



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

BORING LOG

STRATTON  
TH03-0103  
TH-20 BR-13

Boring No.: B-201  
Page No.: 1 of 1  
Pin No.: 01J266  
Checked By: NSM

Boring Crew: PORTER, GARROW  
Date Started: 4/14/11 Date Finished: 4/15/11  
VTSPG NAD83: N 189603.43 ft E 1538514.71 ft  
Station: 2+28.5 Offset: 6.50  
Ground Elevation: 1663.36 ft

Casing Type: WB  
Sampler Type: 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 CE = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
		None Taken.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft				3-5-4-5 (9)	9.6	36.3	48.5	15.2
		Field Note:., Cleaned out casing. Appears to be Gravel.								
5		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft				15-40-R@6.0" (R)	15.7	17.8	47.6	34.6
		Field Note:., Cleaned out casing. Appears to be Cobbles.								
10		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft				5-21-6-5 (27)	12.6	60.8	30.3	8.9
		Field Note:., Cleaned out casing. Appears to be Cobbles.								
15		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft				3-5-2-2 (7)	15.6	45.9	44.5	9.6
		Field Note:., Cleaned out casing. Appears to be Cobbles.								
20		A-2-4, SaSiGr, gry, Moist, Rec. = 1.4 ft				6-26-34-26 (60)	11.9	43.1	26.2	30.7
		Field Note:., Cleaned out casing. Appears to be Cobbles.								
25		A-4, GrSiSa, gry, Moist, Rec. = 1.2 ft				12-20-42-32 (62)	13.8	23.3	39.7	37.0
		Field Note:., Cleaned out casing. Appears to be Gravel.								
30		A-2-4, GrSiSa, gry, Moist, Rec. = 1.3 ft				3-22-26-44 (48)	14.3	21.8	46.2	32.0
		Field Note:., Cleaned out casing. Appears to be Gravel.								
35		A-4, SaGrSi, gry, Moist, Rec. = 1.2 ft				17-20-28-50 (48)	15.0	31.5	25.9	42.6
		Field Note:., Cleaned out casing. Appears to be Gravel.								
40		Visual Classification, Broken Rock, brn, Moist, Rec. = 0.3 ft 38.3 ft - 43.3 ft, Light gray, Quartz-muscovite Gneiss, with some staining along closely spaced jointing. Hard, Unweathered, Good rock, BXMDC	1 (30)	100 (84)	4	R@3.5"				
		43.3 ft - 48.3 ft, Light gray, Quartz-muscovite Gneiss, with some staining along closely spaced jointing. Severely weathered from 44.9 to 45.4 feet,. Hard, Good rock, BXMDC	2 (30)	100 (58)	3					
45					4					
					5					
					6					
Hole stopped @ 48.3 ft										

BORING LOG 2 STRATTON TH03-0103.GPJ VERMONT AOT.GDT 5/17/11

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.



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Boring No.: B-202  
Page No.: 1 of 1  
Pin No.: 01J266  
Checked By: NSM

Boring Crew: PORTER, GARROW	Casing Type: WB	Sampler: SS	Groundwater Observations			
Date Started: 4/18/11 Date Finished: 4/19/11	I.D.: 4 in	SS: 1.5 in	Date	Depth (ft)	Notes	
VTSPG NAD83: N 189536.99 ft E 1538532.33 ft	Hammer Wt: N.A.	140 lb.			None Taken.	
Station: 2+75.5 Offset: -7.00	Hammer Fall: N.A.	30 in.				
Ground Elevation: 1662.87 ft	Hammer/Rod Type: Auto/AWJ					
	Rig: CME 55 TRACK	CE = 1.46				

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				5-5-5-20 (10)	8.2	41.0	43.8	15.2
		Field Note: Cleaned out casing. Appears to be Gravel.								
5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.8 ft				15-30-35-35 (65)	16.0	20.9	46.1	33.0
		Field Note: Cleaned out casing. Appears to be Cobbles.								
10		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, Stone plugged sampler.				5-8-6-6 (14)	15.6	51.2	45.0	3.8
		Field Note: Boulder. Cored ahead. Needed to change casing bit.								
		Field Note: Boulders. Cored ahead.								
15		Field Note: Sleved down to 3.0" casing at 15.0 ft.								
		Field Note: Cleaned out casing. Appears to be Cobbles & Gravel.								
20		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Broken rock was within sample.				2-2-3-6 (5)	14.5	60.7	30.3	9.0
25		A-2-4, SiGrSa, gry, Moist, Rec. = 1.4 ft, Broken rock was within sample.				20-32-R@6.0" (R)	12.6	35.6	37.2	27.2
30		27.1 ft - 32.1 ft, Light gray, Quartz-muscovite Gneiss, with some staining along closely spaced jointing. Hard, Unweathered, Good rock, BXMDC	1 (30)	92 (70)	5 7 6 6	Top of Bedrock @ 27.1 ft				
		Hole stopped @ 32.1 ft								
35										
40										
45										

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