



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

BORING LOG

BENNINGTON
BRF 1000(16)S
TH-7 BR-57

Boring No.: B-105

Page No.: 1 of 1

Pin No.: 88J087

Checked By: NSM

Boring Crew: GARROW, SALISBURY
Date Started: 3/01/12 Date Finished: 3/08/12
VTSPG NAD83: N 144224.37 ft E 1452261.86 ft
Station: 9+84.93 Offset: 18.75
Ground Elevation: 630.61 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
03/07/12	20.4	AM

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 %
5	[Wavy pattern]	Lab Note, SaGr Mostly Broken Rock, brn, Moist, Rec. = 0.4 ft, NXDC 2.5'-3.0' Gravel.				4-5-20-20 (25)	8.1	69.3	22.3	8.4
		Lab Note, SaGr Mostly Broken Rock, brn, Moist, Rec. = 0.7 ft				8-23-18-18 (41)	11.0	68.3	23.7	8.0
	[Circular pattern]	Field Note:, NXDC, Cobbles, Boulder								
10	[Wavy pattern]	Lab Note, Mostly Broken Rock, brn, Moist, Rec. = 0.3 ft, NXDC 8'-9' Gravel.				8-8-6-32 (14)	9.7	66.1	25.8	8.1
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft				7-44-6-4 (50)	13.9	51.9	35.7	12.4
15	[Wavy pattern]	Visual Classification, Broken Rock, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing.				6-3-2-2 (5)				
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, NXDC 14.2'-15.0' Gravel.				2-2-1-2 (3)	17.0	37.5	38.7	23.8
		Field Note:, No Recovery.				6-5-5-5 (10)				
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.9 ft, NXDC 18.2'-19.0' Gravel.				5-15-8-4 (23)	18.0	27.9	51.6	20.5
20	[Circular pattern]	Visual Classification, SiGrSa, brn, Moist, Rec. = 0.1 ft				10-R@3.5"				
		Field Note:, NXDC, Cobbles								
25	[Wavy pattern]	Lab Note, SaGr Mostly Broken Rock, brn, Moist, Rec. = 0.9 ft, NXDC 22'-23' Gravel.				16-41-36-41 (77)	9.7	69.9	20.6	9.5
		Lab Note, SaGr Mostly Broken Rock, brn, Moist, Rec. = 0.7 ft				10-9-9-4 (18)	10.8	70.4	26.5	3.1
		Visual Classification, GrSa, red-brn, Moist, Insufficient sample for testing. NXDC 26.5'-27.0' Gravel.				8-2-1-3 (3)				
		A-1-b, SaSiGr with Broken Rock, brn, Moist, Rec. = 1.0 ft				12-18-40-R@5.0"	9.7	51.5	23.2	25.3
30	[Cross-hatch pattern]	Field Note:, NXDC, 29'-32', Top of Incompetent Bedrock.								
		Field Note:, Sleaved casing to 3.0" and advanced with BXDC, 32'-34.5', Incompetent Bedrock.								
35	[Brick pattern]	34.5 ft - 39.5 ft, Gray to light gray, Meta-Limestone, Moderately hard, Very slightly weathered, Poor rock, BWG, Closely spaced jointing. Very poor RQD. RMR = 39	1	90	6	Top of Bedrock @ 34.5 ft				
			(10)	(14)	4					
					3					
					3					
40	[Brick pattern]	39.5 ft - 44.5 ft, Light gray, Meta-Limestone, Moderately hard, Very slightly weathered, Poor rock, BWG, Closely spaced jointing. Very poor RQD. RMR = 39	2	90	3					
			(10)	(8)	3					
					3					
					3					
45		Hole stopped @ 44.5 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 BENNINGTON BRF 1000(16)S.GPJ VERMONT AOT.GDT 5/2/12