N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 1 OF 2

| | | | |
|---|---|---|---|
| PROJECT NO. 8.1631801 | ID. R-2911A | COUNTY Iredell | GEOLOGIST H. Hodgman |
| SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR) | | | GROUND WATER (m) |
| BORING NO. EB1-A LT | BORING LOCATION 39+12.6 | OFFSET 15.0m LT | ALIGNMENT -L- | 0 HR. NM |
| COLLAR ELEV. 260.22 m | NORTHING 223654.92 | EASTING 447282.51 | 24 HR. 10.61 |
| TOTAL DEPTH 19.37 m | DRILL MACHINE Mobile B-57 | DRILL METHOD Wash Rotary | HAMMER TYPE 63.5 kg Manual |
| DATE STARTED 11/25/02 | COMPLETED 11/25/02 | SURFACE WATER DEPTH NA | |

| ELEV. (m) | DEPTH (m) | BLOW COUNT 15cm | 15cm | 15cm | BLOWS PER 30 CM 0 20 40 60 80 100 | SAMP. NO. | MOI | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| 260.22 | | | | | | | | | 260.22 0.00 |
| 259.92 | 0.30 | | | | | | | | ARTIFICIAL FILL: Gravel for Septic Field |
| 259.15 | 1.07 | 2 | 5 | 5 | 10 | | S | | |
| 258.39 | 1.83 | 8 | 11 | 15 | 26 | | | | 258.62 1.60 |
| | | 5 | 6 | 7 | 13 | | M | | RESIDUAL: Stiff Red Silty Coarse to Fine Sandy CLAY |
| | | | | | | ST-2 | 34.0% | | 256.72 3.50 |
| 256.11 | 4.11 | 3 | 5 | 9 | 14 | | M | | Stiff to Hard Tan, Black, Grey, and Red Clayey Coarse to Fine Sandy SILT with Some Mica |
| 254.58 | 5.64 | 5 | 8 | 11 | 19 | | W | | |
| 253.06 | 7.16 | 4 | 6 | 10 | 16 | SS-1 | 49.5% | | |
| 251.53 | 8.69 | 4 | 5 | 7 | 12 | | W | | |
| 250.01 | 10.21 | 5 | 7 | 11 | 18 | | | | |
| 248.49 | 11.73 | 4 | 7 | 9 | 16 | | W | | |
| 246.97 | 13.25 | 5 | 7 | 10 | 17 | | W | | |
| 245.44 | 14.78 | 9 | 11 | 13 | 24 | | M | | |
| 243.91 | 16.31 | 11 | 14 | 22 | 36 | | M | | 243.42 16.80 |
| 242.39 | 17.83 | 50/2 | | | 50/2 | | | | CRYSTALLINE ROCK: White and Black Biotite Gneiss |

NCDOT BORE SINGLE 07102019.GPJ NC_DOT.GDT 2/12/03

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 2 OF 2

| | | | |
|---|---|---|---|
| PROJECT NO. 8.1631801 | ID. R-2911A | COUNTY Iredell | GEOLOGIST H. Hodgman |
| SITE DESCRIPTION Dual Bridges on -L- (US 70) Over -Y5A-, -Y5-, and -Y5B- (NSRR) | | | GROUND WATER (m) |
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| COLLAR ELEV. 260.22 m | NORTHING 223654.92 | EASTING 447282.51 | 24 HR. 10.61 |
| TOTAL DEPTH 19.37 m | DRILL MACHINE Mobile B-57 | DRILL METHOD Wash Rotary | HAMMER TYPE 63.5 kg Manual |
| DATE STARTED 11/25/02 | COMPLETED 11/25/02 | SURFACE WATER DEPTH NA | |

| ELEV. (m) | DEPTH (m) | BLOW COUNT 15cm | 15cm | 15cm | BLOWS PER 30 CM 0 20 40 60 80 100 | SAMP. NO. | MOI | LOG | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| 241.22 | | | | | Continued from previous page | | | | |
| 240.87 | 19.35 | 50/2 | | | 50/2 | | | | 240.85 19.37 |
| | | | | | | | | | Boring Terminated with SPT Refusal at Elevation 240.85m in Crystalline Rock: Biotite Gneiss |

Avg. drilling fluid density=±1.04 grams per cu cm with tap water alone used as drilling fluid

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