

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG

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GEOTECHNICAL UNIT BORING LOG

| PROJECT NO 33501.1.1                                     |       | ID B-4152                 |                        | COUNTY HOKE         |      | GEOLOGIST J.E. BEVERLY     |              |    |    |           |     |                           |  |  |
|--|-------|---------------------------|------------------------|---------------------|------|----------------------------|--------------|----|----|-----------|-----|---------------------------|--|--|
| SITE DESCRIPTION BRIDGE # 53 ON SR 1422 OVER PUPPY CREEK |       |                           |                        |                     |      |                            | GND WATER    |    |    |           |     |                           |  |  |
| BORING NO B1-A   |       | NORTHING 0.00             |                        | EASTING 0.00        |      | 0 HR 7.70ft                | 24 HR 7.10ft |    |    |           |     |                           |  |  |
| ALIGNMENT L  |       | BORING LOCATION 14+43.000 |                        | OFFSET 11.40ft LT   |      | 24 HR 7.10ft               |              |    |    |           |     |                           |  |  |
| COLLAR ELEV 145.51ft                                     |       | TOTAL DEPTH 55.90ft       |                        | START DATE 12/08/04 |      | COMPLETION DATE 12/08/04   |              |    |    |           |     |                           |  |  |
| DRILL MACHINE CME-550                                    |       |                           | DRILL METHOD NW CASING |                     |      | HAMMER TYPE AUTOMATIC      |              |    |    |           |     |                           |  |  |
| SURFACE WATER DEPTH                                      |       |                           | DEPTH TO ROCK N/A      |                     |      | Log B1-A, Page 1 of 2      |              |    |    |           |     |                           |  |  |
| ELEV   | DEPTH | BLOW CT                   |                        |                     | PEN  | BLOWS PER FOOT             |              |    |    | SAMPLE NO | LOG | SOIL AND ROCK DESCRIPTION |  |  |
|  |       | 6in                       | 6in                    | 6in                 | (ft) | 0                          | 25           | 50 | 75 | 100       |     |                           |  |  |
| 145.51   |       |                           |                        |                     |      | Ground Surface             |              |    |    |           |     |                           |  |  |
| 140.00   | 4.40  | 6                         | 7                      | 8                   | 1.0  |                            |              |    |    |           |     |                           | ROADWAY FILL - MEDIUM DENSE GRAY-WHITE SAND                  |  |
|  | 9.40  | 0                         | 1                      | 1                   | 1.0  |                            |              |    |    |           |     |                           | ALLUVIUM - SOFT BLACK CLAYEY SANDY SILT WITH ORGANICS        |  |
| 130.00   | 14.40 | 9                         | 11                     | 10                  | 1.0  |                            |              |    |    |           |     |                           | VERY STIFF GRAY CLAYEY SANDY SILT                            |  |
|  | 19.40 | 7                         | 16                     | 17                  | 1.0  |                            |              |    |    |           |     |                           | COASTAL PLAIN - DENSE TO VERY DENSE TAN AND GRAY CLAYEY SAND |  |
| 120.00   | 24.40 | 13                        | 21                     | 27                  | 1.0  |                            |              |    |    |           |     |                           |  |  |
|  | 29.40 | 10                        | 20                     | 23                  | 1.0  |                            |              |    |    |           |     |                           |  |  |
| 110.00   | 34.40 | 43                        | 57                     |                     | 0.9  |                            |              |    |    |           |     |                           | COASTAL PLAIN SEDIMENTARY ROCK                               |  |
|  | 39.40 | 16                        | 21                     | 24                  | 1.0  |                            |              |    |    |           |     |                           | MEDIUM DENSE TO DENSE GRAY SAND                              |  |
|  | 44.40 | 4                         | 6                      | 10                  | 1.0  |                            |              |    |    |           |     |                           |  |  |
| 97.51  |       |                           |                        |                     |      | Continued on the next page |              |    |    |           |     |                           |  |  |

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| COLLAR ELEV 145.51ft                                     |       | TOTAL DEPTH 55.90ft       |                        | START DATE 12/08/04 |      | COMPLETION DATE 12/08/04                                |              |    |    |           |     |                           |   |  |
| DRILL MACHINE CME-550                                    |       |                           | DRILL METHOD NW CASING |                     |      | HAMMER TYPE AUTOMATIC                                   |              |    |    |           |     |                           |   |  |
| SURFACE WATER DEPTH                                      |       |                           | DEPTH TO ROCK N/A      |                     |      | Log B1-A, Page 2 of 2                                   |              |    |    |           |     |                           |   |  |
| ELEV   | DEPTH | BLOW CT                   |                        |                     | PEN  | BLOWS PER FOOT  |              |    |    | SAMPLE NO | LOG | SOIL AND ROCK DESCRIPTION |   |  |
|  |       | 6in                       | 6in                    | 6in                 | (ft) | 0   | 25           | 50 | 75 | 100       |     |                           |   |  |
| 97.51  | 49.40 | 8                         | 14                     | 19                  | 1.0  |   |              |    |    |           |     |                           | VERY STIFF TO HARD SILTY CLAY (HIGH PI) |  |
| 89.89  | 54.40 | 5                         | 8                      | 11                  | 1.0  |   |              |    |    |           |     |                           |   |  |
|  |       |                           |                        |                     |      | BORING TERMINATED AT ELEVATION 89.61 IN VERY STIFF CLAY |              |    |    |           |     |                           |   |  |