



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

BORING LOG

MONTPELIER
BO 1446(36)
TH-130 BR-13

Boring No.: **B-103**

Page No.: **1 of 1**

Pin No.: **13J082**

Checked By: **MLM**

Boring Crew: DAIGNEAULT, NIETO, HOOK
 Date Started: 5/20/14 Date Finished: 5/20/14
 VTSPG NAD83: N 645715.60 ft E 1621951.11 ft
 Station: 14+85 Offset: 5.10
 Ground Elevation: 532.4 ft

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 SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
05/20/14	6.1	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description:, Recycled Asphalt Pavement, blk, Dry, Rec. = 0.8 ft				5-8-2-3 (10)	8.1			
		A-2-4, GrSa, Dk/brn, Moist, Rec. = 1.2 ft				3-3-3-2 (6)	13.4	24.9	55.2	19.9
		A-1-b, SaGr, Dk/brn, Moist, Rec. = 0.7 ft				3-4-4-8 (8)	10.6	45.3	40.1	14.6
		Visual Description:, Broken Rock with sand and asphalt pavement, Dk/brn, Moist, Rec. = 0.5 ft				2-2-3-2 (5)	5.2			
10		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft				2-R@3.5" (R)	18.2	29.2	54.3	16.5
		Field Note:, Concrete Footing/Granite Fill								
		Visual Description:, Broken Rock with silty sand, gry, Moist, Rec. = 0.3 ft				R@3.5" (R)	12.0			
		Field Note:, NXDC								
		A-2-4, GrSa, Dk/gry, Moist, Rec. = 0.6 ft				5-3-1-1 (4)	23.1	35.8	48.8	15.4
20		A-1-b, GrSa, brn, MTW, Rec. = 0.6 ft				3-3-5-6 (8)	16.1	39.0	47.8	13.2
		Field Note:, NXDC								
		A-2-4, Sa, Lt/gry, Moist, Rec. = 1.0 ft				5-3-3-4 (6)	19.9	14.5	71.9	13.6
30		Field Note:, No Recovery				4-3-6-9 (9)				
		A-2-4, Sa, gry, Moist, Rec. = 0.6 ft				2-4-8-8 (12)	23.9		87.3	12.7
40		37.6 ft - 42.6 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, with quartz vein from 39.4' to 40.8'. Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 59	1 (60)	100 (48)	5					
		42.6 ft - 45.9 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 64	2 (80)	97 (61)	5					
					6					
					7					
					9					
					15					
					5					
					6					
					29					
					17					
		Hole stopped @ 45.9 ft								
50		Remarks: Hole collapsed at 8.0 ft.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.