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



| | | | |
|---|---|---|---|
| PROJECT NO. 8.2405601 | ID. B-3256 | COUNTY WAKE | GEOLOGIST E.C. CAMPBELL |
| SITE DESCRIPTION BRIDGE NO. 337 ON SR 1108 OVER NORFOLK SOUTHERN | | | GROUND WATER |
| BORING NO. BI-A | BORING LOCATION 12+68.20 | OFFSET 3.40m LT | ALIGNMENT -L- |
| COLLAR ELEV. 134.98m | NORTHING 204614.9 | EASTING 627848.2 | 0 HR. N/A |
| TOTAL DEPTH 29.64m | DRILL MACHINE CME 550 | DRILL METHOD ROTARY WASH | HAMMER TYPE AUTOMATIC |
| START DATE 11/6/01 | COMPLETION DATE 11/6/01 | SURFACE WATER DEPTH | DEPTH TO ROCK |

| ELEV. | DEPTH | BLOW COUNT 15cm | 15cm | 15cm | PEN. (m) | BLOWS PER 30cm 0 25 50 75 100 | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 134.98 | | | | | | | | | | |
| | 0.7 | 2 | 2 | 1 | 0.30 | 3 | | M | | ROADWAY EMBANKMENT: RED-BROWN, SILTY, SANDY CLAY |
| 134.00 | | | | | | | | | | |
| | 2.22 | 1 | 3 | 6 | 0.30 | 9 | | M | | GREEN-GRAY AND TAN, SAND |
| 132.00 | | | | | | | | | | |
| | 3.74 | 1 | 2 | 2 | 0.30 | 4 | | M | | |
| 130.00 | | | | | | | | | | |
| | 5.26 | 2 | 2 | 3 | 0.30 | 5 | | M | | COASTAL PLAIN: ORANGE-BROWN, SANDY CLAY |
| | 6.02 | 6 | 10 | 15 | 0.30 | 25 | | | | |
| | 6.78 | 6 | 12 | 14 | 0.30 | 26 | | | | YELLOW-BROWN AND RED-BROWN, CLAYEY SAND |
| 128.00 | | | | | | | | | | |
| | 8.3 | 14 | 13 | 10 | 0.30 | 23 | | W | | YELLOW-BROWN, SILTY SAND |
| 126.00 | | | | | | | | | | |
| | 9.82 | 3 | 5 | 7 | 0.30 | 12 | | W | | YELLOW-BROWN, CLAYEY SAND |
| 124.00 | | | | | | | | | | |
| | 11.34 | 2 | 3 | 2 | 0.30 | 5 | | W | | |
| 122.00 | | | | | | | | | | |
| | 12.86 | 1 | 3 | 3 | 0.30 | 6 | | W | | LIGHT YELLOW-BROWN, ORANGE-BROWN, COARSE SAND |
| | 14.38 | 2 | 4 | 2 | 0.30 | 6 | | W | | |
| 120.00 | | | | | | | | | | |
| | 15.9 | 1 | 2 | 4 | 0.30 | 6 | | W | | |
| 118.00 | | | | | | | | | | |
| | 17.42 | 4 | 5 | 3 | 0.30 | 8 | | W | | |
| 116.00 | | | | | | | | | | |
| | 18.94 | 2 | 5 | 6 | 0.30 | 11 | | W | | |

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| TOTAL DEPTH 29.64m | DRILL MACHINE CME 550 | DRILL METHOD ROTARY WASH | HAMMER TYPE |
| START DATE 11/6/01 | COMPLETION DATE 11/6/01 | SURFACE WATER DEPTH | DEPTH TO ROCK |

| ELEV. | DEPTH | BLOW COUNT 15cm | 15cm | 15cm | PEN. (m) | BLOWS PER 30cm 0 25 50 75 100 | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 115.00 | | | | | | | | | | |
| | 20.46 | 2 | 8 | 25 | 0.30 | 33 | W | | | LIGHT GRAY, SILTY CLAY AND SANDY SILTY CLAY |
| 113.00 | | | | | | | | | | |
| | 21.98 | 5 | 8 | 12 | 0.30 | 20 | W | | | |
| | 23.5 | 7 | 14 | 20 | 0.30 | 34 | W | | | RESIDUAL: LIGHT GRAY-GREEN, DARK BLUE-GREEN, SILTY CLAY |
| 111.00 | | | | | | | | | | |
| | 25.02 | 4 | 14 | 35 | 0.30 | 49 | W | | | |
| 109.00 | | | | | | | | | | |
| | 26.54 | 100 | | | 0.15 | 100+ | W | | | WEATHERED ROCK (CLAYSTONE) |
| 107.00 | | | | | | | | | | |
| | 28.06 | 100 | | | 0.05 | 100+ | W | | | |
| | 29.58 | 100 | | | 0.06 | 100+ | W | | | |
| 105.00 | | | | | | | | | | BORING TERMINATED AT ELEVATION 105.34m IN WEATHERED ROCK |
| 103.00 | | | | | | | | | | |
| 101.00 | | | | | | | | | | |
| 99.00 | | | | | | | | | | |
| 97.00 | | | | | | | | | | |
| 95.00 | | | | | | | | | | |