

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-104				
		NEW HAVEN BRF 0183(1) TH-2 BR-10		Page No.: 1 of 2		Pin No.: 10J070				
		Checked By: CEE								
Boring Crew: JUDKINS, DAIGNEAULT, GARROW		Casing Sampler		Groundwater Observations						
Date Started: 9/24/13 Date Finished: 9/30/13		Type: WB SS & TUBE		Date	Depth (ft)	Notes				
VTSPG NAD83: N 569535.07 ft E 1469941.15 ft		I.D.: 4 in 1.5 in								
Station: 503+78 Offset: 5.00		Hammer Wt: N.A. 140 lb.								
Ground Elevation: 249.0 ft		Hammer Fall: N.A. 30 in.								
		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK C_e = 1.46								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blow(s) ² (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0		Visual Description: SaGr, bm, MTW, Rec. = 0.2 ft, Insufficient sample for testing.		8-2-2-1 (4)	10.0					
10		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft		1-2-WH-WH (2)	67.3		1.0	99.0	61	36
		Cl, gry, Wet, Rec. = 2.0 ft, 14.5 ft - 16.5 ft, Shelby Tube								
		Cl, gry, Wet, Rec. = 2.0 ft, 16.5 ft - 18.5 ft, Shelby Tube								
20		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft		WR-WR-WR-WH (WR)	67.9		0.1	99.9	65	37
30		A-6, SiCl, gry, Wet, Rec. = 2.0 ft		WR-WR-WR-WR (WR)	33.1		1.1	98.9	32	15
40		A-7-6, Cl, gry, MTW, Rec. = 2.0 ft		WR-WR-WR-WR (WR)	57.6		0.2	99.8	61	35
50		SiCl, gry, MTW, Rec. = 2.0 ft, 48.5 ft - 50.5 ft, Shelby Tube								
		A-6, SiCl, gry, Wet, Rec. = 0.3 ft, Lost sample in hole. Bagged what remained in tube.			34.3		4.6	95.4	32	13
60		Field Note: No Recovery, 10 blows with no movement.		19-R@5.0"						

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_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.

Bottom of Drilled Shaft
Elev. = 130.00

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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blow(s) ² (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
70		Field Note: No Recovery, Extremely hard drilling. Field Note: Pulled casing & replaced bit., Re-drilled same hole		R@3.5"						
80		Field Note: Cobbles Field Note: No Recovery		16-42-R@3.5" (R)						
90		A-4, SaSi, gry, Moist, Rec. = 1.6 ft		8-28-34-R@3.5" (B2)	8.8	16.8	29.0	54.2	17	4
100		A-4, GrSaSi, gry, Moist, Rec. = 0.6 ft		27-47-R@5.0" (R)	8.7	21.3	30.9	47.8	18	5
110		A-2-4, GrSiSa, gry, Moist, Rec. = 0.3 ft		26-R@5.0" (R)	11.1	21.2	43.4	35.4		
120		Field Note: No Recovery, Bit worn out. Attempted to pull casing again. Hole stopped @ 121.5 ft Casing broke off.		10-34-R@5.0" (R)						
130		Remarks: 1. Bit was worn out at 74.0 feet, so the driller's pulled the casing and replaced the bit. 2. Bit was worn out again at 121.5 feet, so the driller's attempted to pull the casing again. 3. Casing broke off at 100 feet below ground surface. 20 feet of casing remains in the ground. 4. Top of ground surface was 16.5 feet below the top of the bridge deck.								

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PROJECT NAME: NEW HAVEN
PROJECT NUMBER: BRF 0183 (1)



FILE NAME: z10J070bor.dgn
PROJECT LEADER: G.K. DONINGTON
DESIGNED BY: P. ARMANO
BORING LOG SHEET 3

PLOT DATE: 23-JUNE-2015
DRAWN BY: W. GERHOLD
CHECKED BY: R. BENJAMIN
SHEET 24 OF 67