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

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|---|---|---|---|
| PROJECT NO. 8.2407701 | ID. B-3530 | COUNTY WAKE | GEOLOGIST J.L. LOVE/C.D. CZAJKA |
| SITE DESCRIPTION BRIDGE NO. 174 ON -L- (SR 2320, RILEY HILL RD.) OVER BUFFALO CREEK | | | GROUND WATER |
| BORING NO. EB2-A | BORING LOCATION 16+33 | OFFSET 16' LT | ALIGNMENT -L- | 0 HR. N/A |
| COLLAR ELEVATION 318.8' | NORTHING 768805 | EASTING 2169724 | 24 HR. 6.3' |
| TOTAL DEPTH 9.4' | DRILL MACHINE CME-550 | DRILL METHOD H.S. AUGERS | HAMMER TYPE MANUAL |
| START DATE 9/30/03 | COMPLETION DATE 9/30/03 | SURFACE WATER DEPTH N/A | DEPTH TO ROCK 8.6' |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 318.8 | | | | | | | | | | |
| 315.0 | 3.5 | 4 | 4 | 7 | 1.0 | X 11 | SS-10 | D | | ROADWAY EMBANKMENT, BROWN, SILTY SAND |
| 310.0 | 8.5 | 60 | | | 0.1 | 60/0.1 X | | | | ALLUVIAL, DARK GRAY, SILTY SAND |
| | | | | | | | | | | CRYSTALLINE ROCK (GRANITE) |
| 305.0 | | | | | | AUGER REFUSAL AT ELEVATION 309.4 FEET IN CRYSTALLINE ROCK (GRANITE) | | | | |
| 300.0 | | | | | | | | | | |
| 295.0 | | | | | | | | | | |
| 290.0 | | | | | | | | | | |
| 285.0 | | | | | | | | | | |
| 280.0 | | | | | | | | | | |
| 275.0 | | | | | | | | | | |
| 270.0 | | | | | | | | | | |
| 265.0 | | | | | | | | | | |
| 260.0 | | | | | | | | | | |
| 255.0 | | | | | | | | | | |
| 250.0 | | | | | | | | | | |
| 245.0 | | | | | | | | | | |
| 240.0 | | | | | | | | | | |

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

SHEET 12

| | | | |
|---|---|---|---|
| PROJECT NO. 8.2407701 | ID. B-3530 | COUNTY WAKE | GEOLOGIST J.L. LOVE/C.D. CZAJKA |
| SITE DESCRIPTION BRIDGE NO. 174 ON -L- (SR 2320, RILEY HILL RD.) OVER BUFFALO CREEK | | | GROUND WATER |
| BORING NO. EB2-B | BORING LOCATION 16+33 | OFFSET 16' RT | ALIGNMENT -L- | 0 HR. 5.2' |
| COLLAR ELEVATION 317.1' | NORTHING 768774 | EASTING 2169721 | 24 HR. 4.6' |
| TOTAL DEPTH 8.9' | DRILL MACHINE CME-550 | DRILL METHOD H.S. AUGERS | HAMMER TYPE MANUAL |
| START DATE 9/29/03 | COMPLETION DATE 9/29/03 | SURFACE WATER DEPTH N/A | DEPTH TO ROCK 8.6' |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 317.1 | | | | | | | | | | |
| 315.0 | 3.5 | 2 | 2 | 1 | 1.0 | X 3 | SS-1 | D | | ROADWAY EMBANKMENT, ORANGE-BROWN, SILTY SAND |
| | | | | | | | SS-2 | | | ALLUVIAL, ORANGE-BROWN, SILTY SAND |
| | | | | | | | SS-3 | M | | |
| 310.0 | 8.5 | 60 | | | 0.1 | 60/0.1 X | | | | DARK GRAY, SANDY CLAY |
| | | | | | | | | | | CRYSTALLINE ROCK (GRANITE) |
| 305.0 | | | | | | AUGER REFUSAL AT ELEVATION 308.2 FEET IN CRYSTALLINE ROCK (GRANITE) | | | | |
| 300.0 | | | | | | | | | | |
| 295.0 | | | | | | | | | | |
| 290.0 | | | | | | | | | | |
| 285.0 | | | | | | | | | | |
| 280.0 | | | | | | | | | | |
| 275.0 | | | | | | | | | | |
| 270.0 | | | | | | | | | | |
| 265.0 | | | | | | | | | | |
| 260.0 | | | | | | | | | | |
| 255.0 | | | | | | | | | | |
| 250.0 | | | | | | | | | | |
| 245.0 | | | | | | | | | | |
| 240.0 | | | | | | | | | | |