



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

BORING LOG

RUTLAND CITY
BRF 3000(18)
TH-13 BR-14

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 96J244
Checked By: CEE

Boring Crew: GARROW, SALISBURY
Date Started: 8/09/12 Date Finished: 8/10/12
VTSPG NAD83: N 399164.67 ft E 1512913.26 ft
Station: 3+42 Offset: -16.00
Ground Elevation: 528.65 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
08/10/12	7.0	Seated in Bedrock.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
10	[Pattern]	A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Roots & Leaves were within sample.				1-1-2-6 (3)	15.7	46.1	37.1	16.8			
		A-4, GrSaSi, brn, Moist, Rec. = 1.0 ft, Some Asphalt Pavement was within sample.				6-6-3-4 (9)	17.3	27.6	35.1	37.3			
		A-2-4, SiSa, brn, Wet, Rec. = 0.3 ft				2-2-1-2 (3)	25.5	2.2	75.5	22.3			
		A-2-4, SiGrSa, brn, Wet, Rec. = 0.8 ft				2-1-1-1 (2)	31.9	23.3	54.7	22.0			
		A-2-4, Sa, brn, Wet, Rec. = 0.4 ft, Sticks & Wood were within sample.				1-1-1-1 (2)	40.1	0.8	81.4	17.8			
		A-2-4, SiSa, brn, Wet, Rec. = 0.4 ft, Pieces of Wood were within sample.				1-1-1-1 (2)	53.0	10.6	55.4	34.0			
		A-4, CISi, gry, Wet, Rec. = 2.0 ft				1-1-WH-WH (1)	40.8		0.2	99.8	36	8	
		Visual Description: CISi, gry, Wet, Rec. = 2.0 ft, Material similar to 12-14 ft.				WR-WR-WH-WH (WH)	41.4						
		A-6, SiCl, gry, Wet, Rec. = 2.0 ft				WR-WR-WH-WH (WH)	40.6		0.2	99.8	36	11	
		Visual Description: SiCl, gry, Wet, Rec. = 2.0 ft, Material similar to 16-18 ft.				(WH)	40.5						
20	[Pattern]	Visual Description: SiCl, gry, Wet, Rec. = 2.0 ft, Material similar to 16-18 ft.				(WH)	40.0						
		Visual Description: SiCl, gry, Wet, Rec. = 2.0 ft, Material similar to 16-18 ft.				(WH)	43.9						
		Visual Description: SiCl, gry, Wet, Rec. = 2.0 ft, Material similar to 24-26 ft.				(WH)	46.5		0.3	99.7	40	12	
		A-6, SiCl, gry, Wet, Rec. = 2.0 ft				(WH)							
30	[Pattern]	A-4, Si, gry, Wet, Rec. = 1.2 ft				WH-WH-1-1 (1)	34.9		7.4	92.6			
		A-6, SiCl, gry, Wet, Rec. = 2.0 ft				WR-WR-WH-WH (WH)	47.1		1.9	98.1	40	14	
40	[Pattern]	A-4, Si, gry, MTW, Rec. = 0.5 ft				1-2-2-2 (4)	39.4		1.0	99.0			
		A-4, Si, gry, Wet, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.				2-3-2-2 (5)	30.9	7.4	1.7	90.9			
50	[Pattern]	Field Note: BXDC, Cobbles, Fractured Rock											
		Field Note: Incompetent Fractured Rock											
60	[Pattern]	52.0 ft - 57.0 ft, Light gray, Dolomite, with closely spaced jointing. Moderately hard, Unweathered, Poor rock, BXGDC, RMR = 38	1 (NA)	70 (0)	3								
		57.0 ft - 58.0 ft, BXGDC, No Recovery. Drillers reported as "Seam".	2 (NA)	0 (0)	3								
		58.0 ft - 63.0 ft, Light gray, Dolomite, with closely spaced jointing. Moderately hard, Unweathered, Poor rock, BXGDC, RMR = 38	3 (NA)	58 (0)	3								
		Hole stopped @ 63.0 ft											

Top of Bedrock @ 52.0 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. 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 RUTLAND CITY BRF 3000(18).CPJ VERMONT AOT.GDT 9/10/12