



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

BORING LOG

MARLBORO
BRF 010-1 (43)

Boring No.: B-102

Page No.: 1 of 1

Pin No.:

Checked By: LJD

Boring Crew: Geosearch, Inc. Fitchburg, MA, JE
 Date Started: 8/01/12 Date Finished: 8/01/12
 VTSPG NAD83: N 137775.00 ft E 1588854.00 ft
 Station: 4+35 Offset: 10 LT
 Ground Elevation: 1,298.5 ft. (approx)

Casing: HW
 Sampler: SS
 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
08/01/12	8.5	

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	Gravel base, 0.5 ft - 1.0 ft							
	x x x	A-1-a, GrSaSi, gry-brn, Rec. = 1.5 ft, (Fill)			6-11-13-21 (24)	2.3	57.4	31.6	11.0
	x x x								
5	x x x	A-1-b, GrSaSi, gry-brn, Rec. = 1.7 ft, (Fill)			5-2-2-7 (4)	3.7	47.8	43.1	9.1
	x x x								
10	x x x	A-4, SaSiGr, Rec. = 1.5 ft, with roots, wood pieces (Fill)			2-2-52-35 (54)	47.2	13.7	48.7	37.6
		A-4, C-F SAND, some silt, little gravel, brn, very dense							
		13.0 ft - 15.0 ft, Highly weathered bedrock							
15		15.0 ft - 20.0 ft, NXDC, Hard, fresh, gray, fine grained SCHIST, with high angle foliation. Qu = 5,760 psi (16.8 ft) Qu = 3,730 psi (18.6 ft)	1 (60-80)	100 (95)					
20		20.0 ft - 25.0 ft, NXDC, Hard, fresh, gray, fine grained SCHIST, with high angle foliation, primary joint parallel to foliation, widely spaced. Qu = 1,654 psi (21.0 ft) Qu = 1,816 psi (22.2 ft) Qu = 2,430 psi (23.3 ft) Qu = 3,881 PSI (24.6 ft)	2 (60-80)	100 (87)					
25		Hole stopped @ 25.0 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.