

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-107					
		RICHMOND CMG PARK(31) US-2		Page No.: 1 of 1		Pin No.: 05K216					
		Checked By: CEE		Groundwater Observations							
Boring Crew: SALISBURY, GARROW		Casing Type: H.S.A.		Sampler: SS		Date: 03/22/12					
Date Started: 3/22/12 Date Finished: 3/22/12		I.D.: 3 in 1.5 in		Depth (ft): 17.5		Notes: While drilling.					
VTSPG NAD83: N 701520.40 ft E 1507681.70 ft		Hammer Wt: N.A. 140 lb.		Hammer Fall: N.A. 30 in.							
Station: 72+85 Offset: -56.00		Hammer/Rod Type: Auto/AWJ		Rig: CME 45C TRACK		C _e = 1.34					
Ground Elevation: 310.3 ft											
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
5		A-4, ClSi, gry, Moist, Rec. = 1.0 ft		2-2-2-3 (4)	23.4	2.6	97.4	30	8		
		A-4, Si, gry, Moist, Rec. = 1.2 ft		2-2-4-5 (6)	22.4	5.7	94.3	28	5		
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft		2-9-19-9 (28)	6.6	27.5	56.2	16.3			
10		A-4, Si, brn, Moist, Rec. = 1.2 ft		3-3-4-4 (7)	25.2	9.9	90.1				
		A-4, SiSa, brn, Moist, Rec. = 1.7 ft		2-3-2-3 (5)	16.7	53.3	46.7				
15		A-2-4, Sa, brn, Moist, Rec. = 1.8 ft		2-2-2-2 (4)	15.4	81.0	19.0				
20		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft		6-13-11 (24)	14.0	42.0	50.3	7.7			
25		A-1-b, GrSa, gry, Moist, Rec. = 1.0 ft		3-4-4-4 (8)	13.4	45.0	45.9	9.1			
Hole stopped @ 27.0 ft											
Remarks: 1. Used water in hole to prevent sand from coming up into hole starting at 15.0 foot sample.											
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 _e 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.											

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-108					
		RICHMOND CMG PARK(31) US-2		Page No.: 1 of 1		Pin No.: 05K216					
		Checked By: CEE		Groundwater Observations							
Boring Crew: PORTER, EWALD		Casing Type: H.S.A.		Sampler: SS		Date: 02/17/12					
Date Started: 2/17/12 Date Finished: 2/17/12		I.D.: 3.5 in 1.5 in		Depth (ft): 6.5		Notes: Hole collapsed. 6.5'					
VTSPG NAD83: N 701442.30 ft E 1507604.90 ft		Hammer Wt: N.A. 140 lb.		Hammer Fall: N.A. 30 in.							
Station: 72+33 Offset: 40.00		Hammer/Rod Type: Auto/AWJ		Rig: CME 45C SKID		C _e = 1.33					
Ground Elevation: 305.2 ft											
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %			
		Field Note: Asphalt Pavement				1.5	87.5	10.0	2.5		
		A-1-a, Gr (Crushed Rock Fill), brn, Moist, Taken from Auger Flight.									
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft		6-10-9-7 (19)	8.0	1.8	72.8	25.4			
5		A-4, SaSi, Dk/brn, Moist, Rec. = 1.4 ft, Trace of Wood.		6-5-6-6 (11)	23.8	7.7	25.7	66.6			
		A-4, Si, brn, Moist, Rec. = 1.7 ft		7-9-8-6 (17)	29.9	3.3	96.7				
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft		2-3-4-3 (7)	23.0	0.5	24.0	75.5			
10		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft		2-3-4-5 (7)	19.0	0.1	70.7	29.2			
15		A-1-a, SaGr, brn, Wet, Rec. = 0.8 ft		8-8-8-7 (16)	11.8	50.6	42.1	7.3			
20		A-1-a, SaGr, brn-gry, Wet, Rec. = 0.5 ft		2-1-WH-WH (1)	11.7	52.8	40.3	6.9			
25		A-1-b, GrSa, gry, Wet, Rec. = 1.4 ft		7-7-6-5 (13)	14.2	36.0	54.5	9.5			
Hole stopped @ 27.0 ft											
Remarks: 1. Used water in hole to prevent sand from coming up into hole starting at 15.0 foot sample.											
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 _e 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.											

PROJECT NAME: RICHMOND
 PROJECT NUMBER: STP 0284 (17)/ CMG PARK (31)
 FILE NAME: z97c186borlog.dgn PLOT DATE: 4/29/2013
 PROJECT LEADER: ERIK ATKINS DRAWN BY: N. BOSAN
 DESIGNED BY: N. BOSAN CHECKED BY: E. ATKINS
 BORING LOGS SHEET 3 SHEET 32 OF 133