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-106
Page No.: 1 of 1
Pin No.: 11A046
Checked By: CEE

Boring Crew: PORTER, GARROW
Date Started: 5/24/11 Date Finished: 5/25/11
VTSPG NAD83: N 780655.95 ft E 1473748.45 ft
Station: 613+42 Offset: -66.00
Ground Elevation: 195.01 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	4 in	1.5 in
Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:	Auto/AWJ	
Rig:	CME 55 TRACK	CE = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/25/11	4.7	Set Overnight

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 %
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft, A very small layer of clay was noticeable.					1-1-1-2 (2)	16.4	14.7	52.9	32.4		
		A-2-4, SiSa, brn, Moist, Rec. = 0.5 ft					2-1-2-2 (3)	17.7	10.2	61.1	28.7		
		A-4, SaSi, brn, Moist, Rec. = 1.5 ft						27.6		24.9	75.1	27	5
5		A-4, SaSi, brn-gry, Moist, Rec. = 1.5 ft					2-3-2-3 (5)	23.5	0.4	23.1	76.5	25	3
		A-4, ClSi, brn, Moist, Rec. = 1.4 ft					2-2-2-2 (4)	26.0	0.3	12.9	86.8	27	7
		A-7-6, Cl, brn, MTW, Rec. = 2.0 ft					1-2-3-4 (5)	41.3		3.2	96.8	51	26
10		A-7-6, Cl, brn, Wet, Rec. = 0.3 ft, Sample fell out of Shelby Tube.						49.6	7.3	13.0	79.7	51	27
		A-7-6, Cl, brn-gry, MTW, Rec. = 2.0 ft, Material from Triaxial "B" sample.						45.0	0.8	1.3	97.9	52	28
		A-7-5, Cl, gry, MTW, Rec. = 1.0 ft					1-1-7-8 (8)	36.1	1.1	10.3	88.6	52	29
15		A-4, GrSi, gry, MTW, Rec. = 1.0 ft Rec. = 0.2 ft					R@2.5"	13.2 16.0	25.2	19.3	55.5	22	5
		Visual Classification, SaSiGr, gry, Wet		1 (25)	100 (96)	7		Top of Bedrock @ 16.2 ft					
		16.2 ft - 21.2 ft, Gray, Meta-Shale, with calcite veins. Soft, Unweathered, Good rock, NXMDC, RMR=61				6							
20						7							
						7							
						7							
		Hole stopped @ 21.2 ft											
25													

Remarks:
1. Installed Inclinometer Well to 20.9 ft.
2. Top of well is 2.5 feet above ground level.

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