



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

BORING LOG

WESTFIELD  
 ER CULV(40)  
 VT-242 BR-6

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 12C364

Checked By: CCB

Boring Crew: GARROW, DAIGNEAULT, JUDKINS  
 Date Started: 3/29/13 Date Finished: 3/29/13  
 VTSPG NAD83: N 874856.53 ft E 1635936.09 ft  
 Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
 Ground Elevation: \_\_\_\_\_

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 45C SKID C<sub>r</sub> = 1.33

| Groundwater Observations |            |                 |
|--------------------------|------------|-----------------|
| Date                     | Depth (ft) | Notes           |
| 03/29/13                 | 8.0        | While drilling. |
|                          |            |                 |
|                          |            |                 |

| Depth (ft)  | Strata (1) | CLASSIFICATION OF MATERIALS (Description)  | Blows/6" (N Value)      | Moisture Content % | Gravel % | Sand % | Fines % |
|-------------|------------|--|-------------------------|--------------------|----------|--------|---------|
| 0.0 - 0.6   |            | Asphalt Pavement, 0.0 ft - 0.6 ft<br>A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.8 ft   | 15-<br>R@6.0"<br>(R)    | 11.4               | 41.4     | 45.7   | 12.9    |
| 5.0 - 5.3   |            | Field Note:, NXDC, Gravelly Sand<br>A-2-4, SiGrSa, Dk/brn, Moist, Rec. = 0.3 ft  | R@3.5"<br>(R)           | 13.3               | 25.7     | 49.3   | 25.0    |
| 10.0 - 10.9 |            | Field Note:, NXDC, Gravelly Sand<br>A-4, GrSaSi, Dk/brn, Moist, Rec. = 0.9 ft  | 3-7-5-5<br>(12)         | 16.4               | 26.4     | 36.4   | 37.2    |
| 15.0 - 15.8 |            | Field Note:, NXDC, Gravelly Sand<br>A-4, SaSi, Dk/brn, Moist, Rec. = 0.8 ft  | 5-2-2-4<br>(4)          | 21.0               | 19.0     | 36.3   | 44.7    |
| 20.0 - 21.2 |            | Field Note:, NXDC, Gravelly Sand<br>A-1-a, SaGr, brn-gry, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample. | 35-28-<br>21-15<br>(49) | 11.1               | 63.4     | 26.1   | 10.5    |
| 25.0 - 26.5 |            | Field Note:, NXDC, Cobbles<br>A-4, Si, gry, Moist, Rec. = 1.5 ft   | 5-8-11-<br>15<br>(19)   | 24.2               | 1.4      | 5.2    | 93.4    |
| 30.0 - 31.5 |            | Field Note:, NXDC, Gravelly Sand<br>A-2-4, SaSiGr, gry, Moist, Rec. = 1.5 ft   | 25-18-<br>45-R<br>(63)  | 11.1               | 42.9     | 27.0   | 30.1    |
| 35.0        |            | Field Note:, NXDC, Refusal at 35 ft.<br><br>Hole stopped @ 35.0 ft   | R@0.0"                  |                    |          |        |         |
|             |            | Remarks:<br>Hole collapsed at 11.0 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<sub>r</sub> 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 WESTFIELD ER CULV(40).GPJ VERMONT AOT.GDT 5/6/13