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

BORING LOG

Plymouth
BF 013-3(13)
VT-100 Culv. 115

Boring No.: **B-105**
Page No.: 1 of 1
Pin No.: 12b596
Checked By: END

Boring Crew: Emerson, Judkins, Gomes
Date Started: 10/18/16 Date Finished: 10/19/16
VTSPG NAD83: N 394422.55 ft E 1571981.50 ft
Station: 507+83 Offset: -24.30
Ground Elevation: 1252.6 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	3 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto/AWJ
Rig:	Diedrich 25	C_E = Unkown

Groundwater Observations

Date	Depth (ft)	Notes
10/19/16		No W.T. observed

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 %
		A-1-b, SaGr, brn, Dry, Rec. = 0.7 ft, Lab Note: Plant material was within sample				3-3-5-8 (8)	6.4	53.7	34.6	11.7
		A-1-b, GrSa, brn, Dry, Rec. = 1.0 ft				4-3-4-7 (7)	7.1	41.2	44.5	14.3
5		A-1-b, GrSa, brn, Dry, Rec. = 1.5 ft				9-9-7-7 (16)	5.8	28.2	53.0	18.8
		A-1-b, GrSa, brn, Dry, Rec. = 1.6 ft				6-7-5-7 (12)	6.3	32.5	47.9	19.6
		A-2-4, SiSa, brn, Dry, Rec. = 0.6 ft				7-7-6-6 (13)	8.3	17.9	56.3	25.8
10		Field Note:, No Recovery				6-9-9-7 (18)				
		Field Note:, BXDC, cleaned out casing								
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft				5-3-3-5 (6)	13.4	42.8	39.8	17.4
		Field Note:, Rollercone, cleaned out casing								
		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.9 ft, Lab Note: Sample was rust colored				8-8-19-R@2.5" (27)	12.2	43.0	37.7	19.3
15		Field Note:, BXDC, cleaned out casing				35-R@3.5" (R)	13.5	39.9	36.5	23.6
		A-1-b, SiSaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock and a lot of weathered rock was within sample. Sample was rust colored	1 (40-50)	55 (0)	4					
		16.8 ft - 20.8 ft, Silvery-gray to light gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic laminae and rare magnetite. Brown staining along joints. Moderately hard, Unweathered, Fair rock, BX, RMR=44 Low RQD could be due to mechanical breakage			3 4 6					
20		20.8 ft - 25.8 ft, Silvery-gray to light gray, Carbonaceous muscovite-biotite-quartz PHYLLITE, with dolomitic lenses/laminae and rare magnetite. Faint rust staining along joints. Moderately hard, Unweathered, Fair rock, BX, RMR=49	2 (30)	80 (42)	3 3 4 4 4					
25		Hole stopped @ 25.8 ft								
		Remarks: Hole collapsed at 12.5 feet.								
30		1. Top of Bedrock 16.8 feet.								

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.