STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Huntington BRO 1445(35)

Boring No.: B-1
Page No.: 1 of 1
Pin No.: 12j162
Checked By: ASP

Boring Crew: New Hampshire Boring, Derry, NH, CBR
Date Started: 11/14/13 Date Finished: 11/15/13
VTSPG NAD83: N 1527538.13 ft E 655450.20 ft
Station: 4+01.50 Offset: 11.25R
Ground Elevation: 1086.0 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	4.25 in	1.38 in
Hammer Wt:	N.A.	N.A.
Hammer Fall:	N.A.	N.A.
Hammer/Rod Type:		Manual
Rig:	CME 45C SKID	CE = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
11/14/13	7.5	WS
11/15/13	8.0	ACR
11/15/13	8.3	BCR

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Rec. = 0.5 ft, 0.0 ft – 0.33 ft, 4-inches topsoil			2-3-6-7 (9)	12.3	34.1	41.2	24.7
		A-1-b, SaGrSi, brn, Moist, FILL							
		A-2-4, GrSiSa, brn, Moist Rec. = 0.5 ft			4-3-4-5 (7)	7.4	48.4	24.8	26.8
5		A-4, SiSaGr, brn, Wet, Rec. = 0.75 ft			3-3-16-15 (19)	40.6	28.5	31.4	40.1
		A-2-4, SaGrSi, red-brn, with organics from 6-8 feet Rec. = 1.16 ft			15-16-8-28 (24)	31.8	29.4	42.4	28.2
		A-2-4, SaSiGr, brn-gry, Rec. = 0.5 ft			5-9-12-20 (21)	11.5	30.8	36.7	32.5
10		A-1-b, GrSaSi, gry-brn, Rec. = 0.75 ft			25-50/3" (50+)	10.8	43.2	34.3	22.5
		A-1-b, GrSaSi, brn, Weathered bedrock				7.7	62.0	22.4	15.6
		10.75 ft – 12.0 ft, Weathered bedrock							
		12.0 ft – 17.0 ft, Bedrock. Gray, greenish gray muscovite-quartz SCHIST, magnetite rich zone at 14.5'. moderately hard, moderately weathered from 15' to 16', remainder of run unweathered	1	90 (51.9)	Top of Bedrock @ 12.0 ft				
15									
		17.0 ft – 22.0 ft, Bedrock. Gray, greenish gray muscovite-quartz SCHIST, moderately hard, unweathered	2	100 (78.3)					
20									
		Hole stopped @ 22.0 ft							
25		Remarks: Elevations are approximate.							
30									

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.