



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

BORING LOG

SOUTH HERO
STP HES 028-1(22)
US-2 & VT-314 ROADWAY

Boring No.: **B-152**
 Page No.: **1 of 1**
 Pin No.: **12B016**
 Checked By: **MLM**

Boring Crew: GARROW, DAIGNEAULT, JUDKINS
 Date Started: 7/12/13 Date Finished: 7/16/13
 VTSPG NAD83: N 790026.20 ft E 1426440.50 ft
 Station: 60+93 Offset: -38.00
 Ground Elevation: 123.22 ft

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 45C SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes

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 %
0-0.4		Visual Description:, Topsoil with Gr Sa, Dk/brn, Moist, Rec. = 0.4 ft				1-2-2-3 (4)	24.4					
0.4-0.7		A-4, SiSa, brn, Wet, Rec. = 0.7 ft				3-3-3-5 (6)	38.5	17.2	41.4	41.4		
0.7-1.1		A-7-6, Cl, Lt/brn, Moist, Rec. = 0.4 ft				3-6-7-10 (13)	28.7	0.2	5.4	94.4	48	25
1.1-2.9		Visual Description:, Cl, gry-brn, Rec. = 1.8 ft, Material similar as 10-12 ft.				2-4-7-10 (11)	31.4					
2.9-4.4		Field Note:, Cl Shelby Tube, gry-brn, Moist, Rec. = 1.5 ft										
4.4-6.4		A-7-6, Cl, gry-brn, Moist, Rec. = 2.0 ft				2-3-4-5 (7)	35.2	1.7	6.6	91.7	47	26
6.4-8.4		A-7-6, Cl, gry-brn, Moist, Rec. = 2.0 ft, Shelby Tube sample.					29.3	0.2	12.1	87.7	41	21
8.4-10.4		A-7-6, Cl, gry-brn, Moist, Rec. = 2.0 ft					32.3	3.3	17.0	79.7	47	26
10.4-21.8		A-4, SaSi, gry, Moist, Rec. = 1.1 ft				2-7-6-R (13)	11.1	19.8	26.9	53.3	18	6
21.8-26.8		21.8 ft - 26.8 ft, Dark gray, Calcareous Shale, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 71	1 (45)	92 (86)	7			Top of Bedrock @ 21.8 ft				
26.8		Hole stopped @ 26.8 ft			7							
26.8		Remarks: 1. Hole collapsed at 25.1 ft.			6							
26.8					4							
26.8					4							

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 HERO STP HES 028-1(22).GPJ VERMONT AOT.GDT 8/12/13