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

BORING LOG

WATERBURY
IM 089-2(43)
EXIT #10 NB OFF RAMP-A BR-47

Boring No.: B-106
Page No.: 1 of 1
Pin No.: 10A076
Checked By: CEE

Boring Crew: GARROW, WERNER
Date Started: 11/19/10 Date Finished: 11/22/10
VTSPG NAD83: N 671399.11 ft E 1575367.98 ft
Station: 106+72.80 Offset: 2.36
Ground Elevation: 431.87 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 45C TRACK	CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
11/22/10	8.0	After weekend.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft				3-5-5-7 (10)	5.9	50.2	34.4	15.4
		A-1-b, SiSaGr, brn, Wet, Rec. = 0.7 ft				8-6-4-3 (10)	17.7	41.0	35.3	23.7
5										
		A-4, SaSiGr, gry, Wet, Rec. = 1.1 ft, Broken thin rock pieces were within sample. See Lab Note.				13-5-5-11 (10)	17.2	39.9	23.5	36.6
10										
		A-4, Si, gry, Wet, Rec. = 1.2 ft				6-5-5-5 (10)	29.8	3.5	2.1	94.4
15										
		A-4, Si, gry, Wet, Rec. = 1.3 ft				1-2-3-3 (5)	26.0		3.6	96.4
20										
		A-4, Si, gry, Wet, Rec. = 1.5 ft				1-2-2-3 (4)	34.5		1.2	98.8
25										
30		26.5 ft – 31.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Fair rock, NXMDC	1 (70)	90 (46)	12 15 14 14 15	Top of Bedrock @ 26.5 ft				
35		31.5 ft – 36.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	2 (70)	94 (74)	15 13 15 14 16					
		Hole stopped @ 36.5 ft								
40										
45										

Remarks:
LAB NOTE: In the sample from 7'-9', there was a slight oder of a possible old septic/sewer system.

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 WATERBURY IM 089-2(43).GPJ VERMONT AOT.GDT 4/13/11