

| PROJECT NO. 6.529005T | | ID. R-2610B(1) | | COUNTY Chatham | | GEOLOGIST B. Deobald | | | | | | |
|--|-----------|-------------------------|------|-----------------------------|---|---------------------------|------------------|----|----|-----------|-----|---|
| SITE DESCRIPTION Bridge on SBL US 421(-L-) over Bear Creek (MACTEC Proj. No. 6468-03-0124) | | | | | | | GROUND WATER (m) | | | | | |
| BORING NO. EB1-A | | BORING LOCATION 22+55.4 | | OFFSET 17.2m LT | ALIGNMENT -L- | 0 HR. C.I.@1.80 | | | | | | |
| COLLAR ELEV. 116.96 m | | NORTHING 206,635.0 | | EASTING 578,444.2 | | 24 HR. C.I.@2.00, Dry | | | | | | |
| TOTAL DEPTH 3.37 m | | DRILL MACHINE D-50 | | DRILL METHOD HSA-2.25" I.D. | | HAMMER TYPE 63.5kg Manual | | | | | | |
| DATE STARTED 4/2/03 | | COMPLETED 4/2/03 | | SURFACE WATER DEPTH N/A | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | | | |
| 116.96 | 0.00 | 3 | 6 | 4 | Ground Surface | | | | | | | 116.96 0.00 |
| 115.70 | 1.26 | 2 | 5 | 6 | Residual: Brown and orange, silty CLAY (A-7-6) | | | | | M | | Shelby tube pushed from 0.70m to 1.35m at offset location, recovery=0.41m |
| 114.25 | 2.71 | 5 | 42 | 58/13cm | ST-2: Shelby tube pushed from 1.35m to 2.05m at offset location, recovery=0.70m | | | | | ST-2 | M | |
| | | | | | Weathered Rock: META-ARGILLITE | | | | | | | 114.01 2.95 |
| | | | | | Boring Terminated by Auger Refusal at 3.37m (Elev. 113.59m) in Weathered Rock: META-ARGILLITE | | | | | | | 113.59 3.37 |

NCDOT BORE SINGLE BEARCREEK.GPJ NC DOT.GDT 5/2/03

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|--|-----------|-------------------------|--------|-----------------------------|---|---------------------------|------------------|----|----|-----------|-------|---------------------------|
| SITE DESCRIPTION Bridge on SBL US 421(-L-) over Bear Creek (MACTEC Proj. No. 6468-03-0124) | | | | | | | GROUND WATER (m) | | | | | |
| BORING NO. EB1-B | | BORING LOCATION 22+50.1 | | OFFSET 5.8m LT | ALIGNMENT -L- | 0 HR. 2.00 | | | | | | |
| COLLAR ELEV. 116.97 m | | NORTHING 206,640.1 | | EASTING 578,455.7 | | 24 HR. 2.10 | | | | | | |
| TOTAL DEPTH 3.56 m | | DRILL MACHINE D-50 | | DRILL METHOD HSA-2.25" I.D. | | HAMMER TYPE 63.5kg Manual | | | | | | |
| DATE STARTED 4/2/03 | | COMPLETED 4/2/03 | | SURFACE WATER DEPTH N/A | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | | | |
| 116.97 | 0.00 | 3 | 11 | 15 | Ground Surface | | | | | | | 116.97 0.00 |
| 115.71 | 1.26 | 4 | 5 | 6 | Residual: Orange and tan, fine to coarse sandy, silty CLAY (A-6) | | | | | SS-1 | 20.6% | 115.07 0.90 |
| 114.16 | 2.81 | 60 | 40/3cm | 100/18cm | Residual: Orange, silty CLAY (A-7-6) | | | | | M | | 114.27 2.70 |
| | | | | | Weathered Rock: META-ARGILLITE | | | | | | | 114.27 2.70 |
| | | | | | Boring Terminated by Auger Refusal at 3.56m (Elev. 113.41m) in Weathered Rock: META-ARGILLITE | | | | | | | 113.41 3.56 |

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