



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-104
Page No.: 1 of 1
Pin No.: 10A076
Checked By: CEE

Boring Crew: GARROW, WERNER, PORTER
Date Started: 11/30/10 Date Finished: 12/02/10
VTSPG NAD83: N 671224.36 ft E 1575453.24 ft
Station: 104+78.36 Offset: 3.17
Ground Elevation: 432.29 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
12/02/10	7.1	After hard rain.
12/03/10	4.8	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 %
		Asphalt Pavement, 0.0 ft - 0.4 ft								
		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft				5-5-6-4 (11)	8.8	55.5	29.9	14.6
5		A-4, Si, gry, MTW, Rec. = 0.9 ft				4-4-5-9 (9)	24.9	4.6	2.4	93.0
10		Field Note: No Recovery, Rock in end of sampler, Appears to be Silt.				1-1-1-3 (2)				
15		A-4, Si, gry, MTW, Rec. = 0.8 ft				2-3-3-5 (6)	25.7	4.3	12.9	82.8
20		A-4, Si, gry, MTW, Rec. = 1.3 ft				3-4-5-8 (9)	31.6	1.8	2.0	96.2
25		Visual Classification, Broken rock with silt, gry, Moist, Rec. = 1.0 ft				7-9-14-15 (23)	11.9			
		25.5 ft - 27.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Fair rock, NXMDC	1 (70)	85 (0)	12 16					
		27.5 ft - 29.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Fair rock, NXMDC	2 (70)	95 (0)	15 18					
		29.5 ft - 34.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	3 (70)	94 (90)	10 11 11 11					
35		34.5 ft - 35.5 ft, Light gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	4 (70)	90 (90)	11					
		Hole stopped @ 35.5 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.