



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

BORING LOG

BARRE TOWN
STP SCR(10)
VT-14 CULVERT, JOCKEY HOLLOW

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 10D202
Checked By: LAR

Boring Crew: GARROW, SALISBURY
Date Started: 8/02/12 Date Finished: 8/23/12
VTSPG NAD83: N 612617.96 ft E 1639836.80 ft
Station: 119+29 Offset: -10.00
Ground Elevation: 670.0 ft

Casing Sampler
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 TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		No data collected.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note:, Asphalt Pavement					
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, A few pieces of Broken Granite & Concrete were within sample.	10-12-11-6 (23)	5.1	40.0	42.6	17.4
		Visual Description:, SiSa, brn, Wet, Rec. = 0.2 ft, Insufficient sample for testing.	(WH)				
		Field Note:, Possible void in this area.					
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft	2-1-5-6 (6)	17.2	21.0	44.6	34.4
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft, Sample was mostly Broken/Fractured Rock.		9.9	64.3	23.2	12.5
15		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft, Some pieces of Wood were within sample. Possible wood mat.	7-4-3-4 (7)	27.4	4.0	66.0	30.0
		A-4, SaSi, Dk/brn, Moist, Rec. = 0.7 ft, A lot of Sticks/Wood were within sample. Possible wood mat.		40.7	3.1	46.9	50.0
		Field Note:, Switched over to Wash Bore method of drilling and used 4" casing					
20		A-1-b, Sa, gry, Moist, Rec. = 0.8 ft	1-2-2-3 (4)	24.4	2.3	90.1	7.6
		A-1-b, Sa, gry, Moist, Rec. = 1.5 ft	3-3-6-6 (9)	21.2	9.0	81.7	9.3
25		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft	9-8-5-4 (13)	10.5	46.9	38.7	14.4
		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft	5-6-8-7 (14)	11.3	54.9	35.3	9.8
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft	5-5-3-3 (8)	18.1	48.9	42.6	8.5
30		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft	5-4-10-14 (14)	11.7	61.3	28.2	10.5
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft	12-16-11-9 (27)	13.4	57.0	30.6	12.4
35		A-1-a, SaGr, brn, Moist, Rec. = 1.3 ft	13-8-6-7 (14)	13.3	56.9	35.7	7.4
		Hole stopped @ 36.0 ft					
40		Remarks: During washbore method of drilling with water pumped from a nearby stream, suds were noticeable.					

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-102
Page No.: 1 of 1
Pin No.: 10D202
Checked By: LAR

Boring Crew: GARROW, SALISBURY, WHITLOCK
Date Started: 8/23/12 Date Finished: 8/23/12
VTSPG NAD83: N 612593.29 ft E 1639845.49 ft
Station: 119+11 Offset: 11.00
Ground Elevation: 671.0 ft

Casing: WB Sampler: SS
Type: WB 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 TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		No data collected.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: Asphalt Pavement					
		A-1-b, GrSiSa, brn, Moist, Rec. = 1.3 ft	20-15-8-9 (23)	10.8	24.7	50.2	25.1
5		Field Note: Roller Coned ahead. Appears to be sandy silt.					
		Visual Description: SiSa, brn, Moist, Rec. = 0.2 ft, Similar material as 10-12 ft. Insufficient sample for testing.	4-4-4-3 (8)				
10		Field Note: Roller Coned ahead. Appears to be sandy silt.					
		A-4, SiSa, brn, Moist, Rec. = 1.1 ft	3-3-7-13 (10)	21.3	9.7	52.9	37.4
15		Field Note: Roller Coned ahead. Appears to be sandy silt.					
		Visual Description: Wood Particles, brn, Moist, Rec. = 0.1 ft, Possible wood mat.	3-3-1-2 (4)				
		Visual Description: Wood Particles with silty sand, brn, Moist, Rec. = 0.4 ft, Roller Coned ahead. Possible wood mat.	WH-WH-3-3 (3)				
20		A-1-b, Sa, brn, Wet, Rec. = 1.0 ft, Some Wood particles were within sample.	4-4-7-5 (11)	27.4	4.4	88.4	7.2
		A-1-b, SiSa, brn, MTW, Rec. = 1.3 ft	2-3-5-5 (8)	22.8	5.3	73.5	21.2
		A-1-b, Sa, brn, Moist, Rec. = 0.8 ft	6-5-8-7 (13)	17.3	19.9	67.2	12.9
25		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft	5-5-8-6 (13)	12.0	62.6	26.0	11.4
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft	8-8-6-8 (14)	12.3	64.6	25.2	10.2
30		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft	10-12-20-18 (32)	13.8	73.5	23.3	3.2
		A-2-4, Sa, gry, Moist, Rec. = 0.3 ft	9-6-6-5 (12)	22.7	19.2	66.6	14.2
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.4 ft	9-8-8-8 (16)	20.1	27.3	52.6	20.1
35		Hole stopped @ 35.0 ft					
40		Remarks: During washbore method of drilling with water pumped from a nearby stream, suds were noticeable.					

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 BARRE TOWN STP SCR(10).GPJ VERMONT AOT.GDT 9/14/12