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



| | | | |
|---|---|---|---|
| PROJECT NO. 8.1080601 | ID. B-3348 | COUNTY HYDE | GEOLOGIST J.R. MCCRAY |
| SITE DESCRIPTION BRIDGE NO. 54 ON US 264 OVER KITTY CREEK | | | GROUND WATER |
| BORING NO. B3-A | BORING LOCATION 23+35 | OFFSET 14.0' LT. | ALIGNMENT -L- | 0 HR. N.M. |
| COLLAR ELEVATION 3.7' | NORTHING 0.00 | EASTING 0.00 | 24 HR. 2.9' |
| TOTAL DEPTH 110.5' | DRILL MACHINE CME-45B | DRILL METHOD ROTARY W/MUD | HAMMER TYPE AUTOMATIC |
| START DATE 11/19/02 | COMPLETION DATE 11/20/02 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 3.7 | | | | | | | | | | |
| 0.0 | 4.0 | 4 | 2 | 1 | 1 | X 3 | SS-15 | ▼ | | GRAY TO BROWN SILTY SAND, MOI. (FILL) |
| -5.0 | 9.0 | WOH | WOH | WOH | 1 | X 0 | | | | INTERLAYERED GRAY SILTY CLAY, SANDY SILT AND FINE TO COARSE SAND WITH TRACE OF SHELL FRAGMENTS, WET TO SAT. |
| -10.0 | 14.0 | 7 | 3 | 3 | 1 | X 6 | | | | |
| -15.0 | 19.0 | WOH | WOH | WOH | 1 | X 0 | | | | |
| -20.0 | 24.0 | 4 | 8 | 6 | 1 | X 14 | | | | |
| -25.0 | 29.0 | WOH | WOH | WOH | 1 | X 0 | SS-16 | | | |
| -30.0 | 34.0 | 7 | 6 | 3 | 1 | X 9 | | | | GRAY FINE TO COARSE SAND WITH SHELL FRAGMENTS, SAT. |
| -35.0 | 39.0 | 1 | 1 | 2 | 1 | X 3 | | | | |
| -40.0 | 44.0 | 3 | 3 | 5 | 1 | X 8 | SS-17 | | | |
| -45.0 | 49.0 | 4 | 6 | 10 | 1 | X 16 | | | | |
| -50.0 | 54.0 | 5 | 3 | 6 | 1 | X 9 | | | | |
| -55.0 | 59.0 | 6 | 6 | 5 | 1 | X 11 | | | | |
| -60.0 | 64.0 | 5 | 5 | 4 | 1 | X 9 | | | | |
| -65.0 | 69.0 | 0 | 1 | 2 | 1 | X 3 | SS-18 | | | GRAY FINE SANDY SILT/CLAY AND FINE SAND WITH TRACE SHELL FRAGMENTS, WET TO SAT. |
| -70.0 | 74.0 | 2 | 3 | 3 | 1 | X 6 | | | | |

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| START DATE 11/19/02 | COMPLETION DATE 11/20/02 | 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 | 79.0 | 3 | 16 | 15 | 1 | X 31 | SS-19 | | | GRAY FINE SANDY SILT/CLAY AND FINE SAND WITH TRACE SHELL FRAGMENTS, WET TO SAT. |
| -80.0 | 84.0 | 16 | 9 | 10 | 1 | X 19 | | | | |
| -85.0 | 89.0 | 5 | 10 | 27 | 1 | X 37 | SS-20 | | | |
| -90.0 | 94.0 | 10 | 15 | 14 | 1 | X 29 | | | | |
| -95.0 | 99.0 | 8 | 6 | 10 | 1 | X 16 | | | | |
| -100.0 | 104.0 | 3 | 4 | 7 | 1 | X 11 | | | | |
| -105.0 | 109.0 | 6 | 6 | 11 | 1 | X 17 | | | | |
| -110.0 | | | | | | BORING TERMINATED AT ELEV. -106.8 FEET IN VERY STIFF SANDY CLAY | | | | |
| -115.0 | | | | | | | | | | |
| -120.0 | | | | | | | | | | |
| -125.0 | | | | | | | | | | |
| -130.0 | | | | | | | | | | |
| -135.0 | | | | | | | | | | |
| -140.0 | | | | | | | | | | |
| -145.0 | | | | | | | | | | |
| -150.0 | | | | | | | | | | |