



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-101**
Page No.: 1 of 1
Pin No.: 13C134
Checked By: CCB

Boring Crew: DAIGNEAULT, HALL
Date Started: 8/12/13 Date Finished: 8/12/13
VTSPG NAD83: N 890591.03 ft E 1495758.78 ft
Station: 125+38 Offset: -9.00
Ground Elevation: 285.44 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_c = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
08/12/13	26.0	While drilling.

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 %	LL %	PI %
0.0 - 1.0		Asphalt Pavement, 0.0 ft - 1.0 ft										
1.0 - 10.0		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft				12-12-11-10 (23)	11.3	2.6	73.4	24.0		
10.0 - 20.0		A-4, SiSa, brn, Moist, Rec. = 1.0 ft				5-5-6-6 (11)	14.9	8.2	56.2	35.6		
20.0 - 30.0		Field Note: No Recovery				7-8-6-5 (14)						
30.0 - 40.0		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft				7-12-9-6 (21)	17.4	2.9	63.8	33.3		
40.0 - 48.0		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft				8-7-9-5 (16)	16.7	6.0	77.8	16.2		
48.0 - 50.0		A-6, SiCl, gry, Moist, Rec. = 0.9 ft, Decayed Wood was within sample.				1-1-2-13 (3)	26.0	0.3	15.7	84.0	29	14
50.0 - 55.0		Visual Description: Wood, brn, Moist, Rec. = 0.5 ft, (Possible Log Mat)										
55.0 - 60.0		Field Note: No Recovery				4-7-6-4 (13)						
60.0 - 65.0		Visual Description: Broken Rock with Silt, blk, Moist, Rec. = 0.2 ft				R@9.5"						
65.0 - 70.0		38.0 ft - 43.0 ft, Laminated black, Slate, and meta-greywacke. Moderately soft to moderately hard, Slightly weathered, Poor rock, NXMDC, Drillers report numerous thin drilling breaks throughout run. May be Boulders. RMR = 30	1 (0)	34 (8)	2							
70.0 - 75.0		43.0 ft - 48.0 ft, Black, Slate, and meta-greywacke. Moderately soft to moderately hard, Slightly weathered, Poor rock, NXMDC, Drillers report numerous thin drilling breaks throughout run. May be Boulders. RMR = 30	2 (0)	36 (0)	2							
75.0 - 80.0					2							
80.0 - 85.0					2							
85.0 - 90.0					2							
90.0 - 95.0					3							
95.0 - 100.0		Hole stopped @ 48.0 ft										
100.0 - 105.0		Remarks: Hole collapsed at 36.0 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_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