



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



For Shoreland Permitting Use Only
 Application Number: **2149-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

Landowner's Name: Robert L. Laud & Christine E. Dietzel

2a. Physical Address (911 Address): 124 East Shore Road North

2b. Town - County: Grand Isle - Grand Isle 2c. Zip: 05458

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) : 255-081-11477

4. Phone: 973-945-4411 5. Email: robertlaud@optonline.net

6. Name of Lake/Pond: Champlain Lake (Northeast Arm) - Swantc 7. Total Shore Frontage **638** (Feet)

8. Was the parcel of land created before July 1, 2014? Yes No

9. Are there wetlands associated with this parcel? Yes No
Contact the Wetlands Program (802) 828-1535 or <http://dec.vermont.gov/watershed/wetlands>

10. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel?
 Yes No

11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 112,762 (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: 7,436 (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 are on your parcel within the PSA: 61,309 (square feet)
See the [Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing](#)

B. Applicant Contact Information

1. Name: Robert L. Laud & Christine E. Dietzel

2a. Mailing Address: 4 Jacob Arnold Road

2b. Town: Morristown 2c. State: NJ 2d. Zip:

3. Phone: 973-945-4411 4. Email: robertlaud@optonline.net

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

1. Name: John M. Buermann, Jr., P.E.; Buermann Engineering, LLC

2a. Mailing Address: 7 Sanderson Road

2b. Town: Milton 2c. State: Vermont 2d. Zip: 05468

3. Phone: (802) 893-1308 4. Email: jay@belvt.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.

Construct a detached three-bay garage to support an existing residence.

The new garage is 713 square feet, 43 square feet are on existing impervious surface, creating 670 square feet of impervious surface. Additionally, 751 square feet of new gravel driveway will be installed for a total of 1,421 square feet of new impervious surface.

650 square feet of existing driveway will be removed, mulched and seeded.

2. For developed parcels, how far is the existing habitable structure from Mean Water Level ⁷⁵ _____ (feet), and how far will new cleared area or impervious surface be from MWL ⁹⁰ _____ (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):

The proposed cleared area and garage cannot practically be set back at least 100 feet from the MWL. An existing electrical transformer and related buried utilities are sited on the westerly side of the existing drive, and would be prohibitively expensive to relocate. The proposed garage is therefore carefully placed to meet required zoning sideyard setbacks (25 feet required, 28 feet provided), to maximize separation from the MWL (about 97 feet provided), and to minimize clearing of large trees and the understory. The driveway is being relocated northwesterly a few feet to accommodate this garage site, but we also want to retain a few feet of separation to the transformer to allow for snow clearance and safety.

4a. What is the slope of the project site area: ^{10 +/-} _____ %

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: ~~670.00~~ ^{XXXX 1,421} (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: ~~7,999~~ ^{XXXX 8,857} (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 D5b by A11 and multiply by 100 for percentage. Total percentage = ^{7.9} _____ % 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 surface that exceeds 20% (attach support information as needed):

6a. What is the surface area of new cleared area associated with this project: <u>1,455</u> (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: <u>62,764</u> (Square Feet) For D6b, add A13 to D6a
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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 D6b by A11 and multiply by 100 for percentage. Total percentage = 55.7 % N/A

6d. If no above (6c), establishing vegetative cover (revegetation) is the only applicable best management practice. Please describe a revegetation plan that will be equal to or greater in surface area than the proposed new cleared area as identified in 6a. Identify the location on the parcel where the revegetation will occur and how far from mean water level it will be (attach support information as needed).

Two areas totaling 1,500 s.f. are identified on the project plan as proposed "no-mow zones", located about 140-220 feet from the lakeshore to enhance environmental connectivity between existing woodlands. The Applicants may choose to plant native perennials and/or trees in these areas to expedite naturalization.

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: 21 July 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: 21 July 2016

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 ft.	Enter new impervious area as entered in item (5a) 670.00 X <u>1,421</u> x 0.5	335.00 710.50
Total Fee due:		460.00 835.50

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

Additional payment received
8/18/2016--L.D.

Requested additional payment via email, 8/10/2016--L.D.

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

For additional information visit:
<http://dec.vermont.gov/watershed/lakes-ponds>

ROBERT L. LAUD & CHRISTINE E. DIETZEL
Site Photos, July 6, 2016



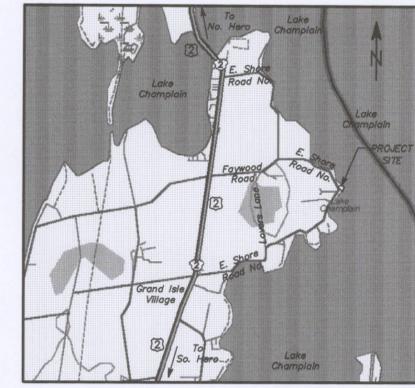
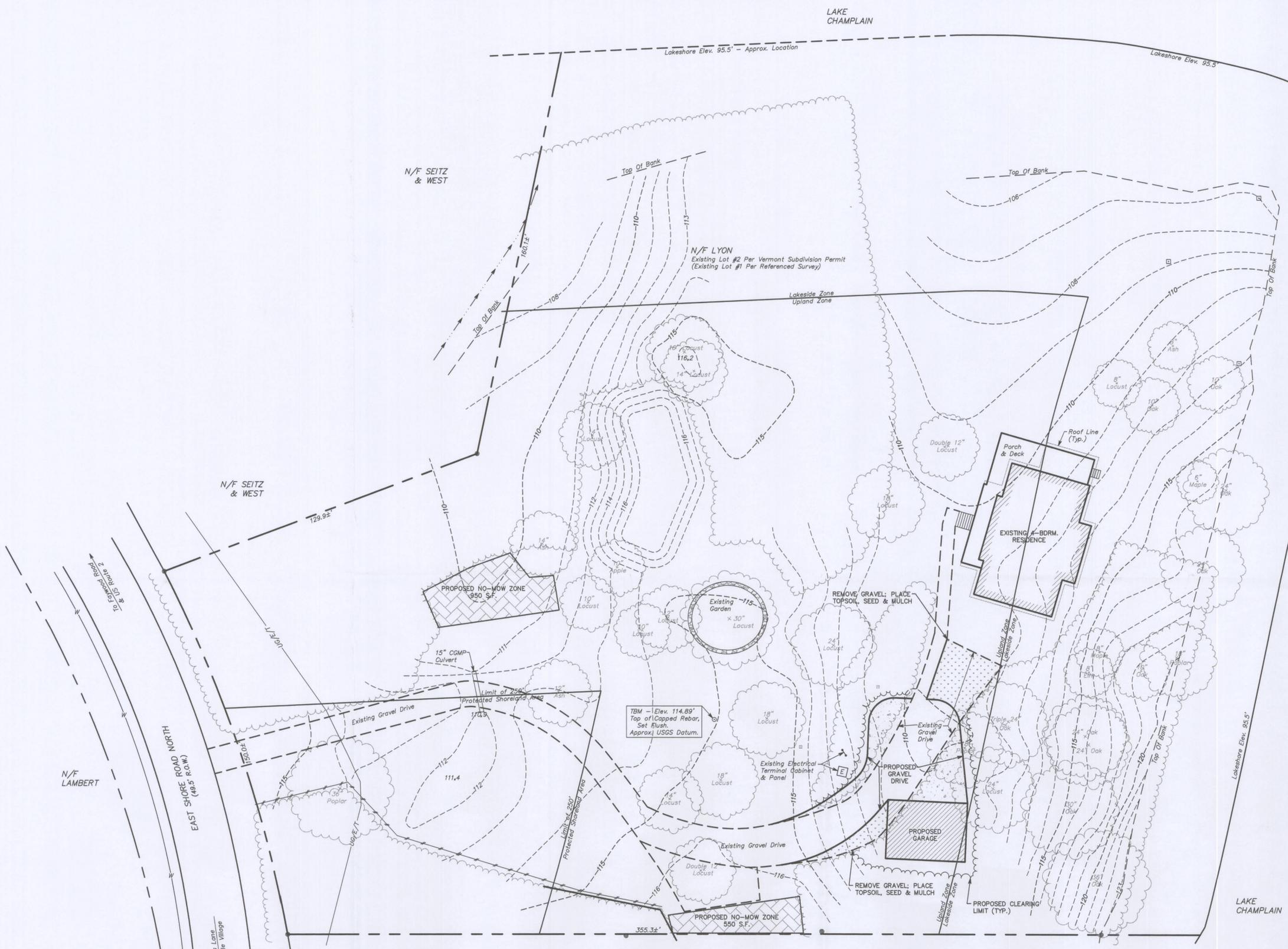
View of Protected Shoreland Area, Looking Southeast From West End of Drive



View of Existing Drive & Proposed Garage Site, Looking Northeast Toward Existing House



View of Protected Shoreland Area, Looking North Along West Side of House From Drive



LOCATION MAP
N.T.S.

Existing structure
(including decks/
porches: 2,769 square
feet) 75 feet from mwl

Existing driveway is
4,508 square feet, 100
feet from mwl

NOTES

1. DRAWINGS PREPARED FOR SUBMITTAL ARE INTENDED FOR PRELIMINARY PLANNING, COORDINATION WITH OTHER DISCIPLINES AND UTILITIES, AND FOR REVIEW BY PERMITTING AUTHORITIES. THEY ARE NOT INTENDED AS FINAL DRAWINGS OR CONSTRUCTION DRAWINGS.
2. AS INSTRUMENTS OF SERVICE THESE DRAWINGS AND COPIES THEREOF ARE PROPERTY OF THE ENGINEER, BUERMANN ENGINEERING, LLC. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.
3. IT IS THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO ENSURE THAT THESE PLANS CONTAIN THE MOST RECENT REVISIONS.
4. THE CONTRACTOR SHALL BE INSURED FOR THE WORK TO BE PERFORMED, AND SHALL BE PREPARED TO PROVIDE THE OWNER WITH A CERTIFICATE OF INSURANCE PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY DIG-SAFE (888)344-7233 AT LEAST FORTY-EIGHT HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE AWARE THAT OTHER BURIED UTILITIES OR STRUCTURES, NOT SHOWN ON THESE PLANS AND/OR NOT LOCATED BY DIG-SAFE, MAY EXIST ON THIS SITE.
6. BUERMANN ENGINEERING, LLC HAS NOT PERFORMED ANY ENVIRONMENTAL SITE ASSESSMENTS ON THE SUBJECT PROPERTY, AND MAKES NO CLAIMS ABOUT THE POSSIBLE PRESENCE OR ABSENCE OF HAZARDOUS MATERIALS ONSITE.
7. THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED GARAGE AND PROPOSED CHANGES TO THE EXISTING DRIVEWAY, FOR VERMONT SHORELAND PERMITTING.
8. BOUNDARY INFORMATION SHOWN IS APPROXIMATE, BASED UPON INFORMATION FROM THE OWNER, FIELD EVIDENCE FOUND, A "BOUNDARY PLAT SHOWING PROPOSED SUBDIVISION OF LANDS OF H. WARREN LYON" (DATED AUGUST 7, 1995 BY LAND LINES SURVEYING AND MAPPING, AS RECORDED AT SLIDE 31 OF THE GRAND ISLE LAND RECORDS), AND GRAND ISLE TAX MAPS. TOPOGRAPHY SHOWN WAS OBTAINED BY BUERMANN ENGINEERING, LLC ON AUGUST 30, 2012 AND SUPPLEMENTED IN JUNE, 2016. THE PROPERTY LINES, EASEMENTS, AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED IN THIS PERMIT APPLICATION ARE FOR THE USE OF THE PERMITTING AUTHORITIES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN 26 V.S.A. SECTION 2502(4), AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHT.

LEGEND
Note: Existing site features are generally labelled on the plans with italicized, lower case text, while upper case, block-style text denotes proposed features.

- PROPERTY LINE
- EDGE OF ROAD
- EDGE OF GRAVEL DRIVE
- FENCE
- UG/E/T/V UTILITY LINE (BURIED)
- 494 CONTOUR (EXISTING)
- 494 CONTOUR (PROPOSED)
- DITCH OR SWALE
- ▲ TP-8 TEST PIT
- P-2 PERCOLATION TEST
- EXISTING IRON PIPE
- EXISTING REBAR
- EXISTING CONC. MONUMENT
- 503.8 SPOT ELEVATION

GRAPHIC SCALE
(IN FEET)



N/F LYON
Existing Lot #1 Per Vermont Subdivision Permit
(Existing Lot #2 Per Referenced Survey)

OWNER OF RECORD
ROBERT L. LAUD & CHRISTINE E. DIETZEL
4 JACOB ARNOLD ROAD, MORRISTOWN, NEW JERSEY 07960
PER WARRANTY DEED RECORDED AT VOLUME 115,
PG. 572-573, OF THE GRAND ISLE LAND RECORDS.
TAX PARCEL ID NO. 040104.2, SPAN 285-081-11477, 2.86 ACRES

SHORELAND PERMITTING PLAN	Date 7/11/2016
ROBERT & CHRISTINE LAUD	Project Number 598
124 EAST SHORE ROAD NORTH GRAND ISLE, VERMONT	Plan Scale 1" = 20'
	Sheet 1 of 1
BUERMANN ENGINEERING, LLC 7 Sanderson Road, Milton, Vermont 05468	
Tel.: (802) 893-1308 www.belvt.com	502R00 JUL 21 2016

2149-SP