



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

BORING LOG

**WILLISTON**  
**STP-HES 5500(12)**  
**VT-2A ROADWAY**

Boring No.: **B-102**

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Pin No.: 12D196

Checked By: MLM

Boring Crew: DAIGNEAULT, HALL  
 Date Started: 9/04/13 Date Finished: 9/04/13  
 VTSPG NAD83: N 720677.02 ft E 1480342.49 ft  
 Station: 98+91.32 Offset: 30.20  
 Ground Elevation: 355.22 ft

Type: \_\_\_\_\_  
 I.D.: \_\_\_\_\_  
 Hammer Wt: \_\_\_\_\_  
 Hammer Fall: \_\_\_\_\_  
 Hammer/Rod Type: \_\_\_\_\_  
 Rig: CME 45C TRACK C<sub>c</sub> = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
09/04/13	1.6	While drilling.
09/04/13	0.0	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-6, SiCl, brn, Moist, Rec. = 1.1 ft	WH-WH-2-2 (2)	20.8	4.0	31.7	64.3	34	15
		A-2-4, SiSa, brn, Wet, Rec. = 0.4 ft	4-4-7-12 (11)	31.7	5.3	70.8	23.9	43	21
		A-7-6, Cl, brn, Moist, Rec. = 1.6 ft							
5		A-7-6, Cl, brn, Moist, Rec. = 1.8 ft	1-7-8-10 (15)	26.2	0.9	7.2	91.9	44	21
		A-7-6, Cl, brn, Moist, Rec. = 1.8 ft	2-8-9-12 (17)	24.8	2.2	6.0	91.8	48	26
		A-7-6, Cl, gry, Moist, Rec. = 1.9 ft	1-3-4-3 (7)	33.1	0.8	1.3	97.9	49	26
10		GrCl, gry, Moist, Rec. = 0.9 ft, 10.0 ft - 10.9 ft, Shelby Tube							
		Field Note:, Clean out with Roller Cone							
15		Field Note:, Till, HP. No Recovery	31-32-30-R@1.0" (62)						
		Field Note:, Clean out with Roller Cone							
20		Field Note:, Till, HP. No Recovery	R@5.0" (R)						
25		A-4, GrSaSi, gry, Moist, Rec. = 0.7 ft, R@25.9 ft.	(R)	9.0	21.1	29.1	49.8		
		Hole stopped @ 25.9 ft							
		Remarks: 1. Hole collapsed at 20.2 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 WILLISTON STP HES5500(12).GPJ VERMONT AOT.GDT 10/29/13