

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

| PROJECT NO 8.1910203  |       | ID R-977A                 |                               | COUNTY CHEROKEE     |         | GEOLOGIST T.P. SHELTON    |           |    |     |           |     |                           |  |
|---|-------|---------------------------|-------------------------------|---------------------|---------|---------------------------|-----------|----|-----|-----------|-----|---------------------------|--|
| SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE |       |                           |                               |                     |         |                           | GND WATER |    |     |           |     |                           |  |
| BORING NO EBL B1-B  |       | NORTHING 0.00             |                               | EASTING 0.00        |         | 0 HR N/A                  |           |    |     |           |     |                           |  |
| ALIGNMENT -L-REV  |       | BORING LOCATION 67+86.750 |                               | OFFSET 17.30m RT    |         | 24 HR N/A                 |           |    |     |           |     |                           |  |
| COLLAR ELEV 476.73m   |       | TOTAL DEPTH 19.38m        |                               | START DATE 10/07/97 |         | COMPLETION DATE 10/08/97  |           |    |     |           |     |                           |  |
| DRILL MACHINE CME 550   |       |                           | DRILL METHOD SPT CAS ADV NXWL |                     |         | HAMMER TYPE AUTOMATIC     |           |    |     |           |     |                           |  |
| SURFACE WATER DEPTH   |       |                           | DEPTH TO ROCK 8.57m           |                     |         | Log EBL B1-B, Page 1 of 2 |           |    |     |           |     |                           |  |
| ELEV  | DEPTH | BLOW CT                   |                               |                     | PEN (m) | BLOWS PER 30cm            |           |    |     | SAMPLE NO | LOG | SOIL AND ROCK DESCRIPTION |  |
|   |       | 15cm                      | 15cm                          | 15cm                |         | 0                         | 25        | 50 | 75  |           |     |                           | 100  |
| 476.73  |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | Ground Surface   |
| 476.00  |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | ALLUVIUM: BROWN, LOOSE TO DENSE SILTY SAND   |
| 474.00  | 1.89  | 1                         | 2                             | 2                   | 0.3     | 4                         |           |    |     |           | W   |                           |  |
| 472.00  | 3.41  | 1                         | 11                            | 14                  | 0.3     | 25                        |           |    |     |           | W   |                           | ALLUVIUM: BROWN, DENSE, SILTY COARSE SAND WITH GRAVEL                                    |
| 470.00  | 4.94  | 100                       | 0                             | 0                   | 0.1     |                           |           |    | 100 |           |     |                           | OLIVE BROWN, SILTY, SOFT WEATHERED ROCK  |
| 468.00  | 6.46  | 85                        | 85                            | 15                  | 0.2     |                           |           |    | 100 |           |     |                           |  |
| 466.00  | 7.99  | 100                       | 0                             | 0                   | 0.1     |                           |           |    | 100 |           |     |                           |  |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | FRESH, SOUND METASILTSTONE WITH A FEW THIN WEATHERED ZONES IN UPPER HALF REC=96% RQD=85% |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | CORE 1   |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | CORE 2   |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | CORE 3   |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | CORE 4   |
|   |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | CORE 5   |
| 459.00  |       |                           |                               |                     |         |                           |           |    |     |           |     |                           | Continued on the next page   |

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| 459.00  |       |                           |                               |                     |         |                           |           |    |    |           |     |                           |  |
| 458.00  |       |                           |                               |                     |         |                           |           |    |    |           |     |                           | FRESH, SOUND METASILTSTONE WITH A FEW THIN WEATHERED ZONES IN UPPER HALF REC=96% RQD=85% |
| 457.35  |       |                           |                               |                     |         |                           |           |    |    |           |     |                           |  |
|   |       |                           |                               |                     |         |                           |           |    |    |           |     |                           | BORING TERMINATED AT ELEVATION 457.349 METERS IN ROCK                                    |