



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-161b**  
 Page No.: 1 of 1  
 Pin No.: 12B016  
 Checked By: MLM

Boring Crew: DAIGNEAULT, HALL  
 Date Started: 6/14/13 Date Finished: 6/17/13  
 VTSPG NAD83: N 789746.70 ft E 1426411.20 ft  
 Station: 63+74 Offset: 18.00  
 Ground Elevation: 121.5 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 45C SKID C<sub>c</sub> = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
06/17/13	0.0	AM, In casing.
06/17/13	14.2	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Field Note:, Cleaned out with roller cone to 6.0 feet							
5		A-1-b, SiSaGr, blk, Moist, Rec. = 0.4 ft, Broken Rock was within sample.	5-3-3-3 (6)	11.1	56.6	22.2	21.2		
		A-1-b, SiSaGr, blk, Moist, Rec. = 0.3 ft	2-2-1-2 (3)	14.5	50.7	25.7	23.6		
10		A-7-6, Cl, brn, Moist, Rec. = 1.0 ft	2-5-2-3 (7)	34.5	14.5	19.0	66.5	45	24
		Field Note:, No Recovery	2-3-5-5 (8)						
15		A-6, Cl, gry, Moist, Rec. = 2.0 ft	WH-WH-1-2 (1)	30.0	1.2	9.2	89.6	39	20
		Shelby Tube, Rec. = 1.7 ft, 17.0 ft - 19.0 ft							
20		A-4, SaCISi with sand, gry, Moist, Sample taken off Vane.		14.7	18.4	27.7	53.9	22	9
25		A-4, GrSaSi, gry, Moist, Rec. = 0.4 ft	2-6-6-7 (12)	12.5	29.4	32.1	38.5	18	6
		Hole stopped @ 27.0 ft NLTD							
30		Remarks: 1. Hole collapsed at 14.5 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<sub>c</sub> 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