

ABUTMENT NO 2
 BOTTOM OF PILE CAP
 EL 712.00

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
				WAITSFIELD BHF 013-4(39) VT-100 BR-177		Page No.: 1 of 2				
				Pin No.: 12B136		Checked By: CEE				
Boring Crew: JUDKINS, DAIGNEAULT		Type: WB SS		Groundwater Observations						
Date Started: 10/21/13 Date Finished: 10/23/13		I.D.: 4 in 1.5 in		Date	Depth (ft)	Notes				
VTSPG NAD83: N 610040.20 ft E 1553078.80 ft		Hammer Wt: N.A. 140 lb.		10/23/13	6.2	While drilling.				
Station: 15+10 Offset: 26.20		Hammer Fall: N.A. 30 in.								
Ground Elevation: 716.0 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK C = 1.46								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Cone Rec. % (RCB %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		A-2-4, SiGrSa, brn, Moist, Rec. = 0.6 ft				WH-3-7-6 (10)	11.4	26.8	50.5	22.7
		Visual Description: Broken Rock (Granite) with sand, brn-gry, Moist, Rec. = 0.3 ft					5.0			
		Field Note: NXDC, Boulder								
5		Field Note: NXDC, Cleaned out casing								
		A-2-4, SaSiGr, brn, Wet, Rec. = 0.7 ft				10-16-8-6 (24)	12.6	46.8	22.1	31.1
		Visual Description: Broken Rock (Granite), gry, Moist, Rec. = 0.2 ft				22-24-30-24 (54)				
10		A-2-4, SaSiGr, brn, Wet, Rec. = 0.2 ft				10-7-6-5 (13)	10.0	47.5	24.6	27.9
		A-1-b, SiSaGr, brn, Wet, Rec. = 0.7 ft				6-5-4-7 (9)	11.7	48.1	26.6	25.3
		Visual Description: Broken Rock with sand, gry, Wet, Rec. = 0.3 ft, Insufficient sample for testing.				5-4-4-5 (8)				
		Visual Description: Broken Rock with silty sand, Dk/gry, MTW, Rec. = 0.2 ft, Insufficient sample for testing.				2-2-2-2 (4)	21.3	17.1	62.1	20.8
		A-2-4, SiSa, gry, Wet, Rec. = 1.3 ft				WH-1-2-3 (3)	26.2	1.4	31.6	67.0
20		A-4, SaSi, gry, Wet, Rec. = 0.8 ft				WH-2-1-1 (3)	26.1	1.2	42.1	56.7
		A-4, SaSi, gry, Wet, Rec. = 0.8 ft				2-1-1-2 (2)	27.1		46.6	53.4
		A-4, SaSi, gry, Wet, Rec. = 0.9 ft				3-1-1-1 (2)	30.7	0.9	21.1	78.0
25		A-4, SaSi, gry, Wet, Rec. = 1.1 ft, Lab Note: A small layer of clay was noticeable, but not enough for testing.								
30		A-4, SaSi, gry, Wet, Rec. = 0.7 ft				1-1-3-2 (4)	28.8		35.0	65.0

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 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.

ABUTMENT NO 2
 ESTIMATED PILE TIP
 EL 666.00

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
				WAITSFIELD BHF 013-4(39) VT-100 BR-177		Page No.: 2 of 2				
				Pin No.: 12B136		Checked By: CEE				
Boring Crew: JUDKINS, DAIGNEAULT		Type: WB SS		Groundwater Observations						
Date Started: 10/21/13 Date Finished: 10/23/13		I.D.: 4 in 1.5 in		Date	Depth (ft)	Notes				
VTSPG NAD83: N 610040.20 ft E 1553078.80 ft		Hammer Wt: N.A. 140 lb.		10/23/13	6.2	While drilling.				
Station: 15+10 Offset: 26.20		Hammer Fall: N.A. 30 in.								
Ground Elevation: 716.0 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK C = 1.46								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Cone Rec. % (RCB %)	Drill Rate (min/ft)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, gry, Wet, Rec. = 0.7 ft				4-3-4-4 (7)	26.2	0.2	53.7	46.1
40		A-4, SaSi, gry, Wet, Rec. = 0.9 ft				2-5-4-2 (9)	28.9	0.3	30.1	69.6
45		A-4, SaSi, gry, MTW, Rec. = 0.4 ft				3-3-5-4 (8)	5.9	7.8	39.3	52.9
		Field Note: NXDC, Cleaned out casing								
50		50.0 ft - 55.0 ft, Light gray, Phyllitic Schist, Moderately soft, Unweathered, Fair rock, NXGDC, RMR = 44	1 (65)	78 (18)	6					
55		55.0 ft - 60.0 ft, Light gray, Phyllitic Schist, Moderately soft, Unweathered, Good rock, NXGDC, RMR = 61	2 (65)	100 (92)	6					
60		Hole stopped @ 60.0 ft								
		Remarks: Hole collapsed at 9.2 ft.								
65										

Notes:
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 2. N Values have not been corrected for hammer energy. C 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.

PROJECT NAME: **WAITSFIELD**
 PROJECT NUMBER: **BRF 013-4(39)**
 FILE NAME: **z12b136bor_log.dgn** PLOT DATE: **8/24/2015**
 PROJECT LEADER: **R. YOUNG** DRAWN BY: **S. MERKWAN**
 DESIGNED BY: **D. KULL** CHECKED BY: **T. KENDRICK**
 BORING LOG SHEET 2 SHEET 20 OF 69