

SOIL BORING LOGS

 GEODESIGN INCORPORATED P.O. Box 699 Windsor, VT 05089 Tel: (802) 874-2033 1233 Shelburne Road, Suite E-1 South Burlington, VT 05403 Tel: (802) 652-6140		BORING LOG Project Name Shelburne-South Burlington NH EGC 019-4(19)		Boring No.: B-206A Page No.: 1 of 1 File No.: 750-03.8 Checked By: RSA						
Boring Company: M&W Soils Engineering Foreman: Mike Hitchcock GeoDesign Rep.: Rob Achilles Date Started: September 24, 2002 Date Finished: September 24, 2002 N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): 194.7 Station: 37253 Offset: 54.0 R.L.		Type: H.S.A. SS I.D./O.D.: 3.25 in. 2.0 in. Hammer Wt.: NA 140 lbs <input checked="" type="checkbox"/> 9/24/02 12:00 PM Hammer Fall: NA 30 in. <input checked="" type="checkbox"/> 9/24/02 3:20 PM Rig Type: Acker Soil Max <input checked="" type="checkbox"/> Other: Truck mounted <input checked="" type="checkbox"/>		Groundwater Observations Date and Time Depth (ft) Elevation (ft) Notes rmrk (12.5') open hole						
Depth (ft)	Casing Blowoffs	Sample Information				Blows / 6 inch Interval	Coring Time (min./ft)	PID Result	Sample Description	Strata Description
		Number	Type	Penetration (inches)	Recovery (percent)					
	1	SS	24.0	14.0	0.0	2 4 8 10	-	S-1 Top 4" - TOPSOIL. Bottom 11" - Medium dense, brown fine SAND and SILT, moist.	SILT and SAND (Fill) 186.2 8.5 SILT and SAND 182.5 12.2 Bottom of Borehole at 12.2 ft	
	2	SS	24.0	10.0	2.0	10 12 13 14	-	S-2) Medium dense, light brown fine SAND and SILT, dry.		
	3	SS	24.0	12.0	4.0	9 9 50/2"	-	S-3) Similar to S-2, except very dense.		
	4	SS	24.0	8.0	6.0	9 5 9 10	-	S-4) Top 6" - Similar to S-2, except moist. Bottom 2" - Brown-black, soft spongy wood, moist.		
	5	SS	22.0	10.0	8.0	10 9 13 50/4"	-	S-5) Top 6" - Similar to S-2. Bottom 4" - Brown SILT and fine to medium SAND, trace fine Gravel, dry.		
	6	SS	8.0	8.0	10.0	41 50/3"	-	S-6) Very dense, brown fine to medium SAND, some SILT and fine to coarse Gravel, moist.		
(0'): Groundsurface elevation based on hand level survey from proposed VAOT staked boring location. Location is estimated from site plan based on locations taped from proposed VAOT staked boring location and plotted by GeoDesign. (12.2): Auger refusal on possible cobble or boulder. Refer to B-206B located 4' north of this boring for sample descriptions below 12.2 ft. (12.2'): Groundwater was not encountered during drilling.										
Notes: 1) Soil Samples screened in the field using a thermal Environmental Systems Model 5805 Photoluminescence Detector. The meter was calibrated relative to a benzene-in-air standard. ND = None Detected, - = Sample Not Screened 2) Stratification Lines Represent Approximate Boundary Between Material Types, Transitions May Be Gradual. 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. AC = After Coring Rock 4) Sample Type Coding: A = Auger, C = Core, PS = Piston Sampler, SS = Split Barrel (Split Spoon), ST = Shelby Tube, V = Vane 5) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%										

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Boring Company: M&W Soils Engineering Foreman: Mike Hitchcock GeoDesign Rep.: Rob Achilles Date Started: September 24, 2002 Date Finished: September 24, 2002 N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): 194.7 Station: 37257 Offset: 54.0 R.L.		Type: H.S.A. SS I.D./O.D.: 3.25 in. 2.0 in. Hammer Wt.: NA 140 lbs <input checked="" type="checkbox"/> 9/24/02 12:00 PM Hammer Fall: NA 30 in. <input checked="" type="checkbox"/> 9/24/02 3:30 PM Rig Type: Acker Soil Max <input checked="" type="checkbox"/> Other: Truck mounted <input checked="" type="checkbox"/>		Groundwater Observations Date and Time Depth (ft) Elevation (ft) Notes rmrk (20.5') 10						
Depth (ft)	Casing Blowoffs	Sample Information				Blows / 6 inch Interval	Coring Time (min./ft)	PID Result	Sample Description	Strata Description
		Number	Type	Penetration (inches)	Recovery (percent)					
									SILT and SAND (Fill) 186.2 8.5 SILT and SAND 179.7 15.0 GLACIAL TILL 174.1 20.6 Bottom of Borehole at 20.5 ft	
	5									
	10									
	15	1	SS	6.0	6.0	15.0 60/6"	-	S-1) Very dense, brown SILT and fine to medium SAND, moist.		
	20	2	SS	6.0	4.0	20.0 70/6"	-	S-2) Very dense, gray SILT and SAND, trace fine Gravel, moist.		
(0'): Groundsurface elevation based on hand level survey from proposed VAOT staked boring location. Location is estimated from site plan based on locations taped from proposed VAOT staked boring location and plotted by GeoDesign. (4-5' & 13-14'): Observed higher drilling resistance through possible cobbles or boulders. (0-10'): Boring advanced without sampling to 15 feet. Refer to boring B-206A located 4' south of this boring for sample description information above 15 feet. (20.5'): Groundwater was not encountered during drilling. Borehole was left open for groundwater and observed for the remainder of the drilling day.										
Notes: 1) Soil Samples screened in the field using a thermal Environmental Systems Model 5805 Photoluminescence Detector. The meter was calibrated relative to a benzene-in-air standard. ND = None Detected, - = Sample Not Screened 2) Stratification Lines Represent Approximate Boundary Between Material Types, Transitions May Be Gradual. 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. AC = After Coring Rock 4) Sample Type Coding: A = Auger, C = Core, PS = Piston Sampler, SS = Split Barrel (Split Spoon), ST = Shelby Tube, V = Vane 5) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%										

DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

SHELburne - SOUTH BURLINGTON

SURVEYED BY V.S.C. INC. DATE
 DRAWN BY E.A.A. INC. DATE
 TRACED BY E.A.A. INC. DATE

PROJECT NH-EGC-019-4(28)
 SOIL BORING DRAWING NO. 1
 SHEET NO. 225 OF 283

4/4/03