



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

BORING LOG

HALIFAX  
 STP 013-1(19)  
 VT-112 BR- 3&9

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 12B522

Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS

Date Started: 9/09/13 Date Finished: 9/10/13

VTSPG NAD83: N 91265.74 ft E 1572694.14 ft

Station: 23+24 Offset: 16.10

Ground Elevation: 903.91 ft

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<sub>r</sub> = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
09/10/13	12.2	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.41 ft								
2.5		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.0 ft				8-9-8-8 (17)	10.0	38.2	46.8	15.0
5.0		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft				4-5-4-6 (9)	11.7	18.4	63.6	18.0
7.5		A-2-4, GrSa, brn, Moist, Rec. = 0.2 ft				4-4-15-19 (19)	14.1	23.0	60.0	17.0
7.5		Visual Description: GrSiSa with Broken Rock, Dk/brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.				24-9-6-12 (15)	8.1			
10.0		A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.6 ft, Broken Rock was within sample. Cleaned out hole with roller cone.				14-3-11-6 (14)	16.7	53.7	32.2	14.1
12.5		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.6 ft, Broken Rock was within sample.				3-2-3-38 (5)	20.3	40.7	47.4	11.9
13.5		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.5 ft, Broken Rock was within sample.				27-R	28.9	33.0	52.8	14.2
13.5		13.5 ft - 15.0 ft, Light gray, Muscovite-quartz Schist, Moderately hard, Unweathered, Good rock, NXDC, RMR = 79	1 (80)	100 (93)						
15.0		15.0 ft - 20.0 ft, Dark gray, Biotite-muscovite-quartz Schist, Moderately hard, Unweathered, Good rock, BXGDC, RMR = 76	2 (80)	98 (76)	3					
17.5					4					
17.5					4					
20.0					5					
20.0					5					
20.0		Hole stopped @ 20.0 ft								
22.5		Remarks: 1. Hole collapsed at 9.8 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 HALIFAX STP 013-1(19).GPF VERMONT AOT.GDT 11/25/13