

**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 # 49

Contract: 24-112-10

Boring Location: Sta. 112+70, 290' Rt. C.L.

Boring Surface Elev.: +7.3'

Reference: Survey

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	Date	Time	Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
	5/8/2006	10:00 a.m.	6.0'	4.0'	4.0'	

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

Boring Contractor: Walton Corporation
Driller: Dave Burt
Helpers: Jason Truver & Wayne Hurd

Q:34-52

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	1 2 3 2	Saturated loose brown fine sand w/some silt and coarse sand.	A-2-4(0)	
		2	3.0'	3 3	Saturated loose brown silty fine sand w/some coarse sand.	A-2-4(0)	
6		2A	4.0'	5 8	12" RECOVERY 12" RECOVERY	A-2-4(0)	
			4.0'		Saturated medium dense gray fine sand w/some silt and coarse sand.		
			5.0'		12" RECOVERY		
9		3	6.0'	2 4 4 2	Saturated loose brownish gray fine sand w/some coarse sand and silt, trace of gravel.	A-2-4(0)	
			8.0'		22" RECOVERY		
12		4	8.0'	1 2 2 3	Saturated soft brownish gray fine sandy silt w/trace of coarse sand.	A-4(0)	
			10.0'		20" RECOVERY		
15		5	10.0'	2 3 4 4	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			12.0'		22" RECOVERY		
18		6	12.0'	3 5 7	Saturated medium dense brown fine to coarse sand w/trace of silt and gravel.	A-3	
			14.0'		20" RECOVERY		
18		7	14.0'	3 3 3 5	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			16.0'		15" RECOVERY		
		8	16.0'	4 3 2 3	Saturated loose brown fine sand w/some silt and coarse sand, trace of gravel.	A-2-4(0)	
			18.0'		20" RECOVERY		


Remarks:

Reviewed By: _____ **Soils Supervisor:** _____

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Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
		9	18.0'	3 5 7 8	 Saturated medium dense brown coarse to fine sand w/trace of silt and gravel. 22" RECOVERY	A-1-b	
			20.0'				
21		10	20.0'	4 6 8	Saturated loose brown fine to coarse sand w/some silt, trace of gravel. 20" RECOVERY	A-2-4(0)	
			22.0'				
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 5-8-2006 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 on the logs.