

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

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

Boring No.: SB # 71

Contract: 24-112-10

Boring Location: Sta. 163+00, 6' Rt. C.L.

Boring Surface Elev.: +4.8'

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:	34.0'
Hollow Stem Auger:		From Depth of:	To:	

Water Level Readings	Date	Time	Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
	5/16/2006	9:00 a.m.	5.5'	4.0'	4.5'	

Pay Quantities:

2 1/2 in. Dia. Dry Sample Boring:	35.5	Ft.;	Dia. U-Sample Boring:	Ft.
No. of 2 in. Dia. Shelby Tubes:		;	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: 35-35

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
		1	3.0'	7 7 4	Moist medium dense brown fine to coarse sand w/some gravel and silt. 6" RECOVERY	A-2-4(0)	No Sample Recovery
			4.5'				
6		2	5.5'	3 2	0" RECOVERY		
			7.0'				
9							
		3	10.5'	2 2 2	Wet very loose gray silty fine sand w/trace of coarse sand. 18" RECOVERY	A-2-4(0)	
12			12.0'				
15							
		4	15.5'	1 1 1	Wet very loose gray silty fine sand w/trace of coarse sand and gravel. 12" RECOVERY	A-2-4(0)	
			17.0'				
18							

Remarks:

Reviewed By:

Soils Supervisor:

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Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
21		5	20.5' 22.0'	1 2 2	Saturated very loose gray coarse to fine sand w/some silt, trace of gravel. 16" RECOVERY	A-2-4(0)	
24							
27		6	25.5' 27.0'	5 4 5	Saturated loose gray fine to coarse sand w/ some silt, trace of gravel. 10" RECOVERY	A-2-4(0)	
30							
33		7	30.5' 32.0'	8 5 5	Saturated loose gray coarse to fine sand w/ trace of silt and gravel. 12" RECOVERY	A-1-b	
36							
39		8	35.5' 37.0'	9 8 5	Saturated medium dense gray coarse sand w/trace of gravel, fine sand and silt. 12" RECOVERY	A-1-b	
42							
45							

KEY TO SYMBOLS

Symbol Description

Strata symbols



Sand



Silty sand

Notes:

1. Exploratory borings were drilled on 5-16-2006 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