

**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 # 51

**Contract:** 24-112-10

**Boring Location:** Sta. 113+25, 70' Rt. C.L.

**Boring Surface Elev.:** +10.3'

**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" **Inches**  
**Hollow Stem Auger:**

**From Depth of:** 0.0' **To:** 18.0'  
**From Depth of:** **To:**

**Water Level Readings**

Date	Time	Depth of Hole	Depth of Casing	Depth of Water	Elev. of Water
5/8/2006	9:00 a.m.	8.0	6.0	7.0	

**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:		:	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:** Jason Truver & Wayne Hurd

Q:34-54

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	3 7 10 7	Moist medium dense brown silty fine sand w/some coarse sand.	A-2-4(0)	
			4.0'		24" RECOVERY		
		2	4.0'	5 7 6 6	Moist medium dense brown silty fine sand w/some coarse sand.	A-2-4(0)	
6			6.0'		24" RECOVERY		
		3	6.0'	3 3 4 3	Wet loose brown fine sand w/some silt and coarse sand.	A-2-4(0)	
			8.0'		22" RECOVERY		
9		4	8.0'	1 2 2 2	Saturated very loose brown coarse to fine sand w/some silt.	A-1-b	
			10.0'		22" RECOVERY		
		5	10.0'	1 2 1 2	Saturated very loose brown fine sand w/some silt and coarse sand.	A-2-4(0)	
12			12.0'		20" RECOVERY		
		6	12.0'	2 3 3 6	Saturated loose brown fine sand w/some silt and coarse sand.	A-2-4(0)	
			14.0'		22" RECOVERY		
15		7	14.0'	3 2 3 6	Saturated loose brown fine sand w/some silt, trace of coarse sand.	A-2-4(0)	
			16.0'		22" RECOVERY		
		8	16.0'	2 3 4 6	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
18			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'	2 3 5 7	Saturated loose brown fine to coarse sand w/some silt.	A-2-4(0)	
			20.0'		22" RECOVERY		
21		10	20.0'	7 10 10 11	Saturated medium dense gray coarse to fine sand w/some silt, trace of gravel.	A-1-b	
			22.0'		22" 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 @BDATE using a 4-inch diameter continuous flight power auger.
2. No free water was encountered at the time of drilling or when re-checked the following day.
3. Boring locations were taped from existing features and elevations extrapolated from the final design schematic plan.
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.