

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL UNIT CORE BORING REPORT

SHEET OF

| PROJECT NO. 8.2625201 | | ID. B-3454 | | COUNTY FORSYTH | | | GEOLOGIST MURRAY | | | | | | |
|---|----------------|--------------------------|------|--------------------------|----------------------|-----------|-----------------------|--------------|-------|---------------|-------|---------------------------|---|
| SITE DESCRIPTION BRIDGE 260 OVER MUDDY CREEK ON SR-1136 | | | | | | | | GROUND WATER | | | | | |
| BORING NO. B1-B | | BORING LOCATION 20+66.00 | | OFFSET 14.00 | | ALIGNMENT | | | 0 HR. | | | | |
| COLLAR ELEVATION 763.01 | | NORTHING 877725.9436 | | | EASTING 1601029.3126 | | | 24 HR. | | | | | |
| TOTAL DEPTH 59.9 | | DRILL MACHINE CME-550 | | DRILL METHOD NW CAS/NXWL | | | HAMMER TYPE AUTOMATIC | | | | | | |
| START DATE 1/28/03 | | COMPLETION DATE 1/28/03 | | | SURFACE WATER DEPTH | | DEPTH TO ROCK 50.4 | | | | | | |
| ELEV. (FT.) | DEPTH (FT.) | BLOW COUNT | | | BLOWS PER FOOT | | | | | SAMPLE NUMBER | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 0.5' | 1.0' | 1.5' | 0 | 25 | 50 | 75 | 100 | | | | |
| 763.01 | | | | | | | | | | | | | 0-12' FILL: VERY SOFT, WET, RED CLAYEY SILT |
| 760.00 | | | | | | | | | | | | M | |
| 755.00 | 10.2 | 0 | 0 | 0 | 1 | X 0 | | | | | | | SS-24 |
| 750.00 | 15.2 | 2 | 2 | 1 | 1 | X 3 | | | | | | W | 12' - 16.2' SOFT, WET, RESIDUAL, SANDY CLAY |
| 745.00 | 20.2 | 3 | 3 | 4 | 1 | X 7 | | | | | | W | 16.2' - 25' RESIDUAL, MEDIUM STIFF, WET, OLIVE TAN, SANDY SILTY CLAY |
| 740.00 | 25.2 | 4 | 5 | 7 | 1 | X 12 | | | | | | W | 25' - 31' RESIDUAL, WET, VERY STIFF, OLIVE TAN, FINE SANDY SILTY CLAY |
| 735.00 | 30.2 | 5 | 8 | 12 | 1 | X 20 | | | | | | | SS-27 |
| 730.00 | 34.5 | 13 | 19 | 25 | 1 | X 44 | | | | | | W | 31' - 44' RESIDUAL, DENSE, WET, OLIVE TAN, SANDY SOIL WITH WEATHERED ROCK INTERVALS |
| 725.00 | 39.5 | 9 | 19 | 37 | 1 | X 56 | | | | | | | SS-28 |
| 720.00 | 44.5 | 75 | 25 | | | | | | | | 100 X | | 44' - 50.4' WEATHERED ROCK WITH INTERVALS OF SOFTER MATERIAL |
| 715.00 | 49.5 | 100 | | | | | | | | | 100 X | | CORE1 |
| 710.00 | 50.4 | | | | | | | | | | | | CORE2 |
| 705.00 | 54.9 | | | | | | | | | | | | 50.4' - 59.4' HARD, FRESH VERY CLOSE FRACTURED GABBRO. |
| 700.00 | | | | | | | | | | | | | |
| 695.00 | | | | | | | | | | | | | |
| 690.00 | | | | | | | | | | | | | |
| 685.00 | | | | | | | | | | | | | |

PROJECT NO: 8.2625201 PROJECT ID: B-3454 COUNTY: Forsyth GEOLOGIST: C.C. MURRAY
 SITE DESCRIPTION: Bridge 60 over Muddy Creek on SR 1525 DRILLER: J.E. ESTEP
 BORING NO: B1-B BORING LOCATION (STA): 20+66 OFFSET: 14.00
 COLLAR ELEV: 763.01 PERSONNEL: DKB, JEE, CCM CORE SIZE: NXWL
 TOTAL DEPTH: 59.90 DRILL MACHINE: CME-550 DATE STARTED: 1/28/03
 TOTAL RUN: 9.5 DRILL EQUIP: DATE COMPLETED: 1/28/03

| ELEV. (FT) | DEPTH (FT) | DRILL RATE (MIN/1.0 FT) | RUN NO. | REC % (FT) | RQD % (FT) | SAMPLE NO. | FIELD CLASSIFICATION AND REMARKS |
|------------|------------|-------------------------|---------|------------|------------|------------|---|
| 712.61 | 50.4 | | 1 | 22.2% | 22% | | 50.4' - 54.9' Dark greenish gray, hard, fresh to slightly weathered close spaced fractured, medium grained Gabbro with sharp contact to saprolitic clay on the top. |
| 708.11 | 54.9 | | | | | | |
| 708.11 | 54.9 | | 2 | 17.8% | 0 | | 54.9' - 59.9' Rock is similar to run above, except very close spaced fractures. |
| 703.11 | 59.9 | | | | | | Boring terminated in rock at 59.9'. |
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NOTES

BJORING TERMINATED AT 59.9 IN ROCK.