

Boring Crew: Judkins, Garrow, Coletti
 Date Started: 6/15/16 Date Finished: 6/20/16
 VTSPG NAD83: N 690754.26 ft E 1522658.96 ft
 Station: 272+5.5 Offset: 18.50
 Ground Elevation: 316.5 ft

Type: WB Casing SS Sampler
 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 55 TRACK C_r = 1.41

Groundwater Observations
 Date 06/17/16 Depth 10.7 Notes W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		A-1-b, GrSa, brn, Dry, Rec. = 0.5 ft, Lab Note: Plant roots and pieces of broken glass were within sample				2-11-20-8 (31)	14.5	31.6	51.9	16.5
10		Field Note: Cleaned out casing A-4, SiSa, Dk/gry, Wet, Rec. = 1.0 ft, Lab Note: Plant material was within sample				3-2-1-2 (3)	42.3	9.9	52.1	38.0
20		A-2-4, SiSa, gry, Moist, Rec. = 0.7 ft				8-4-4-3 (8)	23.2	6.8	70.9	22.3
30		Field Note: Rollercone, Cleaned out casing A-3, Sa, brn, Moist, Rec. = 0.8 ft				9-4-4-4 (8)	23.3	2.0	89.7	8.3
40		Field Note: Rollercone, Cleaned out casing A-4, SiSa, brn, Moist, Rec. = 0.9 ft				18-8-4-5 (12)	24.0	0.1	54.0	45.9
50		A-2-4, Sa, brn, Moist, Rec. = 1.0 ft				21-7-7-5 (14)	21.9	0.1	82.2	17.7
55		A-2-4, Sa, brn, Moist, Rec. = 0.7 ft				17-27-25-22 (52)	19.3		80.7	19.3
60		Field Note: No Recovery				6-5-7-4 (12)				
65		A-2-4, Sa, gry, Moist, Rec. = 1.2 ft				WR-3-3 (3)	24.7	0.3	80.9	18.8
70		Field Note: Rollercone, Cleaned out casing								
75		Field Note: No sample attempted due to flowing sand								

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_r 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.

BOTTOM OF PILE CAP
 ELEV. 309.00
 ESTIMATED PILE
 LENGTH OF 85 FT
 BELOW PILE CAP

BORING LOG 2 RICHMOND BF0284(28).GPJ VERMONT AOT.GDT 8/2/16

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Groundwater Observations
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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
70		A-4, SaSi, gry, Moist, Rec. = 1.3 ft				16-20-20-25 (40)	22.4	0.1	40.9	59.0
75		A-4, SiSa, gry, Moist, Rec. = 1.1 ft				6-16-20-21 (36)	23.5		57.7	42.3
80		A-4, SaSi, gry, Moist, Rec. = 1.1 ft				7-23-21-20 (44)	24.4	0.3	47.8	51.9
85		A-4, SiSa, gry, Moist, Rec. = 1.3 ft				11-22-26-23 (48)	24.0	0.1	57.0	42.9
90										
95		A-4, SiSa, gry, Moist, Rec. = 1.3 ft				9-25-26-40 (51)	23.0	0.1	63.7	36.2
100										
105		Field Note: No sample attempted due to flowing sand								
110										
115		Field Note: Cleaned out casing 114.8 ft - 119.8 ft, Light gray to gray, Weakly foliated, quartz-biotite-muscovite-pyrite METAWACKE, Hard, Unweathered, Poor rock, BX, RMR=36	1 (80)	96 (0)	7 (6)					
120		119.8 ft - 124.8 ft, Light gray to gray, Schistose muscovite-biotite-quartz-pyrite METAWACKE, Hard, Unweathered, Fair rock, BX, RMR=54	2 (80)	98 (55)	8 (6)					
125		Hole stopped @ 124.8 ft								
130		Remarks: Hole collapsed at 19.9 feet. 1.) Started mud drilling at 10 feet. 2.) Switched to 3 inch casing at 65 feet.								

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