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

BORING LOG

BRISTOL
BRF 021-1(29)
VT-116 BR-6

Boring No.: B-4
Page No.: 1 of 2
Pin No.: 78F187
Checked By: CCB

Boring Crew: YOUNG, SOMERS
Date Started: 7/02/02 Date Finished: 7/16/02
VTSPG NAD83: N 581493.69 ft E 1485187.34 ft
Station: 107+01.90 Offset: 21.65
Ground Elevation: 329.59 ft

	Casing	Sampler
Type:	WB	SS
I.D.:	3. 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	C_E = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
07/16/02	8.0	

BOTTOM
ABUTMENT 2
EL 322.00

ESTIMATED LENGTH = 70'

Depth (ft)	Strata	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		No sample. Appears to be SiSaGr, 4.9 ft – 6.9 ft	2-1-2-2 (3)						
10		A-1-b, GrSa, gry, Moist, Rec. = 1.0 ft	4-1-1-1 (2)	20.2	26.9	62.2	10.9		
		No sample. Appears to be SiGrSa, gry, Moist, 14.7 ft – 16.7 ft	7-3-3-5 (6)						
20		A-4, Si, gry, Moist, Rec. = 1.2 ft	3-2-4-3 (6)	21.1		15.3	84.7		
		A-4, Si, gry, Moist, Rec. = 1.0 ft	3-1-3-3 (4)	22.5		11.8	88.2		
30		A-4, SaSi, gry, Moist, Rec. = 1.2 ft	2-4-5-3 (9)	23.2	9.9	32.8	57.3		
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft	2-1-7-2 (8)	16.5	20.0	30.4	49.6		
40		Visual Classification: Broken Rock, Rec. = 0.2 ft, 39.4 ft – 40.0 ft NXDC, Boulders, 40.0 ft – 49.2 ft	24-100/1.5" (R)						
50		A-1-b, SlSaGr, gry, Moist, Rec. = 0.4 ft NXDC, Boulders, 50.2 ft – 52.9 ft	100/5.0" (R)	8.3	41.3	33.9	24.8		
		A-4, Si, gry, Moist, Rec. = 1.6 ft	34-39-40-44 (79)	13.9	5.1	19.1	75.8	18	2

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy.$_E$C 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 BRISTOL BRF 021-1(29).GPJ VERMONT AOT.GDT 7/8/10

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Hammer Wt:	N.A.	140 lb.
Hammer Fall:	N.A.	30 in.
Hammer/Rod Type:		Auto/AWJ
Rig:	CME 45C TRACK	C_E = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
07/16/02	8.0	

ESTIMATED
PILE TIP
EL 254.00

Depth (ft)	Strata	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
60		A-4, GrSi, gry, Moist, Rec. = 1.4 ft	98-61-78-100/3.5" (R)	13.3	23.5	12.6	63.9	22	5
		A-4, GrSi, gry, Moist, Rec. = 1.4 ft	19-76-100/5.0" (R)	11.8	20.5	18.1	61.4	20	4
70		A-4, SaSi, gry, Moist, Rec. = 0.6 ft	71-100/2.0" (R)	11.0	18.8	21.3	59.9		
		A-4, GrSiSa, gry, Moist, Rec. = 1.3 ft	21-48-89-R (R)	14.1	22.8	39.9	37.3		
80		A-2-4, SlSa, gry, Moist, Rec. = 1.3 ft	20-51-101 (R)	14.0	13.9	55.4	30.7		
		Boulders, 81.7 ft – 86.6 ft							
		Hole stopped @ 86.6 ft							

Remarks:
1. The first boring was started at 107+01.9, offset 20.8 ft Rt. This boring was discontinued at 52.9 ft. The casing broke off at 44.3 ft.
2. A second boring was started at 107+01.9, offset 22.5' Rt. and was discontinued at 44.3 ft due to wearing out of casing bit in boulders from 36.1-44.3 feet.

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BORING LOG BRISTOL BRF 021-1(29).GPJ VERMONT AOT.GDT 7/8/10

PROJECT NAME: BRISTOL
PROJECT NUMBER: BRF 021-1(29)

FILE NAME: sl0b094bor.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: M. EVANS-MONGEON
BORING LOG SHEET (2)

PLOT DATE: 04-NOV-2014
DRAWN BY: G. ROY
CHECKED BY: EVANS-MONGEON
SHEET 20 OF 54