

| 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. B2-A | | BORING LOCATION 16+57 | | OFFSET 13' LT | | ALIGNMENT -L- | | 0 HR. N/M | | | | | |
| COLLAR ELEV. 865.8 ft | | TOTAL DEPTH 45.5 ft | | NORTHING 625440.26 | | EASTING 1096250.57 | | 24 HR. 6.6 | | | | | |
| DRILL MACHINE CME 550x | | DRILL METHOD HSA/HQ | | HAMMER TYPE Automatic | | FINAL CASING DEPTH 38.6 ft | | | | | | | |
| DATE STARTED 9/13/04 | | COMPLETED 9/13/04 | | 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 |
| 865.8 | 0.00 | | | | | | | | | | | | Ground Surface Elev. 865.8 ft |
| 865 | 3.5 | 1 | 1 | 1 | | | | | | | | SAT | Alluvial-Very Loose Orange-Brown Silty Coarse to Fine SAND (A-2-4) |
| 860 | 8.5 | 2 | 3 | 6 | | | | | | | | SAT | Alluvial-Loose Brown Silty Coarse to Fine SAND with Quartz Gravel (A-1-b) |
| 855 | 13.5 | 2 | 2 | 3 | | | | | | | | SAT | Residual-Loose to Medium Dense Tan-Grey, Orange-Brown, to Tan-Orange-Grey Micaceous Silty Coarse to Fine SAND (A-2-4) |
| 850 | 18.5 | 2 | 2 | 4 | | | | | | | | SAT | |
| 845 | 23.5 | 3 | 5 | 8 | | | | | | | | SAT | |
| 840 | 28.5 | 10 | 14 | 24 | | | | | | | | W | Residual-Dense to Very Dense Brown-White Micaceous Silty Coarse to Fine SAND (A-2-4) |
| 835 | 33.5 | 16 | 25 | 33 | | | | | | | | SS-4 | Weathered Rock-Grey-White Weathered |
| 830 | | | | | | | | | | | | | |

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

| 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. B2-A | | BORING LOCATION 16+57 | | OFFSET 13' LT | | ALIGNMENT -L- | | 0 HR. N/M | | | | | |
| COLLAR ELEV. 865.8 ft | | TOTAL DEPTH 45.5 ft | | NORTHING 625440.26 | | EASTING 1096250.57 | | 24 HR. 6.6 | | | | | |
| DRILL MACHINE CME 550x | | DRILL METHOD HSA/HQ | | HAMMER TYPE Automatic | | FINAL CASING DEPTH 38.6 ft | | | | | | | |
| DATE STARTED 9/13/04 | | COMPLETED 9/13/04 | | 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 |
| | | | | | | | | | | | | | |
| | 38.5 | 60 | 0 | 1 | | | | | | | | M | Migmatitic Granitic Gneiss |
| 825 | | | | | | | | | | | | RS-2 | Crystalline Rock-Grey-White Migmatitic Granitic Gneiss Crystalline Rock-Grey-Black-White Slightly and Moderately Weathered Very Hard and Hard Migmatitic Granitic Gneiss with Moderately Close and Close Fracture Spacing |
| | | | | | | | | | | | | | Coring Terminated at Elev. 820.3ft in Crystalline Rock (Migmatitic Granitic Gneiss) |

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