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

BORING LOG

JAMAICA
ER-BRF 013-1(16)
VT-100 BR-78

Boring No.: B-104
Page No.: 1 of 2
Pin No.: 11B212
Checked By: CEE

Boring Crew: GARROW, SALISBURY, WELLS
Date Started: 2/15/12 Date Finished: 2/16/12
VTSPG NAD83: N 206425.10 ft E 1572663.20 ft
Station: 120+56 Offset: -15.00
Ground Elevation: 665.5 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 TRACK	CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		See Remarks #1.

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 %	LL %	PI %
		Field Note:, NXDC, Gravel										
		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft				7-7-9-6 (16)	9.5	68.4	25.7	5.9		
5												
		Field Note:, NXDC, Gravel										
		A-1-a, SaGr, gry, Moist, Rec. = 0.8 ft				16-10-20-R@1.0" (30)	8.9	72.9	20.7	6.4		
10		Field Note:, NXDC, Cobbles										
BOTTOM PIER FOOTING EL. 653.00												
		A-4, Si, gry, Moist, Rec. = 1.7 ft				20-23-30-42 (53)	19.4	0.3	15.9	83.8		
15												
		A-4, Si, gry, MTD, Rec. = 1.6 ft				30-43-40-50 (83)	15.3		15.2	84.8		
20												
		A-4, Si, gry, MTD, Rec. = 1.6 ft				15-26-26-35 (52)	16.0	0.1	16.0	83.9		
25												
		A-4, SaSi, gry, Moist, Rec. = 1.6 ft				27-26-40-50 (66)	16.5	0.1	21.7	78.2		
30												
		A-4, Si, gry, Moist, Rec. = 1.6 ft				17-43-45-50 (88)	19.0		10.0	90.0	29	5
35												
		A-4, Si, gry, MTD, Rec. = 1.5 ft				30-36-R@6.0"	15.9		7.7	92.3	28	5
40												
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft				43-R@5.0"	16.6		26.2	73.8		

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 JAMAICA ER-BRF 013-1(16).GPJ VERMONT AOT.GDT 2/24/12

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Groundwater Observations

Date	Depth (ft)	Notes
		See Remarks #1.

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 %	LL %	PI %
50		A-4, SaSi, gry, Moist, Rec. = 0.9 ft				23-R@5.0"	22.1	0.5	24.0	75.5		
		A-4, SaGrSi, gry, Moist, Rec. = 0.4 ft				R@5.0"	10.4	31.0	25.9	43.1		
55		Field Note:, NXDC, Cobbles & Gravel										
		A-4, GrSiSa, gry, Moist, Rec. = 0.3 ft				R@3.5"	9.7	24.3	39.1	36.6		
60												
		A-1-b, SaGr, gry, Moist, Rec. = 0.3 ft, Broken Rock was within sample.				R@3.5"	8.9	50.2	32.9	16.9		
65												
		Field Note:, NXDC, Boulder										
70												
		73.5 ft - 78.5 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXWDC, RMR = 62	1 (?)	100 (20)	15 10 10 9 9		Top of Bedrock @ 73.5 ft					
75												
		78.5 ft - 83.5 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXWDC, RMR = 48	2 (?)	78 (48)	10 5 5 3 4							
80												
		Hole stopped @ 83.5 ft										
85												

Remarks:
1. Water measured at 2.0 feet above ground in casing when casing at a depth greater than 40 feet.

PILE TIP
EL. 597.00

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PROJECT NAME: JAMAICA
PROJECT NUMBER: ER-BRF 013-1(16)

FILE NAME: s11b212boringlogs.dgn
PROJECT LEADER: K. HIGGINS
DESIGNED BY: G. LAROCHE
BORING LOGS 4

PLOT DATE: 12-OCT-2012
DRAWN BY: K. FRIEDLAND
CHECKED BY: G. LAROCHE
SHEET 28 OF 85