

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102				
		NEW HAVEN BRF 0183(1) TH-2 BR-10		Page No.: 2 of 2		Pin No.: 10J070				
		Checked By: CCB								
Boring Crew: PORTER, GARROW, CROWLER		Type: WB	Sampler: SS & TUBE	Groundwater Observations						
Date Started: 5/09/12 Date Finished: 5/11/12		I.D.: 4 in	1.5 in	Date	Depth (ft)	Notes				
VTSPG NAD83: N 569559.85 ft E 1469952.00 ft		Hammer Wt: N.A.	140 lb.							
Station: 504+05 Offset: 5.70		Hammer Fall: N.A.	30 in.							
Ground Elevation: 250.3 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK	C _u = 1.46							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blow(s) (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
55		Visual Description: Cl, gry, Wet, Rec. = 1.7 ft. Material similar as 67'-69'. Roller Coned ahead. Very sloppy sample.		WR-WR WR-WR	29.6					
60		A-6, SiCl, gry, Wet, Rec. = 1.5 ft. Very sloppy sample.		WR-WR WR-WR	39.1	5.6	94.4	36	19	
65		Field Note: NXDC. Material changed. (HP)								
70		A-4, SaGrSi (HP), gry, Moist, Rec. = 0.5 ft. Lab Note: Sample had low Limits, if any. Insufficient sample for other testing.		6- R@3.5'	9.0	30.3	26.9	42.8		
75		A-4, GrSaSi (HP), gry, Moist, Rec. = 0.9 ft		35-52 (R)	7.9	20.3	29.4	50.3		
80		Field Note: NXDC								
85		Field Note: No Recovery		42-51 (R)						
Hole stopped @ 98.0 ft										

BORING LOG 2 NEW HAVEN BRF 0183(1) CPU: VERMONT.AGT.GDT 12/11/13

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_u 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.

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
		NEW HAVEN BRF 0183(1) TH-2 BR-10		Page No.: 1 of 2		Pin No.: 10J070				
		Checked By: CCB								
Boring Crew: PORTER, DAVIDSON		Type: WB	Sampler: SS	Groundwater Observations						
Date Started: 4/30/12 Date Finished: 5/04/12		I.D.: 4 in	1.5 in	Date	Depth (ft)	Notes				
VTSPG NAD83: N 569670.33 ft E 1470011.41 ft		Hammer Wt: N.A.	140 lb.	05/04/12	5.1	Above Ground Level				
Station: 505+25 Offset: 31.80		Hammer Fall: N.A.	30 in.							
Ground Elevation: 259.7 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK	C _u = 1.46							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blow(s) (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
55		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft		WH-WH- WH-1	24.6	0.8	64.3	34.9		
		A-4, SiSa, brn, Moist, Rec. = 1.3 ft		WH-1- WH-1	17.9	4.8	57.4	37.8		
		A-4, SiSa, brn, Moist, Rec. = 2.0 ft		2- 2-2-2-3	27.6		53.4	46.6		
		A-4, SaSi with small pieces of Wood, brn-gry, Moist, Rec. = 1.8 ft		1-1-2-1 (4)	40.4		38.9	61.1		
		A-2-4, SiSa with lots of small pieces of Wood, brn-gry, Moist, Rec. = 0.9 ft		1-1-2-1 (11)	45.9	0.8	77.6	21.6		
		Visual Description: Wood, Rec. = 1.1 ft		1-1-1-3 (2)	43.3	29.9	58.0	12.1		
		A-1-b, GrSa with chunks of Wood, gry, Moist, Rec. = 0.7 ft		1-1-1-1 (2)	18.5	39.6	53.2	7.2		
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft		1-1-1-1 (2)	58.7	0.1	1.3	98.6	63	38
		A-7-6, Cl, gry, Moist								
20		Visual Description: Cl, gry, Moist, Rec. = 2.0 ft. Material similar as 27'-29'.		WH-WH- WH-WH	70.2					
30		A-7-6, Cl, gry, Wet, Rec. = 2.0 ft. Very wet & sloppy sample.		WR-WR- WR-WR	79.6	0.5	99.5	69	42	
40		Visual Description: Cl, gry, Moist, Rec. = 1.5 ft. Material similar as 47'-49'.		WR-WR- WR-WR	74.0					
50		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft		WR-WR- WR-WR	69.4	0.3	99.7	67	41	
		Visual Description: Cl, gry, Moist, Rec. = 2.0 ft. Material similar as 47'-49'.		WR-WR- WR-WR	50.9					

BORING LOG 2 NEW HAVEN BRF 0183(1) CPU: VERMONT.AGT.GDT 12/11/13

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_u 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 Pile Cap
Abutment 2
Elev. = 253.47

Pile Tip
Abutment 2
Elev. = 175.47

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
		NEW HAVEN BRF 0183(1) TH-2 BR-10		Page No.: 2 of 2		Pin No.: 10J070				
		Checked By: CCB								
Boring Crew: PORTER, DAVIDSON		Type: WB	Sampler: SS	Groundwater Observations						
Date Started: 4/30/12 Date Finished: 5/04/12		I.D.: 4 in	1.5 in	Date	Depth (ft)	Notes				
VTSPG NAD83: N 569670.33 ft E 1470011.41 ft		Hammer Wt: N.A.	140 lb.	05/04/12	5.1	Above Ground Level				
Station: 505+25 Offset: 31.80		Hammer Fall: N.A.	30 in.							
Ground Elevation: 259.7 ft		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK	C _u = 1.46							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blow(s) (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
65		A-4, ClSi, gry, Moist, Rec. = 2.0 ft		WR-WR- WR-WR	29.6	5.7	94.3	23	8	
70		Field Note: This area drills like small layers of sand								
75		A-2-4, SiGrSa, gry, Moist, Rec. = 0.4 ft. Lab Note: (HP)		51 (R)	12.8	30.2	40.9	28.9		
80		Field Note: Very hard drilling. Drills like rock. Water started flowing out of casing at 82.0 feet. Inserted 3 inch casing to advance. Some Cobbles were noticed during clean out.								
85		A-4, SaSi, gry, Moist, Rec. = 1.5 ft. Lab Note: (HP)		21-41-50 (R)	8.8	19.8	30.2	50.0		
90		A-4, SaGrSi, gm-brn, Moist, Rec. = 1.8 ft. Lab Note: (HP)		24-37- 37-50 (74)	7.7	29.7	26.6	43.7	17	5
95		Visual Description: SaGrSi, brn-gry, Moist, Rec. = 1.5 ft. Material similar as 92'-94'. Lab Note: (HP)		42-42-50 (R)	8.3					
100		Visual Description: GrSaSi, gry, Moist, Rec. = 1.8 ft. Material similar as 117'-119'. Lab Note: (HP)		13-20- 31-36 (51)	8.7					
105		A-4, GrSaSi, gry, Moist, Rec. = 2.0 ft		23-21- 30-42 (51)	7.6	25.7	36.8	37.5		
Hole stopped @ 119.0 ft										

BORING LOG 2 NEW HAVEN BRF 0183(1) CPU: VERMONT.AGT.GDT 12/11/13

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_u 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: NEW HAVEN
 PROJECT NUMBER: BRF 0183 (1)
 FILE NAME: z10J070bor.dgn
 PROJECT LEADER: G.K. DONINGTON
 DESIGNED BY: P. ARMANO
 BORING LOG SHEET 2

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

