



Boring Crew: M. Blakely, D. Spielvogel  
Date Started: 1/30/12 Date Finished: 2/01/12  
VTSPG NAD83: N 401678.54 ft E 1510083.41 ft  
Station: 102+93.00 Offset: 17.2 R  
Ground Elevation: 526.5 ft

Casing Sampler  
Type: WB SS  
I.D.: 3 in 1.5 in  
Hammer Wt: 140 lb. 140 lb.  
Hammer Fall: 30 in. 30 in.  
Hammer/Rod Type: Manual/NW  
Rig: CME 550 ATV CE = 1

Groundwater Observations		
Date	Depth (ft)	Notes
01/30/12	6.5	Estimated

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Groundwater Observations						
				Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		(SM), f.m.c. SAND, Some Silt, trace silt, trace organics, loose, brown, moist, Rec. = 1.1 ft		8-4-2-4 (6)						
		(SP), f.m.c. SAND, Some f.c. Gravel, little silt, medium compact, brown, moist, Rec. = 0.9 ft		4-8-8-7 (16)						
		(SP), Similar Soil, Rec. = 0.3 ft		5-10-9 (20)						
		(SP), becomes wet, Rec. = 0.5 ft		8-8-4-12 (12)						
10		(GM), f.c. GRAVEL, Some f.m.c. Sand, little silt, trace organics, medium compact, brown, wet, Rec. = 0.1 ft		10-16-9-5 (25)						
		(SM), f.m.c. SAND, Some Silt, trace f. gravel, trace organics, very loose, brown, wet, Rec. = 1.3 ft		2-2-2-2 (4)						
15		(SM), becomes very loose		2-1-3-1 (4)						
		(SM), Similar Soil, Rec. = 1.3 ft		7-4-4-8 (8)						
20		No Recovery, Rec. = 0.0 ft		7-4-4-8 (8)						
25		(SM), f.m.c. SAND, Some f.c. Gravel, little silt, medium compact, light brown, wet, Rec. = 0.4 ft		7-15-7-7 (24)						
		(SM), f.m.c. SAND, little silt, medium compact, light brown, wet, Rec. = 0.4 ft		19-8-8-12 (16)						
35		(ML)		WH-5-4-5 (9)						
		(ML), SILT, Some f. Sand, loose, light brown, wet, Rec. = 1.6 ft		WR-11-14-15 (25)						
45		(ML), SILT, Some f.m.c. Sand, little f.c. gravel, medium compact, brown, wet, Rec. = 0.5 ft		WR-11-14-15 (25)						
		(SM)		24-24-7-12						
45		(SM), f.m.c. SAND, Some f.c. Gravel, little silt, compact, brown, wet, Rec. = 0.6 ft		24-24-7-12						

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.



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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Groundwater Observations						
				Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
50		(SM), Cobbles/Boulders	R-1	60 (0)	(31)					
		(SM), Cobbles/Boulders	R-2	40 (0)						
55		(SM), f.m.c. SAND, little silt, little f.c. gravel, very compact, brown, wet, Rec. = 0.3 ft			100/3" (R)					
		(SM), f. SAND, Some Silt, very compact, brown, wet, Rec. = 0.4 ft			37-50/4" (R)					
65		(SM-TILL)			100/3" (R)					
		(SM-TILL), f. SAND, Some Silt, little f.c. gravel, very compact, gray, wet, Rec. = 0.3 ft			100/3" (R)					
70		(SM-TILL), f.m.c. SAND, Some Silt, Some f.c. Gravel, very compact, gray, wet, Rec. = 0.1 ft			100/4" (R)		37.3	39.3	23.4	
		(SM-TILL), Similar Soil, Rec. = 0.5 ft			83-50/1" (R)					
75		(SM-TILL), Similar Soil, Rec. = 0.5 ft			74-50/1" (R)					
		Hole stopped @ 77.6 ft								
80		Remarks: Running sand occurred prior to sampling S-8.								
		The description of the classification of the materials is based on USCS criteria that gravel is defined as material retained on a #4 sieve or larger. Laboratory data provided follows AASHTO classification guidelines that gravel is defined as material retained on a #10 sieve or larger.								

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