



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

BORING LOG

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

Boring No.: B-108
 Page No.: 1 of 1
 Pin No.: 11B220
 Checked By: CEE

Boring Crew: GARROW, DAIGNEAULT
 Date Started: 3/11/13 Date Finished: 3/11/13
 VTSPG NAD83: N 713754.12 ft E 1465922.02 ft
 Station: 183+42 Offset: 8.40
 Ground Elevation: 294.87 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 C₁ = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
03/11/13	7.6	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 %	LL %	PI %
0.0 - 0.8		Asphalt Pavement, 0.0 ft - 0.8 ft										
0.8 - 1.0		A-2-4, GrSa, brn, Moist, Rec. = 1.0 ft				10-11-11-8 (22)	13.1	21.9	58.8	19.3		
1.0 - 1.2		A-4, GrSiSa, brn, Moist, Rec. = 1.0 ft				3-6-4-4 (10)	15.2	21.8	41.3	36.9		
1.2 - 1.5		A-4, SaSi, brn, Moist, Rec. = 1.0 ft, Lab Note: A small layer of clay was noticeable.				1-3-4-4 (7)	22.3	5.9	31.3	62.8		
1.5 - 2.7		A-4, ClSi, brn, Moist, Rec. = 1.2 ft				5-4-5-5 (9)	21.3	18.5	27.7	53.8	29	8
2.7 - 3.7		A-2-4, SiSaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: A small layer of clay was noticeable.				WH-3-6-17 (9)	13.2	38.7	33.7	27.6		
3.7 - 5.2		A-2-4, GrSiSa, brn, Moist, Rec. = 1.5 ft				17-31-36-30 (67)	11.6	29.8	37.4	32.8		
5.2 - 6.7		A-2-4, SaSiGr, brn-white, Moist, Rec. = 1.5 ft, Lots of Broken Rock was within sample.				31-35-R@6.0" (R)	10.6	39.1	29.4	31.5		
6.7 - 16.0		A-4, GrSaSi, brn-white, Moist, Rec. = 0.5 ft, Lots of Broken Rock was within sample.				R@6.0"	10.3	29.0	33.5	37.5		
16.0 - 17.0		16.0 ft - 17.0 ft, NXDC, Top of Weathered Bedrock.										
17.0 - 22.0		17.0 ft - 22.0 ft, White, Calcite Marble, Hard, Good rock, NXMDC, Slightly weathered from 18.7'-19.5'. Remainder of run unweathered. RMR = 67	1 (40)	80 (46)	6							
22.0 - 25.0		Hole stopped @ 22.0 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(P)8.GPJ VERMONT AOT.GDT 6/19/13