



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-103A  
Page No.: 1 of 1  
Pin No.: 10A076  
Checked By: CEE

Boring Crew: GARROW, WERNER, PORTER  
Date Started: 11/29/10 Date Finished: 11/30/10  
VTSPG NAD83: N 671212.81 ft E 1575430.84 ft  
Station: 104+77.70 Offset: -22.03  
Ground Elevation: 432.09 ft

Casing Type: WB  
Sampler: 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
11/30/10	5.4	After drilling.
12/01/10	8.2	Overnight reading.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SaGr, gry, Moist, Rec. = 1.1 ft, Broken Rockl was within sample.				8-24-21-22 (45)	8.7	56.0	25.2	18.8
10		A-4, SaSi, gry, MTW, Rec. = 0.6 ft				8-4-4-2 (8)	30.4	15.0	32.2	52.8
15		A-1-a, SaGr, gry, Wet, Rec. = 0.7 ft, Broken Rock was within sample.				3-7-17-10 (24)	12.7	61.3	30.4	8.3
20		Field Note:, No Recovery				7-4-5-7 (9)				
25		A-1-b, SiGrSa, gry, Wet, Rec. = 0.7 ft, Broken Rock was within sample.				15-20-RO1 (R)	14.7	38.4	38.9	22.7
25		Field Note:, Broken rock								
25		24.9 ft - 28.7 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, with near vertical slightly stained joint from 24.9 to 27.5 feet. Moderately hard, Unweathered, Fair rock, NXMDC	1 (70)	95 (0)	15					
30		28.7 ft - 33.7 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	2 (70)	88 (82)	12					
35		33.7 ft - 34.9 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	3 (70)	100 (100)	12					
35		Hole stopped @ 34.9 ft								

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

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.