



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

BORING LOG

BARNARD
BHF 0241(39)
VT-12 BR-25

Boring No.: B-104

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Pin No.: 10C410

Checked By: NSM

Boring Crew: SALISBURY, GARROW
Date Started: 5/16/12 Date Finished: 5/16/12
VTSPG NAD83: N 458462.67 ft E 1605125.39 ft
Station: 370+21.5 Offset: -8.00
Ground Elevation: 882.35 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 TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes

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 - 0.6 ft								
		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft				7-9-12-16 (21)	6.2	63.7	24.9	11.4
5		Field Note: NXDC, Gravel								
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Lots of Broken Rock was within sample.				5-4-4-5 (8)	10.8	52.4	31.8	15.8
		Field Note: NXDC, Gravel								
		Visual Description: Very Weathered Rock, grn, Moist, Rec. = 0.6 ft				18-R@3.5"	10.5			
10		Field Note: NXDC, Cobbles								
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.5 ft				22-33-40-50 (73)	9.7	38.7	38.8	22.5
		Visual Description: Weathered & Broken Rock, gry, Moist, Rec. = 0.4 ft				R@6.0"	9.7			
20		Field Class: NXDC, Cobbles								
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.6 ft				20-28-24-40 (52)	12.5	22.3	49.6	28.1
25		Field Note: Soft Weathered Rock								
		28.0 ft - 33.0 ft, Light gray, To pale-green schist and feldspathic biotite quartzite and amphibolite. Hard, Unweathered to slightly weathered, Good rock, NXMDC, RMR = 62	1 (85)	100 (50)	3					
30					3					
					3					
					3					
					3					
		33.0 ft - 38.0 ft, Light gray, To pale-green schist and feldspathic biotite quartzite Hard, Unweathered to slightly weathered, Good rock, NXMDC, RMR = 66	2 (85)	100 (84)	3					
35					3					
					2					
					2					
					2					
					2					
		Hole stopped @ 38.0 ft								

Top of Bedrock @ 26.5 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. 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.

BORING LOG 2 BARNARD BHF 0241(39).CPJ VERMONT AOT.GDT 6/20/12