



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

BORING LOG

SWANTON
 NH 036-1(9)
 VT-78 ROADWAY

Boring No.: **B-104**

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Pin No.: 96B032

Checked By: CEE

Boring Crew: GARROW, NIETO
 Date Started: 3/11/14 Date Finished: 3/11/14
 VTSPG NAD83: N 901339.48 ft E 1463305.42 ft
 Station: 1168+45 Offset: 24.00
 Ground Elevation: 99.4 ft

Casing Sampler
 Type: H.S.A. SS & TUBE
 I.D.: 3.25 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C TRACK $C_r = 1.34$

Groundwater Observations

Date	Depth (ft)	Notes
03/11/14	4.3	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
5		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Sticks & grass were within sample.	1-1-1-1 (2)	22.7	42.1	41.0	16.9			
		A-7-5, CI, Lt/brn, MTW, Rec. = 0.6 ft, Sample tested: Trace of Organics (6.2%)	WH-WH-1-2 (1)	58.0	0.6	2.9	96.5	62	25	
		A-7-5, CI, brn, MTW, Rec. = 2.0 ft, Sample tested: Trace of Organics (6.0%)		50.5		2.2	97.8	61	25	
	10		A-7-6, CI, Lt/brn, MTW, Rec. = 0.5 ft, Sample tested: Trace of Organics (5.5%)	1-2-4-9 (6)	44.2	0.3	3.0	96.7	54	24
			A-6, SiCl, gry-Lt/brn, MTW, Rec. = 1.5 ft, Sample tested: Trace of Organics (1.2%)		28.4	0.8	16.3	82.9	30	12
		A-2-4, SiGrSa, gry, MTW, Rec. = 1.3 ft	7-13-13-15 (26)	9.5	34.4	38.8	26.8			
15		A-1-b, SiSaGr, gry, MTW, Rec. = 1.1 ft	5-13-12-10 (25)	9.1	39.3	35.7	25.0			
		A-2-4, SaSiGr, gry, MTW, Rec. = 1.6 ft		2-25-24-33 (49)	7.8	42.7	27.3	30.0		
		A-4, GrSaSi, gry, MTW, Rec. = 0.8 ft, Augers could not penetrate further. To ledge or boulder.	30-R@3.5" (R)	8.2	28.4	32.6	39.0			
20		Hole stopped @ 18.8 ft CNPF-TLOB								

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 SWANTON NH 036-1(9).GPJ VERMONT AOT.GDT 8/4/14