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

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, DAVISON, 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. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.5 ft								
		Visual Description:, SlSa 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)				
5		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft				8-8-8-5 (16)	17.0	54.2	36.9	8.9
10		Field Note:, No Recovery. Trace of silt in sampler				4-1-1-1 (2)				
15		A-2-4, Sa, gry, Moist, Rec. = 1.0 ft				15-12-11-12 (23)	19.0	15.8	72.9	11.3
20		A-1-b, Sa, brn, Moist, Rec. = 1.5 ft				5-6-8-9 (14)	19.2	7.9	86.1	6.0
25		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
30		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
35		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
40		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
45		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.
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.

ABUTMENT 1
BOT OF PILE CAP
EL 1165.78

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

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

BORING LOG

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

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

Boring Crew: PORTER, DAVISON, 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. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		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
55		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.1 ft				6-8-9-18 (17)	17.2	28.9	57.5	13.6
60		A-1-b, Sa, gry-brn, Moist, Rec. = 1.0 ft				9-10-21-32 (31)	18.3	17.3	78.6	4.1
		A-4, Si, brn, Moist, Rec. = 0.6 ft					26.2	0.5	3.4	96.1
65		A-4, Si, gry, Moist, Rec. = 1.3 ft				19-31-35-43 (66)	20.0	0.1	11.8	88.1
70		A-2-4, GrSa, gry, Moist, Rec. = 1.2 ft				22-25-35-27 (60)	11.6	22.3	58.6	19.1
75		Field Note:, Cored ahead				R@2.5"				
80		Field Note:, Cobbles								
		A-2-4, GrSlSa (HP), gry, Moist, Rec. = 0.2 ft				61-R@2.5"	7.1	24.7	45.3	30.0
85		Field Note:, Advanced casing to 87 feet. Cleaned out casing. 1.8 feet of rock inside bottom of casing.								
		87.0 ft - 92.0 ft, Light gray, With dark green splotches Diorite, Hard, Unweathered, Very good rock, BXMDC, RMR = 92	1 (?)	92 (90)	7 7 7 6 7	Top of Bedrock @ 87.0 ft				
90		92.0 ft - 97.0 ft, Light gray, With dark green splotches Diorite, Hard, Unweathered, Very good rock, BXMDC, Healed near vertical fracture from 95.0-97.0 feet. RMR = 92	2 (?)	100 (94)	5 4 5 4 5					
95		Hole stopped @ 97.0 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. 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.

ABUTMENT 1
PILE TIP
EL 1087.85

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

PROJECT NAME: BRIGHTON
PROJECT NUMBER: ER STP 034-3(25)

FILE NAME: slib208bor.dgn
PROJECT LEADER: K. HIGGINS
DESIGNED BY: W. LAMMER
BORING LOG 1

PLOT DATE: 12-SEP-2012
DRAWN BY: J. SALVATORI
CHECKED BY: W. LAMMER
SHEET 13 OF 36