



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

BORING LOG

**BRISTOL**  
**BRO 1445(32)**  
**TH-3 BR-31**

Boring No.: **B-105B**

Page No.: **1 of 1**

Pin No.: **05J352**

Checked By: **NSM**

Boring Crew: PORTER, GARROW, WERNER

Date Started: 11/09/10 Date Finished: 11/17/10

VTSPG NAD83: \_\_\_\_\_

Station: 53+11 Offset: -4.80

Ground Elevation: \_\_\_\_\_

Type: \_\_\_\_\_  
 I.D.: \_\_\_\_\_  
 Hammer Wt: \_\_\_\_\_  
 Hammer Fall: \_\_\_\_\_  
 Hammer/Rod Type: \_\_\_\_\_  
 Rig: CME 55 TRACK C<sub>c</sub> = 1.46

Casing WB Sampler SS

4 in 1.5 in

N.A. 140 lb.

N.A. 30 in.

Auto/AWJ

Groundwater Observations

Date	Depth (ft)	Notes
11/16/10	27.1	After weekend.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.4		Asphalt Pavement, 0.0 ft - 0.4 ft					
0.4 - 0.6		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft	3-3-2-2 (5)	10.2	46.9	45.6	7.5
0.6 - 0.8		Visual Classification, SaGr, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.	4-4-5-5 (9)	6.5			
0.8 - 1.0		Field Note:, Cored through cobbles while advancing casing. A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft	3-3-12-8 (15)	9.9	59.2	32.1	8.7
1.0 - 1.2		Field Note:, Cored through cobbles while advancing casing.					
1.2 - 1.4		Visual Classification, GrSa, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.	5-5-7-10 (12)	10.0			
1.4 - 1.6		Field Note:, Cored through coarse gravel while advancing casing.					
1.6 - 1.8		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft	11-7-7-20 (14)	12.1	59.2	28.0	12.8
1.8 - 2.0		Field Note:, Cored through cobbles and boulders while advancing casing.					
2.0 - 2.2		Field Note:, Cored through cobbles while advancing casing.					
2.2 - 2.4		Visual Classification, SiGrSa, brn-gry, Moist, Rec. = 0.8 ft, Insufficient sample for testing.	7-20-7-40 (27)	13.8			
2.4 - 2.6		Field Note:, 4" casing wore out. Sleived in 3" casing., Cored through cobbles while advancing casing.					
2.6 - 2.8		Field Note:, Cored through cobbles while advancing casing.					
2.8 - 3.0		No Recovery, 43.0 ft - 45.0 ft, Cored through cobbles while advancing casing.	13-8-5-6 (13)				
3.0 - 3.2		A-4, SiSa, brn, Moist, Rec. = 0.45 ft	37-53 (R)	13.5	4.2	54.7	41.1
3.2 - 48.0		Hole stopped @ 48.0 ft					

Remarks:  
 1. At 34.5' the 4" casing bit wore out and the drillers sleived in a 3" casing.  
 2. Bit wore out at 48' and drilling was stopped.

Lab Note: Because of poor recovery, the gradations were performed with a smaller sample size than what is required.

Notes:  
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.  
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 BRISTOL BRO 1445(32).GPJ VERMONT AOT.GDT 5/31/13