



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

WATERBURY
NHG SGNL(43)
I-89 & VT-100 EXIT #10

Boring No.: **B-101**
Page No.: **1 of 1**
Pin No.: **13B018**
Checked By: **LAR**

Boring Crew: GARROW, SALISBURY, DAIGNEAULT
Date Started: 3/25/13 Date Finished: 3/25/13
VTSPG NAD83: N 672184.97 ft E 1575013.29 ft
Station: 26+44 Offset: -3.00
Ground Elevation: 499.84 ft

Type: _____ Casing WB Sampler SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK C_s = 1.46

Groundwater Observations

| Date | Depth (ft) | Notes |
|------|------------|-------------|
| | | None Taken. |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (RCD %) | Drill Rate minutes/ft | Groundwater Observations | | | | |
|------------|------------|--|----------------|---------------------|-----------------------|--------------------------|--------------------|----------|--------|---------|
| | | | | | | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| | | Asphalt Pavement, 0.0 ft - 1.2 ft | | | | | | | | |
| 2.5 | | A-1-a, SaGr, gry, MTW, Rec. = 5.3 ft | | | | 13-22-25-R (47) | 5.3 | 65.6 | 26.3 | 8.1 |
| | | Field Note:, NXDC, Cleaned out casing | | | | | | | | |
| | | A-1-b, SaGr, gry, MTW, Rec. = 1.2 ft, Soft & Pulverized Ledge Cut Fill | | | | 11-26-17-16 (43) | 11.4 | 46.0 | 34.8 | 19.2 |
| 5.0 | | A-1-b, SiGrSa, gry, MTW, Rec. = 0.7 ft, Soft & Pulverized Ledge Cut Fill | | | | 10-R@5.0" (R) | 12.3 | 39.9 | 40.0 | 20.1 |
| | | Field Note:, NXDC, Cleaned out casing | | | | | | | | |
| 7.5 | | Field Note:, BXMDC, Rec. = 0.3', Soft & Pulverized Ledge Cut Fill | | | | | | | | |
| 10.0 | | Field Note:, NXDC, Cleaned out casing | | | | | | | | |
| 12.5 | | A-1-b, SiSaGr, gry, MTW, Rec. = 0.6 ft, Soft & Pulverized Ledge Cut Fill | | | | 38-R@1.0" (R) | 9.8 | 44.8 | 35.1 | 20.1 |
| 15.0 | | 14.0 ft - 17.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 50 | 1 (70) | 80 (77) | 5 | | | | | |
| | | | | | 5 | | | | | |
| | | | | | 5 | | | | | |
| 17.5 | | 17.0 ft - 19.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 46 | 2 (70) | 100 (70) | 4 | | | | | |
| | | | | | 4 | | | | | |
| 20.0 | | Hole stopped @ 19.0 ft | | | | | | | | |

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 WATERBURY NHG SGNL(43).GPJ VERMONT AOT.GDT 4/15/13