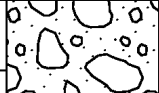
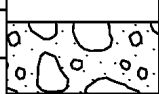
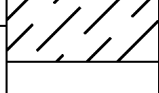
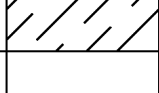
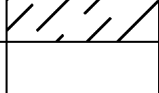
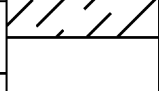
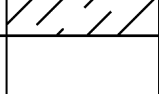
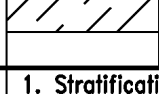
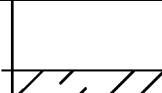
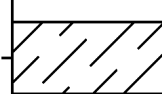
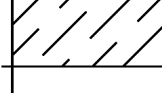
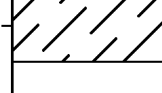
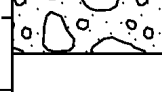
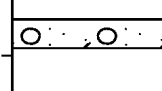


ABUTMENT I
BOTTOM OF
PILE CAP
EL 643.00

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102							
				CAMBRIDGE BRO 1448(39) TH-46 BR-28		Page No.: 1 of 2							
						Pin No.: 12J166							
						Checked By:							
Boring Crew: GARROW, DAIGNEAULT, WHITLOCK				Casing: WB		Sampler: SS							
Date Started: 2/04/13 Date Finished: 2/21/13				I.D.: 4 in		1.5 in							
VTSPG NAD83: N 761519.87 ft E 1545223.83 ft				Hammer Wt: N.A.		140 lb.							
Station: 23+50 Offset: 15.00				Hammer Fall: N.A.		30 in.							
Ground Elevation: 649.19 ft				Hammer/Rod Type: Auto/AWJ									
				Rig: CME 55 TRACK		CE = 1.46							
				02/21/13		4.3 AM							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (blp deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-1-b, SaGr, gry, Moist, Rec. = 1.2 ft, Broken Rocks were within sample.					7-31-27-22 (58)	8.2	47.0	37.9	15.1		
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.6 ft, Roots & Broken Rock were within sample.					10-3-20-9 (23)	19.2	51.1	27.5	21.4		
10		Field Note: NXDC, GrSa					2-4-7-5 (11)	14.0	48.8	30.3	20.9		
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.5 ft, Broken Rocks were within sample.					4-3-3-6 (6)						
		Field Note: No Recovery											
		Field Note: NXDC, SaSi											
20		A-4, Si, gry, MTW, Rec. = 0.9 ft					1-2-3-3 (5)	32.1	0.6	12.1	87.3		
							2-2-2-3 (4)	40.6		3.7	96.3	32	13
		A-6, SiCl, gry, MTW, Rec. = 1.4 ft											
30		A-6, SiCl, gry, Moist, Rec. = 0.7 ft, No N-Value data.						39.6	0.6	99.4	35	11	
		A-4, Si, gry, Moist, Rec. = 1.5 ft					WH-2-2-3 (4)	33.9		12.0	88.0		
40		A-6, SiCl, gry, Moist, Rec. = 2.0 ft					2-WH-WH-WH (WH)	33.9		1.8	98.2	35	11
		A-4, SaSi, gry, Moist, Rec. = 1.1 ft					2-4-5-7 (9)	30.9		26.8	73.2	25	6
50		A-4, Si, gry, Moist, Rec. = 1.4 ft					1-2-4-5 (6)	33.0		11.4	88.6		
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft					1-3-6-10 (9)	29.6		24.6	75.4		
		A-4, Si, gry, Moist, Rec. = 0.7 ft					2-5-5-4 (10)	33.4		16.7	83.3		
Notes:		1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. CE 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.											

BORING LOG 2 CAMBRIDGE BRO 1448(39).GPJ VERMONT AOT.GDT 3/12/13

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102							
				CAMBRIDGE BRO 1448(39) TH-46 BR-28		Page No.: 2 of 2							
						Pin No.: 12J166							
						Checked By:							
Boring Crew: GARROW, DAIGNEAULT, WHITLOCK				Casing: WB		Sampler: SS							
Date Started: 2/04/13 Date Finished: 2/21/13				I.D.: 4 in		1.5 in							
VTSPG NAD83: N 761519.87 ft E 1545223.83 ft				Hammer Wt: N.A.		140 lb.							
Station: 23+50 Offset: 15.00				Hammer Fall: N.A.		30 in.							
Ground Elevation: 649.19 ft				Hammer/Rod Type: Auto/AWJ									
				Rig: CME 55 TRACK		CE = 1.46							
				02/21/13		4.3 AM							
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (blp deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-4, Si, gry, Moist, Rec. = 0.5 ft					1-1-WH-WH (1)	33.5		1.8	98.2	29	2
70		A-4, Si, gry, Moist, Rec. = 1.2 ft					3-4-4-3 (8)	30.4		9.8	90.2	24	2
		A-4, SaSi, gry, Moist, Rec. = 1.2 ft					1-1-4-4 (5)	24.2		27.4	72.6		
80		A-4, SaSi, gry, Moist, Rec. = 1.4 ft					2-3-4-1 (7)	26.8		24.0	76.0		
90		Field Note: Cleaned out casing. Appears to be Gr Sa					7-2-3-5 (5)	9.8	35.7	39.2	25.1		
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.3 ft											
		Field Note: Cleaned out casing. Appears to be Gravel					31-R (R)	9.6	29.4	37.5	33.1		
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.7 ft											
100		102.0 ft - 107.0 ft, Silvery-green, Phyllite, Moderately soft, Moderately weathered, Poor rock, NXMDC, RMR = 25		1 (80)	54 (0)	6 6 5 6 5							
		107.0 ft - 112.0 ft, Silvery-green, Phyllite, Moderately soft, Slightly weathered, Poor rock, NXMDC, RMR = 25		2 (80)	94 (10)	6 6 7 6 7							
		Hole stopped @ 112.0 ft											
		Remarks: Ground surface elevation estimated from topographic plan.											
Notes:		1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. CE 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.											

BORING LOG 2 CAMBRIDGE BRO 1448(39).GPJ VERMONT AOT.GDT 3/12/13

PILE TIP
EL 547.19

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: BRO 1448 (39)

FILE NAME: si2ji66boring.dgn
PROJECT LEADER: K. HIGGINS
DESIGNED BY: G. LAROCHE
BORING LOG I

PLOT DATE: 29-AUG-2014
DRAWN BY: J. SALVATORI
CHECKED BY: G. LAROCHE
SHEET 14 OF 34