



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

BORING LOG

Hartford, VT

191 Bridge 43 N/S

Boring No.: B-216

Page No.: 1 of 1

Pin No.: s12a132

Checked By: ASP

Boring Crew: Drilex/Jason, MJR  
 Date Started: 4/03/14 Date Finished: 4/03/14  
 VTSPG NAD83: N 417592.86 ft E 1683174.45 ft  
 Station: 150+91.87 Offset: 80.60  
 Ground Elevation: 549.35 ft

Casing Sampler  
 Type: Auger/WB SS  
 I.D.: 4.5 in 2 in  
 Hammer Wt: 300 lb. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto  
 Rig: CME 50 CE = 1.33

Groundwater Observations

| Date     | Depth (ft) | Notes                             |
|----------|------------|-----------------------------------|
| 04/03/14 | 0.0        | Due to water used during drilling |

| Depth (ft)             | Strata (i) | CLASSIFICATION OF MATERIALS (Description)  | Run (Dip deg.) | Core Rec. % (RQD %) | Drill Rate minutes/ft | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------------------|------------|--|----------------|---------------------|-----------------------|--------------------|--------------------|----------|--------|---------|
| 2.5                    |            |  |                |                     |                       |                    |                    |          |        |         |
| 5.0                    |            | A-4, SaSiGr, Rec. = 0.83 ft  |                |                     |                       | 9-11-14-14 (25)    | 12.3               | 25.0     | 39.1   | 35.9    |
| 7.5                    |            | Weathered bedrock  |                |                     |                       |                    |                    |          |        |         |
| 10.0                   |            |  |                |                     |                       |                    |                    |          |        |         |
| 12.5                   |            | 11.0 ft - 16.0 ft, Gray-green ANDESITE, hard, 0° and 80° joint sets, slightly weathered, smooth, moderately close, slightly open joints in 9" piece near bottom, smooth; thin foliation. | 1              | 90 (85)             | 2.5                   |                    |                    |          |        |         |
| 15.0                   |            |  |                |                     | 2.3                   |                    |                    |          |        |         |
| 17.5                   |            |  |                |                     | 2.5                   |                    |                    |          |        |         |
| 20.0                   |            |  |                |                     | 2.3                   |                    |                    |          |        |         |
| 22.5                   |            |  |                |                     | 2.8                   |                    |                    |          |        |         |
| Hole stopped @ 16.0 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. CE is the hammer energy correction factor. CE is an estimated value.
3. Water level readings have been made at times and under conditions stated.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.



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