

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103						
		CAMBRIDGE BRO 1448(39) TH-46 BR-28		Page No.: 1 of 2		Pin No.: 12J166						
		Checked By:		Groundwater Observations								
Boring Crew: GARROW, DAIGNEAULT, WHITLOCK		Type: WB SS		Date								
Date Started: 2/25/13 Date Finished: 2/28/13		I.D.: 4 in 1.5 in		Depth (ft)								
VTSPG NAD83: N 761493.24 ft E 1545283.52 ft		Hammer Wt: N.A. 140 lb.		Notes								
Station: 24+07 Offset: -17.00		Hammer Fall: N.A. 30 in.		02/26/13 3.4 AM								
Ground Elevation: 648.64 ft		Hammer/Rod Type: Auto/AWJ		02/28/13 3.3 AM								
		Rig: CME 55 TRACK CE = 1.46										
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (dip deg.)	Core Rec. % (ROD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Field Note: Cleaned out casing										
		Field Note: No Recovery				2-3-2-4 (5)						
		Field Note: Lost Water Return at 6.0 ft.										
10		A-1-a, SaGr, brn, MTW, Rec. = 0.5 ft, Broken Rock was within sample.				4-4-4-6 (8)	15.9	59.1	33.5	7.4		
		Field Note: Cleaned out casing. Appears to be SaSi										
		A-4, Si, gry, MTW, Rec. = 1.2 ft, A very thin layer of Clay was noticeable.				2-3-3-5 (6)	32.0	0.3	4.5	95.2		
20		A-4, Cisi, gry, MTW, Rec. = 2.0 ft				1-WH-WH-1 (WH)	32.9	5.6	94.4	27	7	
		A-4, Cisi, gry, MTW, Rec. = 1.4 ft				2-1-2-2 (3)	36.8	7.8	92.2	29	10	
30		A-4, Cisi, gry, MTW, Rec. = 1.6 ft, Regained Water Return at 29.0 ft.				1-WH-1-1 (1)	56.9	6.1	93.9	30	9	
		A-4, SaSi, gry, MTW, Rec. = 1.5 ft				1-3-6-3 (9)	31.2	22.1	77.9			
		Field Note: Cleaned out casing. Appears to be Si Sa										
40		A-4, Cisi, gry, MTW, Rec. = 1.2 ft				4-5-4-4 (9)	38.4	0.1	11.3	88.6	28	9
		A-4, Si, gry, MTW, Rec. = 1.8 ft, A very thin layer of Clay was noticeable.				2-2-3-3 (5)	34.5	11.7	88.3			
50		A-4, SaSi, gry, MTW, Rec. = 1.0 ft				2-2-3-3 (5)	30.1	43.2	56.8			
		A-4, Si, gry, MTW, Rec. = 1.4 ft				2-3-2-2 (5)	33.0	15.2	84.8			
		A-4, Si, gry, MTW, Rec. = 2.0 ft				WH-WH WH-2 (WH)	36.0	2.0	98.0	31	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. 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.

ABUTMENT 2
BOTTOM OF
PILE CAP
EL 643.25

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

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103						
		CAMBRIDGE BRO 1448(39) TH-46 BR-28		Page No.: 2 of 2		Pin No.: 12J166						
		Checked By:		Groundwater Observations								
Boring Crew: GARROW, DAIGNEAULT, WHITLOCK		Type: WB SS		Date								
Date Started: 2/25/13 Date Finished: 2/28/13		I.D.: 4 in 1.5 in		Depth (ft)								
VTSPG NAD83: N 761493.24 ft E 1545283.52 ft		Hammer Wt: N.A. 140 lb.		Notes								
Station: 24+07 Offset: -17.00		Hammer Fall: N.A. 30 in.		02/26/13 3.4 AM								
Ground Elevation: 648.64 ft		Hammer/Rod Type: Auto/AWJ		02/28/13 3.3 AM								
		Rig: CME 55 TRACK CE = 1.46										
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (dip deg.)	Core Rec. % (ROD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-4, SaSi, gry, MTW, Rec. = 2.0 ft, A very thin layer of Clay was noticeable.				WH-1-WH-1 (1)	26.5	0.1	27.5	72.4		
70		A-4, Si, gry, MTW, Rec. = 1.8 ft				1-WH-1-2 (1)	29.0	18.2	81.8			
		Field Note: Cleaned out casing. Appears to be Sa Gr										
80		A-1-b, SiSaGr, gry, Moist, Rec. = 0.4 ft				10-7-1-2 (8)	9.3	45.2	34.6	20.2		
		Field Note: Cleaned out casing. Appears to be Sa										
90		Field Note: No Recovery				8-27-20-16 (47)						
		Field Note: No Recovery				R@6.0"						
100		98.2 ft - 102.2 ft, Soft, Broken, Weathered Rock. Poor rock, NXDC										
		102.2 ft - 107.2 ft, Silvery-green, Quartz-muscovite-chlorite Schist, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 56				1 (80)	100 (62)	4	5	5		
110		107.2 ft - 112.2 ft, Silvery-green, Quartz-muscovite-chlorite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 63				2 (80)	100 (92)	5	7	7		
		Hole stopped @ 112.2 ft										
		Remarks: Ground surface elevation estimated from topographic plan.										

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PILE TIP
EL 546.44

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

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: BRO 1448 (39)
FILE NAME: s12j166boring.dgn PLOT DATE: 29-AUG-2014
PROJECT LEADER: K. HIGGINS DRAWN BY: J. SALVATORI
DESIGNED BY: G. LAROCHE CHECKED BY: G. LAROCHE
BORING LOG 2 SHEET 15 OF 34