Version: October 2015

Shoreland Permit Application

for a **Shoreland Protection Permit** under Chapter 49A of Title 10, § 1441 *et seq.*

For Shoreland Permitting Use Only

Application Number:

3. Phone: (802) 372-9966

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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 NOV 2 0 2015 Four Fifty Five West Shore Road, LLC 1. Landowner's Name: 2a. Physical Address (911 Address): 455 West Shore Road 3. SPAN*: 603-189-11152 2b. Municipality: South Hero 2c. Zip: 05486 4. Phone: (802) 985-3037 802 238 7767 cell 5. Email: casey@caseyblanchard.com 6. Name of lake/pond: Lake Champlain 7. Total shore frontage: 150.00 (feet) 8. Was the parcel of land created before July 1, 2014? 9. Are there wetlands associated with this parcel? ■ Yes No Contact the Wetlands Program: (802) 828-1535 or www.anr.state.vt.us/dec/waterq/wetlands.htm. Yes ■ No Permit #: 10. Is there a lake encroachment permit associated with this parcel? Contact Lake Encroachment Permitting: www.anr.state.vt.us/dec/waterq/permits/htm/pm_encroachment.htm (square feet) 11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 38,085 See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix C, Determining Lakeside Zone & PSA 12. What is the surface area of existing impervious surface on your parcel within the PSA: 4,217 (square feet) See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface 13. What is the surface area of existing cleared area on your parcel within the PSA: 19,516 (square feet) See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing **B.** Applicant Contact Information 1. Name: Four Fifty Five West Shore Road, LLC 2a. Mailing Address: PO Box 777 2d. Zip: 05482 2c. State: VT 2b. Municipality: Shelburne 4. Email: casey@caseyblanchard.com 3. Phone: (802) 985-3037 C. Application Preparer Information (If the individual preparing the application is not the landowner.) 1. Name: Buermann Engineering, LLC 2a. Mailing Address: 107 Allen Road 2b. Municipality: Grand Isle 2c. State: VT 2d. Zip: 05458

*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.

4. Email: jay@belvt.com

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D. Project Description	
 Describe the proposed project. For this application to be attach site plans that denote existing and proposed clead distances from mean water level, no fewer than three p associated surface areas of cleared areas and impervious 	ared areas and impervious surface and their hotos of the project area, and dimensions and bus surfaces.
Remove two 1-bedroom seasonal cottages, a 1-bedroom year-round residence and a detached garage; construct a new duplex with an attached garage (with new well, water service, wastewater service, and buried utility services); and modify existing drive.	
 For developed parcels, how far is the existing habitable how far will new cleared area or impervious surface be OR For undeveloped parcels, how far will new cleared area 	from MWL <u>54</u> (feet)?
See The Vermont Shoreland Protection Act – A Handbook for Shoreland De 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): The site is constrained by a wetland along the northerly edge of the property, and an existing wastewater disposal field along the southerly edge of the property. The US Army Corps of Engineers has permitted some minimal encroachment into the wetland to accommodate the proposed residence and driveway, but most of the usable area on this property is within about 130 feet of the shoreline - in which area we need to accommodate both the residence and the driveway (with the means to turn a vehicle around).	
4a. What is the slope of the project site area: 50.00 % 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): Riprap covers approximately 60' x 10' on lake side of new structure. The developed portion of this property is primarily sited on a nearly level plateau (eg., less than about six percent grade), but overlooking a fairly steep bank down to the lakeshore. The existing year-round residence cuts into this natural bank, exposing the west side of the house foundation almost down to the shoreline elevation. The proposed residence is sited further east (as far east as possible, while still being able to provide a driveway turn-around), and the natural bank is essentially restored to correspond to its natural grade. Portions of the bank that are too steep to accommodate a turf and sheet flow treatment of stormwater runoff will instead be armored with heavy dry-set riprap. Construction will comply with the "Vermont Handbook for Soil Erosion and Sediment Control On Construction Sites". Refer also to project plans and details for additional stormwater management features. As shown on the site photos the shoreline itself consists of massive surface ledge and is not well suited to supplemental stormwater treatment methods.	
5a. What is the surface area of new impervious surface associated with this project: 1.522.00 (square feet) See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F Calculating Percent Impervious Surface	5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices:
5c. If no above (5b), 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).	

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- 6a. What is the surface area of new cleared area associated with this project: 3,133.00 (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: 22,649,00 (square feet) and is that 40% or less of the parcel area within the PSA? Yes I■ No If yes, skip 6c. *Total cleared area includes impervious surface area.

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

Refer to 4c (above) for a discussion of erosion control and bank stability features to be provided. The lake shore is proposed as a designated no-mow zone, to serve as a wildlife corridor (3,059 s.f.). Further revegetation or no-mow zone designation is not practical on this site: the east lawn is almost entirely disposal field, and minimal maintenance strips (approx. 20 feet perimeters) are retained around the proposed residence and the existing wastewater disposal field.

3,156 square feet of vegetathe cover will be established as a no-mow zone E. Landowner Certification P.S. A. SI. 2% after 02 to 10 square feet of cleared a real within the 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: Kathanne CBlanchard Date: 11.18.15

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: 1k W Bun Date: 10 Nov 2015

G. Permit Application Fees

125.00 Administrative Fee:\$125.00 \$ 761.00 New impervious area (5a.) 1,522.00 X **0.5** Impervious Area Fee: \$0.50 per square foot \$ 886.00 Total:

Submit this form and application fee, payable to:

State of Vermont

Vermont Department of Environmental Conservation Sharen B Roy.

Watershed Management Division
Shoreland Permitting
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

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

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

FOUR FIFTY FIVE WEST SHORE ROAD, LLC Site Photos, November 6, 2015



View of Protected Shoreland Area, Looking West



View of Beach, Looking South



View of North End of Beach, Looking Northeast



View of Residential Area & Drive, Looking Northwest

