



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

BORING LOG

SHREWSBURY
BRO 1443(44)
TH-4 BR-37

Boring No.: B-104

Page No.: 1 of 1

Pin No.: 94J154

Checked By: NSM

Boring Crew: PORTER, GARROW
Date Started: 5/03/11 Date Finished: 5/03/11
VTSPG NAD83: N 370197.52 ft E 1531125.33 ft
Station: 103+40 Offset: -38.00
Ground Elevation: 1013.82 ft

Casing Type: WB
Sampler Type: 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
05/03/11	0.6	Before drilling started.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, GrSiSa, blk, Wet, Rec. = 0.6 ft, (Muck)	WH-WH-2-3 (2)	55.8	28.2	43.5	28.3
		A-1-b, SiSaGr, Dk/brn, Wet, Rec. = 0.7 ft	8-8-10-8 (18)	18.3	40.6	37.8	21.6
5		A-1-b, SiGrSa, brn, MTW, Rec. = 0.6 ft, Cleaned out casing with BXDC.	2-5-5-10 (10)	12.4	37.2	40.6	22.2
		A-4, SaGrSi, brn, MTW, Rec. = 0.6 ft, Cleaned out casing with BXDC.	10-10-8-10 (18)	8.5	34.2	29.6	36.2
10		Field Note: No Recovery, Stone in sampler. Appears to be Gravel, Cleaned out casing with BXDC.	3-13-13-15 (26)				
		Visual Classification, Broken cobbles (Quartzite) with little silt & sand, white-brn, Moist, Rec. = 0.3 ft, Cleaned out casing with BXDC.	10-14-14-15 (28)	6.0			
		A-4, GrSaSi, brn, MTW, Rec. = 0.3 ft	1-10-17-10 (27)	10.4	30.6	32.0	37.4
15		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft	12-7-11-12 (18)	10.1	36.5	36.7	26.8
		A-2-4, SaGrSi, brn, Moist, Rec. = 1.5 ft	10-14-25-12 (39)	10.3	33.5	32.2	34.3
		A-2-4, SiSaGr (HP), brn, Moist, Rec. = 0.8 ft	8-11-22-38 (33)	9.8	42.3	29.6	28.1
20							
		Field Note: BXDC, Appears to be Sandy Gravel					
		A-1-b, SiSaGr (HP), orange-brown, Moist, Rec. = 0.8 ft	20-80-R@0.0"	9.7	38.9	37.8	23.3
25							
		Field Note: BXDC, Appears to be Silty Sand					
		A-2-4, SiGrSa (HP), brn, Moist, Rec. = 0.5 ft	R@6.0"	10.7	34.0	36.2	29.8
30		Field Note: No recovery, BXDC, To confirm it was not bedrock					
		Hole stopped @ 30.0 ft NLTD					
35							

BORING LOG 2 SHREWSBURY BRO 1443(44).GPJ VERMONT AOT.GDT 6/1/11

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.