



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

BORING LOG

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

Boring No.: **B-108**

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Pin No.: 13B028

Checked By: LAR

Boring Crew: GARROW, JUDKINS, HALL  
 Date Started: 6/03/13 Date Finished: 6/04/13  
 VTSPG NAD83: N 765536.36 ft E 1458521.32 ft  
 Station: 26+50 Offset: -30.00  
 Ground Elevation: 201.13 ft

Casing Type: 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<sub>s</sub> = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
06/03/13	7.4	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RGD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description: Topsoil with Gravely Sand, Dk/brn, Moist, Rec. = 0.4 ft				1-4-13-8 (17)	15.8			
		Visual Description: Sand with Broken Rock, brn, Moist, Rec. = 0.3 ft					8.2			
2.5		A-1-a, Gr, pink-gry, Moist, Rec. = 1.3 ft, Lots of Broken Rock was within sample.				8-24-46-R@4.5" (70)	1.2	75.2	18.9	5.9
5.0		A-1-a, Gr, pink-gry, Moist, Rec. = 0.9 ft, Lots of Broken Rock was within sample.				22-17-R@5.0" (R)	4.6	76.7	17.8	5.5
7.5		A-1-a, Gr, pink-gry, Moist, Rec. = 1.0 ft, Lots of Broken Rock was within sample.				30-22-R@5.0" (R)	6.5	74.1	19.6	6.3
		Field Note: No Recovery				R@2.5"				
		8.2 ft - 13.2 ft, Pink-mottled, And light gray Dolomite, Moderately hard, Unweathered, Fair rock, BXGDC, RMR = 47	1 (0)	80 (18)	5					
10.0					4					
					3					
					5					
12.5					5					
		13.2 ft - 18.2 ft, Pink-mottled, And light gray Dolomite, Moderately hard, Unweathered, Fair rock, BXGDC, RMR = 52	2 (0)	100 (46)	5					
15.0					6					
					6					
17.5					6					
					5					
20.0		Hole stopped @ 18.2 ft								
		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<sub>s</sub> 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