

BORING LOG		Boring No.:	B-37
Project Name		Page No.:	1 of 1
Knapp Airport		File No.:	965-03
Berlin, Vermont		Checked By:	KEW/AMH
<p>GEODESIGN INCORPORATED Geotechnical Engineers-Environmental Consultants-Construction Engineers P.O. Box 699 Windsor, VT 05089 Phone: 802-674-2033 Fax: 802-674-5943 1233 Shelburne Rd, Suite 360 South Burlington, VT 05403 Phone: 802-652-5140</p>			
Boring Company: Specialty Drilling & Investigation Foreman: Chris Aldrich GeoDesign Rep.: Dan Howey Date Started: July 18, 2006 Date Finished: July 18, 2006 N. Coordinate: E. Coordinate: Ground Surface Elevation (feet): Station: Offset: ft		Casting: Samplers: Groundwater Observations Type: H.S.A. SS Date Depth (ft) Elev. (ft) Notes L.D.: 2.25 in. 1.38 in. Hammer WL: NA 140 lbs Σ 7/18/06, 0:00 None observed Hammer Fall: NA 30 in. Σ Rig Type: Simco 2800 Σ Hammer Type: Safety Hammer Σ	
Sample Information		Sample Description	
Depth (ft)	Coring Interval (ft)	Strata Description	Symbol
1	SS 24 13 0	Topsoil Sandy Silt	1
2	SS 24 16 2	Medium dense, brown SILT, and (-) fine Sand, little fine Gravel, trace Root fibers, (moist)	2
3	SS 24 0 4	Dense, no recovery	3
4	SS 24 15 6	Very dense, brown SILT, some (+) fine to coarse Sand, trace fine Gravel, (moist)	4
5	SS 24 9 8	Very dense, brown SILT, little fine to coarse Sand, trace fine Gravel, (moist)	5
10		Bottom of Exploration at 10.0 ft	10
Notes: 1) Soil Samples returned to the field using a Thermal Environmental Systems Model 8000 Photohazardless Indicator (unless otherwise noted in Remarks). The indicator was calibrated relative to a known in situ standard. S.S. = Non-Saturated, S.E. = Not Saturated, S.A. = Not Applicable. S.S. = Not of Sample 2) Water level readings have been made at three and under conditions stated. Deviations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After setting S.S. = Not Saturated. 3) Sample Type Coding: A = Auger; C = Core; B = Borehole; G = Gravel; FS = Plastic Sample; SS = Split Barrel (Split Spoon); ST = Shelby Tube; Y = Yank; W/S = Weight of Soil/Volume 4) Proportions based on: 1 = 100; 100 = 10-200; 100 = 10-200; and = 10-200 5) Deviations from reported approximate boundary between material types. Deviations may be gradual.			
Boring No.:		B-37	

BORING LOG		Boring No.:	B-38
Project Name		Page No.:	1 of 1
Knapp Airport		File No.:	965-03
Berlin, Vermont		Checked By:	KEW/AMH
<p>GEODESIGN INCORPORATED Geotechnical Engineers-Environmental Consultants-Construction Engineers P.O. Box 699 Windsor, VT 05089 Phone: 802-674-2033 Fax: 802-674-5943 1233 Shelburne Rd, Suite 360 South Burlington, VT 05403 Phone: 802-652-5140</p>			
Boring Company: Specialty Drilling & Investigation Foreman: Chris Aldrich GeoDesign Rep.: Dan Howey Date Started: July 18, 2006 Date Finished: July 18, 2006 N. Coordinate: E. Coordinate: Ground Surface Elevation (feet): Station: Offset: ft		Casting: Samplers: Groundwater Observations Type: H.S.A. SS Date Depth (ft) Elev. (ft) Notes L.D.: 2.25 in. 1.38 in. Hammer WL: NA 140 lbs Σ 7/18/06, 0:00 None observed Hammer Fall: NA 30 in. Σ Rig Type: Simco 2800 Σ Hammer Type: Safety Hammer Σ	
Sample Information		Sample Description	
Depth (ft)	Coring Interval (ft)	Strata Description	Symbol
1	SS 24 8 0	Topsoil Sandy Silt	1
2	SS 24 9 2	Medium dense, brown ORGANIC SILT, trace fine to coarse Sand, trace Root fibers, (moist)	2
3	SS 24 14 2	Dense, brown SILT, some fine to coarse Sand, little (-) fine to coarse Gravel, (moist)	3
4	SS 24 21 4	Dense, gray SILT and fine to coarse SAND, (moist)	4
5	SS 23.5 19 6	Very dense, brown SILT (layered), some (+) fine to coarse Sand, little fine to coarse Gravel, (moist)	5
10		Bottom of Exploration at 8.0 ft	10
Notes: 1) Soil Samples returned to the field using a Thermal Environmental Systems Model 8000 Photohazardless Indicator (unless otherwise noted in Remarks). The indicator was calibrated relative to a known in situ standard. S.S. = Non-Saturated, S.E. = Not Saturated, S.A. = Not Applicable. S.S. = Not of Sample 2) Water level readings have been made at three and under conditions stated. Deviations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After setting S.S. = Not Saturated. 3) Sample Type Coding: A = Auger; C = Core; B = Borehole; G = Gravel; FS = Plastic Sample; SS = Split Barrel (Split Spoon); ST = Shelby Tube; Y = Yank; W/S = Weight of Soil/Volume 4) Proportions based on: 1 = 100; 100 = 10-200; 100 = 10-200; and = 10-200 5) Deviations from reported approximate boundary between material types. Deviations may be gradual.			
Boring No.:		B-38	

BORING LOG		Boring No.:	B-39
Project Name		Page No.:	1 of 1
Knapp Airport		File No.:	965-03
Berlin, Vermont		Checked By:	KEW/AMH
<p>GEODESIGN INCORPORATED Geotechnical Engineers-Environmental Consultants-Construction Engineers P.O. Box 699 Windsor, VT 05089 Phone: 802-674-2033 Fax: 802-674-5943 1233 Shelburne Rd, Suite 360 South Burlington, VT 05403 Phone: 802-652-5140</p>			
Boring Company: Specialty Drilling & Investigation Foreman: Chris Aldrich GeoDesign Rep.: Dan Howey Date Started: July 18, 2006 Date Finished: July 18, 2006 N. Coordinate: E. Coordinate: Ground Surface Elevation (feet): Station: Offset: ft		Casting: Samplers: Groundwater Observations Type: H.S.A. SS Date Depth (ft) Elev. (ft) Notes L.D.: 2.25 in. 1.38 in. Hammer WL: NA 140 lbs Σ 7/18/06, 0:00 None observed Hammer Fall: NA 30 in. Σ Rig Type: Simco 2800 Σ Hammer Type: Safety Hammer Σ	
Sample Information		Sample Description	
Depth (ft)	Coring Interval (ft)	Strata Description	Symbol
1	SS 24 18 0	Topsoil Sandy Silt	1
2	SS 24 14 2	Dense, brown SILT, some (+) fine to coarse Sand, little fine to coarse Gravel, trace Root fibers, (moist)	2
3	SS 24 20 4	Medium dense, brown SILT, little fine to coarse Sand, trace fine Gravel, with two 1/2" thick dark brown Silty Sand seams, (moist)	3
4	SS 24 20 6	Very dense, gray SILT, little fine to coarse Sand, little fine to coarse Gravel, (moist)	4
10		Bottom of Exploration at 8.0 ft	10
Notes: 1) Soil Samples returned to the field using a Thermal Environmental Systems Model 8000 Photohazardless Indicator (unless otherwise noted in Remarks). The indicator was calibrated relative to a known in situ standard. S.S. = Non-Saturated, S.E. = Not Saturated, S.A. = Not Applicable. S.S. = Not of Sample 2) Water level readings have been made at three and under conditions stated. Deviations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After setting S.S. = Not Saturated. 3) Sample Type Coding: A = Auger; C = Core; B = Borehole; G = Gravel; FS = Plastic Sample; SS = Split Barrel (Split Spoon); ST = Shelby Tube; Y = Yank; W/S = Weight of Soil/Volume 4) Proportions based on: 1 = 100; 100 = 10-200; 100 = 10-200; and = 10-200 5) Deviations from reported approximate boundary between material types. Deviations may be gradual.			
Boring No.:		B-39	

VT BORING LOG PID 5/21/04 965-03.GPJ GEODESIGN PDMATTERP-15-04.GDT 4/24/09

VT BORING LOG PID 5/21/04 965-03.GPJ GEODESIGN PDMATTERP-15-04.GDT 4/24/09

VT BORING LOG PID 5/21/04 965-03.GPJ GEODESIGN PDMATTERP-15-04.GDT 4/24/09

Hoyle, Tanner & Associates, Inc.
 150 Dow Street
 Manchester, NH 03101-1227
 Tel 603-669-5555
 Fax 603-669-4168
 Web Page: www.hoyletanner.com
 Hoyle Tanner & Associates © 2008

PROJECT NAME: E. F. KNAPP STATE AIRPORT
 A.I.P. 3-50-0001-011-2009
 PROJECT NUMBER: BERLIN AIR 04-3216
 FILE NAME: z05h378sh_t.br 1.dgn
 PROJECT LEADER: S. FORTNEY
 DESIGNED BY: S. BOUCHARD
 BORING LOGS B37-B39
 PLOT DATE: 11/22/2011
 DRAWN BY: D. STANDISH
 CHECKED BY: J. DOWNAR
 SHEET 167 OF 173