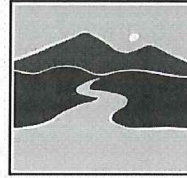


**Individual Permit Application**for a **Lake Encroachment Permit** under Chapter 11 of Title 29, § 401 *et seq.***For Lake Encroachment Permitting Use Only**Application Number: 2016-003

VERMONT DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
**WATERSHED  
MANAGEMENT DIVISION**  
LAKES & PONDS PROGRAM

Submission of this application constitutes notice that the person in Section B intends to encroach beyond the mean water level of a lake or pond, and certifies that the project will comply with Chapter 11 of Title 29, § 401 *et seq.* All information required on this form must be provided, and the requisite fees (Section I) must be submitted made payable to the State of Vermont, to be deemed complete.

**A. Project Information**1a. Physical Address (911 Address): U.S. Route 2

mbs 6/27/16

1b. Town - County: Alburgh - Grand Isle1c. Zip: 054402 SPAN\*: 009-003-11342NA 

3. Name of lake/pond:

Champlain Lake - Alburg

4. Is there an existing lake encroachment permit associated with this project location?

 Yes No

Permit #: \_\_\_\_\_

**B. Applicant Contact Information**1. Name: Louis Porter2a. Mailing Address: 1 National Life Drive, Davis 22b. Municipality: Montpelier2c. State: Vermont2d. Zip: 056203. Phone: 802-917-13474. Email: mike.wichrowski@vermont.gov**C. Application Preparer Contact Information**1. Name: David Webb2a. Mailing Address: 1 National Life Drive, Main 12b. Municipality: Montpelier2c. State: Vermont2d. Zip: 056203. Phone: 802-595-98964. Email: david.webb@vermont.gov**D. Abutting Land Owners**

Using the abutter addendum available on [watershedmanagement.vt.gov/permits/htm/pm\\_encroachment-application.htm](http://watershedmanagement.vt.gov/permits/htm/pm_encroachment-application.htm), attach a list of land owners who abut the proposed project.

\*SPAN: The "School Parcel Account Number" is required for your application to be deemed complete. It can be obtained from your property tax bill. If you cannot locate your property tax bill, please obtain this information from your Town Clerk. SPAN is a unique identification number for each parcel of property in the State of Vermont consisting of eleven digits. The first three digits identify the town; the next three digits identify the school district; and the last five digits represent the unique parcel or property.

**E. Project Description**

1. Describe the proposed project including a description of the materials and mechanical equipment which may be used during construction and the anticipated work schedule. Identify whether or not the project includes placement or removal of fill and if so, specify the number of cubic yards of fill or dredged materials to be placed or removed beyond the shoreline at mean water level. On separate pages attach site plans with aerial and cross section views as well as any other relevant supporting documents:

- 1) Excavation of lake bottom within and outside the footprint of an existing gravel access ramp.
- 2) Installation of a new cast in place reinforced concrete ramp measuring 62' long, 16' wide and 8" thick set atop a 6" dense graded crushed stone leveling course.
- 3) Installation of 2 (two) 5' long, 16' wide and 8" thick precast concrete planks at toe of cast in place ramp and 4' wide, 12" thick Type 1 stone apron around the new ramp.

The ramp improvement will involve approximately 2908 square feet of area. De-watering of the dredging will be via discharge to the lake within an area enclosed by a geotextile filter curtain. Dredged material shall be disposed of properly at an upland, non-wetland site.

Material Quantities: Lake Bottom Excavation - 155 CY; Type 1/Screen Stone - 32 CY; Dense Graded Crushed Stone - 59 CY; Concrete - 49 CY

**2. Describe the purpose of the proposed project:**

The purpose of this project is to improve public boating access to Lake Champlain and her islands. New construction shall replace the existing gravel ramp with a firm & uniform ramp surface while minimizing prop wash and increasing freeboard. The new ramp will provide a stable, safer, smoother and more enjoyable launching/loading experience.

**3. Describe what less intrusive feasible alternatives have been considered and what measures are proposed to reduce adverse impacts on the waterbody:**

No less intrusive, feasible alternative, which can provide necessary performance, has been identified. A geotextile filter curtain shall be implemented to enclose the proposed work, from water surface to lake bottom, and prevent any turbidity from escaping the immediate construction area. Stone fill shall be free of silt, clay and organics.

**4. Describe the public benefits of the proposed project:**

A renovated access ramp will offer the boating public, anglers and water recreation enthusiasts (among others) safe and easy to use access to public resources. Increased ease of use will attract more visitors who, in turn, will positively impact the culture and economy of surrounding lands. Furthermore, the ramp design is such that factors which contribute to turbidity are minimized and water quality is protected.

**F. Encroachment Effects** (describe how the proposed project will affect the following)**1. Water quality:**

During construction approximately 2908 SF of lake shore/bottom will be impacted by excavation and the resulting turbidity shall be contained within a geotextile filter curtain. Only the small fraction of Lake Champlain within the filter curtain will experience this temporary agitation. The filter curtain will remain in place until turbidity levels on either side of the curtain have equalized. Post construction, the new ramp design will minimize future turbidity and help promote lasting water quality.

**2. Fish and wildlife habitat:**

The new ramp shall replace the existing access; construction shall take place on the same site and in the same location. Any impact to habitat as a result of construction will be extremely minimal if at all.

**3. Aquatic and shoreline vegetation:**

Existing conditions of current access area vegetation shall be preserved. Construction impact will not be measurable.

**4. Consistency with natural surroundings:**

New construction is to take place within the existing access area and the bulk of the work will exist below water level. Consistency with natural surroundings is expected.

**5. Navigation, recreation, and other public uses:**

The ramp will be closed to use during the course of construction, limiting public access to Lake Champlain from Alburgh for an estimated three week period. Once completed, the new ramp will have a long term positive impact on future use, as the public ramp will be safer and easier to use.

**G. Applicant Certification**

As APPLICANT, I hereby certify that the statements presented on this application are true and accurate and recognize that by signing this application, I agree to complete all aspects of the project as authorized. I understand that failure to comply with the foregoing may result in violation of the Chapter 11 of Title 29, § 401 *et seq.*, and the Vermont Agency of Natural Resources may bring an enforcement action for violations of the Act pursuant to 10 V.S.A. chapter 201.

Applicant/Landowner Signature: \_\_\_\_\_

Date: \_\_\_\_\_

2/16/16

**H. Application Preparer Certification (if applicable)**

As APPLICATION PREPARER, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Application Preparer Signature: *Daniel Wells* Date: 01/29/2016

**I. Permit Application Fees**

Select the most applicable permit description and requisite fee. If the proposed project involves more than one of the project types, multiple fees may apply. For example, a project involving structural erosion control and marina improvement will require both fees (3) and (4).

EXEMPT

## 1. Non-structural erosion control project (e.g., rip rap):

Non-structural erosion control project: \$155.00		
<b>Total:</b>		

## 2. Structural erosion control project (e.g., concrete wall replacement):

Structural erosion control project: \$250.00		
<b>Total:</b>		

## 3. Other projects (e.g., marina improvements):

Other Project: \$300.00		
Project Cost Fee: 0.01 times project cost	Project cost (11.) _____ x 0.01	
<b>Total:</b>		

**Print Form**

**Submit this form and application fee, payable to:**

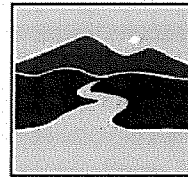
**State of Vermont  
Vermont Department of Environmental Conservation  
Watershed Management Division  
Lake Encroachment Permitting  
1 National Life Drive, Main 2  
Montpelier, VT 05620-3522**

Direct all correspondence or questions to Lake Encroachment Permitting at:  
[ANR.WSMDShoreland@state.vt.us](mailto:ANR.WSMDShoreland@state.vt.us)

For additional information visit: [www.watershedmanagement.vt.gov](http://www.watershedmanagement.vt.gov)



**Lake Encroachment  
Application Addendum**  
for a Lake Encroachment Permit under  
Chapter 11 of Title 29, § 401 *et seq.*



VERMONT DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
**WATERSHED  
MANAGEMENT DIVISION**  
LAKES & PONDS PROGRAM

*For Lake Encroachment Permitting Use Only*  
Application Number:

This Abutting Land Owner Addendum is intended to accompany a completed *Lake Encroachment Permit Application* in instances of a proposed lake encroachment abutting land owners other than the applicant.

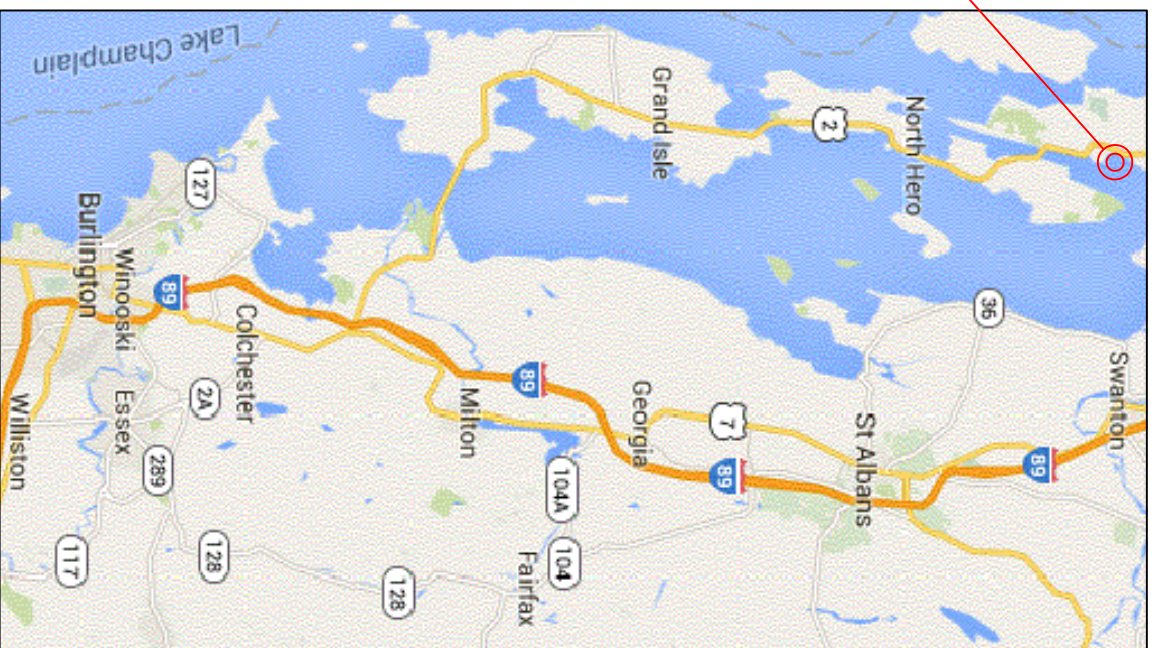
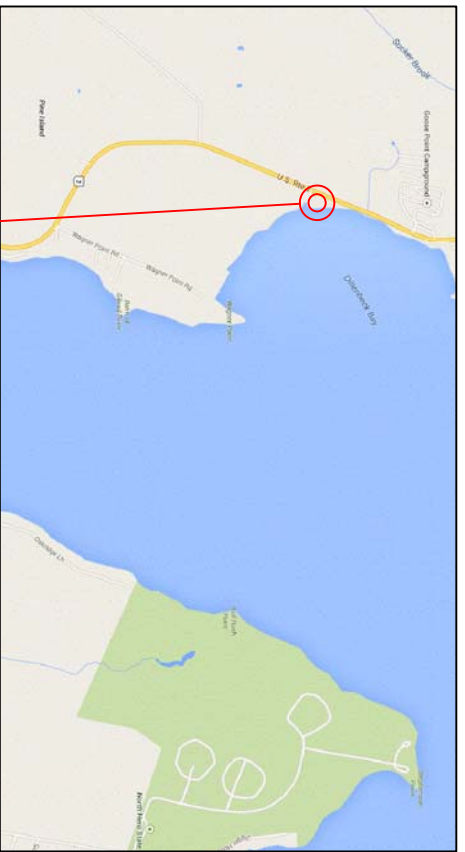
<b>I. Abutting Land Owner Information</b>	
<b>1. Name:</b>	Catherine Fraser
<b>Address:</b>	80 Lorne Avenue Apt. 204, Saint Lambert, QC J4P 3R6
<b>2. Name:</b>	Anthony & Ann Fisher
<b>Address:</b>	572 U.S. Route 2 South, Alburgh, VT 05440
<b>3. Name:</b>	John & Deborah Fleury
<b>Address:</b>	2383 West Enosburg Road, Enosburgh, VT 05450
<b>4. Name:</b>	
<b>Address:</b>	
<b>5. Name:</b>	
<b>Address:</b>	
<b>6. Name:</b>	
<b>Address:</b>	
<b>7. Name:</b>	
<b>Address:</b>	
<b>8. Name:</b>	
<b>Address:</b>	
<b>9. Name:</b>	
<b>Address:</b>	
<b>10. Name:</b>	
<b>Address:</b>	

*Submit this form as an addendum to a complete Lake Encroachment Application to:*

State of Vermont  
Vermont Department of Environmental Conservation  
Watershed Management Division  
Lake Encroachment Permitting  
1 National Life Drive, Main 2  
Montpelier, VT 05620-3522

Direct all correspondence or questions to Lake Encroachment Permitting at:  
ANR.WSMDShoreland@state.vt.us

For additional information visit: [www.watershedmanagement.vt.gov](http://www.watershedmanagement.vt.gov)



DILLENBECK ACCESS AREA IS LOCATED IN ALBURGH, VT ON U.S. ROUTE 2. TAKE EXIT 17 OFF I-89N, PROCEED WEST ON U.S. ROUTE 2 FOR APPROXIMATELY 40 MILES. THE ACCESS IS 2.3 MILES BEYOND NORTH HERO/ALBURGH BRIDGE ON RIGHT.

**PROJECT DESCRIPTION:**

INSTALLATION OF A GEOTEXTILE FILTER CURTAIN WITHIN THE LAKE TO ENCLOSE A LAKE BOTTOM EXCAVATION OPERATION FOR THE PURPOSE OF INSTALLING A NEW CAST IN PLACE CONCRETE BOAT RAMP AND ASSOCIATED GRANULAR SUBBASE MATERIALS. PERFORM OTHER MINOR ITEMS NECESSARY TO COMPLETE THE PROJECT.

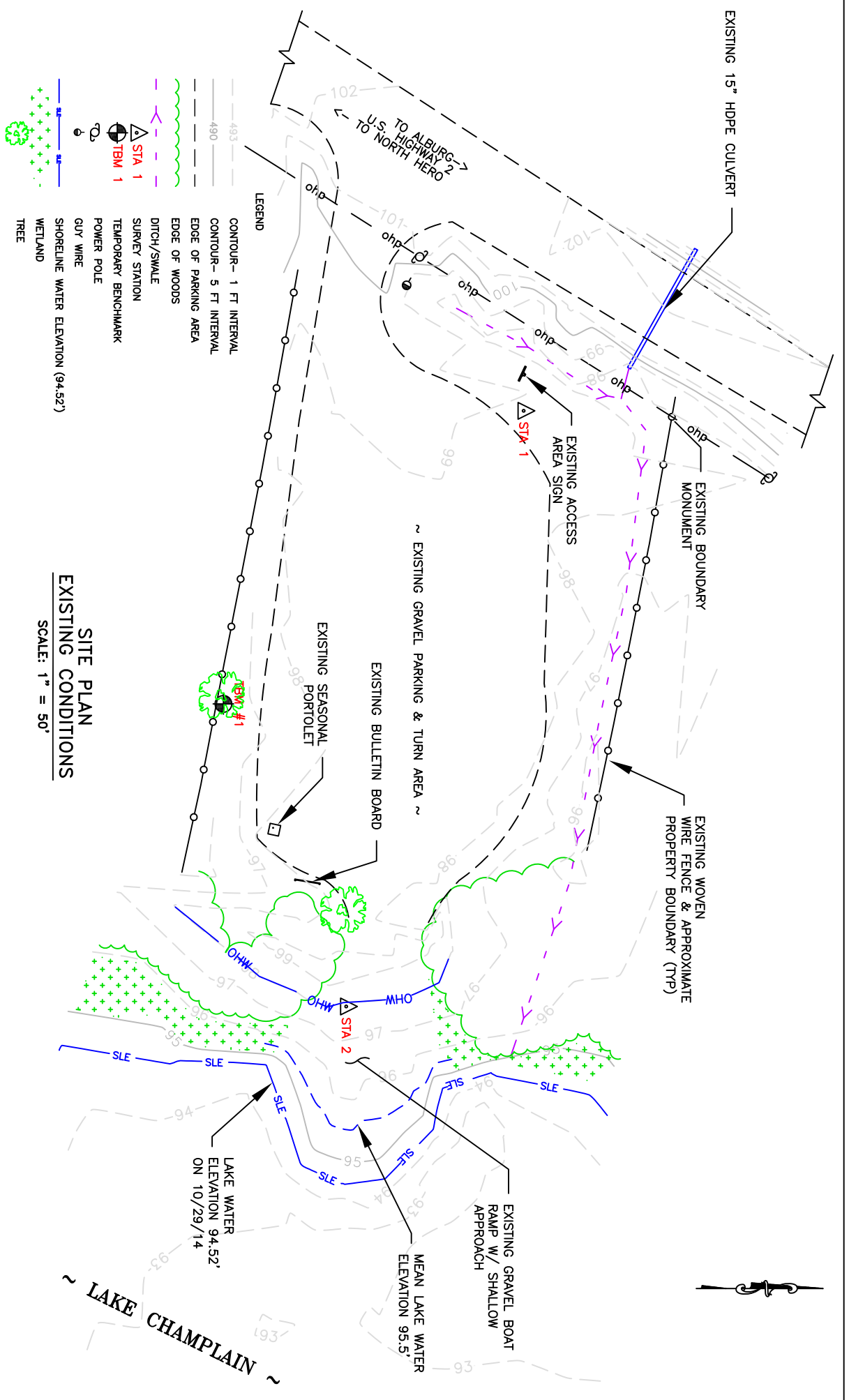
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 DRAWN: CGR  
 CHECKED: DHW  
 REVISION 1:  
 REVISION 2:  
 REVISION 3:

STATE OF VERMONT  
 AGENCY OF NATURAL RESOURCES  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 FACILITIES ENGINEERING DIVISION  
 MONTPELIER, VERMONT 05620-3510

DEPARTMENT  
 FISH & WILDLIFE

PROJECT  
 DILLENBECK BAY ACCESS IMPROVEMENTS

TOWN: ALBURGH  
 STATE: VERMONT  
 DATE: 1/29/2016  
 DATUM: NONE  
 SHEET: 1 OF 6  
 SCALE: NONE



DESIGNED: DHW  
 DRAWN: CGR  
 CHECKED: DHW  
 REVISION 1:  
 REVISION 2:  
 REVISION 3:

STATE OF VERMONT  
 AGENCY OF NATURAL RESOURCES  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 FACILITIES ENGINEERING DIVISION  
 MONTPELIER, VERMONT 05620-3510

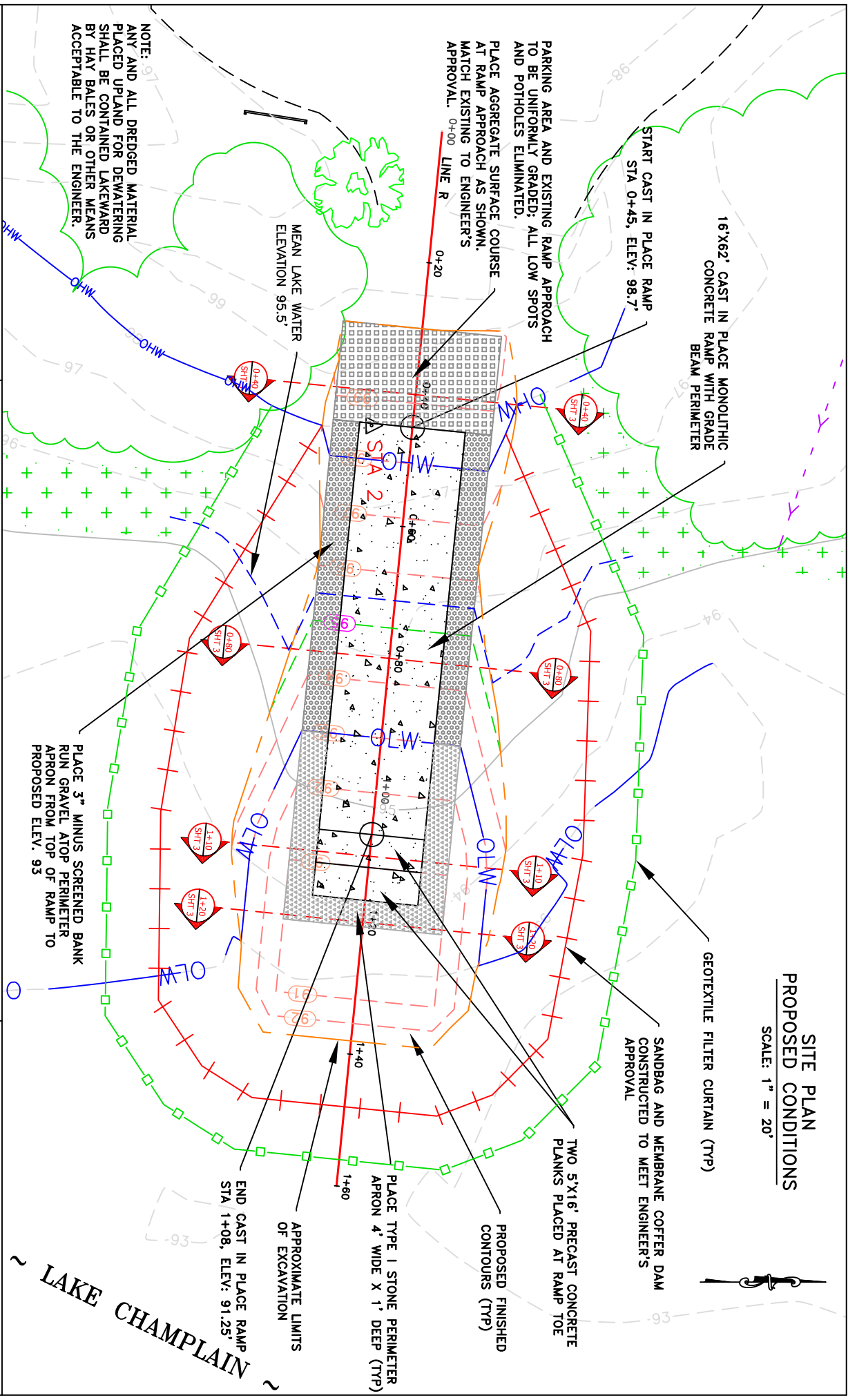
DEPARTMENT  
 FISH & WILDLIFE

PROJECT  
 DILLENBECK BAY ACCESS IMPROVEMENTS

TOWN: ALBURGH  
 STATE: VERMONT  
 DATE: 1/29/2016  
 DATUM: USGS-BURLINGTON  
 SHEET: 2 OF 6  
 SCALE: 1" = 50'

**SITE PLAN  
PROPOSED CONDITIONS**

SCALE: 1" = 20'



DESIGNED: DHW  
 DRAWN: CGR  
 CHECKED: DHW  
 REVISION 1:  
 REVISION 2:  
 REVISION 3:

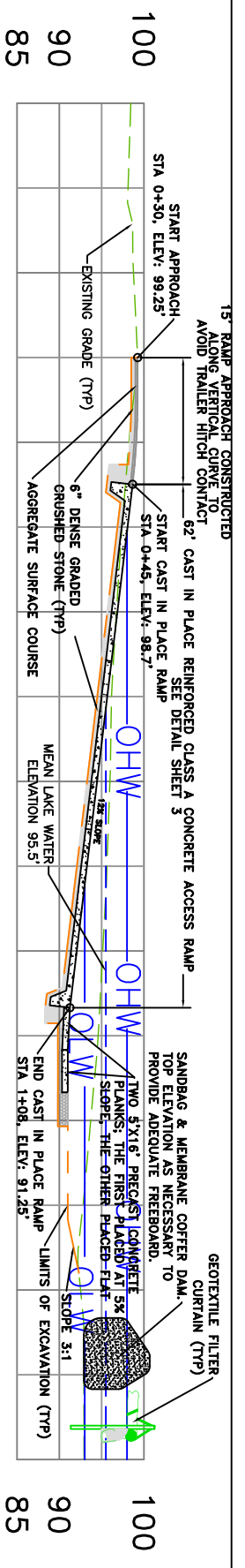
STATE OF VERMONT  
 AGENCY OF NATURAL RESOURCES  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 FACILITIES ENGINEERING DIVISION  
 MONTPELIER, VERMONT 05620-3510

DEPARTMENT  
 FISH & WILDLIFE

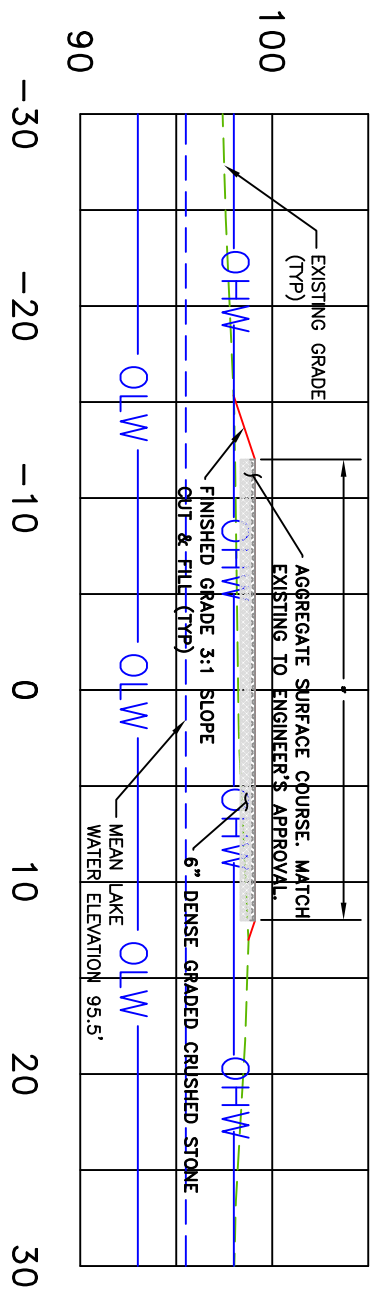
PROJECT  
 DILLENBECK BAY ACCESS IMPROVEMENTS

TOWN: ALBURGH  
 STATE: VERMONT  
 DATE: 1/29/2016  
 DATUM: USGS-BURLINGTON  
 SHEET: 3 OF 6  
 SCALE: 1" = 20'

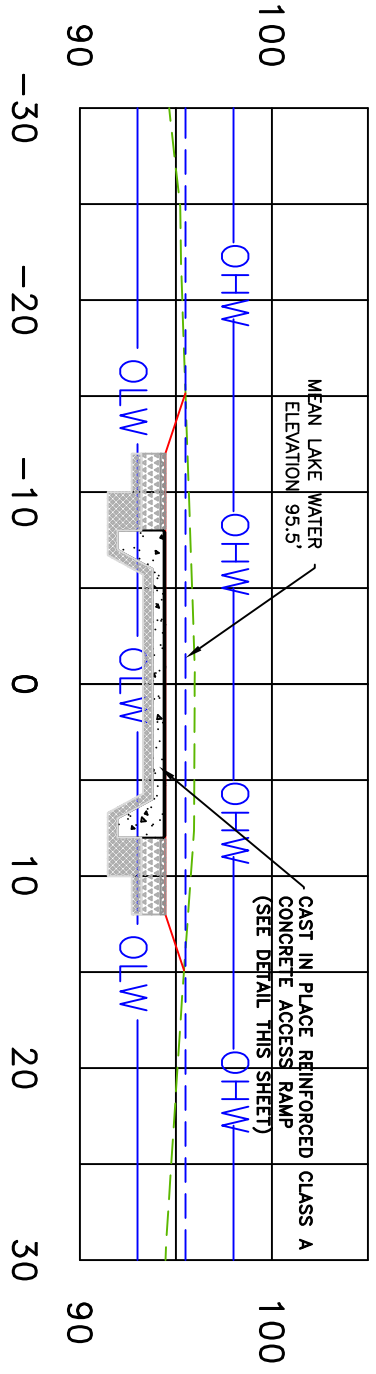




LINE R  
PROFILE VIEW  
SCALE: 1" = 20'



LINE R  
SECTION VIEW @ 0+80  
SCALE: 1" = 10'



LINE R  
SECTION VIEW @ 0+80  
SCALE: 1" = 10'

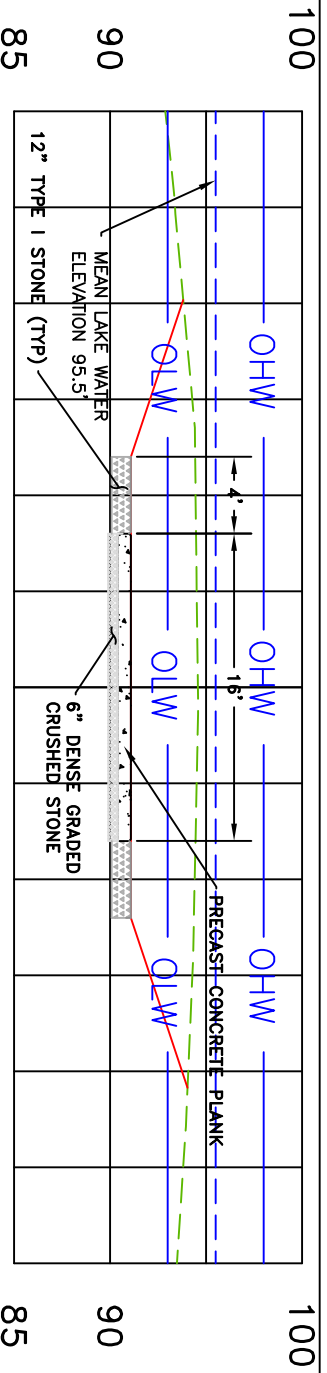
DESIGNED: DHW  
DRAWN: CGR  
CHECKED: DHW  
REVISION 1:  
REVISION 2:  
REVISION 3:

STATE OF VERMONT  
AGENCY OF NATURAL RESOURCES  
DEPT. OF ENVIRONMENTAL CONSERVATION  
FACILITIES ENGINEERING DIVISION  
MONTPELIER, VERMONT 05620-3510

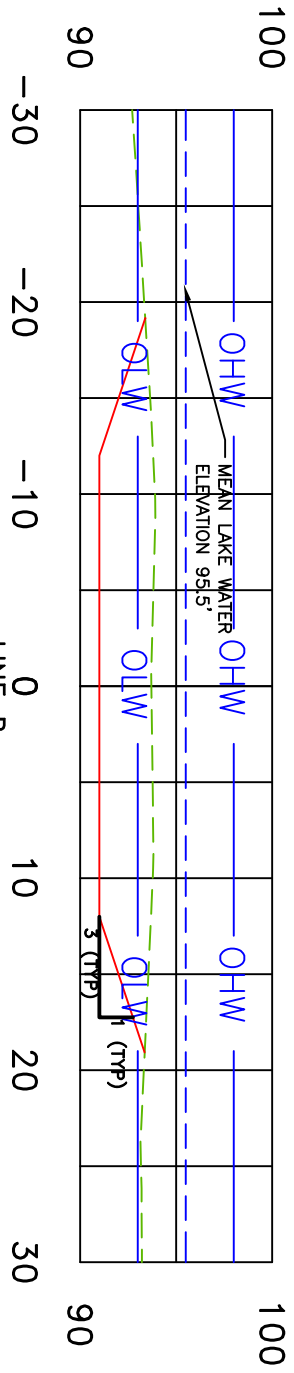
DEPARTMENT  
FISH & WILDLIFE

PROJECT  
DILLENBECK BAY ACCESS IMPROVEMENTS

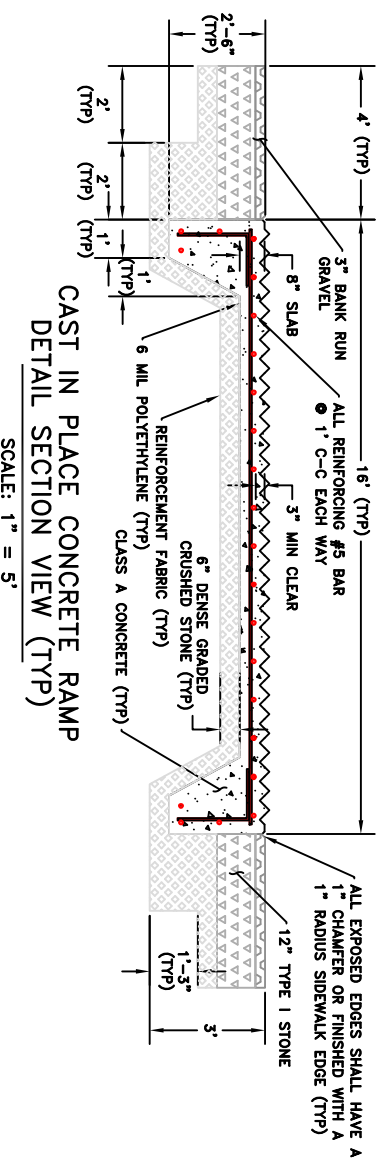
TOWN: ALBURGH  
STATE: VERMONT  
DATE: 1/29/2016  
DATUM: USGS-BURLINGTON  
SHEET: 4 OF 6  
SCALE: AS NOTED



SECTION VIEW @ 1+10  
SCALE: 1" = 10'



SECTION VIEW @ 1+20  
SCALE: 1" = 10'



SCALE: 1" = 5'

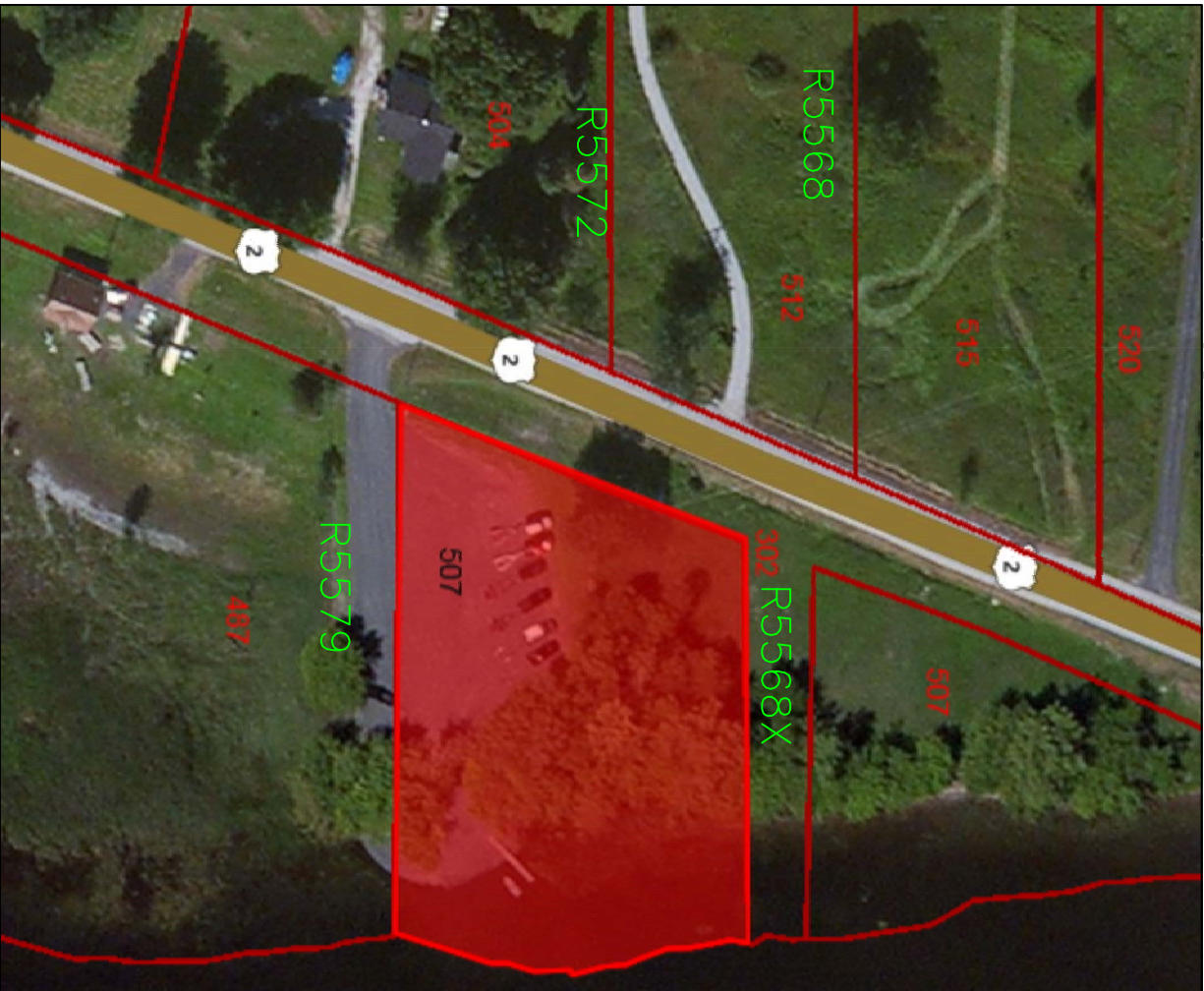
DESIGNED: DHW  
 DRAWN: CGR  
 CHECKED: DHW  
 REVISION 1:  
 REVISION 2:  
 REVISION 3:

STATE OF VERMONT  
 AGENCY OF NATURAL RESOURCES  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 FACILITIES ENGINEERING DIVISION  
 MONTPELIER, VERMONT 05620-3510

FISH & WILDLIFE

DILLENBECK BAY ACCESS IMPROVEMENTS

TOWN: ALBURGH  
 STATE: VERMONT  
 DATE: 1/29/2016  
 DATUM: USGS-BURLINGTON  
 SHEET: 5 OF 6  
 SCALE: AS NOTED



ABUTTING LANDOWNERS

- R5568 – CATHERINE FRASER  
80 LORNE AVENUE, APT. 204  
SAINT LAMBERT, QC J4P 3R6
- R5568X – CATHERINE FRASER  
80 LORNE AVENUE, APT. 204  
SAINT LAMBERT, QC J4P 3R6
- R5572 – ANTHONY & ANN FISHER  
572 U.S. ROUTE 2 SOUTH  
ALBURGH, VT 05440
- R5579 – JOHN & DEBORAH FLEURY  
2383 WEST ENOSBURG ROAD  
ENOSBURG, VT 05450

DESIGNED: DHW  
 DRAWN: CGR  
 CHECKED: DHW  
 REVISION 1:  
 REVISION 2:  
 REVISION 3:

STATE OF VERMONT  
 AGENCY OF NATURAL RESOURCES  
DEPT. OF ENVIRONMENTAL CONSERVATION  
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MONTPELIER, VERMONT 05620-3510

DEPARTMENT  
 FISH & WILDLIFE

PROJECT  
 DILLENBECK BAY ACCESS IMPROVEMENTS

TOWN: ALBURGH  
 STATE: VERMONT  
 DATE: 1/29/2016  
 DATUM: NONE  
 SHEET: 6 OF 6  
 SCALE: NONE