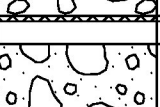
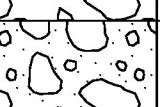


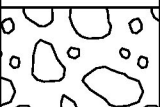
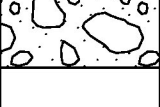
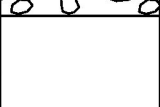
ABUT. I BTM.
ELEV. 472.00

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102					
				BRADFORD BF 0191(29) VT-25B BR-1		Page No.: 1 of 2					
						Pin No.: 13C054					
						Checked By: BLS					
Boring Crew: DAIGNEAULT, GARROW, NIETO				Casing		Sampler					
Date Started: 6/30/14 Date Finished: 7/02/14				WB		SS					
VTSPG NAD83: N 542336.83 ft E 1735402.24 ft				I.D.: 4 in		1.5 in					
Station: 14+13 Offset: 20.90				Hammer Wt: N.A.		140 lb.					
Ground Elevation: 472.6 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)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		A-3, Sa with sticks, brn, Moist, Rec. = 0.5 ft				WH-1-4 (1)	9.9	6.3	83.7	10.0	
		Field Note: No Recovery				2-2-2-2 (4)					
		A-2-4, Sa, brn, Moist, Rec. = 0.3 ft				3-2-2-2 (4)	10.8	1.5	82.8	15.7	
		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft				6-5-2-5 (7)	7.6	27.0	62.4	10.6	
10		A-4, GrSaSi, gry, MTW, Rec. = 0.4 ft				30.0	21.0	26.8	52.2		
		A-1-b, SaGr, gry, Wet, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				7-13-19-16 (32)	14.0	46.1	44.8	9.1	
		A-1-a, SaGr, brn-gry, Wet, Rec. = 1.1 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				10-6-8-33 (14)	13.6	50.1	42.0	7.9	
		Field Note: No Recovery				R@1.0" (R)					
15		Field Note: NXDC, Cleaned out casing., Appears to be Gravel.									
		A-1-a, SaGr, gry, Wet, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				15-7-28-26 (35)	11.1	55.8	34.4	9.8	
		A-1-a, SaGr, brn, Wet, Rec. = 0.5 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				28-20-11-5 (31)	11.9	55.3	36.0	8.7	
		A-1-b, GrSa, brn, Wet, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				4-3-5-7 (8)	13.8	45.4	46.5	8.1	
20		A-1-b, GrSa, brn, Wet, Rec. = 0.6 ft				7-5-5-5 (10)	12.7	41.0	46.5	12.5	
		Field Note: NXDC, Cleaned out casing., Appears to be Cobbles.									
		A-1-a, SaGr, brn, MTW, Rec. = 0.4 ft				6-3-4-4 (7)	12.9	50.4	37.5	12.1	
		Field Note: NXDC, Cleaned out casing., Appears to be Cobbles.									
30		Field Note: NXDC, Cleaned out casing., Appears to be Cobbles.									
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				7-7-8-18 (15)	14.1	32.4	52.0	15.6	
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: No Recovery									
35		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: No Recovery									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
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.											

BORING LOG 2 BRADFORD BF 0191(29).GPJ VERMONT AOT.GDT 8/6/14

EST. PILE TIP

EST. LENGTH = 63'

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102					
				BRADFORD BF 0191(29) VT-25B BR-1		Page No.: 2 of 2					
						Pin No.: 13C054					
						Checked By: BLS					
Boring Crew: DAIGNEAULT, GARROW, NIETO				Casing		Sampler					
Date Started: 6/30/14 Date Finished: 7/02/14				WB		SS					
VTSPG NAD83: N 542336.83 ft E 1735402.24 ft				I.D.: 4 in		1.5 in					
Station: 14+13 Offset: 20.90				Hammer Wt: N.A.		140 lb.					
Ground Elevation: 472.6 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)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
45		A-1-a, SaGr, brn-white, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.									
		Field Note: NXDC, Cleaned out casing., Appears to be a Boulder.									
		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.									
		Field Note: NXDC, Cleaned out casing., Appears to be Cobbles.									
50		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.									
		Field Note: NXDC, Cleaned out casing., Appears to be Silty Sand.									
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.									
		Field Note: NXDC, Cleaned out casing.									
60		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.									
		Field Note: NXDC, Cleaned out casing., Appears to be a Boulder with Cobbles.									
		63.5 ft - 68.5 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Good rock, NXMDC, RMR=61									
		68.5 ft - 73.5 ft, Gray to light gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained. Hard, Unweathered, Fair rock, NXMDC, RMR=57									
65		Top of Bedrock @ 63.5 ft									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: No Recovery									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
70		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: No Recovery									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
75		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: No Recovery									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
		Field Note: NXDC, Cleaned out casing., Appears to be Gravel & Cobbles.									
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.											

BORING LOG 2 BRADFORD BF 0191(29).GPJ VERMONT AOT.GDT 8/6/14

PROJECT NAME: BRADFORD	
PROJECT NUMBER: BF 0191 (29)	
FILE NAME: sl3c054bor.dgn	PLOT DATE: 15-SEP-2016
PROJECT LEADER: C. CARLSON	DRAWN BY: G. ROY
DESIGNED BY: G. ROY	CHECKED BY: M. EVANS-MONGEON
BORING LOGS (2)	SHEET 25 OF 71