



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

BORING LOG

HARDWICK  
 EAST HARDWICK SLIDE  
 VT-16 DIST. #9

Boring No.: B-104  
 Page No.: 1 of 1  
 Pin No.: 11X511  
 Checked By: CCB

Boring Crew: PORTER, GARROW, SALISBURY  
 Date Started: 10/10/11 Date Finished: 10/11/11  
 VTSPG NAD83: N 737476.14 ft E 1693121.77 ft  
 Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
 Ground Elevation: \_\_\_\_\_

Casing: 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 45C TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
10/11/11	20.2	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 1.0 ft							
		Field Note:., Cleaned out casing. Appears to be Gravelly Sand. A-1-b, SaGr, brn, MTW, Rec. = 1.0 ft Field Note:., Lost Water at 4.0 ft.	8-10-6-4 (16)	11.5	43.7	43.2	13.1		
10		Field Note:., Cleaned out casing. Appears to be Sand. Field Note:., No Recovery	2-2-1-2 (3)						
		A-1-b, SaGr, brn, MTW, Rec. = 1.0 ft, Some Mica was within sample.	3-2-2-2 (4)	15.6	45.9	43.6	10.5		
20		Field Note:., Cobbles. Cleaned out casing. Field Note:., No Recovery. Rock in end of sampler.	4-3-3-6 (6)						
		Field Note:., Cobbles. Cleaned out casing. A-4, GrSaSi, brn, Moist, Rec. = 1.0 ft, Some Mica was within sample.	9-6-8-8 (14)	18.0	22.8	24.1	53.1		
30		A-4, Si, gry, Moist, Rec. = 1.5 ft, Roller coned ahead.	5-11-14-14 (25)	23.5	2.9	8.0	89.1	30	5
		A-6, SiCl, gry, Moist, Rec. = 1.7 ft, Roller coned ahead.	6-8-12-15 (20)	29.5		0.9	99.1	39	12
40		A-4, ClSi, gry, Moist, Rec. = 1.7 ft, Roller coned ahead.	8-13-15-20 (28)	28.2		4.8	95.2	36	10
		A-4, ClSi, gry, Moist, Rec. = 1.7 ft, Roller coned ahead.	9-11-13-19 (24)	27.5		2.7	97.3	36	9
50		A-4, Si, gry, Moist, Rec. = 1.8 ft, Roller coned ahead.	11-21-28-40 (49)	27.8		1.0	99.0	34	6
		A-7-6, Cl, gry, Moist, Rec. = 1.0 ft A-7-6, Cl, brn, Moist, Rec. = 0.8 ft, Roller coned ahead.	11-18-31-33 (49)	32.5 28.5	0.6	2.2 10.6	97.8 88.8	48 50	21 24
60		A-2-4, Sa, brn, Moist, Rec. = 1.5 ft	22-36-R@6.0"	18.9	1.4	81.5	17.1		
		A-2-4, SiSa, brn, MTW, Rec. = 1.1 ft, Began Mud drilling.	26-45-R@6.0"	17.6	5.5	67.4	27.1		
70		A-2-4, SiSa, brn, MTW, Rec. = 1.2 ft	32-42-R@6.0"	19.0	5.3	67.6	27.1		
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft	25-40-R@6.0"	19.0	1.4	78.5	20.1		
		Hole stopped @ 75.0 ft NLTD							

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.