



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

BORING LOG

WATERBURY
 FECC F013-4(13)
 US-2 ROADWAY

Boring No.: **B-114**

Page No.: 1 of 1

Pin No.: 85B006

Checked By: CEE

Boring Crew: GARROW, JUDKINS
 Date Started: 8/28/13 Date Finished: 8/28/13
 VTSPG NAD83: N 669934.32 ft E 1573321.14 ft
 Station: 50+45.5 Offset: 19.80
 Ground Elevation: 440.52 ft

Type: H.S.A. SS
 I.D.: 4.25 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_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.37		Concrete, 0.0 ft - 0.37 ft							
0.37 - 0.67		A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft	WH-WH-WH-2 (WH)	16.1	8.6	70.9	20.5		
0.67 - 0.97		A-4, SaSi, brn, Moist, Rec. = 0.3 ft	2-4-5-5 (9)	24.0	6.5	38.0	55.5		
0.97 - 2.57		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	2-4-2-3 (6)	12.1	0.7	69.2	30.1		
2.57 - 4.17		A-3, Sa, brn, Moist, Rec. = 1.6 ft	4-4-4-4 (8)	5.1	1.0	92.1	6.9		
4.17 - 5.77		A-2-4, SiSa, brn, Moist, Rec. = 1.7 ft	3-7-11-29 (18)	14.8	0.7	73.0	26.3		
5.77 - 6.47		A-2-4, SiSa, brn, Moist, Rec. = 0.6 ft	2-4-4-10 (8)	12.5	0.6	74.0	25.4		
6.47 - 7.17		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample.	3-3-2-3 (5)	18.5	16.6	69.5	13.9		
7.17 - 8.37		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft, Broken Rock was within sample.	1-4-4-7 (8)	3.6	63.3	30.6	6.1		
8.37 - 8.77		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft	3-3-2-3 (5)	4.5	52.0	32.9	15.1	41	14
8.77 - 10.37		A-7-6, SiCl, brn, Moist, Rec. = 1.2 ft		37.4	1.4	98.6			
10.37 - 11.97		A-6, SiCl, gry, MTW, Rec. = 1.6 ft		38.8	6.3	9.7	84.0	40	16
11.97 - 13.57		A-6, GrSiCl, gry, MTW		24.5	43.3	7.8	48.9	39	15
13.57 - 14.17		A-6, SiCl, gry, MTW, Rec. = 0.5 ft	1-4-4-7 (8)	29.9	11.9	7.3	80.8	37	12
14.17 - 15.17		A-4, Si, gry, MTW, Rec. = 1.0 ft		22.5		18.2	81.8		
15.17 - 26.17									
26.17 - 27.17		A-4, Si, gry, Wet, Rec. = 1.0 ft	WH-2-2-4 (4)	31.7		1.3	98.7		
27.17 - 30.17		Hole stopped @ 27.0 ft							
30.17 - 33.17		Remarks: 1. Hole collapsed at 7.0 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_r 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 WATERBURY FECC F013-4(13).GPJ VERMONT AOT.GDT 10/24/13