



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

BORING LOG

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

Boring No.: **B-101**
 Page No.: **1 of 1**
 Pin No.: **13J082**
 Checked By: **MLM**

Boring Crew: DAIGNEAULT, NIETO, MEYERS
 Date Started: 5/12/14 Date Finished: 5/12/14
 VTSPG NAD83: N 645682.03 ft E 1621866.67 ft
 Station: 13+94 Offset: -3.50
 Ground Elevation: 535.2 ft

Casing: 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 SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
05/12/14	1.1	While drilling.

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 %
		Asphalt Pavement, 0.0 ft - 0.48 ft								
		A-1-b, SaGr, Lt/gry, Moist, Rec. = 0.7 ft, Lab Note: Various types of Broken Rock were within sample. Roller coned and cleaned out casing.				11-12-23-11 (35)	11.0	46.3	37.2	16.5
		A-2-4, SiGrSa, brn, MTW, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Roller coned and cleaned out casing.				1-4-5-4 (9)	16.4	32.4	39.5	28.1
5		A-4, SiSa, brn, MTW, Rec. = 1.2 ft, Roller coned and cleaned out casing.				6-1-4-1 (5)	25.7	10.3	45.1	44.6
		A-2-4, SiSa, brn, MTW, Rec. = 1.6 ft				4-2-1-1 (3)	26.6	9.4	60.0	30.6
10		Lab Note, Mostly flat brittle fragments of broken rock (Slate), gry-brn, Moist, Rec. = 0.9 ft				2-18-12-R@3.5" (30)	13.8	50.2	30.7	19.1
		Field Note:, NXDC				R@2.5" (R)	9.2	64.5	17.8	17.7
		Field Note:, Mostly flat brittle fragments of broken rock (Slate), gry, Moist, Rec. = 0.2 ft								
		Field Note:, NXDC								
15		13.0 ft - 18.0 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 59	1 (70)	98 (34)	6					
					5					
					10					
					5					
					7					
20		18.0 ft - 23.0 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 64	2 (70)	100 (54)	10					
					5					
					5					
					8					
					12					
		Hole stopped @ 23.0 ft								
25		Remarks: Hole collapsed at 4.6 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.

BORING LOG 2 MONTPELIER BO 1446(36).GPJ VERMONT AOT.GDT 6/3/14