



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

BORING LOG

**Sudbury
STP SCRP(19)
VT-30**

Boring No.: **B-101**

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Pin No.: 16d032

Checked By: **END**

Boring Crew: Gomes, Judkins, Emerson
 Date Started: 9/07/16 Date Finished: 9/07/16
 VTSPG NAD83: N 459231.13 ft E 1457076.60 ft
 Station: 31+82.2 Offset: -9.46
 Ground Elevation: 490.4 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 CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
09/07/16	3.4	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.88 ft					
5		A-1-b, GrSa, brn-blk, Moist, Rec. = 1.0 ft	6-9-10-10 (19)	10.7	41.2	44.3	14.5
		A-1-b, GrSa, brn-blk, Moist, Rec. = 1.1 ft, Lab Note: A lot of broken rock was within sample Field Note: NXDC, Cleaned out casing	8-22-11-5 (33)	10.7	42.3	44.8	12.9
		A-1-a, SaGr, blk, Moist, Rec. = 0.1 ft, Lab Note: Decomposing wood was within sample Field Note: NXDC, Cleaned out casing	5-3-2-1 (5)	47.0	60.6	29.5	9.9
		Field Note: No Recovery	2-2-2-2 (4)				
10		Field Note: Rollercone, Cleaned out casing Field Note: No Recovery	1-2-2-3 (4)				
		Field Note: No Recovery	1-2-2-1 (4)				
		A-2-4, Sa, gry, Moist, Rec. = 1.2 ft	1-1-1-WH (2)	24.7	7.0	80.2	12.8
15		A-2-4, SiSa, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic	1-WH-1-WH (1)	35.4	3.4	67.2	29.4
20		A-4, GrSaSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Some clay was within sample. Sample tested non-plastic	3-4-11-5 (15)	27.8	20.2	21.4	58.4
25		A-4, SiSa, gry, Moist, Rec. = 0.3 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic	5-3-3-5 (6)	13.2	14.1	49.1	36.8
30		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample. Sample tested non-plastic	6-4-3-9 (7)	11.1	11.1	24.0	64.9
		Hole stopped @ 32.0 ft					
35		Remarks: Hole collapsed at 17.5 feet.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. <<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.