



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

BORING LOG

MARLBORO
BRF 010-1 (43)

Boring No.: B-101

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Pin No.:

Checked By: LJD

Boring Crew: Geosearch, Inc. Fitchburg, MA, JE
Date Started: 7/30/12 Date Finished: 7/31/12
VTSPG NAD83: N 137719.00 ft E 1588828.00 ft
Station: 3+60 Offset: 9 RT
Ground Elevation: 1,299.0 ft. (approx)

Type: HW SS
I.D.: 4 in 1.38 in
Hammer Wt: 300 140 lb.
Hammer Fall: 24 30 in.
Hammer/Rod Type: Auto/N
Rig: CME 55 CE = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
07/30/12	9.5	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Bituminous concrete, 0.0 ft - 0.5 ft							
	x x x	A-1-a, GrSaSi, gray, Rec. = 1.2 ft, (Fill)			11-17-18 (35)	1.0	54.2	33.7	12.1
	x x x	A-1-b, GrSaSi, gry-brn, Rec. = 1.3 ft, (Fill)			11-14-12-12 (26)	5.0	44.7	42.9	12.4
	x x x	A-1-b, SaGrSi, gry-brn, Rec. = 1.0 ft, (Fill)			23-14-11-8 (25)	9.2	40.9	43.2	15.9
5		A-4, SaSiGr, brn Rec. = 1.7 ft			5-11-13-11 (24)	31.6	14.2	44.5	41.3
		A-1-a, GrSaSi, brn				9.1	55.8	34.6	9.6
		A-1-a, GrSaSi, brn, Rec. = 1.5 ft			8-16-19-23 (35)	8.3	63.0	27.5	9.5
10		A-1-b, GrSaSi, brn, Rec. = 1.3 ft			20-26-29-46 (55)	6.9	53.3	31.6	15.1
		12.0 ft - 14.0 ft, Highly weathered bedrock Rec = 0.3 ft			62/6" (62+)				
15		14.0 ft - 17.5 ft, NXDC, Hard, fresh, dark gray, medium grained QUARTZITE, primary joints low angle, closely spaced (possible boulder).	1 (10-30)	88 (15.5)					
		17.5 ft - 19.0 ft, Hard, fresh light gray, fine grained, QUARTZITE, primary joints low angle, moderately spaced.							
20		19.0 ft - 24.0 ft, NXDC, Hard, fresh light gray, fine grained, QUARTZITE, primary joints low angle, widely spaced.	2 (10-30)	97 (76)					
25		24.0 ft - 29.0 ft, NXDC, Hard, fresh light gray, fine grained, QUARTZITE, primary joints low angle, widely spaced. Qu = 9,390 psi (24.4 ft) Qu = 8,950 psi (24.7 ft)	3 (10-30)	95 (95)					
Hole stopped @ 29.0 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. CE is the hammer energy correction factor.
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.

BORING LOG J1125130.GPJ VERMONT AOT.GDT 10/25/12