



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

BORING LOG

**Granville
 STP SCRP(13)
 VT 100 Culvert**

Boring No.: **B-101**

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Pin No.: 16d009

Checked By: ZMH

Boring Crew: Emerson, Judkins, Nieto

Date Started: 8/18/16 Date Finished: 8/19/16

VTSPG NAD83: N 561444.57 ft E 1552978.41 ft

Station: 400+77 Offset: 14.10

Ground Elevation: 1383.0 ft

Type:	Casing	Sampler
I.D.:	WB	SS
Hammer Wt:	3 in	1.5 in
Hammer Fall:	N.A.	140 lb.
Hammer/Rod Type:	N.A.	30 in.
Rig:	Auto/AWJ	
	CME 45C SKID	C _r = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
08/19/16	12.1	W.T. after drilling
08/19/16	N/A	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.45 ft					
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft	5-6-6 (12)	9.1	45.9	41.9	12.2
		A-1-b, SaGr, Dk/gry-brn, Moist, Rec. = 1.0 ft	1-3-5-6 (8)	11.3	44.5	36.1	19.4
5		A-1-b, SaGr, brn, Moist, Rec. = 1.3 ft	4-6-6-8 (12)	9.8	46.4	41.9	11.7
		A-1-b, GrSa, gry, Moist, Rec. = 1.5 ft, Lab Notes: Pieces of wood were within sample.	6-1-2-3 (3)	33.9	37.0	45.7	17.3
		Field Note: BXDC, Cleaned out casing					
		A-1-b, GrSa, gry, Moist, Rec. = 0.4 ft	5-6-10-29 (16)	14.5	40.0	44.7	15.3
10		A-1-b, GrSa, blk-Dk/brn, Moist, Rec. = 0.7 ft		17.8	36.9	45.7	17.4
		A-1-b, GrSa, blk-Dk/brn, Moist, Rec. = 1.6 ft	24-27-20-14 (47)	15.2	42.8	43.2	14.0
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft	10-7-9-10 (16)	12.6	46.1	38.9	15.0
15		A-3, GrSa, brn, Moist, Rec. = 1.6 ft	8-5-5-10 (10)	18.9	26.5	63.0	10.5
		Field Note: BXDC, Cleaned out casing					
20		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft	9-13-16-13 (29)	11.1	56.6	30.2	13.2
		Field Note: BXDC, Cleaned out casing					
25		Field Note: No Recovery	5-12-10-9 (22)				
		Hole stopped @ 27.0 ft					
30		Remarks: Hole collapsed at 12.3 feet.					

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.