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

BORING LOG

RUTLAND CITY
BRF 3000(16)
TH- 8 & 10 BR-2

Boring No.: **B-201**
Page No.: 1 of 2
Pin No.: 94J092
Checked By: MLM

Boring Crew: DAIGNEAULT, HOOK, JUDKINS
Date Started: 4/14/14 Date Finished: 4/28/14
VTSPG NAD83: N 401700.29 ft E 1510015.17 ft
Station: 102+28 Offset: -7.40
Ground Elevation: 526.3 ft

	Casing	Sampler
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 55 TRACK	C_e = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
04/18/14	0.9	While drilling.
04/28/14	0.4	AM
04/29/14	2.5	After 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 %
		Field Note:, Drilled down to 65 feet and began sampling.								
10										
20										
30										
40										
50										
60										
		A-4, SaSi, Lt/brn, Moist, Rec. = 0.5 ft, Lab Note: A small layer of clay was noticeable. Broken Rock was within sample.				R@6.0" (R)	11.1	19.6	37.0	43.4
70		Field Note:, NXDC, Cleaned out casing.								
		Visual Description:, Mostly Broken Rock with silty sand, Lt/gry, Moist, Rec. = 0.3 ft				R@5.0" (R)	7.1			
		Field Note:, NXDC, Cleaned out casing.								

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_e 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.

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Groundwater Observations
04/18/14 0.9 While drilling.
04/28/14 0.4 AM
04/29/14 2.5 After 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 %
		Field Note:, No Recovery, Artesian condition was present.				R@5.0" (R)				
80		Field Note:, NXDC, Cleaned out casing.								
		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				R@3.5" (R)	7.5	40.4	38.4	21.2
		Field Note:, NXDC, Boulder								
90		Field Note:, NXDC, Cleaned out casing.								
		A-1-b, SaGr, Lt/brn, MTW, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				R@5.0" (R)	8.0	50.6	29.7	19.7
		Field Note:, NXDC, Cleaned out casing.								
		A-4, SaSi, Lt/brn, Moist, Rec. = 0.2 ft				49-R@1.0" (R)	13.0	18.1	27.7	54.2
100		A-4, GrSaSi, yel-gry, Moist, Rec. = 0.4 ft				49-R@1.0" (R)	15.5	21.9	29.8	48.3
		Field Note:, NXMDC, Boulder								
		Field Note:, NXMDC, Boulder, with a seam from 108.2' to 110.2'								
110		Field Note:, NXMDC, Boulder, Broke through boulder and started sampling.								
		Visual Description:, Mostly Broken Rock with sand, tan, Moist								
		A-4, GrSi, tan, Moist, Rec. = 0.5 ft				41-32-27-R@0.0" (59)	11.1	36.9	18.6	44.5
		Field Note:, NXDC, Cleaned out casing.								
120		A-2-4, SiGrSa, tan, Moist, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample.				27-49-24-R@0.0" (73)	18.1	34.2	36.0	29.8
		A-1-b, SaGr, tan, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.				32-R@3.5"	13.2	41.2	40.0	18.8
130		A-2-4, SaSiGr, tan, Moist, Rec. = 0.3 ft, Mostly Broken Rock w/Sa Si				R@3.5"	11.8	40.5	25.7	33.8
		130.3 ft - 132.1 ft, Light gray, And buff colored, massive Dolomite, with numerous closley spaced jointing. Joint surfaces exhibit iron staining Hard to medium hard, Slightly to moderately weathered, Poor rock, NXMDC, RMR = 24	1 (?)	72 (0)	3	Top of Bedrock @ 130.3 ft				
			2 (?)	91 (8)	3 3 3 1					
		132.1 ft - 136.7 ft, Same as Run #1. NXMDC, RMR = 24	3 (?)	50 (0)	12					
140		136.7 ft - 141.1 ft, Same as Run #1. NXMDC, RMR = 24			2 3 2 23 12					
		Hole stopped @ 141.1 ft								

Remarks:
1. Hole collapsed at 16.2 ft.

Notes:
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EST. TIP ELEV. 432.30

BORING LOG 2 RUTLAND CITY BRF 3000(16).GPJ VERMONT AOT.GDT 5/6/14

PROJECT NAME: RUTLAND CITY
PROJECT NUMBER: BRF 3000 (16)

FILE NAME: s94J092bor.dgn
PROJECT LEADER: C.CARLSON
DESIGNED BY: EVANS-MONGEON
BORING LOG SHEET 9

PLOT DATE: 03-JUL-2014
DRAWN BY: M.LONGSTREET
CHECKED BY: EVANS-MONGEON
SHEET 161 OF 245