



BORING LOG

BRIGHTON  
STP 034-3(25)  
VT-105 BR-84

Boring No.: B-101  
Page No.: 1 of 2  
Pin No.: 11B208  
Checked By: CCB

Boring Crew: PORTER, DAIVSON, HOLT  
Date Started: 4/05/12 Date Finished: 4/16/12  
VTSPG NAD83: N 841105.36 ft E 1788689.41 ft  
Station: 55+50 Offset: 10.00  
Ground Elevation: 1174.85 ft

Casing Sampler  
Type: WB 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 CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
04/16/12	8.5	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (ROD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.5 ft								
5		Visual Description: SiSa with one piece of granite, brn, Moist, Rec. = 0.2 ft, Stone in end of sampler. Insufficient sample for testing.				9-6-6-11 (12)				
10		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft				8-8-8-5 (16)	17.0	54.2	36.9	8.9
15		Field Note: No Recovery. Trace of silt in sampler				4-1-1-1 (2)				
20		A-2-4, Sa, gry, Moist, Rec. = 1.0 ft				15-12-11-12 (23)	19.0	15.8	72.9	11.3
25		A-1-b, Sa, brn, Moist, Rec. = 1.5 ft				5-6-8-9 (14)	19.2	7.9	86.1	6.0
30		A-2-4, Sa, brn, Moist, Rec. = 1.2 ft, Granite chips were within sample.				7-10-14-16 (24)	15.2	18.1	70.4	11.5
35		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Granite chips and broken rock were within sample.				17-17-21-34 (38)	13.7	40.7	44.9	14.4
40		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft, Granite chips and broken rock were within sample.				22-20-14-11 (34)	12.9	38.0	52.8	9.2
45		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Granite chips and broken rock were within sample.				14-12-16-15 (28)	12.6	40.2	50.5	9.3
		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.1 ft, Granite chips were within sample.				8-11-18-8 (29)	15.6	38.2	53.8	8.0

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
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Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
04/16/12	8.5	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (ROD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
55		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.0 ft, Small Granite chips within size.				6-5-8-9 (13)	18.9	32.5	62.6	4.9
60		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.1 ft				6-8-9-18 (17)	17.2	28.9	57.5	13.6
65		A-1-b, Sa, gry-brn, Moist, Rec. = 1.0 ft A-4, Si, brn, Moist, Rec. = 0.6 ft				9-10-21-32 (31)	18.3	17.3	78.6	4.1
70		A-4, Si, gry, Moist, Rec. = 1.3 ft				19-31-35-43 (66)	20.0	0.1	11.8	88.1
75		A-2-4, GrSa, gry, Moist, Rec. = 1.2 ft				22-25-35-27 (60)	11.6	22.3	58.6	19.1
80		Field Note: Cored ahead Field Note: Cobbles A-2-4, GrSiSa (HP), gry, Moist, Rec. = 0.2 ft				R02.5"				
85		Field Note: Advanced casing to 87 feet. Cleaned out casing. 1.8 feet of rock inside bottom of casing.				61-R02.5"	7.1	24.7	45.3	30.0
90		87.0 ft - 92.0 ft, Light gray, With dark green splotches Diorite, Hard, Unweathered, Very good rock, BXMD, RMR = 92	1 (?)	92 (90)	7					Top of Bedrock @ 87.0 ft
95		92.0 ft - 97.0 ft, Light gray, With dark green splotches Diorite, Hard, Unweathered, Very good rock, BXMD, Healed near vertical fracture from 95.0-97.0 feet. RMR = 92	2 (?)	100 (94)	5					
		Hole stopped @ 97.0 ft								

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

BORING LOG

Boring No.: B-102  
Page No.: 1 of 2  
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BRIGHTON  
STP 034-3(25)  
VT-105 BR-84

Boring Crew: PORTER, DAVISON  
Date Started: 4/17/12 Date Finished: 4/20/12  
VTSPG NAD83: N 841124.26 ft E 1788764.69 ft  
Station: 56+25 Offset: -10.00  
Ground Elevation: 1174.26 ft

Casing Type: WB I.D.: 4 in  
Sampler Type: SS I.D.: 1.5 in  
Hammer Wt: N.A. 140 lb  
Hammer Fall: N.A. 30 in  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
04/20/12	9.5	AM

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-b, GrSa, brn, Moist, Rec. = 1.0 ft	7-7-8-7 (15)	9.9	35.5	49.3	15.2
		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft	4-4-8-9 (12)	12.1	53.0	39.2	7.8
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	2-2-3-2 (5)	18.4	30.6	58.6	10.8
		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.8 ft	14-14-18-20 (32)	12.0	52.5	37.5	10.0
		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft	6-6-8-9 (14)	20.6	9.7	76.5	13.8
		A-3, Sa, brn, Moist, Rec. = 0.8 ft	6-6-7-7 (13)	16.9	9.0	81.5	9.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft	7-16-17-12 (33)	16.7	42.4	53.9	3.7
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft	8-7-6-7 (13)	16.4	30.9	61.1	8.0
		Field Note: No Recovery. Trace of sand	8-11-11-10 (22)				
		Visual Description: Broken Granite pieces with silty sand, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.	27-25-17-15 (42)	17.7			
		A-3, Sa, brn, Moist, Rec. = 0.7 ft	5-9-13-19 (22)	6.7	0.5	91.3	8.2

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Groundwater Observations		
Date	Depth (ft)	Notes
04/20/12	9.5	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, Sa, brn, Moist, Rec. = 1.0 ft	9-11-12-12 (23)	22.5	10.5	82.5	7.0
		A-4, Si, brn, Moist, Rec. = 1.6 ft	14-16-18-20 (34)	22.0	0.5	17.3	82.2
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	16-13-27-46 (40)	12.2	29.6	52.7	17.7
		Field Note: Cobbles. Pieces of Granite	(R)				
		A-4, SaSi, gry, Moist, Rec. = 0.5 ft, Lab Note: (HP)	R06.0"	11.9	15.0	39.8	45.2
		Visual Description: Broken Rock with sand, gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	R02.5"	7.3			
		Visual Description: Broken Rock, gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	R02.5"				
		A-1-b, GrSa, gry, Moist, Rec. = 0.4 ft, Advanced casing to 99 ft.	R05.0"	8.1	38.7	43.6	17.7
		Field Note: Granite Boulder					

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Hole stopped @ 109.0 ft

BORING LOG 2 BRIGHTON STP 034-3(25).GPJ VERMONT AOT.GDT 5/21/12

BORING LOG 2 BRIGHTON STP 034-3(25).GPJ VERMONT AOT.GDT 5/21/12