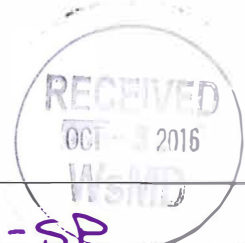




Shoreland Permit Application
 for a Shoreland Protection Permit under
 Chapter 49A of Title 10, § 1441 et seq.



For Shoreland Permitting Use Only
 Application Number: **2212-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: **Michael W. Gammal & Michele J. Gammal**

2a. Physical Address (911 Address): **99 Wally's Point Road**

2b. Town - County: **South Hero - Grand Isle** 2c. Zip: **05486**

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) : **603-189-11064**

4. Phone: **802-578-5880** 5. Email: **mikegammal@gmail.com**

6. Name of Lake/Pond: **Champlain Lake (Main Lake) - South Herc** 7. Total Shore Frontage **105.0** (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): 13064 (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: 2149 (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: 5000 (square feet)
See the [Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing](#)

B. Applicant Contact Information

1. Name: **Mike Gammal**

2a. Mailing Address: **32 Cascade Street**

2b. Town: **Essex Junction** 2c. State: **Vermont** 2d. Zip: **05452**

3. Phone: **802-578-5880** 4. Email: **mikegammal@gmail.com**

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

1. Name:

2a. Mailing Address:

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

3. Phone: 4. Email:

D. Project Description	
<p>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.</p> <p>This application is for the removal of an existing residence, and replacement with a residence of comparable footprint. The existing structure encroaches on the 75' setback from the 95.5' lake contour by 201 SF. We are proposing moving the new structure back to outside of the 75' setback and developing a 200 SF 2nd floor balcony that will encroach on the 75' setback. (see attached Site Plan and Building Diagrams)</p>	
<p>2. For developed parcels, how far is the existing habitable structure from Mean Water Level <u>65'</u> (feet), and how far will new cleared area or impervious surface be from MWL <u>75'</u> (feet)?</p> <p>OR</p> <p>For undeveloped parcels, how far will new cleared area or impervious surface be from MWL _____ (feet)?</p> <p>See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix A – Estimating Mean Water Level</p>	
<p>3. Can all new cleared area or impervious surface be set back at least 100 feet from MWL? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If no, explain why below (attach support information as needed):</p> <p>The property is developed with a garage structure and concrete foundation that will not allow for setback any farther from MWL than as designed. However the new construction will be moved farther back from the MWL than the current structure is, and the overall footprint is reduced so as to minimize the impact to the overall site.</p>	
<p>4a. What is the slope of the project site area: <u>2%</u> %</p> <p>See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope</p>	<p>4b. Is the slope of the project area less than 20%?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, skip 4c.</p>
<p>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):</p>	
<p>5a. What is the surface area of new impervious surface associated with this project: <u>333.00</u> (Square Feet)</p> <p>See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface.</p>	<p>5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: <u>2482</u> (Square Feet)</p> <p>For D5b, add A12 to D5a</p>
<p>5c. Is the total in 5b. 20% or less of the parcel area within the PSA? <input checked="" type="checkbox"/> Yes (if yes, skip 5d.) <input type="checkbox"/> No</p> <p>If 5a is 0, check the n/a box, otherwise divide D5b by A11 and multiply by 100 for percentage. Total percentage = _____% <input type="checkbox"/> N/A</p>	
<p>5d. If no above (5c), describe the best management practices used to manage, treat, and control erosion from stormwater form the portion of impervious surface that exceeds 20% (attach support information as needed):</p>	

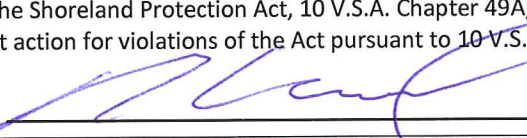
6a. What is the surface area of new cleared area associated with this project: <u>0</u> (Square Feet) <small>See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing.</small>	6b. What is the total resulting cleared area after completion of the project and prior to implementation of best management practices: <u>5000</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 = _____% 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).

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:** 09/28/2016

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: _____ **Date:** _____

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>333.00</u> x 0.5	166.50
Total Fee due:		291.50

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

Direct all correspondence or questions to Shoreland Permitting at: ANR.WSMDShoreland@vermont.gov For additional information visit: <http://dec.vermont.gov/watershed/lakes-ponds>



- SITE BOUNDARY

- TREE CANOPIES

- BUILDING PERIMETER

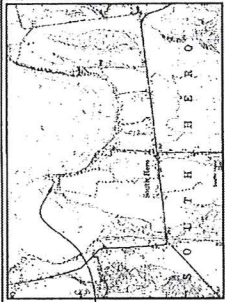


Google

Wallys Point Rd

3D





VICINITY MAP

1. Increased wetland. The existing wetland area is increased along with new water intake connection and an on-site wastewater disposal system. The goal of this project is to construct a new accessory structure.
2. Erosion. This system will serve a 0.4 bedroom single family residence with a design flow of 400 GPD. (1.5 gpm) based upon 140 GPD per bedroom for the first 3 bedrooms and 75 GPD for each bedroom thereafter.
3. Outside Landscaping. The existing design flow is 400 GPD flowing to the existing specified size of 2" x 36" over a concrete or report of system base. Now the station at 1 bedroom (70 GPD), pretreatment system will be 400 GPD. Existing system uses 252 FT² x 36" (7.72' x 36") absorption area. The proposed necessary minimum area is 400 GPD. (1.5 gpm) based upon 140 GPD per bedroom for the first 3 bedrooms and 75 GPD for each bedroom thereafter. (2.52' x 36" (7.72' x 36") absorption area).
4. Soil. 400 GPD with the need of pretreatment using 252 FT² at disposal bottom area.

Construction Notes

1. **Excavation and Earth Retention:** No direction from the approved design drawings may be made without written permission of the Engineer.

2. **Construction Responsibility for Approvals and Limits:** The Contractor shall contact the system, according to the approved design drawings, for all necessary permits and approvals. The Contractor shall be responsible for obtaining all necessary permits and approvals. The Contractor shall be responsible for obtaining all necessary permits and approvals. The Contractor shall be responsible for obtaining all necessary permits and approvals.

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Construction Notes (continued)

5. **Excavation and Earth Retention:** No direction from the approved design drawings may be made without written permission of the Engineer.

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Construction Notes (continued)

7. **Excavation and Earth Retention:** No direction from the approved design drawings may be made without written permission of the Engineer.

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PROPOSED SITE IMPROVEMENTS

WALLEY'S POINT ROAD, SOUTH HERO

MIKE & MICHELE GAMMAL
32 CASCADE STREET
ESSEX JUNCTION, VT 05462

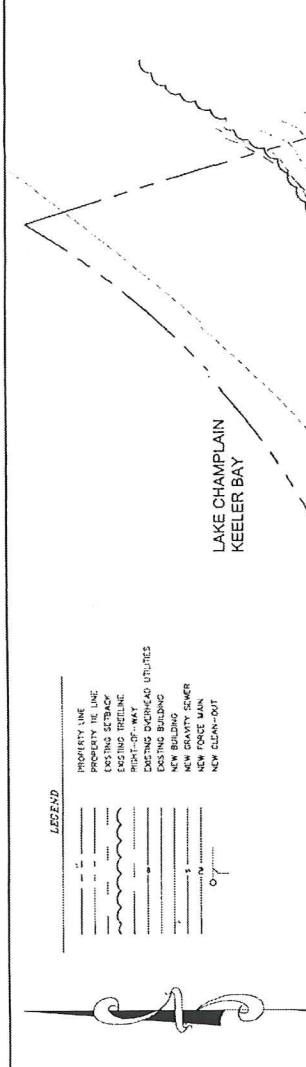
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DRAWING TITLE: PROPOSED SITE IMPROVEMENTS

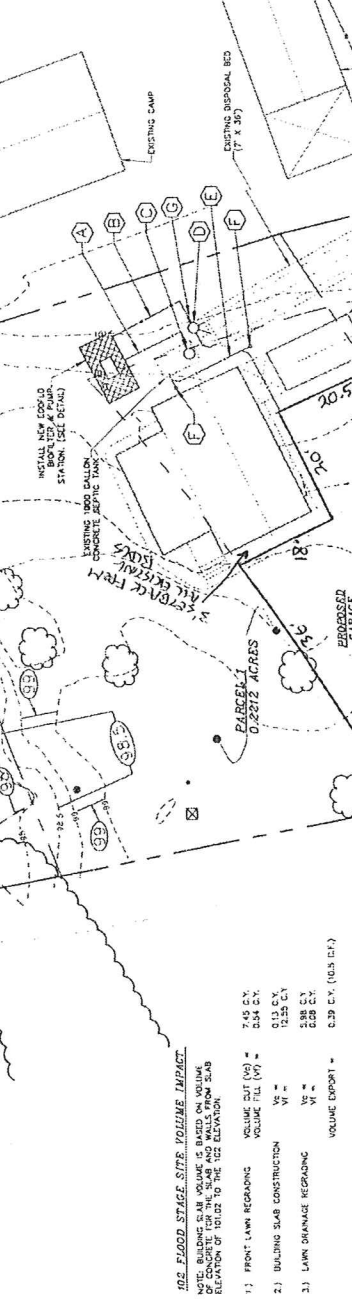
Donald L. Hamlin, Inc.
Consulting Engineers, Inc.
107 North Main Street
South Hero, VT 05488
Tel: 802-245-2222

DATE: 11/21/98
SCALE: AS SHOWN
SHEET: S-1

1. INSTALL NEW 4" SDR 25 PVC PIPE, SLOPE = 0.001 FT/FT
2. MAIN TRUNK 4" SDR 25 PVC PIPE FROM MAIN TRUNK TO NEW 5" SDR 40 PVC PIPE, SEE DETAIL IN PLAN FOR INSTALLATION
3. INSTALL NEW RISER ON EXISTING SEPTIC TANK, SEE DETAIL IN PLAN FOR INSTALLATION
4. INSTALL NEW 5" SDR 40 PVC PIPE FROM MAIN TRUNK TO NEW 5" SDR 40 PVC PIPE, SEE DETAIL ON SHEET C-1
5. INSTALL NEW 4" SDR 25 PVC PIPE FROM MAIN TRUNK TO NEW 4" SDR 25 PVC PIPE, SEE DETAIL ON SHEET D-1
6. INSTALL NEW CLEAN-OUT
7. INSTALL NEW 2" VALVE



1. INSTALL NEW 4" SDR 25 PVC PIPE, SLOPE = 0.001 FT/FT
2. MAIN TRUNK 4" SDR 25 PVC PIPE FROM MAIN TRUNK TO NEW 5" SDR 40 PVC PIPE, SEE DETAIL IN PLAN FOR INSTALLATION
3. INSTALL NEW RISER ON EXISTING SEPTIC TANK, SEE DETAIL IN PLAN FOR INSTALLATION
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6. INSTALL NEW CLEAN-OUT
7. INSTALL NEW 2" VALVE



102 FLOOD STAGE SITE VOLUME IMPACT

NOTE: BUILDING IS AN UNFINISHED BUILT FROM 1988 TO 1998. VOLUME EXPORT IS BASED ON THE 102 ELEVATION.

DESCRIPTION	VOLUME EXPORT (cu ft)	CONSTRUCTION	VELOCITY (ft/s)	VELOCITY (ft/s)
1. FRONT LAWN REGRADING	5.0	VE	0.54	0.54
2. BUILDING SLAB CONSTRUCTION	1.25	VE	0.54	0.54
3. LAWN DRAINAGE REGRADING	0.39	VE	0.54	0.54

VOLUME EXPORT = 0.39 C.Y. (10.3 D.F.)

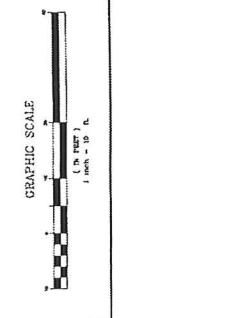
NOTE:

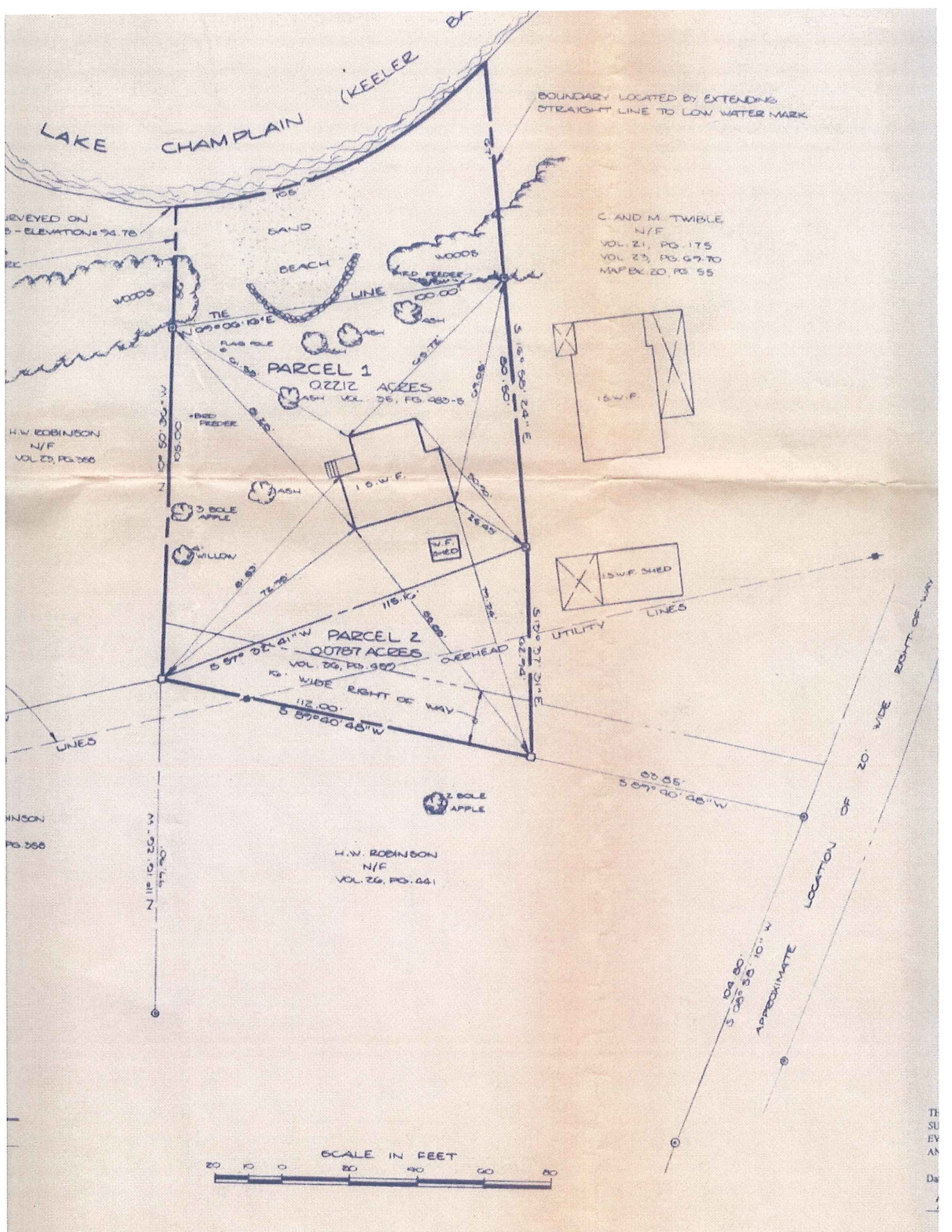
1. ALL DIMENSIONS, BUILDING AND UTILITY INFORMATION WAS DERIVED FROM THE RECORD DRAWINGS FOR THE 102 ELEVATION. THE RECORD DRAWINGS WERE PREPARED BY DONALD L. HAMLIN CONSULTING ENGINEERS, INC. DATED 11/21/98.

2. THE LOCATION OF THE 102 ELEVATION IS AS FOUND FROM FIELD SURVEY DATA.

3. FIELD SURVEY OF THE LOT WAS PERFORMED ON 07/28/07 BY DONALD L. HAMLIN CONSULTING ENGINEERS, INC.

4. ALL EXISTING SEPTIC SYSTEM INFORMATION WAS TAKEN FROM FIELD SURVEY DATA AND PHOTOGRAPHS ON 07/28/07 BY DONALD L. HAMLIN CONSULTING ENGINEERS, INC. ON 11/20/98.





MEASURED ON 5 - ELEVATION = 74.78

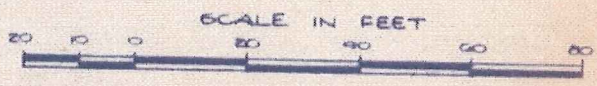
C. AND M. TWIBLE
N/F
VOL. 21, PG. 175
VOL. 23, PG. 69-70
MAP BK. 20, PG. 55

H.W. ROBINSON
N/F
VOL. 23, PG. 368

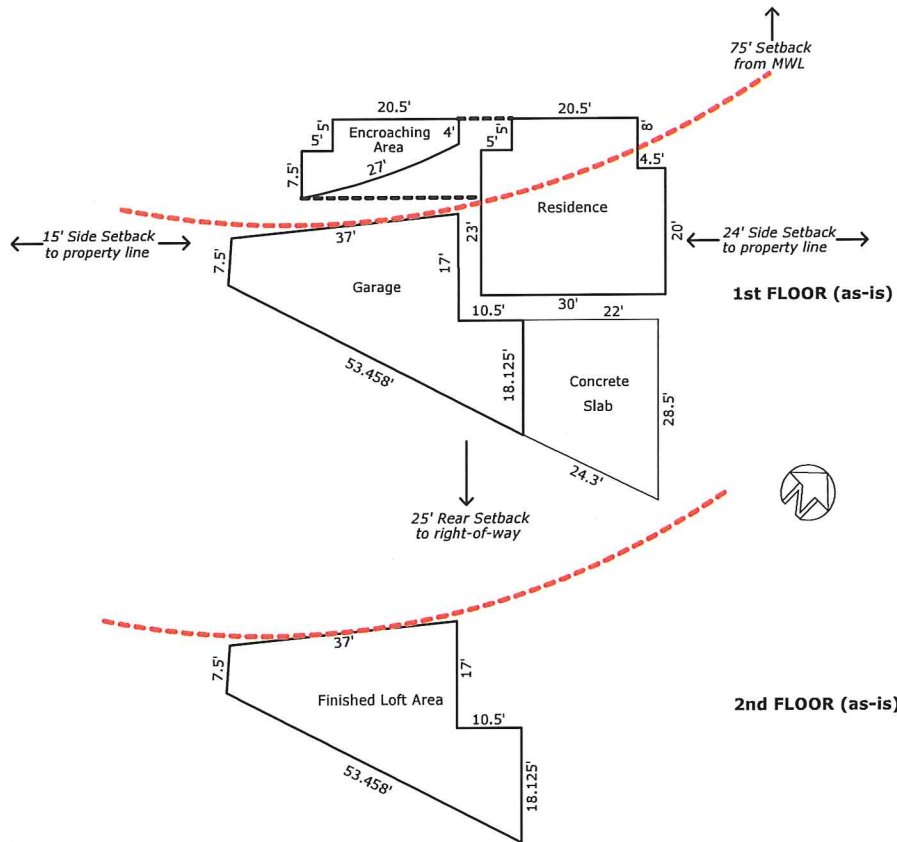
PARCEL 1
0.2212 ACRES
VOL. 26, PG. 480-5

PARCEL 2
0.0787 ACRES
VOL. 26, PG. 982

H.W. ROBINSON
N/F
VOL. 26, PG. 441



THE
SURVEY
AND
DATE

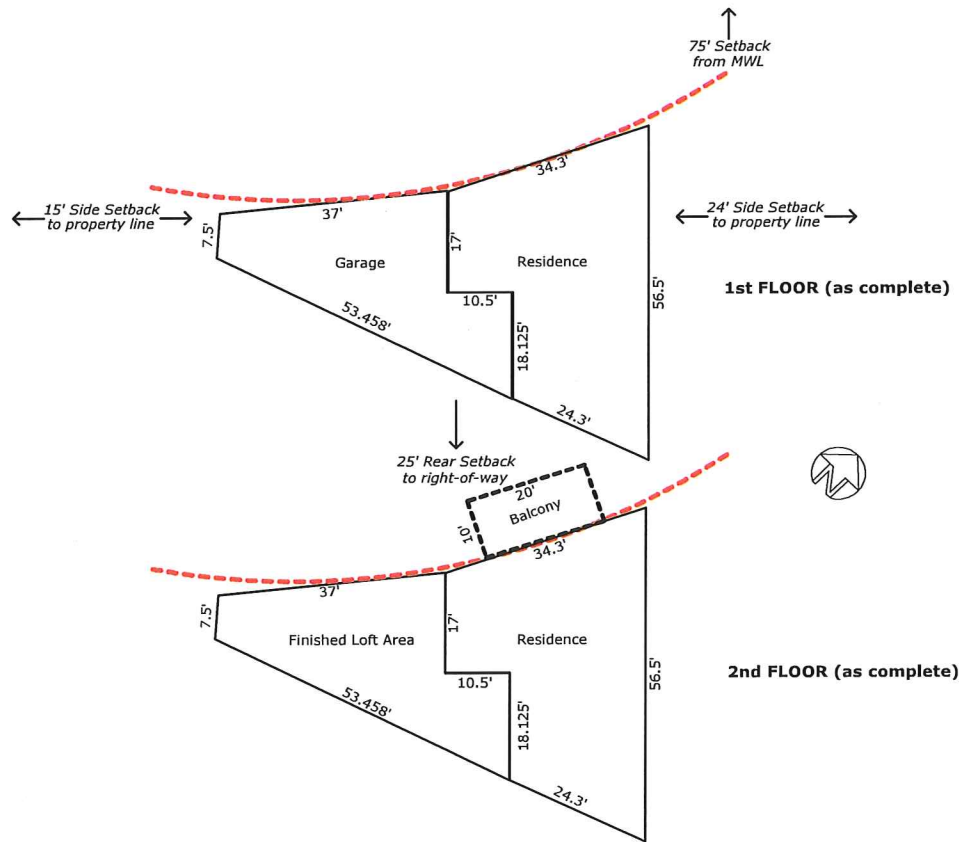


Sketch by Apex Sketch v6 Standard™

Scale: 1" = 26'

AREA CALCULATIONS SUMMARY			
Code	Description	Net Size	Net Totals
GLA1	1st Fl - Residence	779.00	779.00
GBA1	1st Fl - Residence	779.00	
	1st Fl - Garage	856.92	
	2nd Fl - Garage	856.92	2492.84
OTH	1st Fl - Slab	513.15	
	1st Fl - Encroaching	201.17	714.32
	Net LIVABLE Area	(rounded)	779
	Net BUILDING Area	(rounded)	2493

LIVING/BUILDING AREA BREAKDOWN		
Breakdown		Subtotals
1st Fl - Residence		
30.0	x	20.0
3.0	x	25.5
5.0	x	20.5
20.0	x	30.0
5.0	x	20.5
3.0	x	25.5
1st Fl - Garage		
0.5	x	36.8
0.5	x	18.1
		5.8
		7.5
0.5	x	3.7
0.5	x	5.8
0.5	x	5.8
0.5	x	7.5
0.5	x	0.5
0.5	x	7.5
0.5	x	0.5
2nd Fl - Garage		
0.5	x	36.8
0.5	x	18.1
7		
24 Items	(rounded)	3272



Sketch by Apex Sketch v5 Standard™

Scale: 1" = 26'

AREA CALCULATIONS SUMMARY				LIVING/BUILDING AREA BREAKDOWN			
Code	Description	Net Size	Net Totals	Breakdown		Subtotals	
GLA1	1st Fl - Residence	1241.29	2482.57	1st Fl - Residence			
	2nd Fl - Residence	1241.29		0.5 x 11.0 x 32.5	178.75		
GBA1	1st Fl - Garage	856.92	4196.41	0.5 x 17.0 x 32.5	552.50		
	2nd Fl - Garage	856.92		0.5 x 18.0 x 22.0	395.86		
	1st Fl - Residence	1241.29	4196.41	0.5 x 22.0 x 10.4	114.18		
	2nd Fl - Residence	1241.29		2nd Fl - Residence			
P/P	Balcony	200.63	200.63	0.5 x 11.0 x 32.5	178.75		
				0.5 x 17.0 x 32.5	552.50		
				0.5 x 18.0 x 22.0	395.86		
				0.5 x 22.0 x 10.4	114.18		
				1st Fl - Garage			
				0.5 x 36.8 x 3.7	68.73		
				0.5 x 18.1 x 36.3	328.52		
				0.5 x 5.8 x 25.7	148.88		
				0.5 x 7.5 x 36.8	275.47		
				0.5 x 3.7 x 0.0	0.00		
				0.5 x 5.8 x 0.0	0.00		
				0.5 x 5.8 x 11.6	33.43		
				0.5 x 7.5 x 0.0	0.01		
				0.5 x 0.5 x 7.5	1.87		
				1	3339.49		
				34 Items	(rounded)	6679	
	Net LIVABLE Area	(rounded)	2483				
	Net BUILDING Area	(rounded)	4196				

