



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

**Williston-Essex
STP SGNL(46)
VT 2A**

Boring No.: B-106
Page No.: 1 of 1
Pin No.: 15t017
Checked By: ZMH

Boring Crew: JUDKINS, GARROW
Date Started: 4/12/16 Date Finished: 4/12/16
VTSPG NAD83: N 732205.78 ft E 1487101.32 ft
Station: 203+83.90 Offset: 33.90
Ground Elevation: 499.7 ft

Casing: WB Sampler: SS
Type: WB 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 TRACK CE = 1.41

Groundwater Observations

Date	Depth (ft)	Notes
04/12/16	14.2	W.T. after drilling

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 %
0.0 - 0.6		Concrete, 0.0 ft - 0.6 ft								
5		A-1-a, SaGr, gry, Moist, Lab Note: Broken rock was within sample.				5-9-14-19 (23)	3.5	63.5	26.2	10.3
		A-2-4, Sa, brn, Moist Field Note:, Cleaned out casing				15-16-12-14 (28)	8.5	1.3	87.2	11.5
		A-1-b, SaGr, gry, Moist, Lab Note: Broken rock and a very small amount of clay was within sample. The Sample tested non-plastic. Field Note:, Cleaned out casing				16-12-11-12 (23)	11.3	55.3	26.5	18.2
		A-2-4, SaSiGr, gry, Moist, Lab Note: Some clay was within sample. Sample tested non plastic. Field Note:, Cleaned out casing				11-10-5-7 (15)	13.8	41.5	24.3	34.2
10		A-2-4, SiGrSa, brn, Moist, Lab Note: Sticks and twigs and some clay was within sample. Sample tested non-plastic. Field Note:, Cleaned out casing				9-8-6-11 (14)	17.5	33.6	34.0	32.4
		A-4, GrSaSi, brn, Moist, Lab Note: Some clay was within sample. Sample tested non-plastic.				5-5-6-7 (11)	14.6	27.1	30.9	42.0
		Field Note:, Cleaned out casing				20-20-R @ 3.5" (R)				
15		A-1-a, SaGr, brn-gry, Moist, Lab Note: Broken rock was within sample.					9.1	63.3	22.7	14.0
20		17.0 ft - 22.0 ft, Light gray to green, Phyllite, with quartz veins. Rust staining on joints and few slickensides. Moderately hard, Very slightly weathered, Poor rock, NX, RMR=25	1 (45)	100 (0)	5					
					2					
					4					
					4					
					6					
25		22.0 ft - 27.0 ft, Light gray to green, Phyllite, with quartz veins and rare pyrite. Faint rust and orange staining along joints. Moderately hard, Unweathered, Fair rock, NX, RMR=49	2 (40)	100 (64)	5					
					7					
					8					
					7					
					6					
30		Hole stopped @ 27.0 ft								
		Remarks: Hole collapsed @ 14.1. 1.)Moved boring due to underground utilities. Offset 36.0								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
<<SUB>><<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.

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