



Boring Crew: C. Mitrish (Platform), A. Baribault (GeoDesign)  
Date Started: 5/26/15 Date Finished: 5/26/15  
VTSPG NMBB3: N 671742.00 N E 1479153.00 N  
Station: 288+01 Offset: 41' RT  
Ground Elevation: 374 N

Casing Sampler  
Type: AUGER SS  
I.B.: 4.25 in 1.38 in  
Hammer Mt: H.A. 140 lb.  
Hammer Fall: H.A. 30 in.  
Hammer/Rod Type: Auto/MTM  
Qty: Geoprobe 78220T CE = 1.35

Groundwater Observations (3)		
Date	Depth (ft)	Notes
05/26/15	11.8	1st Sample.
05/26/15	11.5	In open hole.

Depth (ft)	Strat(1)	CLASSIFICATION OF MATERIALS (Description)	Moisture Content (%)	Moisture Content (%)	Gravel %	Sand %	Fines %	LL %	PI %
2.5	***	S1 (0'-2'): Very loose/very soft, brown to gray-brown mottled SILT grading to CLAY & SILT toward bottom, some fine Sand, trace Root and Grass (Upper 6"), moist. (Reworked Clay FN) Res. = 1.3 N (ASTM D145 Classification: A-6.)	W01-1-1 (3)	22.0	6.2	21.2	78.8	31	13
2.5	***	S2 (2'-4'): Very soft, brown with occasional gray mottling CLAY & SILT, little fine to coarse Sand, little fine Gravel, trace Root Fibers, moist. (Reworked Clay FN) Res. = 1.2 N (ASTM D145 Classification: A-6.)	W01-1-2 (6)	23.0	15.1	12.7	72.2	34	16
5.0	***	S3 (4'-6'): Loose / Medium, brown with gray and orange mottling fine to coarse SAND, some Clay & SILT, little fine to coarse Gravel (lower 6"), trace Cotton Fabric, moist. (Reworked Clay FN) Res. = 1.2 N (ASTM D145 Classification: A-2-6.)	3-3-1-6 (7)	18.1	25.3	44.2	38.5	33	17
7.5	***	S4 (6'-8'): Medium dense, tan and gray fine to coarse SAND and SILT, some fine to coarse Gravel, moist (some areas very moist). Res. = 1.8 N (ASTM D145 Classification: A-4.)	5-7-2-6 (13)	9.8	33.5	38.3	38.2	NP	NP
10.0	***	S5 (8'-10'): Medium dense, tan and gray fine to coarse SAND & SILT, little fine to coarse Gravel, moist. Res. = 1.5 N (ASTM D145 Classification: A-4.)	4-6-9-13 (15)	11.1	27.3	33.9	38.8	NP	NP
12.5	***	S6 (10'-12'): Dense, tan and gray SILT and fine to coarse SAND, little fine to coarse Gravel, moist (bottom 2' wet). Res. = 2.0 N (ASTM D145 Classification: A-4.)	8-10-16-14 (21)	8.8	24.3	28.1	47.8	NP	NP
15.0	***	S7 (15'-17'): Dense, gray fine to coarse SAND, some SILT, some fine to coarse Gravel, wet. Res. = 1.5 N (ASTM D145 Classification: A-2-4.)	14-14-19-18 (22)	8.4	38.9	38.9	32.2	NP	NP
17.5	***	S8 (18'-19.5'): Refused, gray fine to coarse SAND, some SILT, some fine to coarse Gravel, moist. Res. = 0.8 N (ASTM D145 Classification: A-2-4.)	47-20/5 (8)	7.0	38.4	34.7	28.9	NP	NP

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. If values have not been corrected for hammer energy, CE is the hammer energy correction factor.  
3. Water level readings have been made of time and other conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.



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25.0	***	S9 (24'-25.5'): Refused, gray fine to coarse SAND, some fine to coarse Gravel, some SILT, moist. Res. = 1.3 N (ASTM D145 Classification: A-2-4.)	41-61-88 (4)	7.1	48.2	33.9	25.9	NP	NP
25.0	Hole stopped @ 25.5 ft Spill upon refusal.								
27.5	Hole stopped @ 25.5 ft Spill upon refusal.								
30.0	Hole stopped @ 25.5 ft Spill upon refusal.								
32.5	Hole stopped @ 25.5 ft Spill upon refusal.								
35.0	Hole stopped @ 25.5 ft Spill upon refusal.								
37.5	Hole stopped @ 25.5 ft Spill upon refusal.								

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VERTICAL SCALE (ft) 20'-0.0' UNITS/INCHES/1"=20' 2/24/15

VERTICAL SCALE (ft) 20'-0.0' UNITS/INCHES/1"=20' 7/23/15