# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
## GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 2

| | | | |
|---|---|---|---|
| PROJECT NO. 8.1080601 | ID. B-3348 | COUNTY HYDE | GEOLOGIST K.B. MILLER |
| SITE DESCRIPTION BRIDGE NO. 52 ON US 264 OVER WALLACE CANAL | | | GROUND WATER |
| BORING NO. EB2-A | BORING LOCATION 18+66 | OFFSET 12.0' LT. | ALIGNMENT -L- | 0 HR. N.M. |
| COLLAR ELEVATION 4.6' | NORTHING 0.00 | EASTING 0.00 | 24 HR. 3.7 |
| TOTAL DEPTH 95.6' | DRILL MACHINE CME-45B | DRILL METHOD ROTARY W/MUD | HAMMER TYPE AUTOMATIC |
| START DATE 11/25/02 | COMPLETION DATE 11/26/02 | SURFACE WATER DEPTH | |

| ELEV. | DEPTH (FT.) | BLOW COUNT 0.5' | 0.5' | 0.5' | PEN. (FT.) | BLOWS PER FOOT 0 25 50 75 100 | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 4.6 | | | | | | | | | | ASPHALT |
| | | | | | | | | | | BROWN SILTY SAND WITH SOME GRAVEL, MOI. |
| 0.0 | 6.2 | WOH | WOH | WOH | 1 | X 0 | SS-10 | | | DARK BROWN ORGANIC SILT, WET |
| -5.0 | 13.1 | WOH | WOH | WOH | 1 | X 0 | | | | GRAY FINE SANDY CLAY, WET TO SAT. |
| -10.0 | 18.1 | WOH | WOH | WOH | 1 | X 0 | | | | |
| -15.0 | 23.1 | WOH | WOH | 2 | 1 | X 2 | | | | GRAY SILTY FINE SAND, SAT. |
| -20.0 | 28.1 | 1 | 4 | 6 | 1 | X 10 | | | | |
| -25.0 | 33.1 | 7 | 6 | 5 | 1 | X 11 | | | | |
| -30.0 | 38.1 | 1 | 2 | 2 | 1 | X 4 | | | | |
| -35.0 | 43.1 | 5 | 6 | 5 | 1 | X 11 | | | | |
| -40.0 | 48.1 | 2 | 3 | 3 | 1 | X 6 | | | | GRAY FINE TO COARSE SAND WITH SHELL LAYERS, SAT. |
| -45.0 | 53.1 | 6 | 5 | 3 | 1 | X 8 | | | | |
| -50.0 | 58.1 | 4 | 9 | 9 | 1 | X 18 | SS-11 | | | |
| -55.0 | 63.1 | 7 | 9 | 9 | 1 | X 18 | | | | |
| -60.0 | 68.1 | 1 | 2 | 3 | 1 | X 5 | | | | |
| -65.0 | | | | | | | | | | |
| -70.0 | 74.1 | 1 | 5 | 4 | 1 | X 9 | | | | GRAY FINE SANDY SILT WITH COARSE SAND AND SHELL LAYER WITH SOME SHELL FRAGMENTS, WET TO SAT. |
| | 79.1 | 11 | 11 | 9 | 1 | X 20 | SS-12 | | | |

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SHEET 2 OF 2

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| START DATE 11/25/02 | COMPLETION DATE 11/26/02 | SURFACE WATER DEPTH | |

| ELEV. | DEPTH (FT.) | BLOW COUNT 0.5' | 0.5' | 0.5' | PEN. (FT.) | BLOWS PER FOOT 0 25 50 75 100 | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 75.0 | | | | | | | | | | GRAY FINE SANDY SILT WITH COARSE SAND AND SHELL LAYER WITH SOME SHELL FRAGMENTS, WET TO SAT. |
| -80.0 | 84.1 | 5 | 12 | 20 | 1 | X 32 | | | | |
| -85.0 | 89.1 | 7 | 12 | 22 | 1 | X 34 | | | | |
| -90.0 | 94.1 | 9 | 9 | 13 | 1 | X 22 | | | | |
| -95.0 | | | | | | BORING TERMINATED AT ELEV. -91.0 FEET IN VERY STIFF SANDY SILT | | | | |
| -100.0 | | | | | | | | | | |
| -105.0 | | | | | | | | | | |
| -110.0 | | | | | | | | | | |
| -115.0 | | | | | | | | | | |
| -120.0 | | | | | | | | | | |
| -125.0 | | | | | | | | | | |
| -130.0 | | | | | | | | | | |
| -135.0 | | | | | | | | | | |
| -140.0 | | | | | | | | | | |
| -145.0 | | | | | | | | | | |
| -150.0 | | | | | | | | | | |