



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING LOG

CHARLOTTE
 F EGC 019-4(20)

Boring No.: 8-101

Page No.: 1 of 1

Pin No.: 784062

Checked By: ASP

Boring Crew: Drilex Environmental - Chris
 Date Started: 2/03/15 Date Finished: 2/03/15
 VTSPG NAD83: N 646866.48 ft E 1448175.97 ft
 Station: 54.00 Offset: 12.7RT
 Ground Elevation: 227.0 ft

Type: H.S.A. SS
 I.D.: 4.25 in 1.38 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto
 Rig: Diedrich D-50 CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
02/03/15	6.0	WD
02/03/15	8.0	AB
02/04/15	6.0	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, SoGr, 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
10		A-2-4, Sa, brown, Rec. = 1.83 ft	7-8-5-6 (11)	11.7	19.5	70.0	10.5
		A-4, SoSi, brown, Rec. = 1.58 ft	3-4-8-6 (12)	11.7	18.8	38.0	43.2
		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	19-24-24-50/5* (48)	15.8	14.9	71.2	13.9
15		A-1-b, SiSoGr, brown		8.2	46.3	30.5	23.2
		Auger refusal at 13.75 feet. Relocate boring 5 feet north					
		A-1-a, SoGr, gray, Rec. = 1.25 ft A-2-4, GrSiSo, gray, (TILL)	13-37-27-38 (64)	7.6	63.9	25.1	11.0
20		Cobble 17 to 18 feet					
		A-4, SoSi, 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, SoGr, red-pink		7.6	58.2	27.5	14.3
30		Auger refusal at 29.0 feet					
		Hole stopped @ 29.0 ft					

Notes:

1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. GC is the hammer energy correction factor. GC is an estimated value.
3. Moisture content readings have been made at fines and under conditions stated.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by T&E.



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BORING LOG

CHARLOTTE
 F EGC 019-4(20)

Boring No.: 8-102
 Page No.: 1 of 1
 Pin No.: 784062
 Checked By: ASP

Boring Crew: Drilex Environmental - Chris
 Date Started: 2/04/15 Date Finished: 2/04/15
 VTSPG NAD83: N 646891.55 ft E 1448267.09 ft
 Station: 1+54.00 Offset: 18.9RT
 Ground Elevation: 228.5 ft

Type: H.S.A. Sampler: SS
 I.D.: 4.25 in 1.38 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto
 Rig: Diedrich D-50 CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
02/04/15	6.0	WD
02/04/15	8.0	AB

Depth (ft)	Strata (i)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		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
5		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					

- Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. If values have not been corrected for hammer energy, CE is the hammer energy correction factor. CE is an estimated value.
 3. Moisture and gradings have been made of fines and under conditions stated.
 4. Fluctuations of groundwater may occur due to other factors than those presented at the time measurements were made.
 5. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by WSP.

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