

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

| PROJECT NO. 6.469002T | | ID. R-0513BA | | COUNTY ROBESON | | GEOLOGIST O.B. OTI | | | | | | | | |
|---|--------------------------|--------------|---------------------------|----------------|-----------------------|--------------------|--------------|----|----|-----|---------------|------------------------|---------------------------|---|
| SITE DESCRIPTION STRUCTURES NO. 3 AND 4 ON -L- (US 74 BYPASS) OVER CSX RR | | | | | | | GROUND WATER | | | | | | | |
| BORING NO. EB2-A | BORING LOCATION 138+50.0 | | OFFSET 18.4m LT | ALIGNMENT -L- | | 0 HR. N/A | | | | | | | | |
| COLLAR ELEV. 46.46m | NORTHING 97962.9 | | EASTING 588720.9 | | 24 HR. 1.70m | | | | | | | | | |
| TOTAL DEPTH 19.52m | DRILL MACHINE CME-550 | | DRILL METHOD ROTARY W/MUD | | HAMMER TYPE AUTOMATIC | | | | | | | | | |
| START DATE 5/7/03 | COMPLETION DATE 5/7/03 | | SURFACE WATER DEPTH N/A | | DEPTH TO ROCK N/A | | | | | | | | | |
| ELEV. | DEPTH | BLOW COUNT | | | PEN. (m) | BLOWS PER 30cm | | | | | SAMPLE NUMBER | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 15cm | 15cm | 15cm | | 0 | 25 | 50 | 75 | 100 | | | | |
| 46.46 | | | | | | | | | | | | | | |
| 46.00 | 0.83 | 1 | 2 | 4 | 0.30 | X 6 | | | | | | SS-200 | W | DUPLIN FORMATION, TAN-GRAY, SANDY CLAY |
| 44.00 | 2.35 | 7 | 10 | 12 | 0.30 | X 22 | | | | | | SS-201 | W | TAN-GRAY, COARSE SAND |
| 42.00 | 3.87 | WOH | WOH | WOH | 0.30 | X WOH | | | | | | SS-202 ST-1 ST-2 | W | GRAY, SILTY CLAY |
| 40.00 | 5.39 | 1 | 2 | 2 | 0.30 | X 4 | | | | | | SS-203 | W | GRAY, SILTY CLAY |
| 38.00 | 6.91 | WOH | WOH | WOH | 0.30 | X WOH | | | | | | SS-204 | W | GRAY, COARSE SAND |
| 36.00 | 8.43 | 3 | 10 | 12 | 0.30 | X 22 | | | | | | SS-205 | 16% | BLACK CREEK FORMATION, TAN-GRAY, SANDY CLAY |
| 34.00 | 9.95 | 3 | 7 | 9 | 0.30 | X 16 | | | | | | SS-206 | W | TAN-GRAY, SILTY CLAY |
| 32.00 | 11.47 | 4 | 7 | 12 | 0.30 | X 19 | | | | | | SS-207 | 30% | TAN-GRAY, SILTY CLAY |
| 30.00 | 12.99 | 3 | 6 | 10 | 0.30 | X 16 | | | | | | SS-208 | W | TAN-GRAY, SILTY CLAY |
| 28.00 | 14.51 | 5 | 10 | 13 | 0.30 | X 23 | | | | | | SS-209 | W | TAN-GRAY, SILTY CLAY |
| | 16.03 | 4 | 7 | 10 | 0.30 | X 17 | | | | | | SS-210 | W | GRAY, CLAYEY SAND |
| | 17.55 | 5 | 10 | 12 | 0.30 | X 22 | | | | | | | | |
| | 19.07 | 7 | 12 | 13 | 0.30 | X 25 | | | | | | | | |
| BORING TERMINATED AT ELEVATION 26.94 METERS IN CLAYEY SAND | | | | | | | | | | | | | | |

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|---|--------------------------|--------------|---------------------------|----------------|-----------------------|--------------------|--------------|----|----|-----|---------------|--------|---------------------------|---|
| SITE DESCRIPTION STRUCTURES NO. 3 AND 4 ON -L- (US 74 BYPASS) OVER CSX RR | | | | | | | GROUND WATER | | | | | | | |
| BORING NO. EB2-B | BORING LOCATION 138+64.1 | | OFFSET 19.3m RT | ALIGNMENT -L- | | 0 HR. N/A | | | | | | | | |
| COLLAR ELEV. 46.47m | NORTHING 97939.8 | | EASTING 588691.2 | | 24 HR. 1.90m | | | | | | | | | |
| TOTAL DEPTH 17.98m | DRILL MACHINE CME-550 | | DRILL METHOD ROTARY W/MUD | | HAMMER TYPE AUTOMATIC | | | | | | | | | |
| START DATE 5/8/03 | COMPLETION DATE 5/8/03 | | SURFACE WATER DEPTH N/A | | DEPTH TO ROCK N/A | | | | | | | | | |
| ELEV. | DEPTH | BLOW COUNT | | | PEN. (m) | BLOWS PER 30cm | | | | | SAMPLE NUMBER | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 15cm | 15cm | 15cm | | 0 | 25 | 50 | 75 | 100 | | | | |
| 46.47 | | | | | | | | | | | | | | |
| 46.00 | 0.81 | 1 | 6 | 10 | 0.30 | X 16 | | | | | | | W | |
| 44.00 | 2.33 | 2 | 3 | 8 | 0.30 | X 11 | | | | | | | W | DUPLIN FORMATION, TAN-GRAY, COARSE SAND |
| 42.00 | 3.85 | 3 | 1 | 1 | 0.30 | X 2 | | | | | | | W | |
| 40.00 | 5.37 | 1 | 1 | 6 | 0.30 | X 7 | | | | | | | W | GRAY, SILTY CLAY |
| 38.00 | 6.89 | WOH | WOH | WOH | 0.30 | X WOH | | | | | | | W | TAN-GRAY, COARSE SAND |
| 36.00 | 8.41 | 2 | 15 | 8 | 0.30 | X 23 | | | | | | | W | BLACK CREEK FORMATION, TAN-GRAY, SANDY CLAY |
| 34.00 | 9.93 | 3 | 7 | 8 | 0.30 | X 15 | | | | | | | W | TAN-GRAY, SILTY CLAY |
| 32.00 | 11.45 | 3 | 6 | 10 | 0.30 | X 16 | | | | | | | W | TAN-GRAY, SILTY CLAY |
| 30.00 | 12.97 | 6 | 12 | 15 | 0.30 | X 27 | | | | | | | W | TAN-GRAY, SILTY CLAY |
| | 14.49 | 7 | 13 | 18 | 0.30 | X 31 | | | | | | | W | GRAY, CLAYEY SAND |
| | 16.01 | 6 | 9 | 13 | 0.30 | X 22 | | | | | | SS-211 | W | GRAY, CLAYEY SAND |
| | 17.53 | 6 | 20 | 30 | 0.30 | X 50 | | | | | | SS-212 | W | GRAY, SILTY SAND |
| | 28.00 | | | | | | | | | | | | W | GRAY, CLAYEY SAND |
| BORING TERMINATED AT ELEVATION 28.49 METERS IN CLAYEY SAND | | | | | | | | | | | | | | |