

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 2

| PROJECT NO. | 8.I33180I | ID. | B-4320 | COUNTY | WAYNE/DUPLIN | GEOLOGIST | R.L. EDWARDS | | | | | | | |
|------------------|----------------|-----------------|--------|---------------|-----------------|----------------|--|--------------|-------------|---------------------|------|-----|------------------------------|---|
| SITE DESCRIPTION | | | | | | | BRIDGE NO. 24 ON NC 403 OVER NORTHEAST CAPE FEAR RIVER | GROUND WATER | | | | | | |
| BORING NO. | EBI-B | BORING LOCATION | | 15+83 | OFFSET | 17.0' RT. | ALIGNMENT | -L- | | | | | | |
| COLLAR ELEVATION | | | 110.3' | NORTHING | 0.00 | EASTING | 0.00 | 0 HR. N.M. | | | | | | |
| TOTAL DEPTH | | | 74.0' | DRILL MACHINE | | CME-45B | DRILL METHOD | ROTARY W/MUD | HAMMER TYPE | AUTOMATIC | | | | |
| START DATE | | 9/5/02 | | | COMPLETION DATE | | 9/6/02 | | | SURFACE WATER DEPTH | | | | |
| ELEV. | DEPTH (FT.) | BLOW COUNT | | | PEN. (FT.) | BLOWS PER FOOT | | | | SAMPLE NUMBER | MOI. | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 0.5' | 0.5' | 0.5' | | 0 | 25 | 50 | 75 | | | | | 100 |
| 110.3 | 0.0 | 2 | 3 | 4 | 1 | | | | | | | | | |
| | 4.0 | 1 | 1 | 1 | 1 | | | | | | | | SS-1 | TAN BROWN SILTY FINE TO COARSE SAND, MOI. TO SAT. (FILL) |
| 105.0 | 7.5 | 0 | 0 | 2 | 1 | | | | | | | | SS-2 | BLACK SILTY FINE TO COARSE ORGANIC SAND, SAT. (ALLUVIUM) |
| 100.0 | 12.5 | 5 | 8 | 7 | 1 | | | | | | | | SS-3 | TAN FINE TO COARSE SAND, SAT. (MIDDENDORF FORMATION) |
| 95.0 | 17.5 | 5 | 2 | 1 | 1 | | | | | | | | SS-4 | |
| 90.0 | 22.5 | 11 | 20 | 19 | 1 | | | | | | | | SS-5 | |
| 85.0 | 27.5 | 13 | 17 | 21 | 1 | | | | | | | | SS-6 | |
| 80.0 | 32.5 | 10 | 13 | 18 | 1 | | | | | | | | SS-7 | GRAY MICACEOUS FINE TO COARSE SAND WITH LIGNITE, SAT. (BLACK CREEK FORMATION) |
| 75.0 | 37.5 | 8 | 9 | 11 | 1 | | | | | | | | SS-8 | |
| 70.0 | 42.5 | 4 | 8 | 16 | 1 | | | | | | | | SS-9 | |
| 65.0 | 47.5 | 6 | 7 | 11 | 1 | | | | | | | | SS-10 | |
| 60.0 | 52.5 | 3 | 7 | 9 | 1 | | | | | | | | | |
| 55.0 | 57.5 | WOH | WOH | WOH | 1 | | | | | | | | | |
| 50.0 | 62.5 | 6 | 12 | 17 | 1 | | | | | | | | | |
| 45.0 | 67.5 | 10 | 20 | 52 | 1 | | | | | | | | | |
| 40.0 | 72.5 | 18 | 36 | 56 | 1 | | | | | | | | | |

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BORING TERMINATED AT
 ELEV. 36.3' IN VERY DENSE
 SAND