

Boring Crew: M. Blakely, D. Spielvogel  
 Date Started: 2/21/12 Date Finished: 2/24/12  
 VTSPG NAD83: N 401671.18 ft E 1509812.06 ft  
 Station: 100+23.00 Offset: 1.9 L  
 Ground Elevation: 529.8 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  
 02/21/12 9.8 Estimated

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5	XXXX	ASPHALT PAVEMENT (FILL)							
5-10	XXXX	(FILL), f.m.c. SAND, little silt, medium compact, brown, wet, Rec. = 0.1 ft			6-6-7-7 (13)				
10-15	(SM)	(SM), f.m.c. SAND, little silt, little f.c. gravel, medium compact, brown, wet, Rec. = 0.1 ft			14-13-9-4 (22)				
15-20	(GM)	(GM), f.c. GRAVEL, And f.m.c. SAND, Some Silt, very compact, brown, wet, Rec. = 0.6 ft			10-36-27-17 (R)				
20-25	(GM)	(GM), f.c. GRAVEL, And f.m.c. SAND, little silt, very compact, brown, wet, Rec. = 0.0 ft			108-50/2" (R)				
25-30	(GM)	(GM), f.c. GRAVEL, And f.m.c. SAND, little silt, very compact, brown, wet, Rec. = 1.0 ft			47-73-50/4" (R)	56.7	28.3	15.0	
30-35	(GM)	(GM), Similar Soil, Rec. = 1.4 ft			29-50-41-48 (R)				
35-40	(GM)	(GM), Similar Soil, Rec. = 0.6 ft			73-50/3" (R)				
40-45	(GM)	(GM), Similar Soil, Rec. = 1.0 ft			31-54-46-50/4" (R)				
45-46	(SM-TILL)	(SM-TILL)							
46-48	(SM-TILL)	(SM-TILL), f. SAND, Some clayey Silt, very compact, gray, wet, Rec. = 0.6 ft			51-50/3"				

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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50-55	XXXX	(SM-TILL), Cobbles/Boulders, Rec. = 0.0 ft (SM-TILL), Cobbles/Boulders							
55-58		(SM-TILL), f.m.c. SAND, Some Silt, little f.c. gravel, very compact, gray, wet, Rec. = 0.2 ft Hole stopped @ 52.8 ft							
58-60		Remarks: A piece of c. gravel was lodged in the shoe of sample S-2 when first driven. Soil description based upon sample recovery of second spoon driven at the same depth.							
60-65		No recovery was recorded on the first spoon of sample S-4. Soil description based upon sample recovery of second spoon driven at the same depth. Boulders and cobbles were encountered while driving and washing casing below a depth of 14 feet. Boring was advanced open hole below a depth of 44 feet.							
65-70		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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