



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

BORING LOG

HARDWICK  
EAST HARDWICK SLIDE  
VT-16 DIST. #9

Boring No.: B-101  
Page No.: 1 of 1  
Pin No.: 11X511  
Checked By: CCB

Boring Crew: PORTER, SALISBURY  
Date Started: 9/22/11 Date Finished: 9/22/11  
VTSPG NAD83: N 737375.29 ft E 1693002.12 ft  
Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
Ground Elevation: \_\_\_\_\_

Casing Sampler  
Type: H.S.A. 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 45C TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.3		Asphalt Pavement, 0.0 ft - 1.3 ft					
2.5		A-1-a, Gr, brn, Dry, Rec. = 1.8 ft, 1.5" stones taken from auger flights.	5-10-9-6 (19)	1.7	80.5	15.8	3.7
5.0		A-1-b, SaGr, brn, Dry, Rec. = 1.3 ft	3-7-8-8 (15)	4.6	44.3	43.1	12.6
7.5		A-1-b, SiGrSa, brn, Dry, Rec. = 1.0 ft	5-5-3-3 (8)	11.0	33.2	45.9	20.9
10.0		A-1-b, GrSa, brn, Dry, Rec. = 0.9 ft	1-2-1-2 (3)	9.4	36.8	49.0	14.2
12.5		A-1-b, GrSa, brn, Dry, Rec. = 0.4 ft	1-1-2-3 (3)	10.0	28.1	53.4	18.5
15.0		A-1-b, GrSa, brn, Dry, Rec. = 0.4 ft	1-3-50 (R)	7.6	40.5	43.5	16.0
		Field Note:, Possible Boulder/Cobble					
15.0		A-1-b, SaGr, brn, Dry, Rec. = 0.4 ft	3-6-5-5 (11)	4.7	53.4	30.2	16.4
17.5		Hole stopped @ 16.0 ft Unable to advance auger past 16.0 feet. Possible Boulder.					
20.0							
22.5							

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 HARDWICK (EAST) SLIDE.GPJ VERMONT AOT.GDT 3/1/13