



December 10, 2013

Spencer Harris
Town of Charlotte
P.O. Box 119
Charlotte, VT 05445

RE: Beldock property, Spear Street, Charlotte, Vermont
Wastewater System and Potable Water Supply application

Dear Spencer:

On behalf of the property owners, Gregg & Elizabeth Beldock, we are submitting a Wastewater System and Potable Water Supply application for the creation of two single-family residential lots. Lot 1 will be 5.02-acres in size and Lot 2 will be 17.58 acres. You and I did a site evaluation on September 10, 2012, and I followed up with additional test pits on September 17, 2012.

Lot 1 will be provided with a drilled well within an easement on Lot 2. The wastewater system will consist of a pretreatment unit and an at-grade, filtrate absorption system. Lot 2 will use an on-site drilled well and a performance based mound system in an easement reserved by the Beldocks when they did a boundary line adjustment with the Holmes property to the north.

Pertaining to Item V-5 on the application, the proposed water supply for Lot 1 is located within 1 mile of a Hazardous Waste Site (Site # 20114221). This site involved impact to soils at the site of a residential 1,000-gallon fuel oil tank. It was reported that no sensitive receptors were impacted and that the site is eligible for a SMAC (Site Management Activities Completed) designation. With this information and the fact that the site is on the opposite side of Mud Hollow Brook, we do not expect it to have an effect on the proposed water supply.

There are three wetland areas in the vicinity of the proposed development. One is located on the flood plain of Mud Hollow Brook. This is a Class II wetland because of its size and association with a stream. No impacts are proposed to this wetland or its 50-foot buffer. One of the other wetlands is in the field on proposed Lot 1. There is a small wetland impact required for the driveway and the force main. Because of its small size and occurrence in a tilled field, it is Class III and does not require a State wetland permit. The third wetland is another small Class III wetland that formed in the bottom of the old borrow area. No impact is proposed.

We have enclosed the application, a check for the \$1,000 fee, the soil logs, the Act 145 certification statement, and two sets of the project plans. If you have any questions or need additional information, please don't hesitate to contact me.

Sincerely,

Brian Tremback
Certified Professional Soil Scientist
Licensed Designer Class B
Wetland Scientist

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Enclosures

cc: Gregg Beldock

P:\2012\12018\Wastewater\12018-Ltr-WW appl.Harris.bjt.wpd

Drinking Water & Groundwater Protection Division - Permit Application Wastewater System & Potable Water Supply



For Office Use Only:

Application# 25 WW-138-1321	PIN#	Date Complete Application Received 12/16/13
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Authority:

10 V.S.A. Chapter 64, the Environmental Protection Rules, Chapter 1, Wastewater System & Potable Water Supply Rules, and Chapter 21, Water Supply Rules, Appendix A. Part 11 - Small Scale Water Systems.

General Information:

The organization and/or content of this form may not be altered, however, the form is designed to expand to allow additional information to be entered. Changes in the organization and/or content of the form may result in an invalid application or permit.

In most cases a licensed designer will be required for your project and to help complete this application form. There are also line-by-line instructions available to assist with completing this form.

NOTE: We strongly suggest referring to the application instructions while completing this application form.

Part I Applicant (Landowner) & Project Contact Information

Section A - Applicant Details (If Landowner is an Individual or Individuals)

1 Last Name Beldock		2 First Name (and Middle Initial if appropriate) Gregg & Elizabeth	
3 Mailing Address Line 1 900 Plouffe Farm Lane		4 Mailing Address Line 2	
5 Town/City Charlotte	6 State/Province VT	7 Country United States	8 Zip/Postal Code 05445
9 Email Address gregg@bullrockcorp.com			10 Telephone 802-425-5195

Remove This Applicant

Add Another Applicant

Section B - Applicant Details (If Landowner is other than an Individual or Individuals, e.g. Corporations, Homeowner's Associations, etc.)

1 Registered Legal Entity or Organization Name		2 Telephone	
3 Mailing Address Line 1		4 Mailing Address Line 2	
5 Town/City	6 State/Province	7 Country United States	8 Zip/Postal Code

Certifying Official

The Certifying Official must be a person who has signatory authority for the legal entity or organization that is the Applicant.

9 Certifying Official Last Name	10 Certifying Official First Name (and MI if appropriate)
11 Certifying Official Title	
12 Certifying Official Email Address	13 Telephone

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Remove This Applicant

Add Another Applicant

Section C - Primary Contact Information (if other than Applicant)			
1 Last Name		2 First Name (and Middle Initial if appropriate)	
<input type="text"/>		<input type="text"/>	
3 Mailing Address Line 1		4 Mailing Address Line 2	
<input type="text"/>		<input type="text"/>	
5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
<input type="text"/>	<input type="text"/>	United States	<input type="text"/>
9 Email Address			10 Telephone
<input type="text"/>			<input type="text"/>

Section D - Building/Business Owner Information			
1 Last Name		2 First Name (and Middle Initial if appropriate)	
<input type="text"/>		<input type="text"/>	
3 Mailing Address Line 1		4 Mailing Address Line 2	
<input type="text"/>		<input type="text"/>	
5 Town/City	6 State/Province	7 Country	8 Zip/Postal Code
<input type="text"/>	<input type="text"/>	United States	<input type="text"/>
9 Email Address			10 Telephone
<input type="text"/>			<input type="text"/>

Part II Certifying Designer(s) Information			
1 Designer Last Name		2 Designer First Name (and Middle Initial if appropriate)	
Tremback		Brian	
3 Designer License#	4 Company Name		
329	Lamoureux & Dickinson Consulting Engineers, Inc.		
5 Mailing Address Line 1		6 Mailing Address Line 2	
14 Morse Drive		<input type="text"/>	
7 Town/City	8 State/Province	9 Country	10 Zip/Postal Code
Essex Junction	VT	United States	05452
11 Email Address			12 Telephone
brian@LDengineering.com			878-4450
13 Designer Role(s) (check all that apply)			
<input checked="" type="checkbox"/> Water Supply Designer			
<input checked="" type="checkbox"/> Wastewater Disposal System Designer			
<input type="button" value="Remove This Designer"/>			
<input type="button" value="Add Another Designer"/>			

Part III Property Location Information	
Section A - Property Location	
1 Please provide the property Town and the property address or a brief description of the location.	
(a) Town or City	(b) Street or Road Location
Charlotte	Spear Street Ext.

Section B - Center of Property GPS Coordinates

1 Enter the approximate center of property coordinates using GPS set for NAD83 or as derived from a map (map must be based on NAD83).

(a) Latitude (in decimal degrees to five decimal places, ex. 44.38181°) (b) Longitude (in decimal degrees to five decimal places, ex. -72.31392 °)

N ° W (-) °

Part IV Project Information

Section A - General Project Information & Questions

1 Project Name (if applicable) 2 Total Acreage of Property

3 Business Name (if applicable)

4 Detailed Project Description

This project consists of subdividing a 22.6-acre property into 2 lots, one of which, Lot 1, will be 5.01 acres and the other, Lot 2, 17.58 acres in size. Lot 1 will be served by an at-grade system and pretreatment unit. Water will be supplied by a drilled well located on an easement on Lot 2. Lot 2 will be served by a performance based mound system and an on-site drilled well.

5 (a) Were all existing buildings or structures, campgrounds, and their associated potable water supplies and wastewater systems substantially completed before January 1, 2007? Yes No

(b) Were all existing improved and unimproved lots in existence before January 1, 2007? Yes No

6 Does this application include subdividing the property? Yes No

7 Has anyone from the Drinking Water & Groundwater Protection Division's Regional Office been to the property? Yes No

If Yes, enter the staff person's name and the date of the visit.

(a) Name of Staff Person (b) Date of Visit (m/d/yyyy)

8 Will any construction occur within 50 feet of a wetland boundary, mapped or designated? Yes No

If Yes, contact the Wetlands Program of the Watershed Management Division at (802) 338-4835.

9 Will more than one acre be disturbed during the entire course of construction, including all lots and phases? Yes No

If Yes, contact the Stormwater Program of the Watershed Management Division at (802) 241-4320.

10 Will there be any stream crossings by roads, utilities, or other construction? Yes No

If Yes, contact the River Corridor Mgmt. Program of the Watershed Management Division at:

Central & Northwest Vermont (802) 879-5631

Southern Vermont (802) 786-5906

Northeastern Vermont (802) 751-0129

11 Is the project located in a special flood hazard area as designated on the flood insurance maps prepared for a municipality by the Federal Emergency Management Agency? Yes No

If Yes, show the special flood hazard area limits on the site plan.

12 Act 250: Has the Applicant (Landowner) subdivided any other lots of any size within a five mile radius of this subdivision, or within the environmental district within the last five years? Yes No

If Yes, enter the town(s) and the associated number of lots in the table below:

	(a) Town	(b) Number of Lots
X	<input type="text" value="Select"/>	<input type="text"/>

13 Is there any prior Act 250 jurisdiction on the tract of land?..... Yes No

If Yes, enter the Act 250 permit number:

(a) Act 250 Permit Number

Section B - Project Deed Reference

1 Please provide the Town, Parcel ID, Book, and Page reference for the current landowner's deed(s) to this property:

	(a) Town	(b) Parcel ID	(c) Book	(d) Page(s)
X	Charlotte	03-01-10.0	197	421

Section C - Project Plan Reference

1 Please provide the following information for all water supply and wastewater disposal system plans being submitted.

	(a) Sheet#	(b) Title	(c) Plan Date	(d) Plan Revision Date
X	S1	Water Supply and Wastewater System Design	12/2/2013	
X	D1	Lot 1 Wastewater System Plan, Details, and Specifications	12/2/2013	
X	D2	Lot 2 Wastewater System Plan, Details, and Specifications	12/2/2013	
X	D3	Lot 1 Wastewater Pretreatment Unit	12/2/2013	

Section D - Existing Project Lot/Building Details

Please provide the existing project details. This section is used to describe what is existing for the project. For example, if you are subdividing an undeveloped 21-acre parcel, you would list the existing parcel. If you are revising the boundary lines of two commercial lots in an industrial park, and constructing an addition to an existing building you would list the existing lot numbers, existing acres, existing buildings, existing uses, construction date(s), prior permits, and answer the compliance questions.

1 Lot#	2 Lot Size (acres)	3 Existing Use of the Lot
	22.6	Agriculture

4 Provide the following information for each building on the lot:

	(a) Building ID	(b) Existing Use	(c) Date Construction of Building Substantially Complete	(d) Prior Permits	(e) In compliance with existing permits?
X					<input type="radio"/> Yes <input type="radio"/> No

Section E - Proposed Project Lot/BuildingDetails

This section is used to describe what you are proposing to do in this project. For example, if you were going to create 4 lots for construction of single family residences, you would list each lot, proposed acreage, proposed buildings, and proposed use.

1 Lot#	2 Lot Size (acres)	3 Proposed Use of the Lot
1	5.02	Residential

4 Is the lot being created as part of a subdivision? Yes No

5 Are you requesting that the Blood, Marriage, or Civil Union special fee be applied to this lot? Yes No

6 If the lot is exempt, please indicate the specific exemption from the Wastewater System and Potable Water Supply Rules?

7 Provide the following information for each building on the lot:

	(a) Building ID	(b) If building is exempt, indicate exemption	(c) Construction or increased flow?	(d) Proposed Use
X	4-bdrm house		<input checked="" type="checkbox"/>	Residential
<input type="button" value="Add Another Building"/>				
<input type="button" value="Remove This Lot"/>				
1 Lot#	2 Lot Size (acres)	3 Proposed Use of the Lot		
2	17.58	Residential		
4 Is the lot being created as part of a subdivision? <input checked="" type="radio"/> Yes <input type="radio"/> No				
5 Are you requesting that the Blood, Marriage, or Civil Union special fee be applied to this lot? <input type="radio"/> Yes <input checked="" type="radio"/> No				
6 If the lot is exempt, please indicate the specific exemption from the Wastewater System and Potable Water Supply Rules?				
7 Provide the following information for each building on the lot:				
	(a) Building ID	(b) If building is exempt, indicate exemption	(c) Construction or increased flow?	(d) Proposed Use
X	4-bdrm house		<input checked="" type="checkbox"/>	Residential
<input type="button" value="Add Another Building"/>				
<input type="button" value="Remove This Lot"/>				
<input type="button" value="Add Another Lot"/>				

Part V Water Supply Information	
Section A - Water Supply Screening Questions	
1 Are you proposing a new water supply or water service line or changes to a permitted but not constructed water supply or water service line for this project?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2 Are you proposing changes to an existing water supply or water service for this project (including changes to location, design flows, or operational change)?	<input type="radio"/> Yes <input checked="" type="radio"/> No
3 Is there an existing connection to a water supply or water service line for this project?	<input type="radio"/> Yes <input checked="" type="radio"/> No
<i>Complete Part V if you answered Yes to any of the above questions. A project with no existing or proposed water supply may skip to Part VI.</i>	
Section B - General Water Supply Questions	
1 Does this project involve a failed water supply?	<input type="radio"/> Yes <input checked="" type="radio"/> No
2 Will any of the proposed water sources serve 25 or more people or have 15 or more service connections?	<input type="radio"/> Yes <input checked="" type="radio"/> No
<i>If Yes, the applicant must contact the Drinking Water & Groundwater Protection Division at (802) 241-3400 for source, construction and an operating permit.</i>	
3 Are any of the existing or proposed water sources located within a special flood hazard area?	<input type="radio"/> Yes <input checked="" type="radio"/> No
4 Are any of the existing or proposed water sources located within a floodway?	<input type="radio"/> Yes <input checked="" type="radio"/> No

5 Are any of the proposed water sources located within 1 mile of a hazardous waste site as designated by the Waste Management Division and identified on the Agency mapping website? Yes No
If Yes, please submit additional information on the site. The Waste Management Division can be reached at (802) 241-3888.

6 Does this project require an approval letter from the Drinking Water & Groundwater Protection Division for the construction of a public water system, municipal water line extension over 500 feet, or hydrants or sprinkler systems? Yes No
If Yes, please submit a copy of the approval letter from the Drinking Water & Groundwater Protection Division.

7 Does the proposed or existing water supply(ies) use a water treatment device to obtain compliance with the quality requirements in the Water Supply Rule? Yes No
If Yes, please submit additional information regarding the constituent(s) that exceeds the standards and plans, details, and specifications of the treatment device.

8 Is any portion of the proposed water supply located in or near a Water Source Protection Area as designated by the Drinking Water & Groundwater Protection Division? Yes No
If in areas of known interference issues, contact the Drinking Water & Groundwater Protection Division at (802) 241-3400.

Section C - Individual Water Supply Details

Please provide the following information for each of the existing and proposed water supply(ies) serving a building or structure, or campground on the property.

1 Water Supply Name/Identifier Lot 1 drilled well	2 Water Supply Owner (if not Applicant)
3 Water Source Type Non-Public Drilled Bedrock Well	4 Type of Change to Supply New System

5 Lots/Buildings Served by this Water Supply System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's Supply	Design Flows (Gallons Per Day)			(g) Rule or Meter Based Flows
				(d) Existing	(e) Change	(f) Total	
X	1	4-bdrm house	Connection to New System	0	490	490	Rule-based
Add Another Lot/Building Served by this Supply				6	7	8	
				0	490	490	

9 Is this water supply located off-lot? Yes No

10 Is this water supply shared? Yes No
If the water supply is located off-lot or shared, submit a copy of the agreement to provide an easement prior to construction.

11 Is a variance being requested for this water supply? Yes No
If Yes, please submit additional details related to the variance request.

Remove This Water Supply

1 Water Supply Name/Identifier Lot 2 drilled well	2 Water Supply Owner (if not Applicant)
3 Water Source Type Non-Public Drilled Bedrock Well	4 Type of Change to Supply New System

5 Lots/Buildings Served by this Water Supply System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's Supply	Design Flows (Gallons Per Day)			(g) Rule or Meter Based Flows
				(d) Existing	(e) Change	(f) Total	
X	2	4-bdrm house	Connection to New System	0	490	490	Rule-based

Add Another Lot/Building Served by this Supply

6	7	8
0	490	490

9 Is this water supply located off-lot? Yes No

10 Is this water supply shared? Yes No

If the water supply is located off-lot or shared, submit a copy of the agreement to provide an easement prior to construction.

11 Is a variance being requested for this water supply? Yes No

If Yes, please submit additional details related to the variance request.

Remove This Water Supply

Add Another Water Supply

Section D - Water Supply Design Flows Summary Table

1 If the project includes more than one water supply, please list each water supply system and provide the total water supply design flows for the project. **IMPORTANT:** Please don't include systems that were identified in this Part on Section C, Line 4 as a "Replacement Area Designation" in this summary table.

	(a) Water Supply Name/Identifier	Design Flows (Gallons Per Day)		
		(b) Existing	(c) Change	(d) Total
X	Lot 1 proposed drilled well	0	490	490
X	Lot 2 proposed drilled well	0	490	490

Add Another Water Supply

2	3	4
0	980	980

Part VI Wastewater Disposal System Information

Section A - Wastewater Disposal System Screening Questions

1 Are you proposing a new or replacement wastewater disposal system, a new wastewater service line, or changes to a permitted but not constructed wastewater disposal system or wastewater service line for this project? Yes No

2 Are you proposing changes to an existing wastewater disposal system, replacement wastewater disposal system, replacement area, or wastewater service line for this project (including changes to location, design flows, or operational change)? Yes No

3 Is there an existing connection to a wastewater disposal system or wastewater service line for this project?..... Yes No

*Complete Part VI if you answered Yes to any of the above questions.
A project with no existing or proposed wastewater disposal systems may skip to Part VII.*

Section B - General Wastewater Disposal System Questions

1 Does this project involve a failed wastewater disposal system? Yes No

2 Do any of the systems require a curtain or dewatering drain as part of the design? Yes No

3 Is a hydrogeologic study required for this project? Yes No

4 For projects using soil-based wastewater systems having a total design flow that exceeds 1,000 gpd, is this project located in a Class A Watershed?..... Yes No NA

If Yes, indicate the Class A Watershed in which the system(s) is located:

(a) Class A Watershed Name

5 Are there any existing or proposed floor drains as part of this project?..... Yes No

If Yes, indicate where the floor drains will discharge:

(a) Floor Drain Discharge Point

6 If the project utilizes an Innovative/Alternative System or Product, has the applicant received a copy of the Drinking Water & Groundwater Protection Division's approval letter? Yes No NA

7 Is any portion of the proposed wastewater disposal system located in or near a Water Source Protection Area as designated by the Drinking Water & Groundwater Protection Division? Yes No

If Yes, contact the Drinking Water & Groundwater Protection Division at (802) 241-3400.

Section C - Individual Wastewater Disposal System Details

Please provide the following information for each of the existing and proposed wastewater disposal systems serving a building or structure, or campground on the property.

1 Wastewater Disposal System Name/Identifier Proposed system for Lot 1	2 Wastewater Disposal System Owner (if not Applicant)
3 Wastewater Disposal System Type At-grade	4 Type of Change to System New System

5 Lots/Buildings Served by this Wastewater Disposal System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's System	Design Flows (Gallons Per Day)			(h) Rule or Meter Based Flows
				(d) Existing	(e) Change	(f) Infiltration	
X	1	4-bdrm house	Connection to New System	0	490	0	Rule-based
Add Another Lot/Building Served by this System				6	7	8	9
				0	490	0	490

10 Is this wastewater disposal system located off-lot? Yes No

11 Is this wastewater disposal system shared? Yes No

If the wastewater disposal system is located off-lot or shared, submit a copy of the agreement to provide an easement prior to initiation of construction.

12 Is a variance being requested for this wastewater disposal system? Yes No

If Yes, please submit additional details related to the variance request.

13 If this wastewater disposal system type is a connection to an Indirect Discharge System, please provide the Indirect Discharge System ID number.

Indirect Discharge System ID Number

14 If this wastewater disposal system type is a connection to a municipal system, please select the town.

Town

15 If this wastewater disposal system is a soil-based system, please select the design approach used.

Design Approach Used
 Prescriptive

16 For soil-based systems, please check all that apply (Note: Store and dose does not apply to standard pump/pump chamber systems).

- Storage and Dose Filtrate Constructed Wetlands

17 If this is an Innovative/Alternative soil-based system, please select the system use type.
 Innovative/Alternative System Use Type

18 If this is an Innovative/Alternative soil-based system, please select the Innovative/Alternative system or product.
 Innovative/Alternative System or Product

1 Wastewater Disposal System Name/Identifier <input type="text" value="Proposed system for Lot 2"/>	2 Wastewater Disposal System Owner (if not Applicant) <input type="text"/>
3 Wastewater Disposal System Type <input type="text" value="Mound"/>	4 Type of Change to System <input type="text" value="New System"/>

5 Lots/Buildings Served by this Wastewater Disposal System

	(a) Lot#	(b) Building ID	(c) Type of Change to the Building's System	Design Flows (Gallons Per Day)				(h) Rule or Meter Based Flows
				(d) Existing	(e) Change	(f) Infiltration	(g) Total	
<input checked="" type="checkbox"/>	<input type="text" value="2"/>	<input type="text" value="4-bdrm house"/>	<input type="text" value="Connection to New System"/>	<input type="text" value="0"/>	<input type="text" value="490"/>	<input type="text" value="0"/>	<input type="text" value="490"/>	<input type="text" value="Rule-based"/>
<input type="button" value="Add Another Lot/Building Served by this System"/>				6	7	8	9	
				<input type="text" value="0"/>	<input type="text" value="490"/>	<input type="text" value="0"/>	<input type="text" value="490"/>	

10 Is this wastewater disposal system located off-lot? Yes No

11 Is this wastewater disposal system shared? Yes No
If the wastewater disposal system is located off-lot or shared, submit a copy of the agreement to provide an easement prior to initiation of construction.

12 Is a variance being requested for this wastewater disposal system? Yes No
If Yes, please submit additional details related to the variance request.

13 If this wastewater disposal system type is a connection to an Indirect Discharge System, please provide the Indirect Discharge System ID number.
 Indirect Discharge System ID Number

14 If this wastewater disposal system type is a connection to a municipal system, please select the town.
 Town

15 If this wastewater disposal system is a soil-based system, please select the design approach used.
 Design Approach Used

16 For soil-based systems, please check all that apply (Note: Store and dose does not apply to standard pump/pump chamber systems).
 Storage and Dose Filtrate Constructed Wetlands

17 If this is an Innovative/Alternative soil-based system, please select the system use type.
 Innovative/Alternative System Use Type

18 If this is an Innovative/Alternative soil-based system, please select the Innovative/Alternative system or product.

Innovative/Alternative System or Product

Remove This Wastewater System

Add Another Wastewater System

Section D - Wastewater Disposal Systems Design Flows Summary Table

1 If the project includes more than one wastewater disposal system, please list each system on this page and provide the total wastewater disposal design flows for the project. **IMPORTANT:** Please don't include systems that were identified in this Part on Section C, Line 4 as a "Replacement Area Designation" in this summary table.

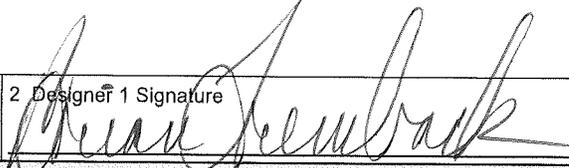
		Design Flows (Gallons Per Day)			
(a) Wastewater Disposal System Name/Identifier	(b) Existing	(c) Change	(d) Infiltration	(e) Total	
X Lot 1 proposed system	0	490	0	490	
X Lot 2 proposed system	0	490	0	490	
Add Another Wastewater System	2	3	4	5	
	0	980	0	980	

Part VII Application Fees

1 Fee Amount

2 Fee Calculation Details

2 single-family residential lots @ \$500/lot

Part VIII Designer Certification & Copyright License			
Section A - Certifying Designer 1 Certification & Copyright License			
<p>"I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.</p> <p>As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."</p>			
<p>1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section A, Line 13.</p> <p><input checked="" type="checkbox"/> Water Supply Designer</p> <p><input checked="" type="checkbox"/> Wastewater Disposal System Designer</p>			
<p>1 Designer 1 Name</p> <p>Brian Tremback</p>	<p>2 Designer 1 Signature</p> 	<p>3 Signature Date</p> <p>12-10-2013</p>	
Section B - Certifying Designer 2 Certification & Copyright License			
<p>"I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.</p> <p>As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."</p>			
<p>1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section B, Line 13.</p> <p><input type="checkbox"/> Water Supply Designer</p> <p><input type="checkbox"/> Wastewater Disposal System Designer</p>			
<p>1 Designer 2 Name</p> <p> </p>	<p>2 Designer 2 Signature</p> <p> </p>	<p>3 Signature Date</p> <p> </p>	
Part IX Applicant(s) Signature & Acknowledgements			
<p>In order to insure compliance with the requirements of the regulations administered by the Department of Environmental Conservation, Drinking Water & Groundwater Protection Division, it may be necessary to visit the property. As this would involve a Department employee entering private property, we request your approval to do so.</p>			
<p>1 If we do visit your property, do you have any special instructions?</p> <p> </p>			
<p>"As landowner of the property for which I am requesting a permit from the Department of Environmental Conservation, I understand that by signing this application I am granting permission for the Department employees to enter the property, during normal working hours, to insure compliance of the property with the applicable rules of the Department.</p> <p>I also understand that I am not allowed to commence any site work or construction on this project without written approval from the Department of Environmental Conservation.</p> <p>If my project utilizes an Innovative/Alternative System or Product, I have received a copy of the Drinking Water & Groundwater Protection Division's approval letter and agree to abide by the conditions of the approval.</p> <p>I also certify that to the best of my knowledge and belief the information submitted above is true, accurate and complete."</p>			
<p><input checked="" type="checkbox"/></p>	<p>2 Print Applicant Name</p> <p>Gregg Beldock</p>	<p>3 Applicant Signature</p> <p> </p>	<p>4 Signature Date</p> <p> </p>
<p><input checked="" type="checkbox"/></p>	<p>2 Print Applicant Name</p> <p>Elizabeth Beldock</p>	<p>3 Applicant Signature</p> <p> </p>	<p>4 Signature Date</p> <p> </p>
<p>Add Applicant Signature Block</p>			

Part VIII Designer Certification & Copyright License

Section A - Certifying Designer 1 Certification & Copyright License

"I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."

1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section A, Line 13.

Water Supply Designer

Wastewater Disposal System Designer

1 Designer 1 Name	2 Designer 1 Signature	3 Signature Date
Brian Tremback		

Section B - Certifying Designer 2 Certification & Copyright License

"I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."

1 Check the design(s) you are certifying. This should be the same as the Designer Role(s) you selected in Part II, Section B, Line 13.

Water Supply Designer

Wastewater Disposal System Designer

1 Designer 2 Name	2 Designer 2 Signature	3 Signature Date

Part IX Applicant(s) Signature & Acknowledgements

In order to insure compliance with the requirements of the regulations administered by the Department of Environmental Conservation, Drinking Water & Groundwater Protection Division, it may be necessary to visit the property. As this would involve a Department employee entering private property, we request your approval to do so.

1 If we do visit your property, do you have any special instructions?

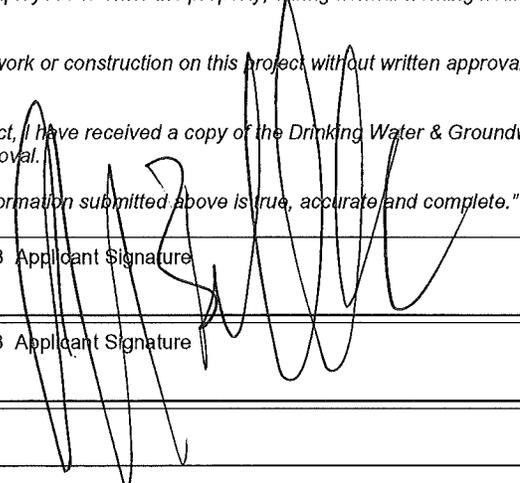
RECEIVED
DEC 16 2013
CHARLOTTE
PLANNING & ZONING

"As landowner of the property for which I am requesting a permit from the Department of Environmental Conservation, I understand that by signing this application I am granting permission for the Department employees to enter the property, during normal working hours, to insure compliance of the property with the applicable rules of the Department.

I also understand that I am not allowed to commence any site work or construction on this project without written approval from the Department of Environmental Conservation.

If my project utilizes an Innovative/Alternative System or Product, I have received a copy of the Drinking Water & Groundwater Protection Division's approval letter and agree to abide by the conditions of the approval.

I also certify that to the best of my knowledge and belief the information submitted above is true, accurate and complete."

<input checked="" type="checkbox"/>	2 Print Applicant Name	3 Applicant Signature	4 Signature Date
	Gregg Beldock		12/12/13
<input checked="" type="checkbox"/>	2 Print Applicant Name	3 Applicant Signature	4 Signature Date
	Elizabeth Beldock		
<input type="button" value="Add Applicant Signature Block"/>			

ANR Form 4: Certification Statement for Notification of Overshadowed Property Owner(s) pursuant to the Wastewater System and Potable Water Supply Program

A person submitting an application to the Secretary for a Wastewater System and Potable Water Supply Permit where the proposed project has isolation distances (overshadowing) that extend onto property owned by persons other than the permit applicant shall submit the following certification with the application.

Note: When the property subject to the permit application is owned by more than one person, only one of the landowners must sign this certification statement even though all landowners must sign the permit application itself.

I hereby certify that the individual(s) that own property that is overshadowed by my proposed project have been sent by certified mail a copy of the required notification form and the site plan(s) that accurately depicts all isolation distances. I also certify that I attached to this certification form a copy of all certified mail receipts for notifications that were sent to the affected property owners.

Signature _____

Name (Printed) Gregg H. Beldoch

Property Address or Property Tax ID # Spear St Ext., Charlotte

Date of this certification 12/12/13

Name

Please list all of the property owners who were sent a notification by certified mail.

Affected Property Owner(s) – (Please provide a second sheet using this format when there are more than three affected property owners)

Name Rebecca Manchester

Address P.O. Box 262, Shelburne, VT 05482

Name Gertrude Jordan

Address 1550 Spear St, Charlotte, VT 05445

Name Habitat for Humanity

Address 300 Cornerstone Drive Suite 335 Williston, VT 05495

Name Todd & Julie Holmes

Address 283 Spear Street, Charlotte, VT 05445

7009 2250 0003 6885 0450

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

OFFICIAL USE

Postage	\$ 1.32	
Certified Fee	3.10	
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To Todd + Julie Holmes
 Street, Apt. No.; or PO Box No. 283 Spear St.
 City, State, ZIP+4 Charlotte, VT 05445

PS Form 3800, August 2006 See Reverse for Instructions

7009 2250 0003 6885 0443

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OFFICIAL USE

Postage	\$ 1.32	
Certified Fee	3.10	
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To Gertrude Jones
 Street, Apt. No.; or PO Box No. 1557 Spear Street
 City, State, ZIP+4 Charlotte, VT 05445

PS Form 3800, August 2006 See Reverse for Instructions

7009 2250 0003 6885 0467

U.S. Postal Service™
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OFFICIAL USE

Postage	\$ 1.32	
Certified Fee	3.10	
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To Rebecca Manchester
 Street, Apt. No.; or PO Box No. PO Box 262
 City, State, ZIP+4 Shelburne, VT 05482

PS Form 3800, August 2006 See Reverse for Instructions

7009 2250 0003 6885 0474

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For delivery information visit our website at www.usps.com.

OFFICIAL USE

Postage	\$ 1.32	
Certified Fee	3.10	
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To Habitat for Humanity
 Street, Apt. No.; or PO Box No. 300 Cornerstone Dr Suite 335
 City, State, ZIP+4 Williston, VT 05495

PS Form 3800, August 2006 See Reverse for Instructions

SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST. PROJECT NO.: 12018 DATE: 9-10-12
 LOCATION: N SIDE OF FRONT FIELD, NEAR RD
 LOGGED BY: BJT PRESENT: SPENCER HARRIS
 EQUIPMENT OPERATOR: PATRICK O'BRIEN TEST PIT AUGER BORING PROFILE NO.: 1

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>A₀₁</u>	<u>0.8</u>	<u>10YR 7/2</u>	<u>-</u>	<u>5</u>	<u>FSL</u>	<u>2FGK</u>	<u>VFR</u>	
<u>A₀₂</u>	<u>1.6</u>	<u>10YR 7/2</u>	<u>-</u>	<u>10</u>	<u>FSL</u>	<u>1FGK</u>	<u>F1</u>	
<u>B₀₁</u>	<u>3.3</u>	<u>2.5Y 7/4</u>	<u>-</u>	<u>5</u>	<u>LFS</u>	<u>M</u>	<u>FR</u>	
<u>B₀₂</u>	<u>4.5</u>	<u>2.5Y 7/3</u>	<u>F2D 10YR 4/6</u>	<u>5</u>	<u>LFS</u>	<u>M</u>	<u>FR</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	<u>3.3</u>	<u>>4.5</u>	<u>>4.5</u>		<input type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN
					<input checked="" type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES

SLOPE	SLOPE FORM	GEOMORPHIC POSITION
<input type="checkbox"/> 0-2% <input checked="" type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%		

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 15.2"</u>	ACCURACY: <u>12'</u>
LONG	<u>73° 11' 36.4"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: DELDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-10-12

LOCATION: S SIDE OF FRONT FIELD, NEAR ROAD

LOGGED BY: BUT PRESENT: _____

EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 2

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
A _{p1}	0.8	10YR ^{3/2}	—	—	FSL	2MGR	FR	
A _{o2}	1.6	10YR ^{3/2}	—	—	FSL	1MSEX	F1	
B _{w1}	2.2	2.5Y ^{5/3}	—	—	FSL	M	FR.	
B _{w2}	4.0	2.5Y ^{5/3}	02D 10YR ^{4/6}	—	STRAT LFS + FSL	M	FR	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT
	2.2	>4.0	>4.0	

WEATHER CONDITIONS		
<input type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN	TEMP: <u>62°F</u>
<input checked="" type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES	
<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES	

SLOPE	SLOPE FORM	GEOMORPHIC POSITION									
<input type="checkbox"/> 0-2% <input checked="" type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	<table style="width: 100%;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>										

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 14.3"</u>	ACCU-RACY: <u>8'</u>
LONG	<u>73° 11' 36.2"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES															
<table style="width: 100%;"> <tr> <td>ALLUVIUM</td> <td><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3</td> <td rowspan="8"> <input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER </td> </tr> <tr> <td>GLACIOFLUV.</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>GLACIOLAC./MARINE</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>GLACIAL TILL</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>RESIDUUM</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>BEDROCK</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>OTHER:</td> <td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td> </tr> </table>	ALLUVIUM	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	GLACIOFLUV.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	GLACIOLAC./MARINE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	GLACIAL TILL	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	RESIDUUM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	BEDROCK	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	OTHER:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
ALLUVIUM	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER															
GLACIOFLUV.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
GLACIOLAC./MARINE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
GLACIAL TILL	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
RESIDUUM	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
BEDROCK	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
OTHER:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-10-12
 LOCATION: E OF TP-1
 LOGGED BY: BUT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 3

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>Ap</u>	<u>1.1</u>	<u>10YR 3/2</u>	<u>-</u>	<u>10</u>	<u>SIL</u>	<u>2MGR</u>	<u>FR</u>	
<u>Bw1</u>	<u>2.0</u>	<u>10YR 2/4</u>	<u>F2F</u> <u>10YR 4/6</u>	<u>15</u>	<u>COBSIL</u>	<u>1MSBK</u>	<u>FR</u>	
<u>Bg</u>	<u>4.1</u>	<u>2.5Y 1/2</u>	<u>C2D</u> <u>10YR 4/6</u>	<u>5</u>	<u>FSL</u>	<u>M</u>	<u>F1</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER: <u>1.1</u>	EXISTING GROUNDWATER: <u>>4.1</u>	BEDROCK: <u>>4.1</u>	ASPECT:	WEATHER CONDITIONS: <input type="checkbox"/> CLEAR <input type="checkbox"/> RAIN TEMP: <u>63</u> °F <input checked="" type="checkbox"/> PARTLY CLOUDY SNOW: _____ INCHES <input type="checkbox"/> OVERCAST SOIL FROST: _____ INCHES
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SLOPE	SLOPE FORM	GEOMORPHIC POSITION
<input type="checkbox"/> 0-2% <input checked="" type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%		

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 15.3"</u>	ACCU-RACY: <u>10'</u>
LONG	<u>73° 11' 35.8"</u>	<input type="checkbox"/> NO RECEPTION

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM 1 2 3 GLACIOFLUV. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MARINE GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	<u>Red clover</u> <u>Dandelion</u> <u>Grass</u>

REMARKS:

LD

UPDATED 2-22-2012

SOIL PROFILE LOG

PROJECT: BELDOCK / SDEAP ST PROJECT NO.: 12012 DATE: 9-10-12

LOCATION: E OF TP-2

LOGGED BY: BJT PRESENT: _____

EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 4

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>A_p</u>	<u>1.6</u>	<u>10YR 2/2</u>	<u>-</u>	<u>-</u>	<u>FSL</u>	<u>2FGR</u>	<u>FR</u>	
<u>B_{w1}</u>	<u>2.5</u>	<u>10YR 4/4</u>	<u>C2F</u> <u>10YR 2/6</u>	<u>-</u>	<u>FSL</u>	<u>1MSEK</u>	<u>FR</u>	
<u>B_{w2}</u>	<u>3.6</u>	<u>10YR 4/2</u>	<u>C2D</u> <u>10YR 4/6</u>	<u>10</u>	<u>FSL</u>	<u>M</u>	<u>F1</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT
<u>1.6</u>	<u>> 3.6</u>	<u>> 3.6</u>	<u>> 3.6</u>	

WEATHER CONDITIONS		
<input type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN	TEMP: <u>66</u> °F
<input checked="" type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES	
<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES	

SLOPE	SLOPE FORM			GEOGRAPHIC POSITION
<input checked="" type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%				

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 14.4"</u>	ACCURACY: <u>22'</u>
LONG	<u>73° 11' 35.7"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:

TP1 TP4

TP2 TP3

SDEAP ST

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012

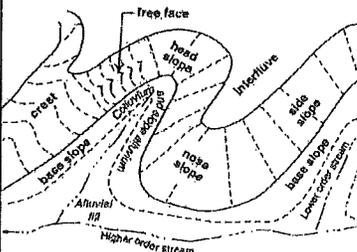
SOIL PROFILE LOG

PROJECT: BELDOCK / SPEND ST PROJECT NO.: 12018 DATE: 9-10-12
 LOCATION: ALONG AG RD, NEAR BOTTOM OF BORROW AREA
 LOGGED BY: BJT PRESENT: _____

EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 5

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
Ap	0.9	10YR 4/3	F2F 10YR 4/3	-	SIL	ZNGR	F1	
C	3.5	2.5Y 4/3	-	50	VGS	SG	LO	COARSE FRAGS UP TO COBBLE SIZE

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER: <u>0</u>	EXISTING GROUNDWATER: <u>>3.5</u>	BEDROCK: <u>>3.5</u>	ASPECT: 	WEATHER CONDITIONS <input type="checkbox"/> CLEAR <input type="checkbox"/> RAIN TEMP: <u>66</u> °F <input type="checkbox"/> PARTLY CLOUDY SNOW: _____ INCHES <input type="checkbox"/> OVERCAST SOIL FROST: _____ INCHES
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SLOPE <input type="checkbox"/> 0-2% <input checked="" type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	SLOPE FORM LL <input checked="" type="checkbox"/> LV <input type="checkbox"/> LC <input type="checkbox"/> VL <input type="checkbox"/> WV <input type="checkbox"/> VC <input type="checkbox"/> CL <input type="checkbox"/> CV <input type="checkbox"/> CC <input type="checkbox"/>	GEOMORPHIC POSITION 
--	--	--

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 15.5"</u>	ACCURACY: <u>20'</u>
LONG	<u>73° 11' 32.1"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:
 WETLAND VEG. OCCURS
 25' AWAY FROM SLIGHTLY LOWER
 TERRAIN

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-18-12
 LOCATION: W END OF LARGE FIELD, 75' FROM TOP OF
BOTTOM AREA CUTBANK
 LOGGED BY: BJT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 6

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
Ap	0.4	10YR 4/3	—	—	LS	IFGK	VFR	
Bw1	1.1	10YR 4/4	—	—	LS	SG	LO	
Bg	1.6	2.5Y 5/1	C2P 10YR 4/6	—	LFS	M	VFR	
Bw2	2.8	10YR 4/3	C2D 10YR 4/6	—	LS	M	FR	
Bg	4.0	2.5Y 5/1	C2D 10YR 4/6	—	SIL	M	F1	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	1.1	>4.0	>4.0		<input type="checkbox"/> CLEAR <input checked="" type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> OVERCAST	<input type="checkbox"/> RAIN SNOW: _____ INCHES <input type="checkbox"/> SOIL FROST: _____ INCHES TEMP: <u>66</u> °F

SLOPE <input type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input checked="" type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	SLOPE FORM			GEOMORPHIC POSITION
	LL	LV	LC	
	VL	WV	VC	
	CL	CV	CC	

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 12.1"</u>	ACCURACY: <u>17'</u>
LONG	<u>73° 11' 29.5"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOFLUV. <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST PROJECT NO.: 12012 DATE: 9-10-12
 LOCATION: W END OF LARGE FIELD 50' FROM CUTBANK
50' N OF TP-6
 LOGGED BY: EJT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 7

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
Ap	1.1	10YR 4/3	—	—	LS	IFGR	VFR	
Bw	1.5	10YR 4/2	C2D 10YR 4/4	—	LS	SG	LO	
C	4.3	2.5Y 5/2	C2D 2.5Y 5/4	—	STRAT. SILT + FSL	M	FI	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS
	1.1	>4.3	>4.3		<input type="checkbox"/> CLEAR <input type="checkbox"/> RAIN TEMP: <u>66</u> °F <input checked="" type="checkbox"/> PARTLY CLOUDY SNOW: _____ INCHES <input type="checkbox"/> OVERCAST SOIL FROST: _____ INCHES

SLOPE <input type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input checked="" type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	SLOPE FORM LL LV LC VL WV VC CL CV CC	GEOMORPHIC POSITION
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GEOGRAPHIC COORDINATES		
LAT	44° 21' 12.7"	ACCURACY: <u>8'</u>
LONG	73° 11' 29.7"	<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOLAC./MARINE <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIAL TILL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 RESIDUUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 BEDROCK <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 OTHER: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	CRABGRASS BLUEGRASS WHEATGRASS QUOIFA

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-17-12
 LOCATION: FRONT FIELD, BETWEEN TP-1 + TP-3
 LOGGED BY: BJT PRESENT: _____

EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 101

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
A _{p1}	1.1	10YR ^{3/2}	—	10	FSL	IFGR	VFR	
A _{p2}	2.5	10YR ^{3/2}	—	15	GFSL	1M5BK	FR	
B _w	3.4	2.5Y ^{5/2}	MZP 10YR ^{4/6}	15	GFSL	1M5BK	FR	
C	4.2	2.5Y ^{5/2}	C2P 10YR ^{4/6}	25	STFSL	M	F1	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS		
	2.5	>4.2	>4.2		<input checked="" type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN	TEMP: <u>62</u> °F
					<input type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES	
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES	

SLOPE	SLOPE FORM			GEOGRAPHIC POSITION	GEOGRAPHIC COORDINATES	
	<input checked="" type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%				LAT <u>44° 21' 15.0"</u> ACCURACY: <u>22'</u> LONG <u>73° 11' 35.7"</u> <input type="checkbox"/> NO RECEPTION	REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: DELDONK/SPEAR ST PROJECT NO.: 12012 DATE: 9-17-12
 LOCATION: FRONT FIELD, NEAR SPEAR ST R.O.W.
 LOGGED BY: JWT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 102

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>Ap1</u>	<u>1.1</u>	<u>10YR 3/2</u>	<u>-</u>	<u>5</u>	<u>SIL</u>	<u>2MGR</u>	<u>FR</u>	
<u>Ap2</u>	<u>2.0</u>	<u>10YR 4/2</u>	<u>-</u>	<u>5</u>	<u>FSL</u>	<u>1MSDR</u>	<u>FR</u>	
<u>Bw1</u>	<u>2.4</u>	<u>10YR 4/4</u>	<u>-</u>	<u>-</u>	<u>LS</u>	<u>M</u>	<u>VAR</u>	
<u>Bw2</u>	<u>4.1</u>	<u>10YR 4/4</u>	<u>-</u>	<u>40</u>	<u>VEBL</u>	<u>M</u>	<u>FR</u>	
<u>C</u>	<u>5.2</u>	<u>2.5Y 5/3</u>	<u>-</u>	<u>15</u>	<u>GS</u>	<u>SG</u>	<u>LO</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	<u>>5.2</u>	<u>>5.2</u>	<u>75.2</u>		<input checked="" type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN
					<input type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES
						TEMP: <u>65</u> °F

SLOPE <input checked="" type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	SLOPE FORM			GEOMORPHIC POSITION
	<input checked="" type="checkbox"/> LL	<input type="checkbox"/> LV	<input type="checkbox"/> LC	
	<input type="checkbox"/> VL	<input type="checkbox"/> W	<input type="checkbox"/> VC	
	<input type="checkbox"/> CL	<input type="checkbox"/> CV	<input type="checkbox"/> CC	

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 14.7"</u>	ACCU-RACY: <u>16'</u>
LONG	<u>73° 11' 36.1"</u>	<input type="checkbox"/> NO RECEPTION

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDIUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BELDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-17-12
 LOCATION: FRONT FIELD, E. OF TP-2
 LOGGED BY: BJT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 103

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
A ₁	0.8	10YR ² / ₂	—	5	FSL	2MGRVFR		
A ₂	2.0	10YR ³ / ₂	—	5	FSL	1MSBK FR		
B _w	3.17	2.5Y ⁵ / ₃	C2D 10YR ⁴ / ₆	5	FSL	M FI		
C	5.3	2.5Y ⁵ / ₃	C2D 10YR ⁴ / ₆	—	STRAT LFSTSL	M VFC — FI		

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	<u>2.0</u>	<u>>5.3</u>	<u>>5.3</u>		<input checked="" type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN
					<input type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES
						TEMP: <u>68</u> °F

SLOPE <input checked="" type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	SLOPE FORM			GEOMORPHIC POSITION

GEOGRAPHIC COORDINATES			
LAT	°	'	"
LONG	°	'	"
			<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOFLUV. <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input type="checkbox"/> HERBACEOUS <input checked="" type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER <input type="checkbox"/>	

UPDATED 2-22-2012

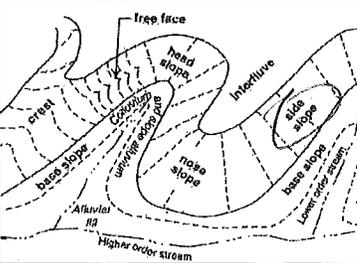


SOIL PROFILE LOG

PROJECT: BELDOCK / SPEAR ST PROJECT NO.: 12018 DATE: 9-17-12
 LOCATION: W END LARGE FIELD, NEAR T.O.B.
 LOGGED BY: BJT PRESENT: _____
 EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 107

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>Ap</u>	<u>1.8</u>	<u>10YR⁴/₃</u>	<u>—</u>	<u>—</u>	<u>LFS</u>	<u>IFGR</u>	<u>VFR</u>	
<u>Bw</u>	<u>2.0</u>	<u>10YR⁴/₃</u>	<u>10YR⁴/₃</u> <u>2.5Y⁴/₂</u>	<u>—</u>	<u>LFS</u>	<u>M</u>	<u>FR</u>	
<u>C</u>	<u>5.5</u>	<u>10YR⁴/₃</u>	<u>10YR⁴/₃</u> <u>2.5Y⁴/₂</u>	<u>—</u>	<u>SICL</u>	<u>INSBK</u>	<u>F1</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	<u>1.8</u>	<u>>5.5</u>	<u>>5.5</u>		<input checked="" type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN
					<input type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES
						TEMP: <u>75</u> °F

SLOPE		SLOPE FORM			GEOMORPHIC POSITION
<input type="checkbox"/> 0-2% <input type="checkbox"/> 2-4% <input checked="" type="checkbox"/> 4-6% <input type="checkbox"/> 6-8% <input type="checkbox"/> 8-10% <input type="checkbox"/> 10-15% <input type="checkbox"/> 15-20% <input type="checkbox"/> 20-30% <input type="checkbox"/> >30%	  	  	  		

GEOGRAPHIC COORDINATES		
LAT	<u>44° 21' 12.6"</u>	ACCU-RACY: <u>23'</u>
LONG	<u>73° 11' 30.2"</u>	<input type="checkbox"/> NO RECEPTION

REMARKS:

PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC./MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDIUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012



SOIL PROFILE LOG

PROJECT: BEIDOCK/SPEAR ST PROJECT NO.: 12018 DATE: 9-17-12

LOCATION: W END OF LARGE FIELD, NEAR TOP + ACCESS RD

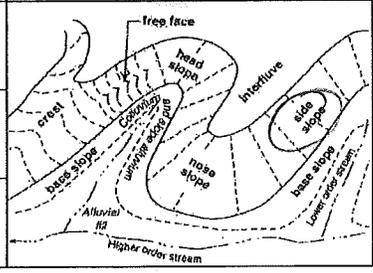
LOGGED BY: BJT PRESENT: _____

EQUIPMENT OPERATOR: _____ TEST PIT AUGER BORING PROFILE NO.: 108

HORIZON	DEPTH (FT)	MOIST COLOR		PERCENT COARSE FRAGS.	TEXTURE	STRUCTURE	MOIST CONSISTENCE	COMMENTS
		MATRIX	REDOX FEATURES					
<u>Ap</u>	<u>1.4</u>	<u>10YR⁴/3</u>	<u>—</u>	<u>—</u>	<u>LFS</u>	<u>IFGR</u>	<u>VFR</u>	
<u>Bw</u>	<u>2.4</u>	<u>2.5Y⁵/4</u>	<u>C2D 10YR⁴/6</u>	<u>—</u>	<u>FSL</u>	<u>M</u>	<u>FR</u>	
<u>C</u>	<u>3.4</u>	<u>2.5Y⁴/3</u>	<u>C2D 10YR⁴/6 2.5Y⁵/2</u>	<u>—</u>	<u>SICL</u>	<u>1MSBK</u>	<u>F1</u>	

DEPTH (FT) TO:	EVIDENCE OF SEASONAL HIGH GROUNDWATER	EXISTING GROUNDWATER	BEDROCK	ASPECT	WEATHER CONDITIONS	
	<u>1.4</u>	<u>>3.4</u>	<u>>3.4</u>		<input checked="" type="checkbox"/> CLEAR	<input type="checkbox"/> RAIN
					<input type="checkbox"/> PARTLY CLOUDY	SNOW: _____ INCHES
					<input type="checkbox"/> OVERCAST	SOIL FROST: _____ INCHES

SLOPE		SLOPE FORM			GEOMORPHIC POSITION			GEOGRAPHIC COORDINATES		
<input type="checkbox"/> 0-2%	<input type="checkbox"/> 2-4%	<input checked="" type="checkbox"/> 4-6%	<input type="checkbox"/> 6-8%	<input type="checkbox"/> 8-10%	<input type="checkbox"/> 10-15%	<input type="checkbox"/> 15-20%	<input type="checkbox"/> 20-30%	<input type="checkbox"/> >30%	LAT <u>44° 21' 11.6"</u>	ACCURACY: <u>18</u>
									LONG <u>73° 11' 30.5"</u>	<input type="checkbox"/> NO RECEPTION



PARENT MATERIAL	LAND COVER	PLANT SPECIES
ALLUVIUM <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 GLACIOFLUV. <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIOLAC. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MARINE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> GLACIAL TILL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RESIDUUM <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> BEDROCK <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OTHER: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> ARTIFICIAL <input type="checkbox"/> BARREN <input type="checkbox"/> CROP <input checked="" type="checkbox"/> HERBACEOUS <input type="checkbox"/> SHRUB <input type="checkbox"/> TREE <input type="checkbox"/> WATER	

UPDATED 2-22-2012

