

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

**F.A. Project:** S.R. 26, Atlantic Avenue from Clarksville to Assawoman Canal  
**Contract:** 24-112-10  
**Boring Location:** Sta. 13+40, 45' Lt. C.L.  
**Boring Surface Elev.:** +11.2'

**Boring No.:** IB #4

**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>

**Casing Size:** 3 1/4" **Inches** **From Depth of:** 0.0' **To:** 3.5'  
**Hollow Stem Auger:** **From Depth of:** **To:**

<b>Water Level Readings</b>					
<b>Date</b>	<b>Time</b>	<b>Depth of Hole</b>	<b>Depth of Casing</b>	<b>Depth of Water</b>	<b>Elev. of Water</b>

**Pay Quantities:**  
 2 1/2 in. Dia. Dry Sample Boring: 5.0 **Ft.;** **Dia. U-Sample Boring:** **Ft.**  
 No. of 2 in. Dia. Shelby Tubes: **Ft.;** **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

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Depth (ft.)	Daily Progress	No.	Sample Depth	Blows/6"	Sample Description	Class./G.I.	Remarks
3		1	2.0'	2 2 4 3	Moist loose brown fine to coarse sand w/ some silt.	A-2-4(0)	
		2	3.5' 4.0'	2 4 9	Wet medium dense brown fine to coarse sand w/trace of gravel. 21" RECOVERY 16" RECOVERY	A-2-4(0)	
6		3	5.0' 6.5'	7 8 7	Wet medium dense brown coarse to fine sand w/trace of silt and gravel. 16" RECOVERY	A-1-b	
9							
12							
15							
18							

**Remarks:**

**Reviewed By:** \_\_\_\_\_ **Soils Supervisor:** \_\_\_\_\_

# KEY TO SYMBOLS

Symbol Description

## Strata symbols



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.