



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

BORING LOG

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

Boring No.: B-101  
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 874867.88 ft E 1635922.35 ft  
Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
Ground Elevation: \_\_\_\_\_

Casing: \_\_\_\_\_ Sampler: \_\_\_\_\_  
Type: WB 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 = 1.33

| Groundwater Observations |            |                 |
|--------------------------|------------|-----------------|
| Date                     | Depth (ft) | Notes           |
| 03/29/13                 | 4.4        | While drilling. |
|                          |            |                 |
|                          |            |                 |

| Depth (ft) | Strata (1)                            | CLASSIFICATION OF MATERIALS (Description)  | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|---------------------------------------|--|--------------------|--------------------|----------|--------|---------|
| 0          |                                       | Asphalt Pavement, 0.0 ft - 0.6 ft  | 10-48-R@0.0" (R)   | 9.4                | 50.2     | 37.2   | 12.6    |
| 0.6        |                                       | A-1-b, SaGr, Dk/brn, Moist, Rec. = 1.1 ft  |                    |                    |          |        |         |
| 5          |                                       | Field Note:, NXDC, Cobbles   |                    |                    |          |        |         |
| 5          |                                       | A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.9 ft  | 3-45-R@3.5" (R)    | 9.7                | 48.8     | 37.9   | 13.3    |
| 10         |                                       | Field Note:, NXDC, Gravel  |                    |                    |          |        |         |
| 10         |                                       | Field Note:, One large piece of Broken Rock, gry, Moist, Rec. = 0.1 ft, Rock piece was stuck in sampler. | 7-7-5-5 (12)       |                    |          |        |         |
| 15         |                                       | Field Note:, NXDC, Cobbles   |                    |                    |          |        |         |
| 15         |                                       | A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.7 ft  | 10-5-7-6 (12)      | 10.3               | 51.1     | 38.3   | 10.6    |
| 20         |                                       | Field Note:, NXDC, Cobbles   |                    |                    |          |        |         |
| 20         |                                       | A-1-a, SaGr, gry, Moist, Rec. = 0.9 ft, Lab Note: Sample was mostly Broken Rock.                         | 25-28-23-15 (51)   | 12.1               | 65.1     | 21.3   | 13.6    |
| 25         |                                       | Field Note:, NXDC, Sandy Gravel  |                    |                    |          |        |         |
| 25         |                                       | A-4, Si, Dk/gry, Moist, Rec. = 1.3 ft  | 12-10-13-16 (23)   | 23.0               | 5.8      | 10.8   | 83.4    |
| 27         | Hole stopped @ 27.0 ft                |  |                    |                    |          |        |         |
| 30         | Remarks:<br>Hole collapsed at 6.0 ft. |  |                    |                    |          |        |         |
| 35         |                                       |  |                    |                    |          |        |         |

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 WESTFIELD ER CULV(40).GPJ VERMONT AOT.GDT 5/6/13