

FILE NAME = W:\P\c\users\j\my\k2\2015\CADD\WSTN\08\096\ecms\utants\z08\096\boring\logs.dgn  
 DATE/TIME = 6/30/2014  
 USER = 4916

BOTTOM OF ABUT. 2  
 FOOTING EL. 511.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-108</b>					
RUTLAND CITY BRF 3000(19) TH-10 BR-17		Page No.: 1 of 2		Pin No.: 08J096					
Checked By: CAA		Casing		Sampler					
Boring Crew: PORTER, GARROW		Type: WB		SS					
Date Started: 6/17/10 Date Finished: 6/21/10		I.D.: 4 in		1.5 in					
VTSPG NAD83: N 401988.35 ft E 1507401.58 ft		Hammer Wt: N.A.		140 lb					
Station: 10+15 Offset: 0.00		Hammer Fall: N.A.		30 in					
Ground Elevation: 519.6 ft		Hammer/Rod Type: Auto/AWJ		C <sub>u</sub> = 1.46					
Rig: CME 55 TRACK		Date		Depth (ft)					
		06/18/10		9.7					
		06/21/10		10.4					
				Notes					
				Prior to drilling.					
				Prior to drilling.					
Depth (ft)	Strata (1)	Run (Dip ang.)	Run Rec. % (RCD %)	Drill Rate (min/ft)	Blow/B (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-1	A-2-4, GrSiSa, brn-white, Moist, Rec. = 1.4 ft, Broken Marble rock was within sample.			1-3-6-6 (9)	12.5	28.6	40.0	31.4	
1-5	Visual Classification, Broken Marble rock with silty sand, white, Moist, Rec. = 0.8 ft			3-7-5-5 (12)	5.4				
5-7	Visual Classification, Broken Marble rock with silty sand, brn-white, Moist, Rec. = 0.7 ft			3-5-6-3 (11)	5.7				
7-10	Visual Classification, Broken Marble rock with sandy silt, white, Moist, Rec. = 1.0 ft			3-5-6-4 (11)	6.6				
10-11	A-4, Si, brn, Moist, Rec. = 0.7 ft			3-2-1-1 (3)	35.4	1.3	18.4	80.3	
11-12	Visual Classification, Si with Broken rock, brn-white, Moist, Rec. = 0.4 ft			2-1-1-3 (2)	14.6				
12-14	A-2-4, SiSa, brn, MTW, Rec. = 1.4 ft, Lab Note: A rust color was noticeable in the sample.			4-1-1-1 (2)	31.0		71.0	29.0	
14-15	A-1-b, GrSa, brn, MTW, Rec. = 0.8 ft			1-1-2-3 (3)	16.8	41.4	50.5	8.1	
15-16	A-1-b, GrSa, brn, Wet, Rec. = 0.4 ft, Lab Note: A very rusty colored sample.			5-3-2-2 (5)	15.8	27.4	64.1	8.5	
16-17	A-3, Sa, brn, Wet, Rec. = 1.4 ft			3-1-1-1 (2)	28.8		94.4	5.6	
17-25	A-4, Si, gry, Wet, Rec. = 1.2 ft			4-3-3-3 (6)	27.5		4.9	95.1	
25-26	Field Note: NXDC, Boulder								
26-30	A-2-4, SiGrSa, gry, MTW, Rec. = 1.6 ft			11-20-28-30 (48)	13.1	30.3	45.4	24.3	
30-31	Field Note: NXDC, Gravel								
31-32	A-2-4, SiGrSa, gry, Moist, Rec. = 0.6 ft			7-5-5-5 (10)	12.0	28.0	44.6	27.4	

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<sub>u</sub> 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.

ESTIMATED MIN. PILE TIP  
 EL. 471.00

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Station: 10+15 Offset: 0.00		Hammer Fall: N.A.		30 in					
Ground Elevation: 519.6 ft		Hammer/Rod Type: Auto/AWJ		C <sub>u</sub> = 1.46					
Rig: CME 55 TRACK		Date		Depth (ft)					
		06/18/10		9.7					
		06/21/10		10.4					
				Notes					
				Prior to drilling.					
				Prior to drilling.					
Depth (ft)	Strata (1)	Run (Dip ang.)	Run Rec. % (RCD %)	Drill Rate (min/ft)	Blow/B (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
32-40	Field Note: NXDC, Gravel								
40-41	A-1-b, SiGrSa (HP), gry, MTW, Rec. = 0.6 ft, Broken rock was within sample.				10-60-70B (R)	15.2	37.7	39.7	22.6
41-42	Field Note: NXDC, Gravel								
42-45	A-1-b, SiSaGr (HP), gry, MTW, Rec. = 0.3 ft, Insufficient sample for a true gradation.				50-R22.5 (R)	7.6	49.7	30.0	20.3
45-46	Field Note: NXDC, (HP)								
46-47	Field Note: No Recovery, Appears to be SaSi (HP)				R/4.5 (R)				
47-51	Field Note: NXDC, Cleaned out casing								
51-52	51.5 ft - 53.0 ft, Light gray, Quartzite, with closely spaced iron stained jointing. Very hard, Fresh, Fair rock, NXDC	1 (?)	73 (0)	10					Top of Bedrock @ 51.5 ft
52-53	53.0 ft - 57.0 ft, Same as Run #1. NXMDC	2 (?)	92 (62)	10					
53-54				9					
54-55				9					
55-56				9					
56-57				9					
57-58	57.0 ft - 62.0 ft, Same as Run #1. NXMDC	3 (?)	100 (14)	8					
58-59				4					
59-60				9					
60-61				9					
61-62				8					
62-65	Hole stopped @ 62.0 ft								

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<b>BORING LOG SHEET #5</b>	PROJECT NAME: RUTLAND CITY	PLOT DATE: 6/30/2014
	PROJECT NUMBER: BRF 3000 (19)	DRAWN BY: D.M.D.
	PROJECT LEADER: M.D.S.	CHECKED BY: P.M.P.
	DWG. NO.:	SHEET 59 OF 245