



STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
CONSTRUCTION AND  
MATERIALS BUREAU  
CENTRAL LABORATORY

BORING LOG  
CASTLETON (HYDEVILLE)  
STP 2033(26)  
TH-6 MAST ARMS

Boring No.: B-101  
Page No.: 1 of 1  
Pin No.: 12G488  
Checked By: END

Boring Crew: DIAGNEAULT, JUDKINS, HOOK, NIETO  
Date Started: 3/05/15 Date Finished: 3/05/15  
VTSPG NAD83: N 402957.91 ft E 1446385.01 ft  
Station: 102+22 Offset: 23.29  
Ground Elevation: 404.66 ft

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 SKID C<sub>r</sub> = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
03/05/15		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
5		A-1-b, SiGrSa, Lt/brn, Moist, Rec. = 1.8 ft	10-13-11-7 (24)	16.2	36.2	40.7	23.1			
		A-4, SiSa, Lt/brn-gry, Moist, Rec. = 1.3 ft	4-4-5-5 (9)	14.4	12.8	51.6	35.6			
		A-4, SaSi, Lt/brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	4-4-2-2 (6)	20.3	17.8	28.1	54.1			
		A-4, SaSi, brn, Moist, Rec. = 0.3 ft	WH-1-1-1 (2)	22.8	5.3	34.4	60.3			
		A-4, SaSi, Lt/brn, MTW, Rec. = 1.6 ft, Lab Note: There was a race of clay. Sample tested (NP).	1 (2)	32.4	0.8	23.0	76.2			
		A-4, SaSi, Lt/brn, MTW, Rec. = 1.0 ft	1-3-5-5 (8)	27.5	1.2	34.8	64.0			
		A-4, SaSi, brn, Moist, Rec. = 0.9 ft		21.9	0.1	24.1	75.8			
		A-4, SaSi, Lt/brn, Wet, Rec. = 2.0 ft	3-1-3-7 (4)	27.0	0.7	37.9	61.4			
15		A-4, ClSi, gry, MTW, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	2-2-1-2 (3)	34.6	2.2	2.8	95.0	31	9	
25		A-6, SiCl, gry, MTW, Rec. = 1.6 ft	1-1-1-1 (2)	35.0		1.6	98.4	31	13	
		A-4, ClSi, gry, Moist, Rec. = 1.6 ft, Material from Triaxial "A".		33.2		0.5	99.5	28	9	
		A-6, SiCl, gry, Moist, Material from Triaxial "B".		32.3		0.3	99.7	34	14	
		A-4, Si, gry, Moist, Material from Triaxial "C".		31.1		0.3	99.7	26	2	
		A-6, SiCl, gry, MTW, Rec. = 2.0 ft	WH-WH-WH-WH (WH)	35.7		0.5	99.5	34	14	
Hole stopped @ 26.0 ft										
Remarks: Hole collapsed at 14.1 ft.										

BORING LOG 2 CASTLETON(HYDEVILLE) STP 2033(26).GPJ VERMONT AOT.GDT 4/10/15

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.