

**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 # 36

Contract: 24-112-10

Boring Location: Sta. 67+60, 130' Lt. C.L.

Boring Surface Elev.: +16.0'

Reference: Survey

Wt. of Casing Hammer:
Wt. of Sample Hammer: 140
Type of: D-Sampler: Split-Barrel
S-Sampler:
U-Sampler:
Core Bit:

Lbs.
Lbs.
O.D.
O.D.
O.D.
O.D.

Average Fall:
Average Fall: 30
O.D. of Sampler: 2
O.D. of Samp. Tube:
O.D. of Samp. Tube:
O.D. of Rock Core:

IN.
IN.
IN.
IN.
IN.

Casing Size: 3 1/4"
Hollow Stem Auger:

Inches

From Depth of: 0.0'
From Depth of:

To:
To:

18.0'

Water Level Readings

Date
5/4/2006

Time
1:00 p.m.

Depth of Hole
6.0'

Depth of Casing
4.0'

Depth of Water
5.5'

Elev. of Water

Pay Quantities:

2 1/2 in. Dia. Dry Sample Boring: 20.0
No. of 2 in. Dia. Shelby Tubes:
2 1/2 in. Dia. Contin. Sample Boring:

Ft.;
;
Ft.;

Dia. U-Sample Boring:
No. of: U-Samples:
Core Drilling in Rock:

Ft.
Ft.

Boring Contractor: Walton Corporation

Driller: Dave Burt

Helpers: Jim Deal & Wayne Hurd

Q: 23-28

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	3 8 7 6	Moist medium dense brown silty fine sand w/trace of coarse sand and gravel.	A-2-4(0)	
			4.0'		22" RECOVERY		
		2	4.0'	5 5 4 3	Wet loose brown silty fine sand w/some coarse sand, trace of gravel.	A-2-4(0)	
6			6.0'		2" RECOVERY		
		3	6.0'	1 1 2 2	Saturated very loose brown silty fine sand w/some coarse sand, trace of gravel.	A-2-4(0)	
			8.0'		22" RECOVERY		
		4	8.0'	2 4 2 5	Saturated loose brown silty fine to coarse sand w/trace of gravel.	A-2-4(0)	
9			10.0'		22" RECOVERY		
		5	10.0'	1 2 1 3	Saturated very loose brown silty fine sand w/trace of coarse sand and gravel.	A-2-4(0)	
			12.0'		24" RECOVERY		
		6	12.0'	2 3 4 8	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			14.0'		22" RECOVERY		
		7	14.0'	2 2 1 2	Saturated very loose brown silty fine sand w/some coarse sand, trace of gravel.	A-2-4(0)	
15			16.0'		24" RECOVERY		
		8	16.0'	2 2 4 2	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			18.0'		24" 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'	1 2 4 5	Saturated loose brown fine sand w/some silt and coarse sand, trace of gravel.	A-2-4(0)	
			20.0'		22" RECOVERY		
21		10	20.0'	3 4 4 3	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			22.0'		24" RECOVERY		
24							
27							
30							
33							
36							
39							
42							
45							

KEY TO SYMBOLS

Symbol Description

Strata symbols



Silty sand



Sand

Notes:

1. Exploratory borings were drilled on 5-4-2006 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.