

SOIL BORING LOGS

GEODESIGN INCORPORATED P.O. Box 699 Windsor, VT 05089 Tel: (802) 674-2033 1233 Shelburne Road, Suite E-1 South Burlington, VT 05403 Tel: (802) 652-5140		BORING LOG Project Name Shelburne-South Burlington NH EGC 019-4(19)		Boring No.: B-201A/B 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): _____ Station: 26583 Offset: 37.0 ft R		Casing: S.S.A. Sampler: SS Type: _____ I.D./O.D.: 3.25 in. 2.0 in. Hammer Wt.: NA 140 lbs Hammer Fall: NA 30 in. Rig Type: Acker Soil Max Other: Truck mounted		Groundwater Observations <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Date and Time</th> <th>Depth (ft)</th> <th>Elevation (ft)</th> <th>Notes</th> </tr> <tr> <td>9/24/02 10:00 AM</td> <td></td> <td></td> <td>dry</td> </tr> </table>		Date and Time	Depth (ft)	Elevation (ft)	Notes	9/24/02 10:00 AM			dry			
Date and Time	Depth (ft)	Elevation (ft)	Notes													
9/24/02 10:00 AM			dry													
Depth (ft)	Sample Information										Sample Description	Symbol	Strata Description			
	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval							Coring Time (min./ft)	PID Result	
		1	SS	24.0	10.0	0.0	1	2	7	16				S-1) Top 4" - TOPSOIL. Bottom 6" - Loose, brown SILT, some Root Fibers, moist.		SILT (Fill)
		2	SS	24.0	12.0	2.0	15	25	25	15				S-2) Very dense, brown SILT and fine to medium SAND, little fine to coarse Gravel, moist.		2.0 SILT and SAND
5																4.1 Bottom of Borehole at 4.1 ft
10																
15																
20																
25																
30																
Remarks (0'): Location is estimated from site plan based on locations taped from existing features and plotted by GeoDesign. (0'): Bedrock outcrop/cut was observed along both sides of VT Route 7 south of borehole. (4'): Refusal with solid stem auger (SSA) on probable bedrock. (4.1'): A second boring (B-201B) was attempted approximately 3' north of first boring (B-201A). Boring B-201B was advanced using SSA without sampling to refusal on probable bedrock at 4.1'.													Boring No. B-201A/B			
Notes: 1) Soil Samples screened in the field using a thermal Environmental Systems Model 5805 Photoionization 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%													Boring No. B-201A/B			

GEODESIGN INCORPORATED P.O. Box 699 Windsor, VT 05089 Tel: (802) 674-2033 1233 Shelburne Road, Suite E-1 South Burlington, VT 05403 Tel: (802) 652-5140		BORING LOG Project Name Shelburne-South Burlington NH EGC 019-4(19)		Boring No.: B-202A Page No.: 1 of 1 File No.: 750-03.8 Checked By: RSA												
Boring Company: M&W Soils Engineering Foreman: Mike Hitchcock GeoDesign Rep.: Aaron Humphrey Date Started: September 9, 2002 Date Finished: September 9, 2002 N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): 173.8 Station: 28660 Offset: 51.0 ft R		Casing: H.S.A. Sampler: SS Type: _____ I.D./O.D.: 3.25 in. 2.0 in. Hammer Wt.: NA 140 lbs Hammer Fall: NA 30 in. Rig Type: Acker Soil Max Other: Truck mounted		Groundwater Observations <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Date and Time</th> <th>Depth (ft)</th> <th>Elevation (ft)</th> <th>Notes</th> </tr> <tr> <td>9/9/02 5:00 PM</td> <td></td> <td></td> <td>rmk (19')</td> </tr> </table>		Date and Time	Depth (ft)	Elevation (ft)	Notes	9/9/02 5:00 PM			rmk (19')			
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		1	SS	24.0	15.0	0.0	3	4	3	2				S-1) Top 3" - TOPSOIL. Bottom 12" - Loose, brown fine to medium SAND, little SILT, trace Root Fibers, trace fine Gravel, dry.		SILT and SAND (Fill)
		2	SS	24.0	14.0	2.0	4	4	5	5				S-2) Stiff, brown-black SILT and CLAY, laminated, some fine to medium SAND, trace organics, moist.		171.8 2.0 CLAY and SILT
5														S-3) Stiff, brown layered Silty CLAY, some fine SAND, moist.		
														S-4) Very stiff, brown to gray SILT and CLAY, laminated, trace fine SAND, moist.		
10														S-5) Similar to S-4.		
15														S-6) Soft, dark gray Silty CLAY, moist.		
														S-7) Similar to S-6.		
20																154.8 19.0 Bottom of Borehole at 19.0 ft
25																
30																
Remarks (0): Boring performed at proposed VAOT staked boring location. Groundsurface elevation and station/offset based on VAOT survey data. (19'): Groundwater was not encountered during drilling. Borehole was left open for observation until end of drilling on 09/10/02. Borehole had collapsed below a depth of 6' before obtaining a groundwater observation.													Boring No. B-202A			
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DATUM
VERTICAL NGVD 1929
HORIZONTAL NAD 1927

4/13/04

SHELBURNE

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(27)
 SOIL BORING DRAWING NO. 1
 SHEET NO. 427 OF 537