



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

BORING LOG

COLCHESTER
TCSP TSCE(9)
VT-15 MAST ARM POLE

Boring No.: B 101
Page No.: 1 of 1
Pin No.: 06B242
Checked By: NSM

Boring Crew: PORTER, WERNER, MAHMUTOVIC
Date Started: 8/10/10 Date Finished: 8/10/10
VTSPG NAD83: N 728764.00 ft E 1468652.07 ft
Station: 42+31.50 Offset: 12.40
Ground Elevation: 318.64 ft

Casing Type: H.S.A. Sampler: SS
I.D.: 2.75 in 2.35 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID CE = 1.33

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|-------|
| 08/10/10 | 9.0 | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|------------|--|--------------------|--------------------|----------|--------|---------|
| 5 | | A-2-4, GrSiSa, brn, Moist, Rec. = 1.6 ft | 2-6-12-13 (18) | 6.1 | 20.9 | 56.2 | 22.9 |
| | | A-2-4, GrSa, brn, Moist, Rec. = 1.4 ft | 31-26-20-16 (46) | 4.5 | 20.1 | 65.9 | 14.0 |
| | | A-1-b, GrSa, brn, Moist, Rec. = 1.6 ft | 12-20-26-16 (46) | 2.9 | 31.0 | 63.2 | 5.8 |
| | | A-1-b, GrSa, brn, Moist, Rec. = 1.7 ft | 12-13-14-13 (27) | 3.3 | 20.1 | 73.9 | 6.0 |
| 10 | | A-3, Sa, brn, MTW, Rec. = 1.8 ft | 4-6-8-8 (14) | 13.6 | 5.8 | 87.9 | 6.3 |
| | | A-3, Sa, brn, Wet, Rec. = 0.5 ft Visual Classification, Sa, black, Wet, Rec. = 1.0 ft, Very strong petroleum odor. | 2-3-6-7 (9) | 22.9 | 3.7 | 90.5 | 5.8 |
| | | Not Sampled | | | | | |
| 15 | | A-3, Sa, brn-gry, Wet, Rec. = 2.0 ft | 2-2-2-4 (4) | 23.6 | 0.9 | 88.8 | 10.3 |
| | | Field Note: From 12.0 ft. to 25.0 ft. was flowing sand. The plug for the auger stuck at 20.0 feet. Advanced auger to 25.0 feet. Material density was consistent from 15 ft to 25 ft. | | | | | |
| 25 | | A-4, SaSi, This was a grab sample from auger flight. | | 19.8 | 1.9 | 47.3 | 50.8 |
| | | Hole stopped @ 25.0 ft NLTD | | | | | |

BORING LOG 2 COLCHESTER TCSP TSCE(9).GPJ VERMONT AOT.GDT 8/30/10

Notes:

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