 6 7	Saturated medium dense brown coarse to fine sand w/some silt, trace of gravel.	A-2-4(0)	
			20.0'		20" RECOVERY		
21		10	20.0'	5 4 5 7	Saturated loose brown coarse to fine sand w/some silt, trace of gravel.	A-2-4(0)	
			22.0'		22" RECOVERY		
24							
27							
30							
33							
36							
39							
42							
45							

KEY TO SYMBOLS

Symbol Description

Strata symbols



Sand



Silty sand



Silt

Notes:

1. Exploratory borings were drilled on 5-11-2006 using a 3 1/4-inch diameter hollow stem auger.
2. No free water was encountered at the time of drilling or when re-checked the following day, unless recorded on 1st page.
3. Boring locations were taped from existing features and elevations extrapolated from survey unless otherwise reported.
4. These logs are subject to the limitations, conclusions, and recommendations in this report.
5. Results of tests conducted on samples recovered are reported