



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 CONSTRUCTION AND  
 MATERIALS BUREAU  
 CENTRAL LABORATORY

BORING LOG

**Richmond**  
**BF 0284(28)**  
**US-2 Br #32**

Boring No.: **B-104**

Page No.: 1 of 1

Pin No.: 13c070

Checked By: CEE

Boring Crew: HOOK, JUDKINS, GARROW  
 Date Started: 9/10/15 Date Finished: 9/11/15  
 VTSPG NAD83: N 690795.54 ft E 1522634.05 ft  
 Station: 271+76.3 Offset: -19.50  
 Ground Elevation: 317.7 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 C = n/a

Groundwater Observations

Date	Depth (ft)	Notes
09/11/15	7.6	After Drilling.
09/11/15	7.6	Before Drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.66 ft					
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.4 ft	5-5-5-4 (10)	9.9	30.3	45.6	24.1
5		Cleaned out casing, 4.3 ft - 5.0 ft					
		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	9-35-11-6 (46)	12.6	47.4	40.9	11.7
10		Cleaned out casing, 8.9 ft - 10.0 ft					
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft	6-4-5-6 (9)	22.5	40.0	55.8	4.2
15		Cleaned out casing, 14.3 ft - 15.0 ft					
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.4 ft, Lab Note: Sample tested Non-Plastic.	3-3-3-3 (6)	16.8	40.0	35.2	24.8
20		A-1-b, Sa, gry, Moist, Rec. = 0.9 ft	3-2-3-3 (5)	21.8	3.3	87.2	9.5
25		Cleaned out casing, 24.3 ft - 25.0 ft					
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft	5-2-4-5 (6)	11.2	59.5	30.6	9.9
30		Cleaned out casing, 29.6 ft - 30.0 ft					
		A-3, Sa, gry, Moist, Rec. = 0.2 ft	6-3-4-5 (7)	23.5	7.0	85.9	7.1
35		No Recovery, 35.0 ft - 37.0 ft, Changed to Mud Drilling due to light gray sand. 35-40 feet.	9-7-7-6 (14)				
40		A-4, Si, Lt/gry, Moist, Rec. = 1.3 ft	4-5-5-6 (10)	28.4		16.6	83.4
Hole stopped @ 42.0 ft							
45		Remarks: Hole Collapsed at 7.8 feet.					

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 RICHMOND BF0284(28).GPJ VERMONT AOT.GDT 11/12/15