



Boring Crew: T. Farrell (SAB), M. Hagadorn (GeotDesign)
Date Started: 6/03/15 Date Finished: 6/03/15
VTSPG INFO: N 671501.00 H E 1479134.00 H
Station: 267+56 Offset: 46' LT
Ground Elevation: 308 H

Casing Sampler
Type: AUGER SS
I.D.: 4.25 in 1.38 in
Hammer Mt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Red Type: Auto/MTJ
Rig: CME SSBK ATV CE = 1.35

Groundwater Observations (3)

Date	Depth (ft)	Notes
06/03/15	6.0	Inferred from 02.

Depth (ft)	Strat (1)	CLASSIFICATION OF MATERIALS (Description)	Pen (lb/ft)	Core Log # (ft)	Soil Log # (ft)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 2.5	***	Remarked Clay Fill (Inferred from 02)									
2.5 - 3.5	***	Sandy Clay & Silt (Inferred from 02)									
3.5 - 7.5	***	Silty Clay (Inferred from 02)									
7.5 - 15.0	***	Coarsely Sand & Silt (Inferred from 02)									
15.0 - 17.5	***	Clayey Till (Inferred from 02)									
17.5 - 25.0	***	S1 (18'-20'): Very dense, gray fine to coarse SAND, some fine to coarse Gravel, some SM, mod. Res. = 1.0 H (ANSIMO W145 Classification: A-1-b.)				25-37 (7.3)	5.6	44.5	31.0	24.5	MP

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. If SPT data and blow counts recorded for hammer energy, CE is the hammer energy correction factor.
3. Moisture and density data were not obtained. Moisture of groundwater may occur due to other factors than those present at the time measurements were made.



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0.0 - 22.5	***	S2 (20'-22') Dense, gray fine to coarse SAND, some fine to coarse Gravel, some SM, mod. Res. = 1.2 H (ANSIMO W145 Classification: A-1-b.)				49-72 (14.7)	7.4	35.7	38.0	25.3	MP
22.5 - 27.1	C1	C1 (22.1'-27.1'): Fair quality, moderately hard to hard, fresh, dense to moderate jointing, gray with infrequent white banding SOLOSTONE. Moderate reaction to dilute HCl when powdered. Jointing from near horizontal to ~45 degrees.	2.8	07 (74)							
27.1 - 37.5		<p>27.1' - 37.5' : Hole stopped @ 27.1 H Cored 5' into inferred bedrock.</p> <p>Remarks: 1. Ground surface elevation, marking, casing, station, and offset shown are approximated from files made from existing features in the field by GeotDesign personnel, the Preliminary Plan Set prepared by VHS and dated 4/30/2015, and an electronic site plan titled "2046304.dgn" provided by VHS via email on June 26, 2015. 2. Visual soil descriptions are per the Burmister system. Laboratory gradations where applicable were performed by VTrans and are per ANSIMO W145. 3. Augered directly to 18' and began sampling. Inter the upper 18' of lithology from the adjacent boring 0-2. 4. Inferred cobbles/boulder between 20' and 20.5' deep from auger grinding. 5. Hollow stem auger refusal at 22.1' deep, set up to core. 6. Core block encountered almost immediately after beginning core run C1, removed and continued. Top of sample contains refer 10' markings from cleanout. 7. Medium speed for first 0.5'; high speed for remainder of core run. 8. Considered milky gray discharge for entire length of core. 9. Backfilled with bentonite and cuttings. 10. Hammer energy is assumed.</p>									

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