

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101		
		CHARLOTTE F EGC 019-4(20)		Page No.: 1 of 1		
Boring Crew: Drilex Environmental - Chris		Type:	Casing	Sampler	Groundwater Observations	
Date Started: 2/03/15	Date Finished: 2/03/15	I.D.:	H.S.A.	SS	Date	Depth (ft)
VTSPG NAD83: N 646866.48 ft E 1448175.97 ft		Hammer Wt:	N.A.	140 lb.	02/03/15	6.0
Station: 0+54.00	Offset: 12.7RT	Hammer Fall:	N.A.	30 in.	02/03/15	8.0
Ground Elevation: 227.0 ft		Hammer/Rod Type:	Auto		02/04/15	6.0
		Rig:	Diedrich D-50	CE = 1.33		18 hr AB

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SIGrSa roots, brown, Rec. = 1.5 ft, frozen (Topsoil)	30-13-5-6 (18)	21.7	38.0	40.9	21.1
		A-1-b, SaGr, brown Rec. = 0.92 ft	8-9-5-4 (14)	9.9	56.8	28.8	14.4
		A-4, Si, brown, Rec. = 1.08 ft, (ALLUVIUM)	4-5-12-13 (17)	11.9	18.0	16.3	65.7
		A-2-4, Sa, brown, Rec. = 1.83 ft	7-6-5-6 (11)	11.7	19.5	70.0	10.5
		A-4, SaSi, brown, Rec. = 1.58 ft	3-4-8-6 (12)	11.7	18.8	38.0	43.2
10		A-4, GrSaSi, brown, Rec. = 1.42 ft	6-12-16-25/0 (28)	11.1	21.5	38.4	40.1
		A-2-4, Sa, brown, Rec. = 1.42 ft	19-24-24-50/3 (48)	15.8	14.9	71.2	13.9
		A-1-b, SiSaGr, brown		8.2	46.3	30.5	23.2
15		Auger refusal at 13.75 feet. Relocate boring 5 feet north					
		A-1-a, SaGr, gray, Rec. = 1.25 ft	13-37-27-38 (64)	7.6	63.9	25.1	11.0
		A-2-4, GrSiSa, gray, (TILL)		10.2	24.3	41.3	34.4
20		Cobble 17 to 18 feet					
		A-4, SaSi, gray, Rec. = 1.42 ft	9-18-29-20 (47)	11.8	16.5	37.9	45.6
25		A-2-4, Sa, dark gray, Rec. = 1.33 ft	19-30-23-24 (53)	14.8	12.2	74.0	13.8
		A-1-a, SaGr, red-pink		7.6	58.2	27.5	14.3
		Auger refusal at 29.0 feet					
30		Hole stopped @ 29.0 ft					

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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. CE is an estimated value.  
3. Water level readings have been made at times and under conditions stated.  
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VADT.



STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102		
		CHARLOTTE F EGC 019-4(20)		Page No.: 1 of 1		
Boring Crew: Drilex Environmental - Chris		Type:	Casing	Sampler	Groundwater Observations	
Date Started: 2/04/15	Date Finished: 2/04/15	I.D.:	H.S.A.	SS	Date	Depth (ft)
VTSPG NAD83: N 646891.55 ft E 1448267.09 ft		Hammer Wt:	N.A.	140 lb.	02/04/15	6.0
Station: 1+54.00	Offset: 18.9RT	Hammer Fall:	N.A.	30 in.	02/04/15	8.0
Ground Elevation: 228.5 ft		Hammer/Rod Type:	Auto			
		Rig:	Diedrich D-50	CE = 1.33		

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		SiSa, roots, brown, upper 6-inches frozen (Topsoil), brown, Rec. = 1.0 ft	5-2-5-6 (7)	45.8	3.1	55.4	41.5
		A-4, GrSiSa, gray to brown, Rec. = 1.08 ft, (ALLUVIUM)	5-5-5-13 (10)	15.0	26.3	37.9	35.8
		A-4, GrSiSa, brown, Rec. = 0.58 ft	21-15-15-11 (30)	10.7	21.2	40.3	38.5
		A-4, SaSi, brown, Rec. = 1.83 ft	10-5-5-3 (10)	11.8	19.9	37.5	42.6
		A-4, SiSa, gray		10.4	19.8	40.7	39.5
		A-4, SaSi, gray, Rec. = 1.25 ft	1-1-1-1 (2)	11.7	19.1	39.7	41.2
10		A-4, SaSi, gray, Rec. = 1.83 ft, Cobbles 12 to 20 feet	2-1-2-1 (3)	11.5	18.6	39.7	41.7
15		A-1-b, SiSaGr, gray, Rec. = 0.83 ft, (TILL)	16-17-20-19 (37)	8.0	48.9	27.4	23.7
20		A-2-4, GrSiSa, gray, Rec. = 1.0 ft	14-20-27-31 (47)	8.4	28.2	37.7	34.1
25		A-2-4, GrSiSa, gray, Rec. = 1.25 ft	9-45-55-57 (100)	9.9	20.2	45.6	34.2
30		A-2-4, SiGrSa, gray, Rec. = 0.17 ft	78-54/6 (54)	10.8	29.2	45.0	25.8
		Hole stopped @ 31.0 ft					

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3. Water level readings have been made at times and under conditions stated.  
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VADT.



PROJECT NAME: CHARLOTTE	PLOT DATE: 15-MAR-2016
PROJECT NUMBER: F EGC 019-4(20)	DRAWN BY: L. BUXTON
FILE NAME: \$FILES*	CHECKED BY: G. BOGUE
PROJECT LEADER: G. BOGUE	SHEET 17 OF 499
DESIGNED BY: T. KNIGHT	
BORING LOGS	

