

Shoreland Permit Applicationfor a **Shoreland Protection Permit** under
Chapter 49A of Title 10, § 1441 *et seq.*VERMONT DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**WATERSHED
MANAGEMENT DIVISION**

LAKES & PONDS PROGRAM

For Shoreland Permitting Use Only

Application Number:

2119-SP

Public Notice: At the same time this application is filed with Shoreland Permitting, a copy of this application must be provided to the municipal clerk for posting in the municipality in which the project is located.Submission of this application constitutes notice that the person in Section A intends to create impervious surface and/or cleared area within the Protected Shoreland Area, and certifies that the project will comply with Chapter 49A of Title 10, § 1441 *et seq.* All information required on this form must be provided, and the requisite fees (Section G) must be submitted made payable to the State of Vermont, to be deemed complete. Refer to *The Vermont Shoreland Protection Act - A Handbook for Shoreland Development* and related instructions for guidance in completing this application.**A. Parcel Information**

1. Landowner's Name: Hoehl Family Real Estate, LLC

2a. Physical Address (911 Address): 1044 Grosse Point Road

2b. Town - County: Ferrisburgh - Addison

2c. Zip: 05456

3. 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) : 228-073-10646

4. Phone: 802-777-7506

5. Email: caretaker04@msn.com

6. Name of lake/pond: Champlain Lake (Otter Creek) - Ferrisburgh

7. Total shore frontage: 8,250.00 (feet)

8. Was the parcel of land created before July 1, 2014? Yes No9. Are there wetlands associated with this parcel? Yes No (mapped wetland location > 1500-feet from project area)
Contact the Wetlands Program: (802) 828-1535 or watershedmanagement.vt.gov/wetlands.htm10. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel?
 Yes No11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 1,763,688 (square feet)
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix C, Determining Lakeside Zone & PSA12. What is the surface area of existing impervious surface on your parcel within the PSA: 68,788 (square feet)
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface13. What is the surface area of existing cleared area on your parcel within the PSA: 547,811 (square feet)
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing**B. Applicant Contact Information**

1. Name: Cary Lewis

2a. Mailing Address: 5420 Sand Road

2b. Municipality: Ferrisburgh

2c. State: VT.

2d. Zip: 05456

3. Phone: 802-777-7506

4. Email: caretaker04@msn.com

C. Application Preparer Information (If the individual preparing the application is not the landowner.)

1. Name: Jeff Zweber, PE, Engineering Ventures, P.C.

2a. Mailing Address: 208 Flynn Avenue, Suite 2A

2b. Municipality: Burlington

2c. State: Vermont

2d. Zip: 05401

3. Phone: (802) 863-6225

4. Email: jeffz@engineeringventures.com

D. Project Description

1. Describe the proposed project. For this application to be considered administratively complete you must attach site plans that denote existing and proposed cleared areas and impervious surface and their distances from mean water level, no fewer than three photos of the project area, and dimensions and associated surface areas of cleared areas and impervious surfaces.

Repair a failed stone retaining wall with improved drainage installations. Additional improvements include the installation of additional retaining walls to terrace the grade on the side of the house that is away from the lake (south side). This will improve access to the house and utilize the existing lawn area on the side of the house that is away from the lake. Additional impervious area will surround the existing driveway drop-off loop to permit appropriate vehicle circulation and allow the utilization of the historic home during a wider range of weather conditions.

Currently because of the embankment, there is limited sight lines to the lake from the house. Visibility is highly limited by the top of the embankment. A small patio area is proposed to provide visual access to the lake from a location that is near the historic home.

The existing parking area is reconfigured to allow the parking and turnaround of larger vehicles, including a fire apparatus near the historical home.

2. For developed parcels, how far is the existing habitable structure from Mean Water Level 122 (feet), and

How far will new cleared area or impervious surface be from MWL ~~XXX~~ (feet)?
110 feet

OR
For undeveloped parcels, how far will new cleared area or impervious surface be from MWL _____ (feet)?
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix A – Estimating Mean Water Level

3. Can all new cleared area or impervious surface be set back at least 100 feet from MWL? Yes No
If no, explain why below (attach support information as needed):

There is no additional cleared area proposed.

The overwhelming majority of the proposed impervious area is located on the far side of the house from the lake. A small limited amount of impervious is to accommodate a patio that will allow visual access to the lake. To minimize impacts to the historical structure from relocating the parking area, the existing parking area is salvaged and reconfigured. This results in a small amount to additional impervious area to square off the corners and thereby significantly increasing the effectiveness of the existing parking area.

4a. What is the slope of the project site area: ~~XXX~~ 15%
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope

4b. Is the slope of the project area less than 20%?
 Yes No If yes, skip 4c.

4c. If no above (4b), describe the measures taken to ensure the slope is stable, resulting in minimal erosion and impacts to water quality (attach support information as needed):

Stabilized stone fill will be placed during the same day that areas greater than 20% are disturbed. Other areas will receive seeding and vegetation with 1 week from being disturbed. Additionally, much of the existing slope will be planted which will improve long term slope stability.

5a. What is the surface area of new impervious surface associated with this project: ~~XXX,000~~ (square feet)
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F Calculating Percent Impervious Surface 3,469

5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: ~~XXX,000~~ (square feet)
For D5b, add A12 to D5a 72,257

5c. Is the total in 5b. 20% or less of the parcel area within the PSA? Yes If yes, skip 5d. No
If 5a is 0, check the n/a box, otherwise divide 5b by A11 and multiply by 100 for percentage. Total percentage = _____% N/A

5d. If no above (5c), describe the best management practices used to manage, treat and control erosion from stormwater from the portion of impervious that exceeds 20% (attach support information as needed):

6a. What is the surface area of new cleared area associated with this project: 0.00 (square feet)

See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing

6b. What is the total resulting cleared area after completion of the project and prior to implementation of best management practices: 547,811.00 (square feet)

For 6b, add A13 to D6a.

6c. Is the total in 6b. 40% or less of the parcel area within the PSA? Yes If yes, skip 6d.

No

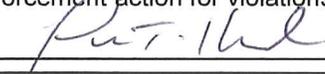
If 6a is 0, check the n/a box, otherwise divide 6b by A11 and multiply by 100 for percentage. Total percentage = 31.1%

N/A

6d. If no above (6c), describe the best management practices used to provide erosion control, bank stability, and wildlife habitat functionally equivalent to clearing less than 40% (attach support information as needed).

E. Landowner 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 Shoreland Protection Act, 10 V.S.A. Chapter 49A, 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: 05/18/16

F. 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:  Date: 05/18/16

G. Additional Required Documentation (Please check to ensure you have completed the following)

- All sections of the application are complete (or otherwise indicate "not applicable")
- Application includes site plans denoting existing and proposed cleared area and impervious surface and distances from mean water level
- Application description includes dimensions and surface areas of cleared areas and impervious surfaces
- Application includes photos of project area ([photos on site plan](#))

H. Permit Application Fees

Administrative Fee: \$125.00		\$ 125.00
Impervious Area Fee: \$0.50 per square foot	Enter new impervious area as entered in item (5a.) <u>3,469</u> XXXXX x .5	\$ XXXXXX <u>\$1,374.50</u>
Total:		\$ 2,185.00

Print Form

Submit this form and application fee, payable to:

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

Refund of \$325.50 to be issued upon permit issuance

Direct all correspondence or questions to Shoreland Permitting at: ANR.WSMDShoreland@vermont.gov

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For additional information visit: www.watershedmanagement.vt.gov

June 3, 2016

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



Re: Shoreland Protection Act Permit
1044 Grosse Point Road Ferrisburgh

Greetings:

We are assisting the Hoehl Family, a property owner along Lake Champlain in Ferrisburgh, to repair a catastrophic failure of an existing retaining wall around their historical home. As part of this project, they are proposing other work that includes constructing a lower terrace to reduce the wall height, further plantings to reduce erosion, constructing a patio area, and reconfiguring the parking to be more effective. Most of the work is proposed for the side of the home that is farthest away from the lake. The goal of all the proposed work is to preserve the environment, repair the damage to the existing site, maintain the historic character of the property and increase the accessibility of the property.

We have enclosed the following documents:

10 V.S.A. Chapter 49A Section 1441 Shoreland Protection Permit Application
C1.0 & C1.1 Site Plans, dated 5/25/16
Location Plan (on attached Plans)
Ortho Map (on attached Plans)
Site Photographs

Check # 1020 for \$2185.00

Thank you for your assistance reviewing this project. Please let me know if you have any questions or need additional information.

Sincerely,



Jeff Zweber, P.E.
Project Engineer

cc: Cary Lewis



036 (2)



037 (2)



095 (2)



103 (2)



104 (2)







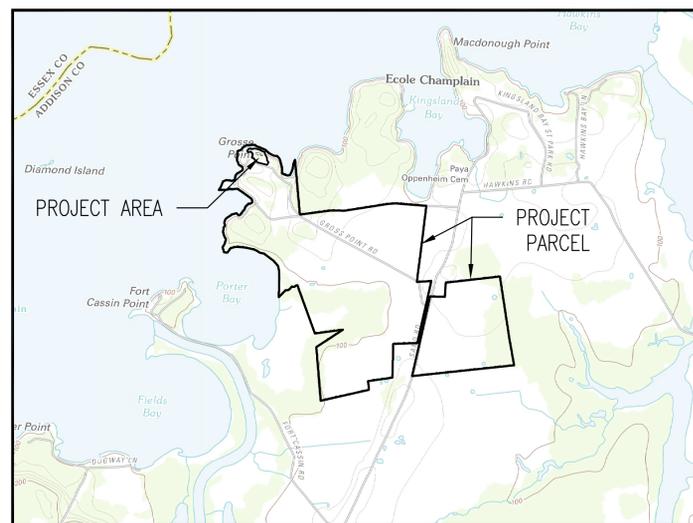
Aerial Photo



PHOTO A



PHOTO B



OVERALL SITE LOCATION



SCALE: 1" = 2000'

LEGEND SHORELAND PERMIT APP

- APPROXIMATE PROPERTY LINE
- APPROXIMATE LIMIT OF 100' DEEP LAKESIDE ZONE
- APPROXIMATE LIMIT OF 150' DEEP UPLAND ZONE
- APPROXIMATE PROJECT AREA
- NEW IMPERVIOUS AREA
- NEW CLEARED AREA

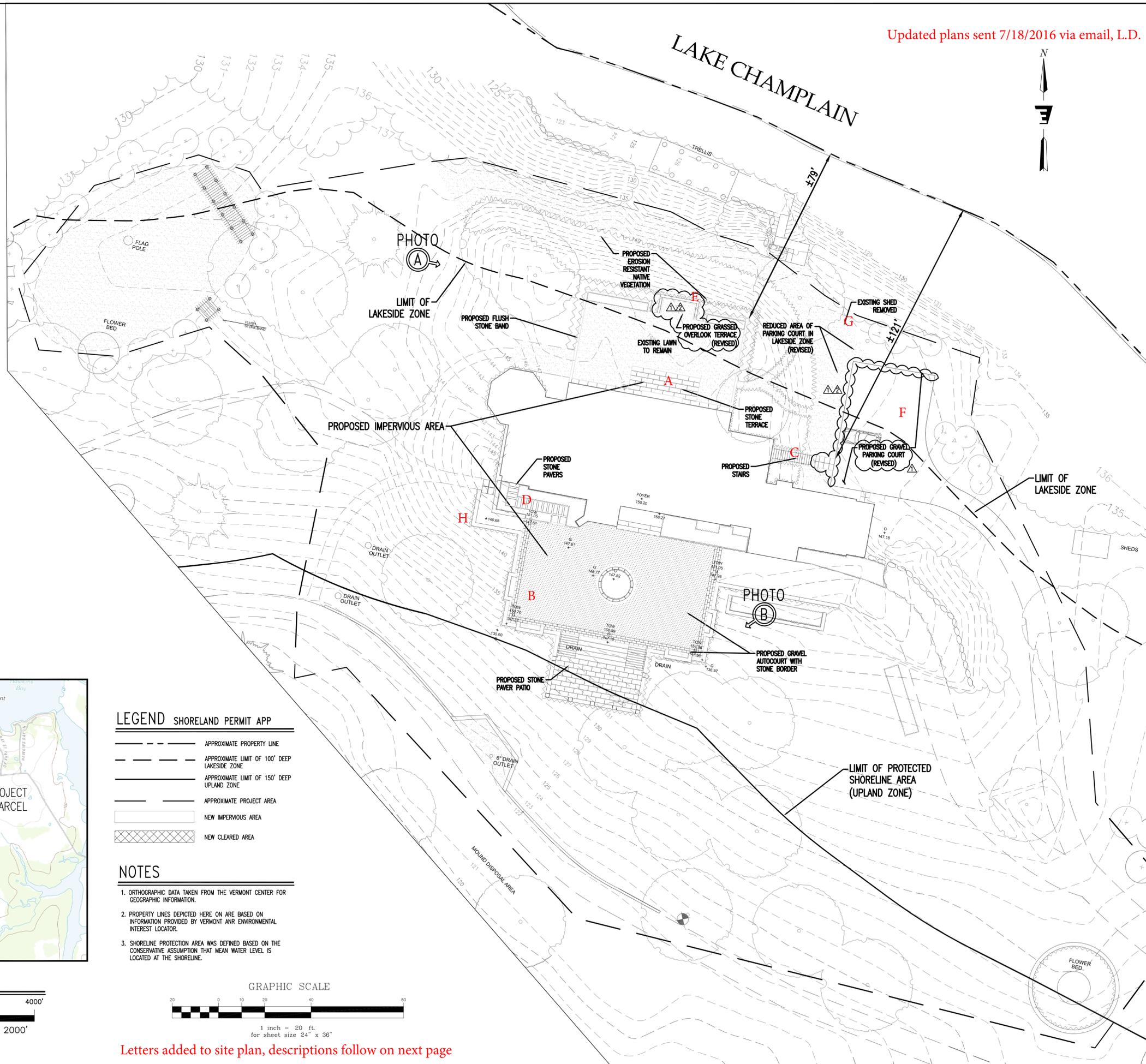
NOTES

1. ORTHOGRAPHIC DATA TAKEN FROM THE VERMONT CENTER FOR GEOGRAPHIC INFORMATION.
2. PROPERTY LINES DEPICTED HERE ON ARE BASED ON INFORMATION PROVIDED BY VERMONT ANR ENVIRONMENTAL INTEREST LOCATOR.
3. SHORELINE PROTECTION AREA WAS DEFINED BASED ON THE CONSERVATIVE ASSUMPTION THAT MEAN WATER LEVEL IS LOCATED AT THE SHORELINE.

GRAPHIC SCALE



1 inch = 20 ft. for sheet size 24" x 36"



Updated plans sent 7/18/2016 via email, L.D.



Rev. No.	Description
01	REDUCE IMPERVIOUS AREAS - 07/08/2016
02	MOD. REV. 1. DRAFTING - 07/19/2016

ENGINEERING VENTURES PC
 208 Flyn Avenue, Suite 2A Burlington, VT 05401
 Tel: 802.863.6225 • Fax: 802.863.6306
 85 Mechanic Street, Suite 300A, Lebanon, NH 03766
 Tel: 603.442.3333 • Fax: 603.442.3331
 www.engineeringventures.com

Client:
 Hochl Family Real Estate, LLC
 Cary Lewis, Caretaker
 1044 Grosse Point Road
 Ferrisburg, Vermont 05456
 (802) 777-7506

Sheet Title:
Permit Site Plan
Vermont Shoreland Protection
 Exterior Improvements
 1044 Grosse Point Road
 Ferrisburg, Vermont

Designed By:	HKW
Checked By:	JZ
Drawn By:	
Scale:	1" = 20'
Date:	05/25/16

C1.1
 EV#15954

Letters added to site plan, descriptions follow on next page

Updates Received via email 7/18/2016 and through phone conversation on 7/19/2016 –L.D.

Project Description:

The project will create a total of 3,469 square feet of new impervious surfaces, including:

(Letters correspond to site plan)

- A. Stone Terrace 447 square feet, 110 feet from mean water level
- B. Gravel autocourt, with stone border (expansion of existing impervious area) 2,773 square feet beginning at 180 feet from mean water level
- C. Stair case improvement next to gravel parking area 133 square feet at 121 feet from mean water level.
- D. New stairs 116 square feet, 125 feet from mean water level

Other changes to original plan include:

E. Overlook terrace: In the original application submitted the applicants proposed an overlook terrace closer to mean water level than 100 feet. The applicants are not installing an impervious surface in this location, they will grade the existing cleared area for a pervious overlook patio area. (Confirmed on site visit 6/29/16 and provided in follow-up plans on 7/18/16)

F. Gravel Parking lot expansion: In the original application submitted, the applicants proposed increasing the gravel parking area about 60 feet from mean water level. The applicants were informed that this would not be permitted. The applicants stated that they have changed their plans and are reducing the size of the parking area and are not proposing any impervious surfaces in this area.

G. Shed: The existing shed was originally proposed to be moved from its location, closer to mean water level. On the 6/29/2016 site visit, the applicants were informed that this was not allowed. The shed is now being removed and demolished.

H. Retaining wall replacement: An existing retaining wall around the house failed. The retaining wall is about 200 feet from mean water level. The retaining wall will be replaced in the same footprint. The existing surrounding slope is currently cleared area (grass lawn). No new cleared area or impervious area will be created for this activity, therefore it is exempt from permitting.