



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

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



For Shoreland Permitting Use Only
 Application Number: **2159-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: **Jed R. and Noelle C. Davis**

2a. Physical Address (911 Address): **345 Timber Lane**

2b. Town - County: **Salisbury - Addison**

2c. Zip: **05769**

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) : **561-177-10063**

4. Phone: **802-999-1440**

5. Email: **jd0407@gmail.com**

6. Name of Lake/Pond: **Dunmore Lake - Salisbury**

7. Total Shore Frontage **300** (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): **34,412.4** (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: **3,603** (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: **5,628** (square feet)
 See the [Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing](#)

B. Applicant Contact Information

1. Name: **Jed R. and Noelle C. Davis**

2a. Mailing Address: **20 Lang Drive**

2b. Town: **Essex**

2c. State: **VT**

2d. Zip: **05452**

3. Phone: **802-999-1440**

4. Email: **jd0407@gmail.com**

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

1. Name: **Stephen Revell**

2a. Mailing Address: **Lincoln Applied Geology, Inc 163 Revell Drive**

2b. Town: **Lincoln**

2c. State: **VT**

2d. Zip: **05443**

3. Phone: **802-453-4384**

4. Email: **srevell@lagvt.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 Davis family is proposing to replace the current dwelling with a new dwelling that is set back further from the lake. The site plan is shown on Figure-1 with all existing and proposed impervious area and cleared areas shown. All features are set back from the edge of stable shoreline which is the edge of the mean water level. A series of 12 photos of the property are attached which show the character of the property. The property is a historical property that was developed in the 1930's.

2. For developed parcels, how far is the existing habitable structure from Mean Water Level 17 to 35 (feet), and how far will new cleared area or impervious surface be from MWL 22 to 44 (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):

Locating the new cleared and impervious areas anywhere else would cause much more disturbance to the over all property given that the over all property is completely in the PSA. The property is completely stable and the new area will NOT make it unstable at all. There has never been any evidence of erosion or instability. The reconstructed dwelling plan will not change what has always been.

4a. What is the slope of the project site area: 13 %

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):

Although yes above, dripline trenches will be installed and an infiltration trench will be installed at the edge (north) of the light stone and grass driveway to minimize any possible run off effect. The infiltration trench will link into the dripline trenches surrounding the reconstructed dwelling.

5a. What is the surface area of new impervious surface associated with this project: 372.00 (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: 3975 (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 = 11.6 % 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):

Although yes to 5b, grading, re-vegetation with grass and shrubs and placement of drip trenches and the infiltration trench will eliminate any erosion related to storm water flow from any portion of the impervious surface. Filter fence will be placed along the edge of the lake, the north east property line between the lake and the neighbors driveway, and along the edge of the woods west of the dwelling down to the lake.

6a. What is the surface area of new cleared area associated with this project: <u>200</u> (Square Feet) <small>See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing.</small>	6b. What is the total resulting cleared area after completion of the project and prior to implementation of best management practices: <u>5828</u> (Square Feet) <small>For D6b, add A13 to D6a</small>
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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 = 16.9 % 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 great in surface area than the proposed new cleared area as identified in 6a. Identify the location of the parcel where the revegetation will occur and how far from mean water level it will be (attach support information as needed).

Although yes above, all disturbed areas will be stabilized, grass seeded and mulched. All potential run off will be handled as sheet flow and dispersed/broadcast on a vegetated surface.

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:** 8/2/16 / 8-2-16

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: [Signature] **Date:** 8/4/16

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 ft.	Enter new impervious area as entered in item (5a) <u>372.00</u> x 0.5	186.00
Total Fee due:		311.00

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: <http://dec.vermont.gov/watershed/lakes-ponds>

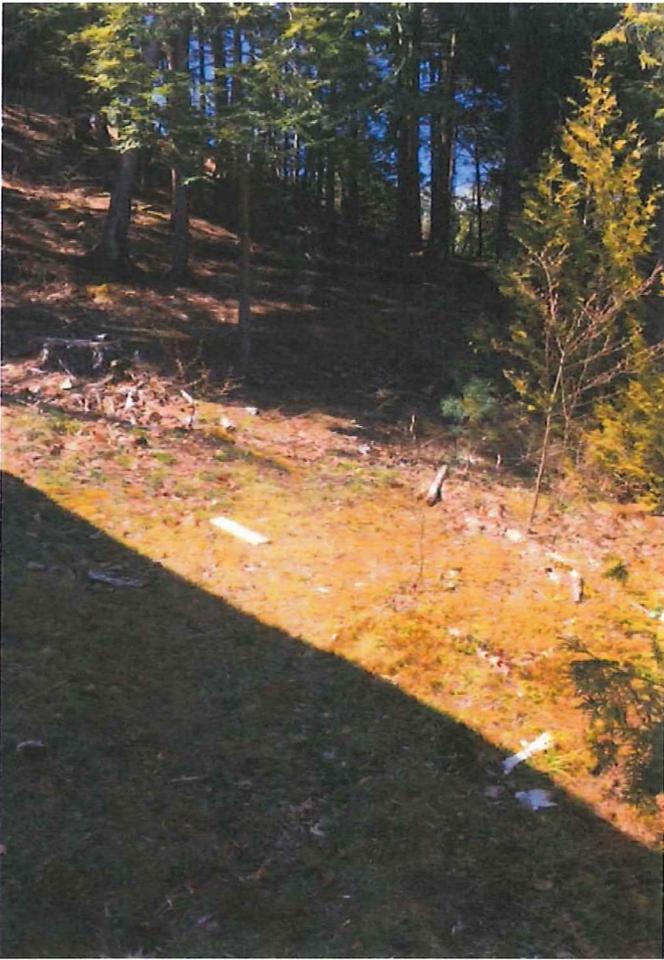


PHOTO 1: WELL AREA NORTH OF DWELLING

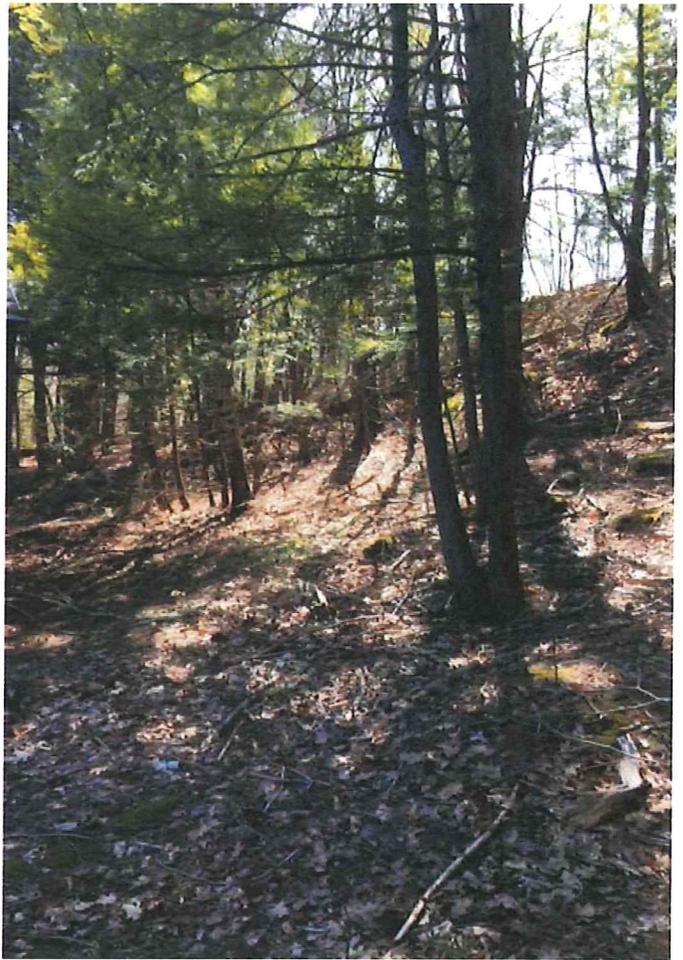


PHOTO 2: WOODED AREA WEST OF DWELLING



PHOTO 3: EDGE OF STABLE SHORLINE WITH SEASONAL BOAT LIFT

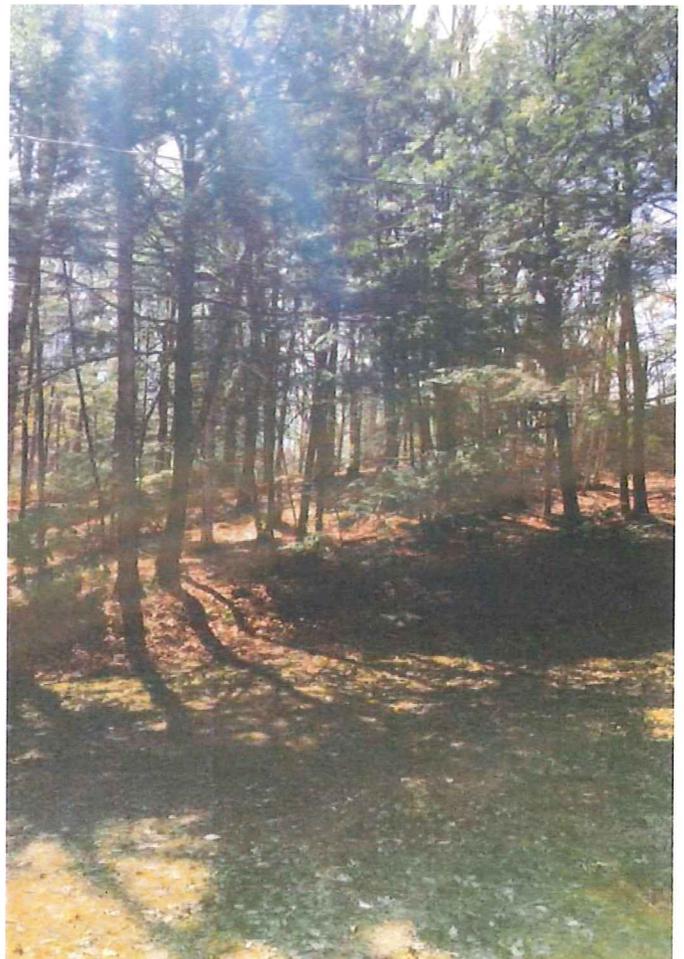


PHOTO 4: PARKING AREA AND WOODS TO SOUTH

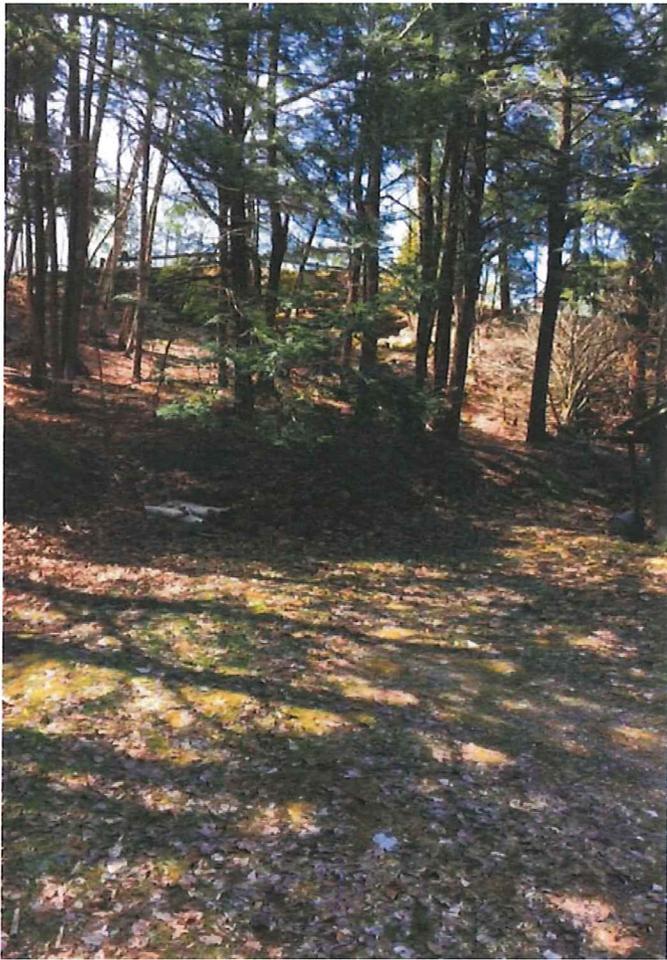


PHOTO 5: PARKING AREA AND WOODS TO WEST

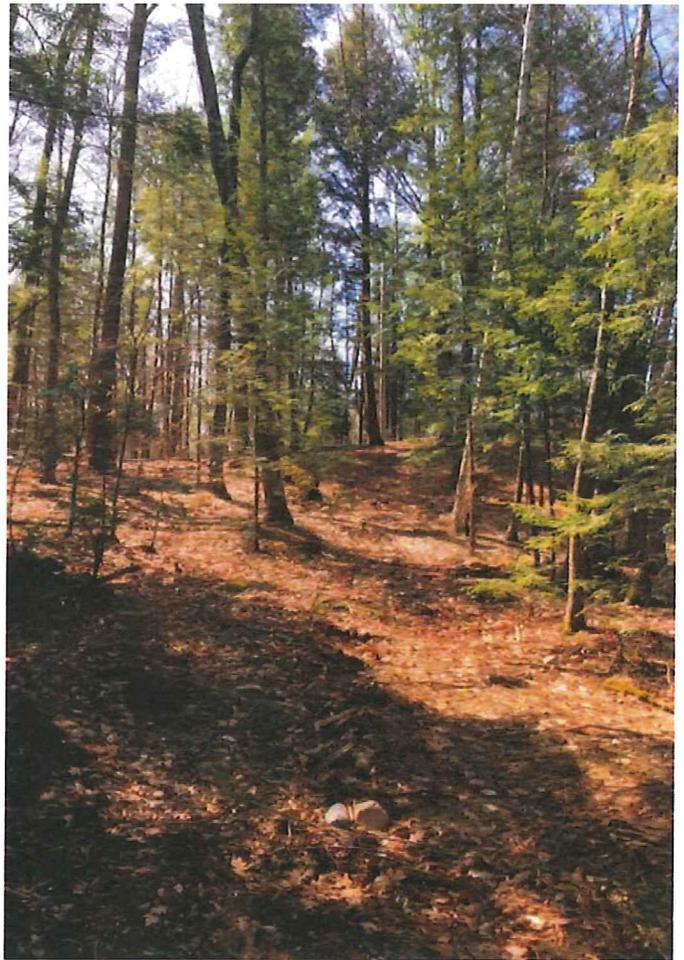


PHOTO 6: MIXED HARD & SOFT WOODS TO WEST

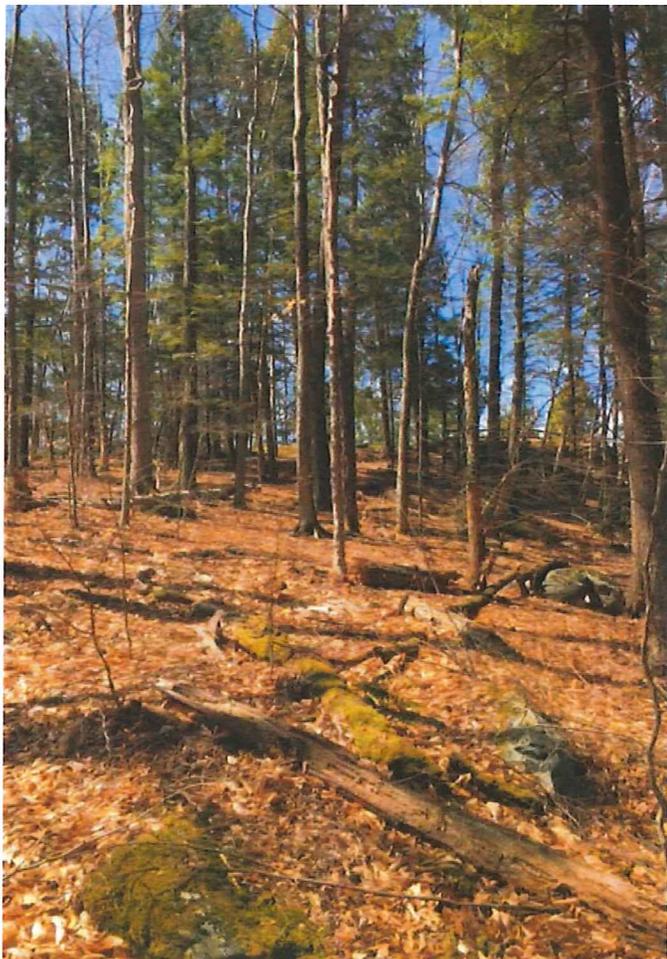


PHOTO 7: MIXED HARD & SOFT WOODS ON SOUTHWEST

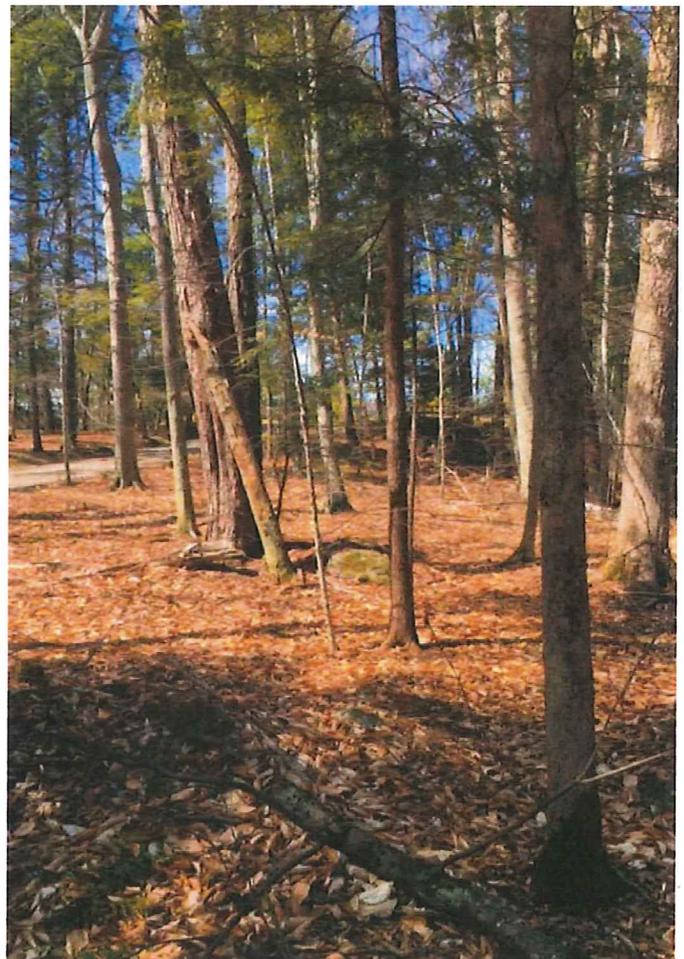


PHOTO 8: WOODS TO WEST - SOUTHWEST



PHOTO 9: WOODS TO SOUTH WITH DWELLING IN BACKGROUND

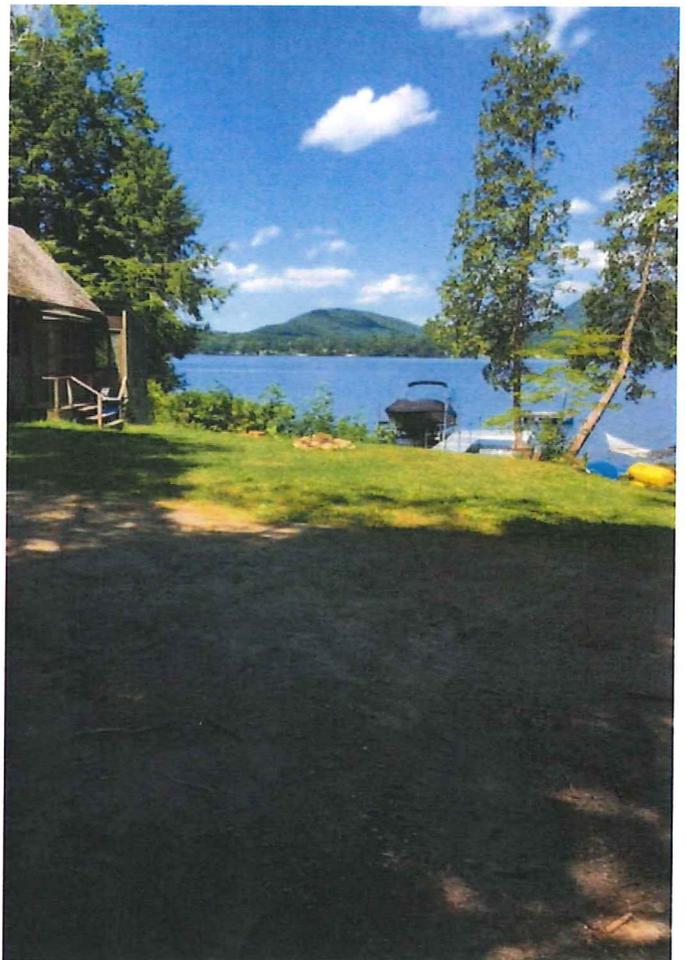


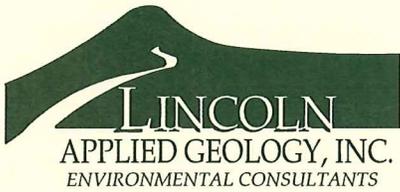
PHOTO 10: END OF DRIVEWAY & HISTORICAL GRASSED AREA



PHOTO 11: FOUR ASH TREES TO BE REMOVED



PHOTO 12: YELLOW BIRCH & SPRUCE TO BE REMOVED



Laura Dlugolecki, Environmental Analyst
Vermont Department of Environmental Conservation
Watershed Management Division – Shoreland Permitting
1 National Life Drive, Maine 1
Montpelier, VT 05602-3522

Re: Davis Property, 345 Timber Lane, Salisbury, VT – Shoreland Permit Application

Dear Laura,

Jed Davis and I met with you and Misha Center on April 5th, 2016 at the subject property to review the proposed reconstruction of the dwelling shown on the Figure-1 Site Plan. The reconstructed dwelling would be set back further from Lake Dunmore than the current dwelling. Measuring from the northeast corner of the existing and proposed dwelling, the structure will go from 17-35' from the lake to 22-44' from the lake. 372 sq/ft of new impervious area will be created in the process. As described on Figure-1, the new structure will be surrounded by a 3' wide dripline trench and an infiltration trench will be placed along the northern edge of the current light stone and grass driveway that service this and the neighbors property. The infiltration trench serves as a buffer between the driveway and the existing stable grassed area and the lake.

I've attached a series of twelve photographs to describe the stable shoreline, the wooded areas associated with most of the property, the grassed area and the parking area which will be slightly enlarged. Minimal disturbance is planned with re-vegetation as soon as possible.

The Site Plan has been amended to show that filter/sediment fence will be erected before any site disturbances are initiated. The fence will be placed along the shoreline and along the edge of the woods east and west of the proposed structure and grassed area.

The applicant and I view this project as a low impact/ low disturbance project that will create very little impervious area or cleared area. We believe the attached application is complete with the landowner's signatures, my signature and a \$311.00 permit fee payable to the State of Vermont. We look forward to your satisfactory review and issuance of the requested permit.

If you have any questions regarding this application, please do not hesitate to call me at 802-453-4384.

Very Truly Yours,



Stephen Revell CPC
Licensed Designer
Senior Hydrogeologist

Encl.

CC: Jed and Noelle Davis

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