

**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 # 79

**Contract:** 24-112-10

**Boring Location:** Sta. 176+65, 225' Lt. C.L.

**Boring Surface Elev.:** + 7.0'

**Reference:** Survey

<b>Wt. of Casing Hammer:</b>		<b>Lbs.</b>	<b>Average Fall:</b>		<b>IN.</b>
<b>Wt. of Sample Hammer:</b> 140		<b>Lbs.</b>	<b>Average Fall:</b> 30		<b>IN.</b>
<b>Type of:</b> D-Sampler: Split-Barrel		<b>O.D.</b>	<b>O.D. of Sampler:</b> 2		<b>IN.</b>
S-Sampler:		<b>O.D.</b>	<b>O.D. of Samp. Tube:</b>		<b>IN.</b>
U-Sampler:		<b>O.D.</b>	<b>O.D. of Samp. Tube:</b>		<b>IN.</b>
Core Bit:		<b>O.D.</b>	<b>O.D. of Rock Core:</b>		<b>IN.</b>

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

<b>Water Level Readings</b>		<b>Depth of Hole</b>	<b>Depth of Casing</b>	<b>Depth of Water</b>	<b>Elev. of Water</b>
<b>Date</b> 5/11/2006	<b>Time</b> 9:00 a.m.	6.0'	4.0'	4.5'	

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

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

Q: 35-43

Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	3 4 4 3	Moist loose brown silty fine to coarse sand w/trace of gravel.	A-2-4(0)	
			4.0'		22" RECOVERY		
6		2	4.0'	4 4 4 4	Wet firm brown fine sandy silt w/some coarse sand and clay, trace of gravel.	A-4(0)	
			6.0'		22" RECOVERY		
		3	6.0'	1 5 5 4	Wet loose brown coarse to fine sand w/ some silt, trace of gravel.	A-1-b	
			8.0'		22" RECOVERY		
9		4	8.0'	8 5 9 11	Wet medium dense brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			10.0'		22" RECOVERY		
		5	10.0'	2 5 6 4	Saturated medium dense brown fine sand w/some silt, trace of coarse sand.	A-2-4(0)	
12			12.0'		20" RECOVERY		
		6	12.0'	2 2 4 8	Saturated loose brown silty fine sand w/ trace of coarse sand.	A-2-4(0)	
			14.0'		22" RECOVERY		
15		7	14.0'	1 2 3	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
			16.0'		24" RECOVERY		
		8	16.0'	WH 1 2 3	Saturated very loose brown fine to coarse sand w/some silt, trace of gravel.	A-2-4(0)	
18			18.0'		22" 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 3 5 8	Saturated loose brown fine to coarse sand w/some silt, trace of gravel.  24" RECOVERY	A-2-4(0)	
			20.0'				
21		10	20.0'	8 3 3 8	Saturated loose brown coarse to fine sand w/some silt, trace of gravel.  24" RECOVERY	A-1-b	
			22.0'				
24							
27							
30							
33							
36							
39							
42							
45							

# KEY TO SYMBOLS

Symbol Description

## Strata symbols



Silty sand



Silt



Sand

## 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 on the logs.