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

BORING LOG

BRADFORD-RYEGATE
STP 2929(1)
US-5

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 10c264
Checked By: MLM

Boring Crew: GARROW, NIETO
Date Started: 11/09/15 Date Finished: 11/09/15
VTSPG NAD83: N 604380.63 ft E 1759573.39 ft
Station: 515+12.6 Offset: 10.30
Ground Elevation: 456.0 ft

	Casing	Sampler
Type:	WB	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	C_e = Unknown

Groundwater Observations

Date	Depth (ft)	Notes
11/09/15	12.2	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 %
		Field Note:, No Recovery				R@5" (R)				
		Field Note:, Cleaned out with NXDC								
		A-2-4, SiGrSa, brn-blk, Moist, Rec. = 1.0 ft				1-3-5-7 (8)	17.3	28.3	43.7	28.0
5		A-4, SiSa, brn, Moist, Rec. = 1.1 ft				5-7-5-3 (12)	16.7	11.7	49.4	38.9
		A-4, SiSa, brn, Moist, Rec. = 0.8 ft				5-8-7-5 (15)	20.0	14.9	43.2	41.9
10		A-2-4, SiGrSa, gry-orange, Moist, Rec. = 1.1 ft, Lab Note: Sample was brown and gray in mixed layers.				2-4-6-5 (10)	16.4	28.6	49.4	22.0
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken rock and pieces of wood were within sample.				3-4-8-4 (12)	16.5	41.8	47.1	11.1
		A-2-4, Sa, gry, Moist, Rec. = 0.9 ft				5-3-2-2 (5)	22.8	1.0	83.5	15.5
15		Field Note:, No Recovery				4-8-12-12 (20)				
20		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.1 ft				6-5-6-6 (11)	24.0	1.5	84.9	13.6
25		A-2-4, SiSa, Lt/brn, Moist, Rec. = 1.1 ft				2-3-4-5 (7)	24.8	0.9	68.3	30.8
30		Field Note:, No Recovery, Cleaned out with NXDC				R@1"				
		30.6 ft - 35.6 ft, Light gray to light green, SCHIST, with few quartz veins and rare pyrite. Faint brown staining on joints. Hard, Very slightly weathered, Good rock, NX, RMR=68	1 (70-75)	90 (78)	5 5 5 4 5	Top of Bedrock @ 30.6 ft				
35		Hole stopped @ 35.6 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_e 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.