

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: **279**

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 <i>et seq.</i> 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 <i>The Vermont Shoreland Protection Act - A Handbook for Shoreland Development</i> and related instructions for guidance in completing this application.			
A. Parcel Information			
1. Landowner's Name: Matthew Rogers and Heather Arkinson			
2a. Physical Address (911 Address): 74 Lake House Lane			
2b. Town - County: St. Albans - Franklin		2c. Zip: 05488	
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) : 552-174-10042			
4. Phone: 571-255-0817		5. Email: hlarkinson@yahoo.com	
6. Name of lake/pond: Champlain Lake (Northeast Arm) - Swanton		7. Total shore frontage: 105.00 (feet)	
8. Was the parcel of land created before July 1, 2014? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
9. Are there wetlands associated with this parcel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Contact the Wetlands Program: (802) 828-1535 or watershedmanagement.vt.gov/wetlands.htm .			
10. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 25,950 (square feet) 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: 1,170 (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: 25,820 (square feet) See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing			
B. Applicant Contact Information			
1. Name: Matthew Rogers and Heather Arkinson			
2a. Mailing Address: 580 Maquam Shore Road			
2b. Municipality: Swanton		2c. State: VT	2d. Zip: 05488
3. Phone: 571-255-0817		4. Email: hlarkinson@yahoo.com	
C. Application Preparer Information (If the individual preparing the application is not the landowner.)			
1. Name: Patrick Cross of Cross Consulting Engineers			
2a. Mailing Address: 103 Fairfax Road			
2b. Municipality: St. Albans		2c. State: VT	2d. Zip: 05478
3. Phone: 802-524-2113		4. Email: patcross@crossconsultingengineers.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.

The project entails construction of a new house, transformer pad, parking area, and adjacent garage on the lot and replacement of the existing camp with a patio on the same footprint as detailed in the attached documents.

2. For developed parcels, how far is the existing habitable structure from Mean Water Level 49 (feet), and How far will new cleared area or impervious surface be from MWL 124 (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?

If no, explain why below (attach support information as needed):

Yes No

- 4a. What is the slope of the project site area: 5.80 %

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):

- 5a. What is the surface area of new impervious surface associated with this project: 5,100.00 (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: 5,520.00 (square feet)

For D5b, add A12 to D5a

- 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 = 21.3 %

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):

The existing 420-square-foot driveway will be removed and replaced by a pervious surface. This will result in a total of 4350 square feet of new impervious plus 750 square feet of existing impervious converted from the camp footprint to a patio after implementation of best management practices, equaling a total of 5100 sq ft / 25,950 sq ft x 100 = 19.7% impervious area.

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: 25,820.00 (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 = _____% 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: [Signature] Date: 28 MAR 2016

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: [Signature] Date: 3/28/16

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

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>5,100.00</u> x .5	\$ 2,550.00
Total:		\$ 2,675.00

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

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

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

Existing Impervious

Description	ft ²	Dimensions
Camp	750	= 25 ft x 30 ft - Convert to patio
Driveway	420	= 12 ft x 35 ft - Convert to pervious
Total	1170	

$$25,950 = \text{PSA}$$

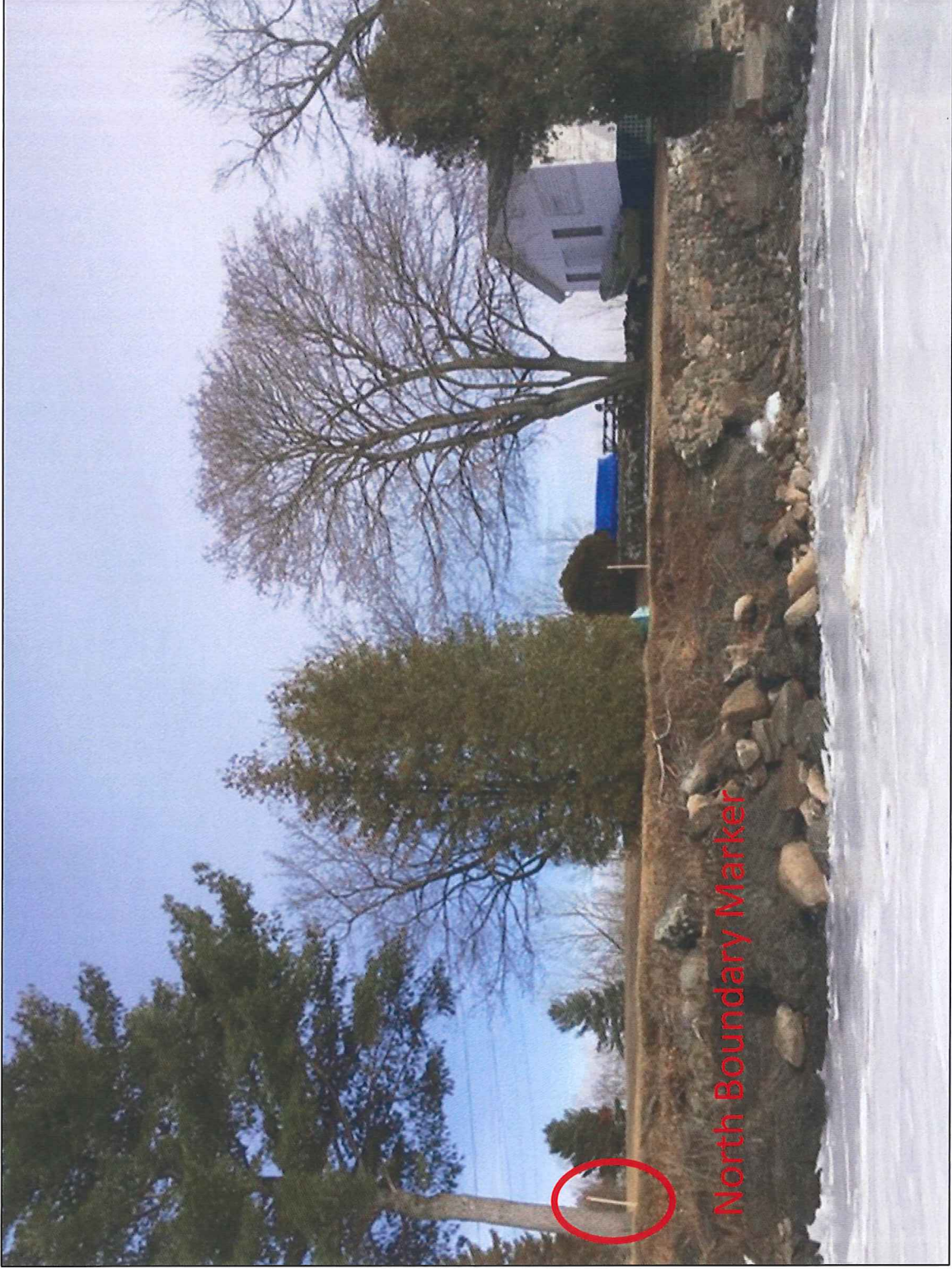
$$\boxed{4.5\%} = \text{Total} / \text{PSA} \times 100$$

New Impervious

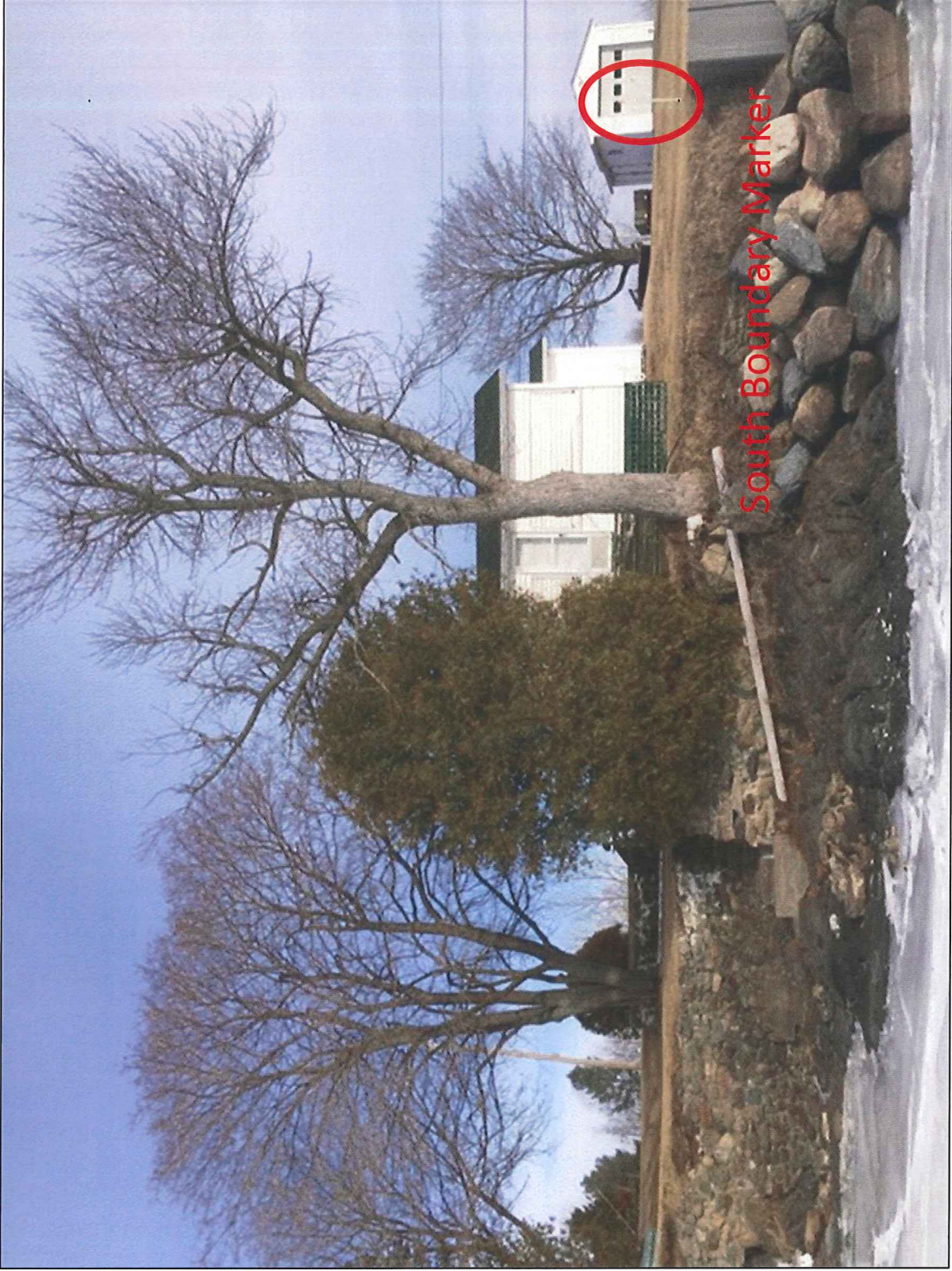
Description	ft ²	Dimensions
Patio	750	= 25 ft x 30 ft - Convert from camp
House	1350	= 50 ft x 27 ft
Porches	350	= 27 ft x 10 ft + 10 ft x 8 ft
Garage	900	= 30 ft x 30 ft
Transformer Pad	25	= 5 ft x 5 ft
Parking Area	1725	= 5 ft x 15 ft + 55 ft x 30 ft
Total	5100	

$$25,950 = \text{PSA}$$

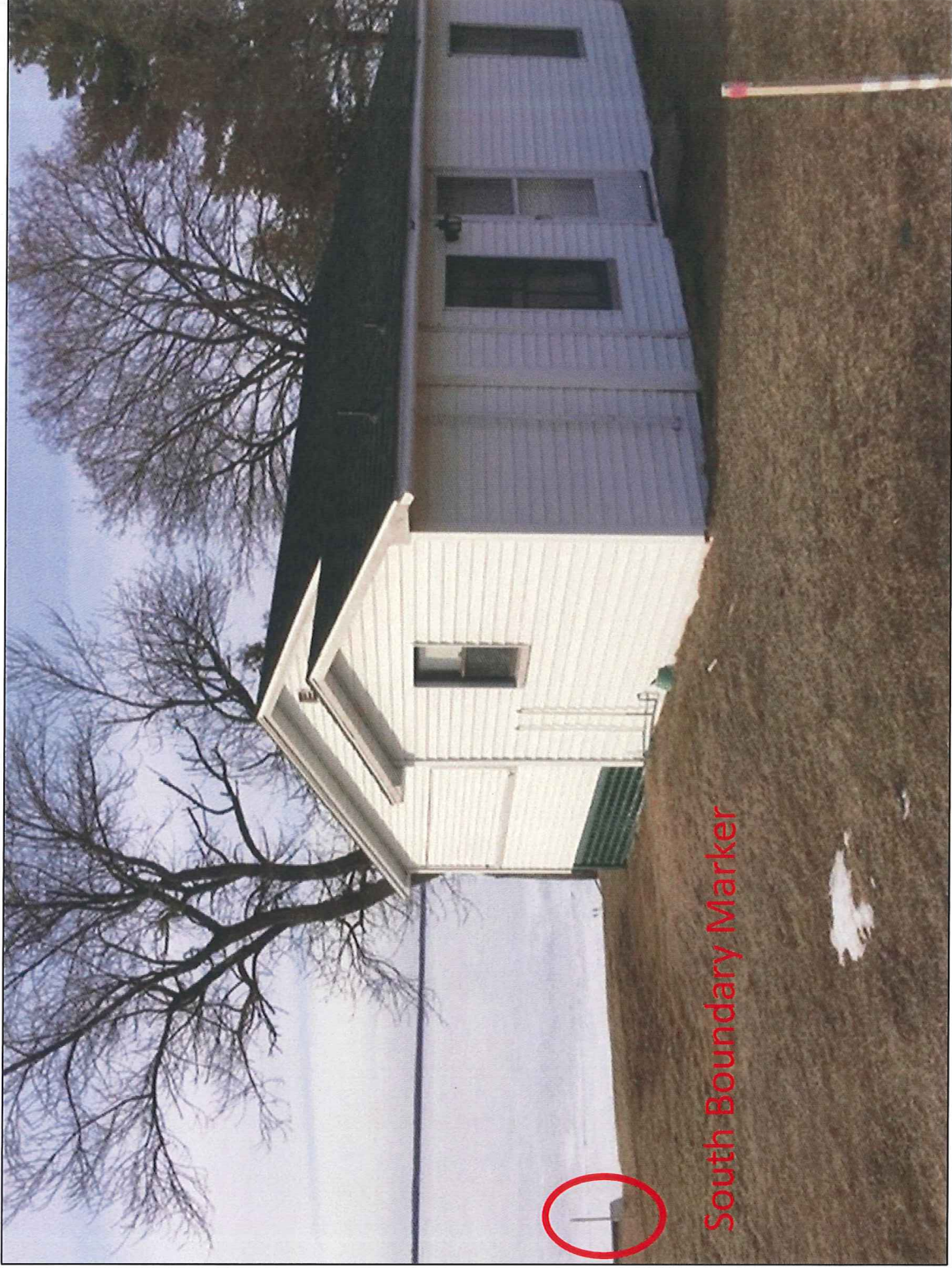
$$\boxed{19.7\%} = \text{Total} / \text{PSA} \times 100$$



Rogers Arkinson Shore Line
View from Northwest to Southeast



Rogers Arkinson Shore Line
View from West to East



Rogers Arkinson Shore Line
View from Southeast to Northwest



Rogers Arkinson Shore Line
View from Northeast to Southwest



Rogers Arkinson Shore Line
View from North to South



Rogers Arkinson Proposed House

View from West to East



Rogers Arkinson Proposed House
View from South to North



Rogers Arkinson Proposed House
View from Southeast to Northwest



Rogers Arkinson Proposed House
View from Northeast to Southwest



Rogers Arkinson Proposed House

View from North to South

CROSS CONSULTING ENGINEERS, P.C.

103 Fairfax Road
St. Albans, Vermont 05478-6271

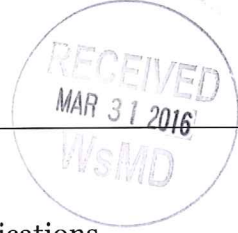
TELEPHONE (802) 524-2113
FAX (802) 524-9681

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

LETTER OF TRANSMITTAL

DATE: March 29, 2016	JOB NO: 15023
ATTENTION:	
RE: Arkinson/Rogers	
Maquam Shore Road, St. Albans, VT	

WE ARE SENDING YOU Attached Under Separate cover via _____ the following items:



- Shop Drawings Prints Plans Samples Specifications
- Copy of letter Change Order _____

COPIES	DATE	NO.	DESCRIPTION
1	3/28/16	1789	Check to State of VT for \$2675.00 from Heather Arkinson & Matthew Rogers
1	3/28/16		Shoreland Permit Application
1			Impervious Areas
1			Photos
1	3/29/16	C-1	Partial Site Plan

THESE ARE TRANSMITTED as checked below:

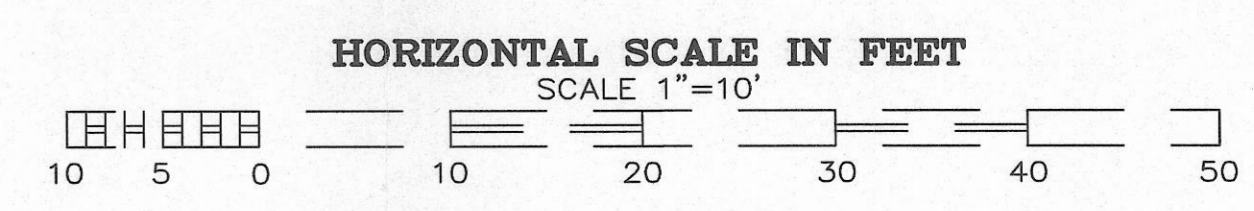
- For Approval Approved as submitted Resubmit _____ copies for approval
- For your use Approved as noted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected prints
- For review and comment _____
- FOR BIDS DUE _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO Client & Town of St. Albans for Posting via e-mail

SIGNED: Jane B. Landry
For: CROSS CONSULTING ENGINEERS

If enclosures are not as noted, kindly notify us at once



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PROJECT: 15023
DATE: 3/29/16
DESIGN: PC
DRAWN: PC
CHECKED: PC
APPROVED: PC

Tel. 802-524-2113
Fax. 802-524-9681

CROSS
CONSULTING ENGINEERS, P.C.

103 Fairfax Rd.
St. Albans, Vermont 05478

CONSULTANT
Cross Consulting Engineers, P.C.

Partial Site Plan

Arkinson/Rogers
Lake House Lane
Proposed House
St. Albans, VT
Lake House Lane

SITE
C-1
SHEET #### OF 1

C:\2015 Drawings\15023 Rogers House\Current\Support Drawings\15023 Phase.dwg Plotted: 3/29/2016 9:21:17 AM