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

BORING LOG

COLCHESTER
HES 028-1(28)
US-2 ROADWAY

Boring No.: **B-105**
Page No.: 1 of 1
Pin No.: 13B028
Checked By: LAR

Boring Crew: SALISBURY, JUDKINS, HALL
Date Started: 6/18/13 Date Finished: 6/18/13
VTSPG NAD83: N 765671.65 ft E 1458246.92 ft
Station: 23+50 Offset: 30.00
Ground Elevation: 191.68 ft

	Casing	Sampler
Type:	WB	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_e = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
06/18/13	5.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description:, Topsoil with sand, brn, Moist, Rec. = 0.8 ft				1-1-5-5 (6)	19.7			
		A-2-4, Sa, brn, Moist, Rec. = 0.6 ft					8.8	9.4	78.3	12.3
2.5		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft				6-11-35-23 (46)	11.9	9.1	75.7	15.2
		Lab Note, Broken Rock, pink, Moist, Rec. = 0.8 ft					1.5	77.5	17.9	4.6
5.0		Lab Note, Broken Rock, pink, Moist, Rec. = 0.7 ft				15-11-9-8 (20)	6.4	84.8	12.2	3.0
		6.0 ft - 11.0 ft, Pink-mottled, Dolomite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 47	1 (0)	40 (0)	1	Top of Bedrock @ 6.0 ft				
7.5					1					
					2					
10.0					2					
					3					
		11.0 ft - 16.0 ft, Pink-mottled, Dolomite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 47	2 (0)	78 (14)	3					
12.5					4					
					5					
15.0					4					
					6					
		Hole stopped @ 16.0 ft								
17.5		Remarks: Hole collapsed at 8.0 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. 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 COLCHESTER HES 028-1(28).GPJ VERMONT AOT.GDT 7/8/13

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BORING LOG

COLCHESTER
HES 028-1(28)
US-2 ROADWAY

Boring No.: **B-106**
Page No.: 1 of 1
Pin No.: 13B028
Checked By: LAR

Boring Crew: GARROW, JUDKINS, HALL
Date Started: 6/05/13 Date Finished: 6/05/13
VTSPG NAD83: N 765658.27 ft E 1458362.77 ft
Station: 24+50 Offset: -30.00
Ground Elevation: 193.86 ft

	Casing	Sampler
Type:	WB	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_e = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
06/05/13	5.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description:, Topsoil with sand, brn, Moist, Rec. = 0.7 ft				1-6-6-7 (12)	13.1			
2.5		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft				5-30-R@6.0" (R)	7.8	49.2	36.3	14.5
		A-1-a, Gr, brn-gry, Moist, Rec. = 0.6 ft, Lots of Broken Rock was within sample.					1.4	74.0	19.3	6.7
5.0		Visual Description:, SaGr, brn, Moist, Rec. = 0.6 ft, Lots of Broken Rock was within sample. Similar material as 6-8 ft.				25-25-17-6 (42)	9.1			
		A-1-a, Gr, brn, Moist, Rec. = 0.2 ft, Lots of Broken Rock was within sample. Combined 4'-6', 6'-8', & 8'-10' samples to get a sufficient sample for testing.				3-3-3-3 (6)	6.7	76.2	15.4	8.4
7.5										
		Visual Description:, SaGr, brn, Moist, Rec. = 0.3 ft, Lots of Broken Rock was within sample. Similar material as 6-8 ft.				7-4-3-2 (7)	6.8			
10.0		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Broken Rock was within sample. Lost water return at 10.0 ft.				5-4-4-13 (8)	8.7	59.1	25.9	15.0
12.5		12.5 ft - 13.5 ft, Pink-mottled, Dolomite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 47	1 (0)	90 (0)	6	Top of Bedrock @ 12.5 ft				
		13.5 ft - 17.5 ft, Pink-mottled, Dolomite, Moderately hard, Slightly weathered, Fair rock, BXMDC, RMR = 52	2 (0)	88 (35)	4					
15.0					5					
					5					
					5					
		Hole stopped @ 17.5 ft								
17.5		Remarks: Hole collapsed at 7.0 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. 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 COLCHESTER HES 028-1(28).GPJ VERMONT AOT.GDT 7/8/13

PROJECT NAME: COLCHESTER
PROJECT NUMBER: HES 028-1(28)

FILE NAME: t13b028frm.dgn
PROJECT LEADER: P. COBURN
DESIGNED BY: M. BOGACZYK
BORING LOG SHEET 3

PLOT DATE: 11/23/2015
DRAWN BY: M. BOGACZYK
CHECKED BY: M. LACROIX
SHEET 20 OF 91