



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

BORING LOG

HIGHGATE  
 STP SCR(12)  
 VT-78 BR-10 CULVERT MM2.37

Boring No.: B-102  
 Page No.: 1 of 1  
 Pin No.: 13C134  
 Checked By: CCB

Boring Crew: DAIGNEAULT, HALL, JUDKINS  
 Date Started: 8/09/13 Date Finished: 8/19/13  
 VTSPG NAD83: N 890639.50 ft E 1495793.67 ft  
 Station: 125+49 Offset: -66.00  
 Ground Elevation: 259.09 ft

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 55 TRACK C = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
08/09/13	10.2	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Groundwater Observations					
							Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0-5		A-4, SaSi, brn, Moist, Rec. = 1.6 ft, Grass & Roots were within sample.				WH-1-WH-1 (1)	31.5	0.4	42.4	57.2		
5-10		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft				WH-WH-WH-2 (WH)	31.3	2.9	4.1	93.0	47	26
10-15		A-6, SiCl, gry, Moist, Rec. = 0.9 ft A-1-b, SaSiGr, gry, Moist, Rec. = 0.7 ft, Lab Note: Mostly Broken Rock with Silt.				1-3-27-29 (30)	22.2 8.1	6.9 52.6	13.9 23.7	79.2 23.7	31	15
15-20		A-1-b, SaGr, gry, Moist, Rec. = 0.6 ft, Lab Note: Mostly Broken Rock with Silty Sand				R@8.5"	7.0	64.1	25.8	10.1		
20-21.5		17.5 ft - 21.5 ft, Black, Slate, Moderately soft, Slightly weathered, Poor rock, NXMDC, RMR = 30	1 (20)	93 (0)	5 3 4 5			Top of Bedrock @ 17.5 ft				
Hole stopped @ 21.5 ft												
25-45		Remarks: Hole collapsed at 13.0 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 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 HIGHGATE STP SCR(12).GPJ VERMONT AOT.GDT 9/25/13