



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

BORING LOG
CABOT-DANVILLE
FEGC-F 028-3(26) C/2
US-2 BR-87

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 78D347
Checked By: LAR

Boring Crew: PORTER, RIPLEY
Date Started: 7/31/12 Date Finished: 8/01/12
VTSPG NAD83: N 681881.70 ft E 1700529.30 ft
Station: 14+60 Offset: 25.00
Ground Elevation: 1428.95 ft

Casing: WB Sampler: SS
Type: WB I.D.: 3 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
08/01/12	6.0	AM
08/03/12	11.8	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5		Field Note:, No Recovery	4-4-6-6 (10)						
10		Field Note:, No Recovery, Traces of Wood & Sand.	4-5-4-2 (9)						
		A-2-4, SiSa, gry-brn, MTW, Rec. = 1.2 ft, Wood pieces were within sample.	3-2-2-2 (4)	46.2	0.5	64.0	35.5		
		Field Note:, Boulder							
15		Field Note:, Cobbles							
		A-4, SaSi, gry, MTW, Rec. = 1.2 ft	2-2-2-3 (4)	13.8	16.3	28.6	55.1		
		A-4, SaGrSi, gry, MTW, Rec. = 0.8 ft	9-7-8-13 (15)	12.4	27.0	23.9	49.1		
20		A-2-4, GrSiSa, gry, Moist, Rec. = 0.5 ft	15-R@2.5"	12.3	28.9	36.8	34.3		
		A-4, SaSi, gry, Moist, Rec. = 1.1 ft	11-14-12-12 (26)	12.9	15.2	24.1	60.7		
25		Visual Description:, Si, gry, Moist, Rec. = 1.5 ft, Material similar as 26-28 ft.	8-8-11-12 (19)	20.2					
		A-4, Si, gry, Moist, Rec. = 1.6 ft	6-9-11-11 (20)	25.7		3.2	96.8		
		Visual Description:, Si, gry, Moist, Rec. = 1.3 ft, Material similar as 26-28 ft.	7-6-9-10 (15)	27.3					
30		A-4, Si, gry, Moist, Rec. = 1.4 ft	5-7-10-10 (17)	27.0		1.5	98.5		
		Visual Description:, Si, gry, Moist, Rec. = 1.9 ft, Material similar as 34-36 ft.	7-19-21-21 (40)	25.2					
35		A-4, Si, gry, Moist, Rec. = 2.0 ft	10-12-17-19 (29)	26.7		1.2	98.8	31	3
		Visual Description:, Si, gry, Moist, Rec. = 2.0 ft, Material similar as 34-36 ft.	8-10-12-18 (22)	29.6					
40		A-4, Si, gry, Moist, Rec. = 1.5 ft	9-13-18-28 (31)	30.0		0.4	99.6		
Hole stopped @ 40.0 ft									
Remarks: 1. Very thin layers of clay were noticeable from 26-40 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. 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 CABOT-DANVILLE FEGC-F 028-3(26)C-2.GPJ VERMONT AOT.GDT 9/7/12



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

BORING LOG

CABOT-DANVILLE
 FEGC-F 028-3(26) C/2
 US-2 BR-87

Boring No.: B-104
 Page No.: 1 of 1
 Pin No.: 78D347
 Checked By: LAR

Boring Crew: PORTER, RIPLEY
 Date Started: 8/02/12 Date Finished: 8/03/12
 VTSPG NAD83: N 681951.60 ft E 1700612.01 ft
 Station: 15+40 Offset: -32.00
 Ground Elevation: 1428.45 ft

Casing: WB
 Sampler: SS
 I.D.: 3 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C TRACK CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
08/03/12	6.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-4, SiSa, gry-brn, Moist, Rec. = 1.3 ft, Chunks of Wood were within sample.	2-1-2-12 (3)	38.0	11.5	50.9	37.6
		A-1-a, SaGr, gry, MTW, Rec. = 1.1 ft, Pieces of Wood & Broken Rock were within sample.	5-7-10-10 (17)	13.8	65.0	26.0	9.0
10		A-4, SaGrSi, gry, MTW, Rec. = 1.0 ft	12-33-10-10 (43)	10.4	30.1	25.1	44.8
		A-4, GrSaSi, gry, Moist, Rec. = 0.9 ft, Broken Rock was within sample.	7-7-3-5 (10)	12.1	25.7	28.1	46.2
		Visual Description:, GrSaSi, gry, MTW, Rec. = 1.4 ft, Material similar as 11-13 ft.	20-12-21-16 (33)	12.9			
15		A-4, SaSi, gry, MTW, Rec. = 1.8 ft	5-7-6-7 (13)	16.3	9.5	23.3	67.2
		Visual Description:, SaSi, gry, MTW, Rec. = 1.4 ft, Material similar as 15-17 ft.	48-11-21-18 (32)	13.2			
20		A-4, Si, gry, MTW, Rec. = 1.7 ft	15-20-18-16 (38)	14.8	15.1	18.8	66.1
25		A-4, Si, gry, MTW, Rec. = 1.9 ft	8-9-11-14 (20)	25.9	0.5	2.7	96.8
30		A-4, Si, gry, MTW, Rec. = 1.9 ft	9-11-17-18 (28)	23.2	3.3	4.4	92.3

Hole stopped @ 30.0 ft

Remarks:
 1. Very thin layers of clay were noticeable from 23-30 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. 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.