

VTTrans Working to Get You There Vermont Agency of Transportation		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-109			
				COLCHESTER HES 028-1(28) US-2 ROADWAY		Page No.: 1 of 1			
						Pin No.: 13B028			
						Checked By: LAR			
Boring Crew: SALISBURY, JUDKINS, HALL		Casing: WB		Sampler: SS		Groundwater Observations			
Date Started: 6/17/13 Date Finished: 6/17/13		I.D.: 4 in 1.5 in		Date		Depth (ft)			
VTSPG NAD83: N 765427.84 ft E 1458564.03 ft		Hammer Wt: N.A. 140 lb.		Notes		No water showing.			
Station: 27+50 Offset: 30.00		Hammer Fall: N.A. 30 in.							
Ground Elevation: 201.35 ft		Hammer/Rod Type: Auto/AWJ							
		Rig: CME 55 TRACK		C _r = 1.46					
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.8	Visual Description: Topsoil with sand, brn, Moist, Rec. = 0.8 ft				1-1-10-20 (11)	17.9			
0.8 - 1.0	Lab Note, Broken Rock, pink, Moist, Rec. = 0.6 ft					3.7	74.1	17.5	8.4
1.0 - 2.5	Visual Description: Broken Rock, pink, Moist, Rec. = 0.9 ft, Lost water return. Material similar as 1-2 ft.				15-15-9-10 (24)	3.2			
2.5 - 5.0	Lab Note, Broken Rock, pink, Moist, Rec. = 0.9 ft				10-8-6-5 (14)	3.1	68.5	23.3	8.2
5.0 - 7.5	Visual Description: Broken Rock, pink, MTW, Rec. = 0.5 ft, Material similar as 4-6 ft.				6-9-8-5 (17)	8.0			
7.5 - 10.0	Visual Description: Broken Rock, pink, MTW, Rec. = 0.6 ft, Material similar as 4-6 ft.				9-5-3-1 (8)	11.0			
10.0 - 11.0	Visual Description: Broken Rock, pink, Moist, Rec. = 0.6 ft, Material similar as 4-6 ft.				10-R@2.5" (R)	8.7			
11.0 - 12.5	NXDC, 10.7 ft - 11.0 ft								
12.5 - 16.0	11.0 ft - 16.0 ft, Pink-mottled, Dolomite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 57	1 (0)	90 (60)	3					
Top of Bedrock @ 11.0 ft									
Hole stopped @ 16.0 ft									
Remarks: Hole collapsed at 5.6 ft.									

BORING LOG 2 COLCHESTER HES 028-1(28).GPJ VERMONT AOT.GDT 7/8/13

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_r 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.

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				COLCHESTER HES 028-1(28) US-2 ROADWAY		Page No.: 1 of 1			
						Pin No.: 13B028			
						Checked By: LAR			
Boring Crew: GARROW, JUDKINS, HALL		Casing: WB		Sampler: SS		Groundwater Observations			
Date Started: 5/31/13 Date Finished: 6/03/13		I.D.: 4 in 1.5 in		Date		Depth (ft)			
VTSPG NAD83: N 765383.98 ft E 1458719.51 ft		Hammer Wt: N.A. 140 lb.		Notes		05/31/13 8.8 While drilling.			
Station: 29+00 Offset: -30.00		Hammer Fall: N.A. 30 in.				06/03/13 9.2 AM			
Ground Elevation: 205.09 ft		Hammer/Rod Type: Auto/AWJ							
		Rig: CME 55 TRACK		C _r = 1.46					
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.5	Visual Description: Topsoil, brn, Moist, Rec. = 0.5 ft								
0.5 - 2.5	A-3, Sa, brn, Moist, Rec. = 0.4 ft					WH-2-2-20 (4)	13.3	9.6	82.1 8.3
2.5 - 5.0	A-1-a, SaGr, pink-brn, Moist, Rec. = 0.4 ft, Broken Rock was within sample.						4.6	55.3	29.2 15.5
5.0 - 7.5	A-1-a, SaGr, pink, Moist, Rec. = 1.4 ft, Lots of Broken Rock was within sample.					14-14-14-35 (28)	4.3	73.0	20.5 6.5
7.5 - 11.0	A-1-a, SaGr, white, Moist, Rec. = 1.0 ft, Broken Rock was within sample.					26-34-18-2 (52)	7.9	63.4	26.6 10.0
11.0 - 12.5	A-1-a, Gr, white-pink, Moist, Rec. = 0.4 ft, Mostly Broken Rock					R@5.0"	7.9	75.5	19.9 4.6
12.5 - 16.5	6.5 ft - 11.5 ft, Pink-mottled, Dolomite, Moderately hard, Unweathered, Good rock, BXGDC, RMR = 61	1 (0)	86 (76)	2					
Top of Bedrock @ 6.5 ft									
16.5 - 17.5	11.5 ft - 16.5 ft, Pink-mottled, And light gray Dolomite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 47	2 (0)	52 (0)	5					
Hole stopped @ 16.5 ft									
Remarks: Hole collapsed at 11.0 ft.									

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Notes:
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PROJECT NAME:	COLCHESTER
PROJECT NUMBER:	HES 028-1(28)
FILE NAME:	t13b028frm.dgn
PROJECT LEADER:	P. COBURN
DESIGNED BY:	M. BOGACZYK
BORING LOG SHEET 5	
PLOT DATE:	11/23/2015
DRAWN BY:	M. BOGACZYK
CHECKED BY:	M. LACROIX
SHEET 22 OF 91	