



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

BORING LOG

RICHMOND
 STP 0284(17)
 US-2

Boring No.: B-106

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Pin No.: 97C186

Checked By: CEE

Boring Crew: PORTER, WHITLOCK, HOLT
 Date Started: 2/09/12 Date Finished: 2/09/12
 VTSPG NAD83: N 701295.70 ft E 1507627.60 ft
 Station: 18+48 Offset: 40.00
 Ground Elevation: 303.6 ft

Type: H.S.A. SS
 I.D.: 3.5 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
02/09/12	9.2	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SaSiGr, brn, Moist, Sample off auger flight.		13.0	46.5	23.2	30.3
		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	31-40-35-38 (75)	9.6	14.6	64.3	21.1
5		A-2-4, SaSiGr, brn, Moist, Rec. = 1.5 ft	16-25-37-24 (62)	8.2	38.0	30.4	31.6
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.5 ft	9-11-17-9 (18)	10.4	25.9	45.5	28.6
		A-2-4, Sa, gry, MTW		17.9	3.1	77.6	19.3
10		A-4, Si with a Trace of Organics (2.6%), gry, Moist, Rec. = 1.3 ft	2-3-5-6 (8)	35.9	0.9	11.5	87.6
		A-4, Si with Little Organics (11.8%), Dk/gry, Moist, Rec. = 2.0 ft	WH-WH-3-2 (3)	62.1		6.9	93.1
20		A-4, Si with a Trace of Organics (2.1%), gry, MTW, Rec. = 2.0 ft	WH-WH-3-3 (3)	36.3	0.1	19.9	80.0
25		A-2-4, Sa, gry, Wet, Rec. = 1.5 ft	5-5-6-7 (11)	19.8	14.0	67.7	18.3
		Hole stopped @ 27.0 ft					
30		Remarks: 1. First sample was off auger flight, due to frost. 2. At 27.0 feet they could not keep wet sand from coming back into auger when trying to sample deeper.					

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 RICHMOND STP 0284(17).GPJ VERMONT AOT.GDT 3/28/12