

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

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

**Boring No.:** RB # 47

**Contract:** 24-112-10

**Boring Location:** Sta. 110+50, 25' Lt. C.L.

**Boring Surface Elev.:**

**Reference:**

|   |  |             |                            |  |            |
|---|--|-------------|----------------------------|--|------------|
| <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> 6.0' |
| <b>Hollow Stem Auger:</b>  |               | <b>From Depth of:</b>      | <b>To:</b>      |

|                             |             |             |                      |                        |                       |                       |
|-----------------------------|-------------|-------------|----------------------|------------------------|-----------------------|-----------------------|
| <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> |
|                             | 5/9/2006    | 5:00 p.m.   | 8.0'                 | 6.0'                   | 7.0'                  | -7.0                  |

|                                       |     |             |                               |                   |  |
|---------------------------------------|-----|-------------|-------------------------------|-------------------|--|
| <b>Pay Quantities:</b>                |     |             |                               |                   |  |
| 2 1/2 in. Dia. Dry Sample Boring:     | 8.0 | <b>Ft.;</b> | <b>Dia. U-Sample Boring:</b>  | <b>Ft.</b>        |  |
| No. of 2 in. Dia. Shelby Tubes:       |     | <b>;</b>    | <b>No. of:</b>                | <b>U-Samples:</b> |  |
| 2 1/2 in. Dia. Contin. Sample Boring: |     | <b>Ft.;</b> | <b>Core Drilling in Rock:</b> | <b>Ft.</b>        |  |

**Boring Contractor:** Walton Corporation  
**Driller:** Dave Burt  
**Helpers:** Jim Deal & Wayne Hurd

Q134-50

| Depth (ft.) | Daily Progress | No. | Sample Depth | Blows/6"         | Sample Description  | Class./G.I. | Remarks |
|-------------|----------------|-----|--------------|------------------|---|-------------|---------|
| 3           |                | 1   | 2.0'         | 3<br>5<br>6<br>6 | Moist medium dense brown fine to coarse sand w/some silt.       | A-2-4(0)    |         |
|             |                |     | 4.0'         |                  | 24" RECOVERY  |             |         |
| 6           |                | 2   | 4.0'         | 4<br>3<br>4<br>5 | Moist loose brown fine sand w/some coarse sand and silt.        | A-2-4(0)    |         |
|             |                |     | 6.0'         |                  | 24" RECOVERY  |             |         |
|             |                | 3   | 6.0'         | 5<br>7<br>9<br>5 | Moist medium dense brown fine sand w/some coarse sand and silt. | A-2-4(0)    |         |
|             |                |     | 8.0'         |                  | 24" RECOVERY  |             |         |
| 9           |                | 4   | 8.0'         | 3<br>4<br>6<br>5 | Wet loose brown silty fine sand w/some coarse sand.             | A-2-4(0)    |         |
|             |                |     | 10.0'        |                  | 24" RECOVERY  |             |         |
| 12          |                |     |              |                  |   |             |         |
| 15          |                |     |              |                  |   |             |         |
| 18          |                |     |              |                  |   |             |         |

**Remarks:**

**Reviewed By:**

**Soils Supervisor:**

# KEY TO SYMBOLS

Symbol Description

## Strata symbols



Sand



Silty sand

## Notes:

1. Exploratory borings were drilled on 5-9-2006 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