



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

BORING LOG
MILTON
IM 089-3(68)
I-89 SB MM 101.8 & MM102.3

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 11A046
Checked By: CEE

Boring Crew: PORTER, GARROW
Date Started: 5/09/11 Date Finished: 5/10/11
VTSPG NAD83: N 783246.76 ft E 1473751.48 ft
Station: 639+65 Offset: -13.00
Ground Elevation: 278.5 ft

Casing Type: WB I.D.: 3 in Hammer Wt: N.A. Hammer Fall: N.A. Hammer/Rod Type: Auto/AWJ Rig: CME 55 TRACK
Sampler Type: SS I.D.: 1.5 in Hammer Wt: 140 lb. Hammer Fall: 30 in Auto/AWJ CE = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
05/10/11	10.4	AM
05/11/11	14.1	From Well.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Well Diagram	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.8		Asphalt Pavement, 0.0 ft - 0.8 ft											
0.8 - 1.0		A-1-a, SaGr (possible crushed sub-base material), brn, Moist, Rec. = 1.0 ft, Lost water at 3.0 feet. BXDC from 2.2 to 3.0 feet (gravel)					25-22-13-11 (35)	5.4	67.6	24.9	7.5		
1.0 - 1.5		A-1-b, SaSiGr, gry, Moist, Rec. = 0.5 ft, Lots of Broken Rock was within sample.					8-8-12-17 (20)	6.4	53.2	23.2	23.6		
1.5 - 2.7		A-4, Si, brn, Moist, Rec. = 1.2 ft					2-3-3-2 (6)	23.9	0.5	3.1	96.4		
2.7 - 4.2		A-4, Si, brn, MTW, Rec. = 1.5 ft					WH-WH-1-2 (1)	30.8		0.7	99.3	29	3
4.2 - 5.9		A-4, Si, brn, MTW, Rec. = 1.7 ft					WH-WH-1-2 (1)	30.8		0.8	99.2	29	3
5.9 - 7.9		A-4, Si, gry, MTW, Rec. = 2.0 ft					WH-WH-WH (WH)	28.4	1.0	1.0	98.0	26	3
7.9 - 9.9		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft					WH-4-3-2 (7)	50.3	0.1	1.1	98.8	74	46
9.9 - 10.2		Visual Classification, Silty Clay with Gravel, gry, MTW, Rec. = 0.3 ft, Insufficient sample for any testing. This material continued to 38.0 feet.					WH-2-2-3 (4)						
10.2 - 11.7		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.5 ft					10-40-45-43 (85)	8.3	23.1	35.0	41.9		
11.7 - 51.4		46.4 ft - 51.4 ft, Gray, Carbonaceous Meta-Shale, Soft, Unweathered, Good rock, BXMDC, RMR=61		1 (70)	100 (100)	6 (8) (9) (8) (15)							
51.4		Hole stopped @ 51.4 ft											
51.4 - 60		Remarks: 1. Installed Monitoring Well to 36.1 ft. 2. 30.0 feet of screen pipe. 3. 5.9 feet of solid pipe. 4. Top of well is 0.2 feet below ground level.											

BORING LOG 2 MILTON IM 089-3(68).GPJ VERMONT AOT.GDT 7/20/11

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.