



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

BORING LOG
 CABOT-DANVILLE
 FECC-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							

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 FECC-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	Boring No.: <u>B-104</u>
	Page No.: <u>1 of 1</u>
CABOT-DANVILLE FEGC-F 028-3(26) C/2 US-2 BR-87	Pin No.: <u>78D347</u>
	Checked By: <u>LAR</u>

Boring Crew: <u>PORTER, RIPLEY</u>	Casing: <u>WB</u> Sampler: <u>SS</u>	Groundwater Observations		
Date Started: <u>8/02/12</u> Date Finished: <u>8/03/12</u>	Type: <u>WB</u> I.D.: <u>3 in</u>	Date	Depth (ft)	Notes
VTSPG NAD83: <u>N 681951.60 ft E 1700612.01 ft</u>	Hammer Wt: <u>N.A.</u> <u>140 lb.</u>	<u>08/03/12</u>	<u>6.0</u>	<u>AM</u>
Station: <u>15+40</u> Offset: <u>-32.00</u>	Hammer Fall: <u>N.A.</u> <u>30 in.</u>			
Ground Elevation: <u>1428.45 ft</u>	Hammer/Rod Type: <u>Auto/AWJ</u>			
	Rig: <u>CME 45C TRACK</u> <u>CE = 1.34</u>			

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) R@5.0"	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.

BORING LOG 2 CABOT-DANVILLE FEGC-F 028-3(26)C-2.GPJ VERMONT AOT.GDT 9/7/12



BORING LOG

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

Boring No.: **B-205**
Page No.: **1 of 2**
Pin No.: **78d347**
Checked By: **END**

Boring Crew: JUDKINS, HOOK
Date Started: 11/16/15 Date Finished: 11/17/15
VTSPG NAD83: N 681931.00 ft E 1700535.32 ft
Station: 14+69.4 Offset: -21.75
Ground Elevation: 1426.1 ft

Type: _____
I.D.: 4 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 C = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
11/12/15	6.4	W.T. During Drilling
11/13/15	7.9	W.T. During Drilling
11/17/15	7.2	W.T. During Drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(N Value)	Moisture Content %	Gravel %	Sand %	Fines %
10		A-2-4, SiGrSa, Dk/gry, Moist, Rec. = 1.1 ft, Lab Note: Sticks and plant roots were within sample.	WH-1-1-3	14.7	21.0	58.1	20.9
		A-4, SiSa, Dk/gry, Moist, Rec. = 1.2 ft	WH-WH-1-1	25.4	0.1	57.7	42.2
		A-2-4, SiSa, Dk/gry, Moist, Rec. = 2.0 ft	1-1	32.8	0.5	69.9	29.6
		A-4, SiSa, brn-gry, Moist, Rec. = 1.1 ft, Lab Note: Small pieces of wood were within sample.	1-2-1-1	26.5	13.5	50.7	35.8
		A-2-4, Sa, brn, Wet, Rec. = 1.0 ft, Lab Note: Broken rock and small pieces of wood were within sample.	4	45.6	15.4	69.3	15.3
		A-4, SaGrSi, gry, Moist, Rec. = 0.5 ft	6-8-6	11.1	28.5	27.5	44.0
		A-2-4, Sa, brn, Wet, Rec. = 1.0 ft	6-9-11-8	44.9	17.2	63.6	19.2
		Field Note: Cleanout with NXDC	19-15-13-18	11.7	33.2	32.8	34.0
		A-2-4, SaGrSi, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample.	28	10.2	41.2	22.3	36.5
		A-4, SaSiGr, gry, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample.	9-4-8-5				
20		Field Note: Cleanout with NXDC	12-26-32-20	10.7	46.2	20.8	33.0
		Field Note: No Recovery	58				
		A-2-4, SaSiGr, gry, Moist, Rec. = 1.1 ft, Lab Note: Broken rock was within sample.	27-27-	10.2	38.5	24.4	37.1
		A-4, SaSiGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample.	37-R@1"				
		A-4, SaGrSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Broken rock was within sample.	64	10.7	35.8	22.2	42.0
		Field Note: Cleanout with NXDC	14-17-20-24				
		A-4, Si, gry, Moist, Rec. = 1.6 ft	10-10-	22.3	0.9	9.0	90.1
		Field Note: Cleanout with NXDC	15-16				
		A-4, Si, gry, Moist, Rec. = 1.7 ft	25	24.9	0.3	6.6	93.1
			4-8-8-13	16			
30		Field Note: Cleanout with roller cone					
		A-4, Si, gry, Moist, Rec. = 1.5 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	5-9-11-16	32.2	0.1	1.1	98.8
		Field Note: Cleanout with roller cone	20				
		Field Note: Cleanout with roller cone					
		A-4, Si, gry, Moist, Rec. = 1.6 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	6-12-14-22	29.1		1.6	98.4
		Field Note: Cleanout with roller cone	26				
		Field Note: Cleanout with roller cone					
		A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	5-9-14-18	30.0		0.6	99.4
		Field Note: Cleanout with roller cone	23				
		Field Note: Cleanout with NXDC	15				
50		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	5-9-12-15	30.8	0.5	0.6	98.9
		Field Note: Cleanout with NXDC	21				
		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	6-13-15-19	29.7		0.3	99.7

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 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

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

Boring No.: **B-205**
Page No.: **2 of 2**
Pin No.: **78d347**
Checked By: **END**

Boring Crew: JUDKINS, HOOK
Date Started: 11/16/15 Date Finished: 11/17/15
VTSPG NAD83: N 681931.00 ft E 1700535.32 ft
Station: 14+69.4 Offset: -21.75
Ground Elevation: 1426.1 ft

Type: _____
I.D.: 4 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 C = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
11/12/15	6.4	W.T. During Drilling
11/13/15	7.9	W.T. During Drilling
11/17/15	7.2	W.T. During Drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(N Value)	Moisture Content %	Gravel %	Sand %	Fines %
60		Field Note: Cleanout with roller cone	(28)				
		A-4, Si, gry, Moist, Rec. = 1.7 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	6-11-15-21	32.0	0.1	0.6	99.3
		Field Note: Cleanout with roller cone	(26)				
		A-4, Si, gry, Moist, Rec. = 0.8 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	8-3.5"	23.6	6.9	5.9	87.2
		Field Note: Cleanout with NXDC	R@0"				
		Field Note: No Recovery	R@0"				
		Field Note: Cleanout with NXDC					
		Field Note: No Recovery	R@3.5"				
		Field Note: Cleanout with NXDC					
		Field Note: No Recovery	R@1"				
80		Field Note: Cleanout with NXDC					
		Field Note: No Recovery	R@5"				
		Field Note: Cleanout with NXDC					
		Field Note: No Recovery	R@0"				
		Field Note: Cleanout with NXDC					
		Field Note: No Recovery	R@2.5"				
		Field Note: Cleanout with NXDC					
		A-4, GRISa, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample	R@5"	9.2	24.8	32.0	43.2
		Hole stopped @ 95.4 ft					
		Remarks: Hole Collapsed at 28.2 feet. 1.) Appears to be Si Sa with cobbles and boulders 65.0 feet to 95.0 feet. 2.) 30 feet of casing broke off and remains in the ground.					

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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 CABOT-DANVILLE FECC-F 028-3(26) C/2-GPJ VERMONT AOT.GDT 12/30/15

BORING LOG 2 CABOT-DANVILLE FECC-F 028-3(26) C/2-GPJ VERMONT AOT.GDT 12/30/15



BORING LOG

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

Boring No.: **B-206**

Page No.: 1 of 2

Pin No.: 78d347

Checked By: END

Boring Crew: NIETO, JUDKINS, GARROW
Date Started: 11/30/15 Date Finished: 12/08/15
VTSPG NAD83: N 681890.21 ft E 1700537.16 ft
Station: 14+63.6 Offset: 18.21
Ground Elevation: 1429.83 ft

Type:	Casing		Sampler		Groundwater Observations		
	WB	SS	Date	Depth (ft)	Notes		
I.D.:	4 in	1.5 in					
Hammer Wt:	N.A.	140 lb.	12/01/15	8.9	W.T. before drilling		
Hammer Fall:	N.A.	30 in.	12/07/15	10.1	W.T. before drilling		
Hammer/Rod Type:	Auto/AWJ						
Rig:	CME 55 TRACK	C = 1.46	12/08/15	10.5	W.T. after drilling		

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.85 ft					
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.2 ft	10-15-11-10 (26)	10.0	33.5	45.4	21.1
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.1 ft	9-8-9-8 (17)	9.7	21.7	56.8	21.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	9-8-7-9 (15)	8.7	16.9	60.6	22.5
		A-2-4, SiGrSa, brn, Wet, Rec. = 0.4 ft	5-5-5-6 (10)	18.7	28.8	50.4	20.8
10		A-2-4, GrSa, brn, MTW, Rec. = 1.2 ft, Lab Note: Pieces of wood were within sample.	4-3-2-7 (5)	17.3	25.8	56.9	17.3
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample.	39-20-R@ (R)	11.8	49.2	39.9	10.9
		Field Note: Cleaned out casing	2-2-2-WH (4)				
		Field Note: No Recovery	2-5-5-4 (10)				
		Field Note: Cleaned out casing	4-5-16-50 (21)	10.6	35.5	28.2	36.3
20		A-4, SaGrSi, gry, Moist, Rec. = 0.7 ft, Lab Note: Sample tested non-plastic. A small amount of clay was within sample.	17-9-4-5 (13)	16.7	6.3	26.5	67.2
		Field Note: Cleaned out casing	7-9-13-15 (22)	13.9	10.5	25.2	64.3
		A-4, SaSi, gry, Moist, Rec. = 0.6 ft, Lab Note: Sample tested non-plastic.	17-17-17-13 (34)	12.6	18.1	24.5	57.4
		A-4, SaSi, gry, Moist, Rec. = 1.3 ft	12-9-10-13 (19)	20.0	9.0	12.2	78.8
		Field Note: Cleaned out with NXDC	4-8-12-18 (20)	26.1	1.8	5.8	92.4
30		A-4, Si, gry, Moist, Rec. = 1.4 ft, Lab Note: Sample tested non-plastic. A small amount of clay was within sample.	7-9-12-18 (21)	29.3	0.4	2.6	97.0
		Field Note: Cleaned out with NXDC	8-12-18-16 (30)	30.4		2.2	97.8
40		A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	7-11-12-16 (23)	32.3	0.2	3.1	96.7
		Field Note: Cleaned out with NXDC					
50		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.					

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 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

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

Boring No.: **B-206**

Page No.: 2 of 2

Pin No.: 78d347

Checked By: END

Boring Crew: NIETO, JUDKINS, GARROW
Date Started: 11/30/15 Date Finished: 12/08/15
VTSPG NAD83: N 681890.21 ft E 1700537.16 ft
Station: 14+63.6 Offset: 18.21
Ground Elevation: 1429.83 ft

Type:	Casing		Sampler		Groundwater Observations		
	WB	SS	Date	Depth (ft)	Notes		
I.D.:	4 in	1.5 in					
Hammer Wt:	N.A.	140 lb.	12/01/15	8.9	W.T. before drilling		
Hammer Fall:	N.A.	30 in.	12/07/15	10.1	W.T. before drilling		
Hammer/Rod Type:	Auto/AWJ						
Rig:	CME 55 TRACK	C = 1.46	12/08/15	10.5	W.T. after drilling		

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: Cleaned out with NXDC					
60		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	6-10-14-17 (24)	30.7	0.2	1.8	98.0
		Field Note: Cleaned out with NXDC					
70		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic. Thin layers of clay were within sample.	7-16-26-34 (42)	27.3	0.3	5.9	93.8
		Field Note: Cleaned out with NXDC					
80		A-1-b, SaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Broken rock was within sample.	R@3.5" (R)	14.1	50.4	34.4	15.2
		Field Note: Cleaned out with NXDC					
90		Field Note: No Recovery, Appears to be Si Sa	R@2.5" (R)				
		Field Note: Cleaned out with NXDC					
100		A-4, SaSi, gry-Lt/brn, Moist, Rec. = 0.7 ft	48-R@2.5" (R)	40.3	16.1	41.8	42.1
		Hole stopped @ 100.7 ft					
		Remarks: Hole Collapsed at 30.2 feet.					

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 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 CABOT-DANVILLE FEGC-F 028-3(26) C/2, GP1, VERMONT AOT.GIT 12/30/15

BORING LOG 2 CABOT-DANVILLE FEGC-F 028-3(26) C/2, GP1, VERMONT AOT.GIT 12/30/15



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

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

Boring No.: **B-207**
Page No.: **1 of 2**
PIn No.: **78d347**
Checked By: **END**

Boring Crew: JUDKINS, HOOK
Date Started: 11/18/15 Date Finished: 11/20/15
VTSPG NAD83: N 681895.49 ft E 1700580.40 ft
Station: 15+7.35 Offset: 18.92
Ground Elevation: 1429.83 ft

Type: _____ Casing WB Sampler SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK C = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
11/19/15	8.1	W.T. during drilling
11/20/15	7.7	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 0.94 ft							
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	7-10-10-9 (20)	8.7	37.6	46.2	16.2		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft	14-9-6-8 (15)	12.4	29.1	44.3	26.6		
		A-4, SaSi, brn, Moist, Rec. = 1.1 ft	6-2-3-2 (5)	28.1	5.7	44.8	49.5		
		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft	3-3-3-3 (6)	26.0	2.5	72.7	24.8		
10		A-4, SiSa, Dk/gry, Moist, Rec. = 2.0 ft, Lab Note: Wood fibers and pieces of wood were within sample.	3-2-3-2 (5)	38.9	1.8	57.3	40.9		
		A-2-4, SiSa, Dk/gry, Moist, Rec. = 1.3 ft, Lab Note: Wood fibers were within sample.	2-20-13-5 (33)	44.7	0.1	76.5	23.4		
		Field Note: Clean out with NXDC							
		Field Note: No Recovery							
		Field Note: Clean out with NXDC							
		Field Note: No Recovery							
		Field Note: Clean out with NXDC							
20		A-4, SaSi, gry, Moist, Rec. = 1.0 ft	12-5-6-5 (11)	14.1	14.8	20.6	64.6		
		A-4, SaSi, gry, Moist, Rec. = 0.9 ft	4-6-4-4 (10)	16.8	11.7	22.0	66.3		
		Field Note: Clean out with NXDC							
		Visual Description: SaSi, gry, Moist, Rec. = 0.1 ft, Lab Note: Insufficient sample size for testing.	4-2-5-3 (7)	17.7					
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft	5-2-2-3 (4)	16.9	13.6	24.4	62.0		
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft	11-8-11-13 (19)	14.5	16.1	25.3	58.6		
30		Field Note: Clean out with roller cone							
		Field Note: No Recovery	22-25-21-21 (46)						
		Field Note: Clean out with NXDC							
		Field Note: No Recovery	13-20-21-21 (41)						
		Field Note: Clean out with roller cone							
40		A-4, Si, gry, Moist, Rec. = 1.2 ft, Lab Note: Sample tested non-plastic. A thin clay layer was within sample.	6-10-14-20 (24)	29.4	0.1	3.8	96.1		
50		Field Note: Clean out with NXDC							
		Field Note: Clean out with NXDC							
		A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: Sample tested non-plastic. A thin clay layer was within sample.	7-9-11-12 (20)	30.9	0.5	4.7	94.8		

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 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.



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

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

Boring No.: **B-207**
Page No.: **2 of 2**
PIn No.: **78d347**
Checked By: **END**

Boring Crew: JUDKINS, HOOK
Date Started: 11/18/15 Date Finished: 11/20/15
VTSPG NAD83: N 681895.49 ft E 1700580.40 ft
Station: 15+7.35 Offset: 18.92
Ground Elevation: 1429.83 ft

Type: _____ Casing WB Sampler SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK C = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
11/19/15	8.1	W.T. during drilling
11/20/15	7.7	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Field Note: Clean out with roller cone							
60		A-4, Si, gry, Moist, Rec. = 1.8 ft, Lab Note: Sample tested non-plastic. A thin clay layer was within sample.	7-9-14-13 (23)	31.5		3.6	96.4		
70		Field Note: Clean out with NXDC							
		A-4, Cisi, gry, Moist, Rec. = 1.9 ft	7-8-10-13 (18)	33.0	0.9	0.9	98.2	35	7
80		Field Note: Clean out with NXDC							
		Field Note: No Recovery							
90		Field Note: Clean out with NXDC							
		A-1-b, GrSa, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample.	12-R@5" (R)	13.7	38.5	49.3	12.2		
100		Field Note: Clean out with NXDC							
		Field Note: No Recovery. Appears to be Si Sa.							
		Hole stopped @ 100.4 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, C 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.