

| PROJECT NO. | 6.529005T | ID. | R-2610A | FED. NO. | N/A | CO. | Chatham | FIELD SUPERV. | D. Hardister | | | | | | |
|---|--------------|-----------------|-----------------|------------------------|------------------------------|---------------------|------------|------------------|--------------|--------------|------------|---------------------------|---|-------|------|
| SITE DESCRIPTION | | | | | | | | GROUND WATER (m) | | | | | | | |
| Site 1: Bridge on SBL US 421 over AC&WR | | | | | | | | 0 HR. | N/M | | | | | | |
| BORING NO. | B2-A | BORING LOCATION | 18+15.8 | OFFSET | 16.4m LT | ALIGNMENT | -L- | | | | | | | | |
| COLLAR ELEV. | 84.01 m | TOTAL DEPTH | 23.14 m | NORTHING | 200646.043 | EASTING | 583099.260 | 24 HR. | 4.60 | | | | | | |
| DRILL MACHINE | CME 550x | DRILL METHOD | HSA/NQ Wireline | HAMMER TYPE | Automatic | FINAL CASING DEPTH | 14.98 m | | | | | | | | |
| DATE STARTED | 10/7/02 | COMPLETED | 10/8/02 | DRILLING FLUID DENSITY | Tap Water | SURFACE WATER DEPTH | N/A | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG MOI | SOIL AND ROCK DESCRIPTION | | | |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | | | | 100 | | |
| 84.01 | 0.00 | | | | Ground Surface Elev. 84.01 m | | | | | | | | 84.01 | 0.00 | |
| | 1.07 | 4 | 4 | 6 | | | | | | | | M | Residual-Stiff Orange-Grey Fine Sandy Silty CLAY (A-7-5) | 81.61 | 2.40 |
| | 2.59 | 9 | 12 | 15 | | | | | | | | D | Residual-Very Stiff Tan-Orange-Grey, Orange-Brown, and Grey Fine Sandy SILT (A-5) | | |
| | 4.12 | 6 | 10 | 12 | | | | | | | | D | | | |
| | 5.64 | 9 | 8 | 9 | | | | | | | | D | | | |
| | 7.16 | 7 | 7 | 12 | | | | | | | | D | | | |
| | 8.69 | 8 | 13 | 18 | | | | | | | | D | | | |
| | 10.21 | 4 | 9 | 14 | | | | | | | | M | | | |
| | 11.74 | 6 | 14 | 22 | | | | | | | | W | | | |
| | 13.26 | 25 | 29 | 71/14 | | | | | | | | M | | | |
| | 14.79 | 50 | 50/04 | | | | | | | | | D | | | |
| | 15.51 | 18 | 14 | 16 | | | | | | | | W | | | |
| | 17.03 | 100/12 | | | | | | | | | | M | | | |
| | 18.55 | 34 | 66/05 | | | | | | | | | M | | | |

ICDOT_BORE11X17 GR020409.GPJ NCDOT2.GDT 1/7/03

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| COLLAR ELEV. | 84.01 m | TOTAL DEPTH | 23.14 m | NORTHING | 200646.043 | EASTING | 583099.260 | 24 HR. | 4.60 | | | | | | |
| DRILL MACHINE | CME 550x | DRILL METHOD | HSA/NQ Wireline | HAMMER TYPE | Automatic | FINAL CASING DEPTH | 14.98 m | | | | | | | | |
| DATE STARTED | 10/7/02 | COMPLETED | 10/8/02 | DRILLING FLUID DENSITY | Tap Water | SURFACE WATER DEPTH | N/A | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG MOI | SOIL AND ROCK DESCRIPTION | | | |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | | | | 100 | | |
| | 20.07 | 22 | 41 | 33 | | | | | | | | M | Residual-Hard Red-Grey Fine Sandy SILT (A-4) | 64.04 | 19.97 |
| | 21.59 | 19 | 41 | 59/03 | | | | | | | | M | Weathered Rock-Red-Grey Severely Weathered Medium Hard and Soft Friable and Moderately Indurated Triassic Mudstone with Close and Very Close Fracture Spacing | 62.57 | 21.44 |
| | 23.11 | 100/03 | | | | | | | | | | M | Non-Crystalline Rock-Red-Grey Triassic Mudstone Boring Terminated @ Elev. 60.87m in Non-Crystalline Rock (Triassic Mudstone) | 60.90 | 23.11 |

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