



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

BORING LOG
SOUTH BURLINGTON
STP SCR(8)
VT-116 MM 3.48

Boring No.: **B-107**
 Page No.: **1 of 1**
 Pin No.: **11B220**
 Checked By: **CEE**

Boring Crew: GARROW, DAIGNEAULT
 Date Started: 3/12/13 Date Finished: 3/12/13
 VTSPG NAD83: N 713744.33 ft E 1465907.34 ft
 Station: 183+48 Offset: -8.20
 Ground Elevation: 295.12 ft

Casing Type: 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
		Collapsed at 12.9'
03/12/13	8.8	Casing removed.

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 - 0.75 ft								
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft				15-15-13-8 (28)	9.9	23.1	55.6	21.3
		Field Note:, No Recovery				4-5-5-4 (10)				
5		A-4, SaSi, brn, Moist, Rec. = 0.4 ft				WH-WH-2-2 (2)	22.7	5.4	46.9	47.7
		A-1-b, SiSaGr, brn-white, Moist, Rec. = 0.8 ft, Lots of Broken Rock was within sample.				22-9-6-6 (15)	14.9	47.0	27.7	25.3
10		Field Note:, NXDC, Boulder								
		A-4, SaSi, brn, Moist, Rec. = 1.0 ft				3-6-6-15 (12)	16.2	13.7	33.2	53.1
15		A-2-4, SiSaGr with Broken Rock, brn-white, Moist, Rec. = 0.1 ft				R@1.0"	9.3	34.6	33.2	32.2
		16.0 ft - 18.0 ft, NXDC, Top of Weathered Bedrock.								Top of Bedrock @ 16.0 ft
		18.0 ft - 23.0 ft, White, Calcite Marble, Hard, Unweathered, Good rock, NXMDC, Slight weathering along joint surface at 20.6 feet. RMR = 72	1 (20)	100 (56)	5					
20					5					
					5					
					5					
					5					
25		Hole stopped @ 23.0 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 SOUTH BURLINGTON STP SCR(8).GPJ VERMONT AOT.GDT 6/19/13