



Boring Crew: D. Lyons, D. Spielvogel  
Date Started: 9/24/13 Date Finished: 9/26/13  
VTSPG NAD83: N 91341.96 ft E 1473925.83 ft  
Station: 11+52.00 Offset: 3.5 LT  
Ground Elevation: 1794.0 ft

Type: H.S.A. SS  
I.D.: 4.25 in 1.38 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 55 TRUCK CE = 1.3

Groundwater Observations		
Date	Depth (ft)	Notes
09/25/13	10.0	Beginning of Day

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/(N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	x x x	A-1-b, <b>f.c. SAND</b> , little silt, little f.c. gravel, medium compact, brown, moist, Rec. = 1.5 ft, (FILL)			21-13-9-8 (22)		24.7	54.7	20.6
	x x x	A-1-b, <b>Similar Soil</b> , Rec. = 1.2 ft, (FILL)			8-7-5-5 (12)				
	x x x	A-1-b, becomes loose, Rec. = 1.6 ft, (FILL)			6-5-5-5 (10)				
	x x x	A-1-b, becomes medium compact, Rec. = 1.6 ft, (FILL)			4-6-5-5 (11)				
	x x x	A-1-b, becomes loose, Rec. = 1.4 ft, (FILL)			3-3-4-4 (7)				
10	x x x	A-1-b, <b>f.c. SAND</b> , Some Silt, Some Wood, very loose, brown, wet, Rec. = 0.4 ft, (FILL)			1-1-1-1 (2)				
15		A-1-b, <b>f.c. SAND</b> , Some Silt, little f.c. gravel, medium compact, brown/black, wet, Rec. = 1.6 ft			4-3-12-41 (15)				
		A-1-b, <b>f.c. SAND</b> , Some f.c. Gravel, little silt, medium compact, brown, wet, Rec. = 0.4 ft, (Glacial Till)			19-5-6-7 (11)		32.0	43.1	24.9
		A-1-b, becomes compact, Rec. = 1.3 ft, (Glacial Till)			18-19-22-24 (41)				
20		A-1-b, becomes very compact, Rec. = 1.6 ft, (Glacial Till)			36-37-30-29 (67)				
25		A-1-b, <b>Similar Soil</b> , Rec. = 1.5 ft, (Glacial Till)			18-35-29-29 (64)				
30		A-1-b, <b>Similar Soil</b> , Rec. = 1.0 ft, (Glacial Till)			36-32-26-22 (58)				
35		A-1-b, <b>Similar Soil</b> , Rec. = 0.5 ft, (Glacial Till)			26-50/0.2 (R)				
40		A-1-b, <b>Similar Soil</b> , Rec. = 1.0 ft, (Glacial Till)			29-42-50/0.3 (R)				
		44.0 ft - 54.0 ft, Gray, Granite, Hard, Slightly weathered, Excellent rock,	R-1	100	Top of Bedrock @ 44.0 ft				

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. <SUB><SUB> 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		NXDC			(92)				
55		Hole stopped @ 54.0 ft							

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