



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

BORING LOG

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

Boring No.: B-106

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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 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 = 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 %
0.0 - 0.7		Visual Description: Topsoil with sand, brn, Moist, Rec. = 0.7 ft				1-6-6-7 (12)	13.1			
0.7 - 1.2		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft				5-30-R@6.0" (R)	7.8	49.2	36.3	14.5
1.2 - 1.8		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
1.8 - 2.4		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			
2.4 - 2.6		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
2.6 - 3.2		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			
3.2 - 4.0		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
4.0 - 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 - 17.5		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 - 17.5					5					
17.5					5					
17.5		Hole stopped @ 17.5 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 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