

Boring Crew: NTB/Mike Nadeau, MJR
 Date Started: 3/25/14 Date Finished: 3/25/14
 VTSPG NAD83: N 417515.93 ft E 1683416.13 ft
 Station: 250+29.29 Offset: 94.25
 Ground Elevation: 555.78 ft

Casing Sampler
 Type: Auger/WB SS
 I.D.: 4.5 in 2 in
 Hammer Wt: 300 lb. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto
 Rig: CME 50 CE = 1.33

Groundwater Observations
 Date: 03/25/14 Depth (ft): 10.2 Notes: After drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %		
										Date	Depth (ft)
2.5		A-2-4, SaSiGr, Rec. = 1.17 ft, (FILL)			3-7-7-7 (14)	16.8	23.4	47.4	29.2		
5.0		A-2-4, SaSiGr, Rec. = 1.83 ft, (FILL)			9-17-17-12 (34)	14.6	17.8	51.3	30.9		
7.5		A-1-b, GrSaSi, (FILL)			7.4	48.0	29.5	22.5			
10.0		A-2-4, SaSiGr, Rec. = 1.92 ft			15-14-16-8 (30)	10.8	26.8	41.6	31.6		
15.0		A-2-4, GrSaSi, Rec. = 1.08 ft			9-15-18-19 (33)	10.7	37.0	34.5	28.5		

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. CE is an estimated value.
 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.
 4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VDOT.

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										Date	Depth (ft)
27.5		Rec. = 0.17 ft, 25.0 ft - 27.0 ft			9-11-12-14 (23)						
30.0		Weathered bedrock									
30.0		30.0 ft - 33.0 ft, Gray-green ANDESITE, hard, 70° and 45° joint sets, closely spaced, slight to severe weathering, with quartz boudins.	1	58 (12.5)							
32.5		33.0 ft - 34.5 ft, Green-gray ANDESITE, hard, 45° to 0°, 90° joint sets, closely spaced, rough to smooth, moderately weathered.	2	66 (44)							
35.0		34.5 ft - 36.0 ft, Similar as above, vertical fracture in last 8" piece, very slight weathering.	3	100 (69)							
36.0		Hole stopped @ 36.0 ft									

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