

| PROJECT NO. 33602.1.1 | | ID. B-4260 | | FED. NO. BRZ-1352(5) | | CO. Rutherford | | FIELD SUPERV. D. Hardister | | | | | | |
|--|------------|-----------------------|-------|------------------------------------|-------------------------------|----------------------------|----|----------------------------|----|-----------|------|--|------|---|
| SITE DESCRIPTION Bridge No. 350 over West Branch Mountain Creek on SR 1352 | | | | | | | | GROUND WATER (ft) | | | | | | |
| BORING NO. B1-A | | BORING LOCATION 16+07 | | OFFSET 13' LT | | ALIGNMENT -L- | | 0 HR. N/M | | | | | | |
| COLLAR ELEV. 865.4 ft | | TOTAL DEPTH 40.6 ft | | NORTHING 625392.97 | | EASTING 1096234.64 | | 24 HR. 5.8 | | | | | | |
| DRILL MACHINE CME 550x | | DRILL METHOD HSA/HQ | | HAMMER TYPE Automatic | | FINAL CASING DEPTH 32.3 ft | | | | | | | | |
| DATE STARTED 9/14/04 | | COMPLETED 9/15/04 | | DRILLING FLUID DENSITY Creek Water | | SURFACE WATER DEPTH N/A | | | | | | | | |
| ELEV. (ft) | DEPTH (ft) | BLOW COUNT | | | BLOWS PER FOOT | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION | | |
| | | 0.5ft | 0.5ft | 0.5ft | 0 | 20 | 40 | 60 | 80 | | | | 100 | |
| 865.4 | 0.00 | | | | Ground Surface Elev. 865.4 ft | | | | | | | 865.4 | 0.00 | |
| 865 | 2.0 | 1 | WOH | 1 | | | | | | | SAT | Alluvial-Very Loose Brown Silty Coarse to Fine SAND (A-2-4) | | |
| 860 | 7.0 | WOH | WOH | WOH | | | | | | | SAT | | | |
| 855 | 12.0 | 10 | 8 | 7 | | | | | | | W | | | |
| 850 | 17.0 | 20 | 38 | 34 | | | | | | | SS-2 | Residual-Medium Dense Orange-Grey Micaceous Silty Coarse to Fine SAND (A-2-4) | | |
| 845 | 22.5 | 11 | 10 | 11 | | | | | | | W | Residual-Very Dense Orange-Grey Micaceous Silty Coarse to Fine SAND with Rock Fragments (A-2-4) | | |
| 840 | 27.5 | 14 | 19 | 23 | | | | | | | W | | | |
| 835 | 32.3 | 60/0 | | | | | | | | | W | | | |
| 830 | | | | | | | | | | | RS-1 | Residual-Medium Dense to Dense Brown-White and Orange-Grey Micaceous Silty Coarse to Fine SAND (A-2-4) | | |
| | | | | | | | | | | | | 834.8 | 30.6 | Weathered Rock-Grey-White Weathered Migmatitic Granitic Gneiss |
| | | | | | | | | | | | | 833.5 | 31.9 | Crystalline Rock-Grey-White Migmatitic Granitic Gneiss |
| | | | | | | | | | | | | 833.1 | 32.3 | Crystalline Rock-Grey-Black Slightly Weathered Very Hard Migmatitic Granitic Gneiss with Close and Very Close Fracture Spacing |
| | | | | | | | | | | | | 830.4 | 35.0 | Crystalline Rock-Grey-Black Slightly Weathered Very Hard Migmatitic Granitic Gneiss with Moderately Close and Wide Fracture Spacing |

NCDOT_BORE11X17 GR040315.GPJ NCDOT2.GDT 10/1/04

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| DATE STARTED 9/14/04 | | COMPLETED 9/15/04 | | DRILLING FLUID DENSITY Creek Water | | SURFACE WATER DEPTH N/A | | | | | | | | |
| ELEV. (ft) | DEPTH (ft) | BLOW COUNT | | | BLOWS PER FOOT | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION | | |
| | | 0.5ft | 0.5ft | 0.5ft | 0 | 20 | 40 | 60 | 80 | | | | 100 | |
| 825 | 40.6 | | | | | | | | | | | 824.8 | 40.6 | Coring Terminated at Elev. 824.8ft in Crystalline Rock (Migmatitic Granitic Gneiss) |

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