



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

BORING LOG

BARRE CITY
STP 026-1(42)
VT-62 WACR CROSSING

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 11G256
Checked By: END

Boring Crew: JUDKINS, HOOK
Date Started: 3/18/14 Date Finished: 3/19/14
VTSPG NAD83: N 620433.94 ft E 1638162.23 ft
Station: 67+54.59 Offset: -37.47
Ground Elevation: 594.53 ft

Type: H.S.A. SS
I.D.: 3.25 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 = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
03/18/14	16.5	While drilling.
03/19/14	10.7	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiSa, Dk/brn, Moist, Rec. = 0.7 ft	15-15-15-7 (30)	22.0	11.1	58.6	30.3
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broke Rock (Granite) was within sample.	3.7	54.3	35.0	10.7	
		Visual Description: Broken Rock (Granite) with sand, brn, Moist, Rec. = 0.2 ft, Material similar as 1-2 feet. Insufficient sample for testing.	6-6-9-7 (15)	7.0			
5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broke Rock (Granite) was within sample.	5-5-4-6 (9)	13.9	34.9	42.7	22.4
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft	2-4-4-3 (8)	16.1	9.6	60.2	30.2
10		A-3, Sa, brn, Moist, Rec. = 1.0 ft	WH-1-1-7 (2)	11.9	12.2	77.8	10.0
		A-1-b, GrSa, brn, MTW, Rec. = 0.4 ft	4-9-9-6 (18)	12.5	31.8	48.8	19.4
15		A-4, SiSa, brn, Wet, Rec. = 1.8 ft	1-5-4-4 (9)	30.0	3.4	60.2	36.4
20		A-2-4, SiSa, brn, MTW, Rec. = 1.9 ft	3-6-5-5 (11)	26.6	1.8	72.7	25.5
25		A-4, SiSa, brn, MTW, Rec. = 1.0 ft	WH-2-2-2 (4)	25.0		61.6	38.4
		A-4, Si, gry, MTW, Rec. = 1.0 ft	28.5		13.1	86.9	
		Hole stopped @ 27.0 ft					
30		Remarks: 1. Water table taken before removing augers on 03/19/14. 2. Hole collapsed at 7.3 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 BARRE CITY STP 026-1(42).GPJ VERMONT AOT.GDT 4/2/14



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

BORING LOG

BARRE CITY
 STP 026-1(42)
 VT-62 WACR CROSSING

Boring No.: B-102
 Page No.: 1 of 1
 Pin No.: 11G256
 Checked By: END

Boring Crew: JUDKINS, HOOK
 Date Started: 3/07/14 Date Finished: 3/07/14
 VTSPG NAD83: N 620346.13 ft E 1638161.67 ft
 Station: 67+12.87 Offset: 38.97
 Ground Elevation: 596.26 ft

Casing: H.S.A. Sampler: SS
 I.D.: 3.25 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 = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
03/07/14	14.9	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
		Asphalt Pavement, 0.0 ft - 0.5 ft						
		A-1-a, SaGr, Lt/gry, Dry, Rec. = 0.6 ft, Lab Note: Lots of Broken Rock (Granite) was within sample.	47-22-18-R@1.0" (40)	2.3	63.0	28.7	8.3	
5		A-4, SiSa, brn, Moist, Rec. = 1.7 ft	30-31-18-15 (49)	12.1	5.5	54.7	39.8	
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft	6-6-6-5 (12)	12.2	0.9	64.8	34.3	
		A-2-4, Sa, brn, Moist, Rec. = 1.6 ft	2-3-2-3 (5)	8.6	0.3	83.0	16.7	
10		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	3-3-4-4 (7)	10.7	30.2	57.3	12.5	
		A-1-a, SaGr, brn, MTW, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	12-12-13-20 (25)	9.5	54.5	32.5	13.0	
15		A-1-b, GrSa, brn, Wet, Rec. = 1.8 ft	3-3-4-1 (7)	19.4	42.6	45.1	12.3	
20		A-2-4, Sa, brn, Wet, Rec. = 1.5 ft	4-5-1-WR (6)	26.0	14.5	68.3	17.2	
25		A-2-4, Sa, brn, Wet, Rec. = 1.5 ft	3-2-3-3 (5)	25.1	12.5	69.2	18.3	
		Hole stopped @ 27.0 ft						
30								

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 BARRE CITY STP 026-1(42).GPJ VERMONT AOT.GDT 4/2/14