INSPECTION DATE: 12/11/2023 REPORT DATE: 2/26/2024 MEETING DATE: 3/14/2024

APPLICANT INFORMATION

APPLICANT NAME: Michael Jones

APPLICANT ADDRESS: 4976 NW ISLAND LAKE RD, DULUTH, MN 55803

OWNER NAME: Allete Inc. (IF DIFFERENT THAN ABOVE)

SITE ADDRESS: 4978 NW ISLAND LAKE RD, DULUTH, MN 55803

LEGAL DESCRIPTION: SW OF SE LEASE #15-03 MP 660-10-5540, S35, T53N, R15W (Unorganized)

PARCEL IDENTIFICATION NUMBER (PIN): 660-6000-55910 (MN Power Lease)

VARIANCE REQUEST: The applicant is requesting relief from St. Louis County Zoning Ordinance 62, Article III, Section 3.4 to allow a replacement principal dwelling at a reduced shoreline setback.

PROPOSAL DETAILS: The applicant is proposing a replacement principal dwelling at a reduced shoreline setback of 65 feet where 100 feet is required.

PARCEL AND SITE INFORMATION

ROAD ACCESS NAME/NUMBER: Island Lake Rd NW ROAD FUNCTIONAL CLASS: Local

LAKE NAME: Island Lake Reservoir LAKE CLASSIFICATION: RD

RIVER NAME: N/A RIVER CLASSIFICATION: N/A

DESCRIPTION OF DEVELOPMENT ON PARCEL: The property currently contains a principal dwelling, multiple accessory structures, and a private septic system.

ZONE DISTRICT: SMU 7

PARCEL ACREAGE: 1.39 ACRES LOT WIDTH: 177 FEET

FEET OF ROAD FRONTAGE: 177 FEET FEET OF SHORELINE FRONTAGE: 177 FEET

PARCEL AND SITE INFORMATION

VEGETATIVE COVER/SCREENING: There is good screening from most sides of the property.

TOPOGRAPHY: There is a gradual slope from the dwelling to the shore with an elevation change of 6 feet.

FLOODPLAIN ISSUES: The lowest floor will be above the Regulatory Flood Protection Elevation.

VARIANCE

1

WETLAND ISSUES: There are wetlands on the north side of the property that will not be impacted by the proposed project.

ADDITIONAL COMMENTS ON PARCEL: The parcel is divided by NW Island Lake Rd.

FACTS AND FINDINGS

A. Official Controls:

- 1. St. Louis County Zoning Ordinance 62, Article III, Section 3.4, requires a setback of 100 feet from Recreation Development Lakes.
 - a. The applicant is proposing a 65 foot setback from Island Lake Reservoir.
- 2. Goal LU-3 of the St. Louis County Comprehensive Land Use Plan is to improve the integrity of the county's planning-related regulation by minimizing and improving management of nonconformities.
- 3. Objective LU-3.1 of the St. Louis County Comprehensive Land Use Plan is to base variance decisions on uniform approval criterion to ensure all applications are treated equitably, that community health and safety is protected, and that the overall character of a given area is preserved.
- 4. Objective LU-3.3 of the St. Louis County Comprehensive Land Use Plan is to acknowledge why nonconformities are a concern and that variances should be for exceptional circumstances as noted in Minnesota Statute 394.22. Subd.10.

B. Practical Difficulty:

- 1. The property is a MN Power Lease lot that was recently platted in September of 2023 (Breezy Bay).
 - a. There are no notes from the review of the original plat expressing concerns for conforming buildable area.
- 2. There are alternatives that do not require a variance:
 - a. Reduction of size and change in configuration of the structure may result in a proposal being at a conforming location that would be allowed through a Land Use Permit.
 - b. Current design is a self created difficulty.
- 3. The proposal has changed since the January 11, 2024 public hearing.
 - a. The request for a structure width facing the water of 82 feet where 71 feet is required has been removed.
 - b. The proposed shoreline setback request has been increased from 58 feet to 65 feet where 100 feet is required.

C. Essential Character of the Locality:

- 1. The applicant is not proposing a new use to the area. The Breezy Bay Plat is developed with many seasonal and year-round residential uses.
- 2. The area consists of developed lakeshore lots with both conforming and nonconforming structures.

D. Other Factor(s):

- 1. St. Louis County Onsite Wastewater Division did not pass the record review of the proposal.
 - a. If the variance request is approved, the applicant will need to work with St. Louis County Onsite Wastewater Division to meet their requirements before the issuance of a land use permit.

2. Ordinance 62 states that it shall be the burden of the applicant to demonstrate sufficient practical difficulty to sustain the need for a variance. Absent a showing of practical difficulty as provided in Minnesota Statutes and this ordinance, the Board of Adjustment shall not approve any variance.

BOARD OF ADJUSTMENT CRITERIA FOR APPROVAL OF A VARIANCE

- 1. Is the variance request in harmony with the general purpose and intent of official controls?
- 2. Has a practical difficulty been demonstrated in complying with the official controls?
- 3. Will the variance alter the essential character of the locality?
- 4. What, if any, other factors should be taken into consideration on this case?

CONDITIONS

Conditions that may mitigate the variance to allow a replacement principal dwelling at a reduced shoreline line setback as proposed include, but are not limited to:

- 1. The structure shall be unobtrusive (earth-tone) colors, including siding, trim and roof.
- 2. The stormwater runoff from the proposed structure shall not directly discharge into the lake or on adjacent lots.
- 3. St. Louis County Onsite Wastewater SSTS standards shall be followed.

SAINT LOUI	Is)	Land Use Permit		Permit #		
	y p	APPLICATION St. Louis County, Minnes	ota	Permit#		
About: The process. For	nis appli or more	cation is used to apply for a Land Use Permit. Applicants will need to information, see our website at: www.stlouiscountymn.gov/land-us	o attach the app	propriate workshe	eet(s) in order to	
	NAME OF TAXABLE	DENTIFICATION NUMBER (PIN) PIN is found on your Proper				
*Primary	6	CO - COOO - C CO Associated				ES VS
PIN Associated PIN		_ Associated PIN	-			
E.g. 123-1234 County Land	4-12345. F Explorer:	Primary PIN: Parcel where Structure/SSTS are located. Associated PIN: Additional and/ https://gis.stlouiscountymn.gov/landexplorer/ Property Lookup: http://apps.stlouiscou	or adjacent property untymn.gov/auditor/p	that you own or that parcelInfo2005Iframe	is related to the project	t.
APPLICA						
*Applicant	Name	e / Tones I am a Contractor M Homeowner Cher	*Daytime # 30	48 8200 *State	Date 0/-28-20:	24
497	76 N	s Where to send permit. W Island Lake Rd	*City Duluth	*State	*ZIP 55803	
Applicant E	mail ONE	s@ northland subway.com				
Contact Pe	tson If a	Contact Person #				
Mailing Add	dress If	different than above.	City	State	ZIP	
Email Addr	ess Whe	ere to email permit. Providing an email address will expedite the time in which a permit	t is received by an ar	reliesat		
		es establishment in the state of the state o	is received by an ap	pricarit.		
SITE IN	FORM	ATION				
⊠ Yes [□No	*Is there a site address for this property? (If no, the application will	be forwarded to 9:	11/Communication	s to assign one.)	
If yes abov	e, pleas	se list site address: 4978 NW Island Lake	Rd. Du	Juth MN	55803	
⊠ Yes [□No	*Is this leased property? If yes, leased from: MN Power MN DNR	The state of the state of	De malifa		
X Yes	□No	*Do you have written authorization from the leased property owner	er? If yes, you m	nust attach writte	n authorization fo	rm.
*How is the	e prope	rty accessed? ☐ Public Road Private Road ☐ Easement ☐ Water ☐ Ot	ther			
PROJECT	TINFO	DRMATION STATE OF THE STATE OF			THE STATE	
X Yes	□No	*Is this project on a parcel less than 2.5 acres?				1
Yes [□No	*Is this project within 300 feet of a stream/river or 1,000 feet of a	lake?			i a
Yes [] No	*Is this project adding a bedroom? Include home, garage, & accessory	y dwelling.	- 14 AP 11		
# 3		*Total # of bedrooms on property after project completion. Include		accessory dwelling		la Ta
	□No	*Does this project include plumbing or pressurized water in propose Will use existing well. There will be	sed structure? If	yes, please expl	ain:	
☐ Yes 🔀	No	*Is the property connected to a municipal or sanitary district syste	m?			
If you answe	ered "Yes	s" to any of the project information questions above, it is required that you	submit a copy of a	septic permit to c	onstruct or certificate	e of
compliance a	approvai	or municipal/sanitary district approval when applying for a land use permit.				
By submitting this certify and agree building plans and any approval of submitting this ap	s application that I will of d other infor f the application, I	n, I certify and agree that I am the owner or the authorized agent of the owner of the above property, a comply with all conditions imposed in connection with the approval of the application. Applicants may be rmation before the application is accepted or approved. <i>Intentional or unintentional falsification of cation and any resulting permit invalid.</i> I authorize St. Louis County staff to inspect the property to release St. Louis County and its employees from any and all liability and claims for damages to person one, the issuance of any resulting permit or the subsequent location, construction, alteration, repair, exte	of this application or a preview the application are	tional property description any attachments thereind for compliance inspect	ns, property surveys, site plate will make the applications. Furthermore, by	ins, ion,
	The part	*Indicates required field. Incomplete applications			atter of the application.	



Land Use Permit

WORKSHEET St. Louis County, Minnesota

About: Land Use Permits are required for most building construction activities. They are also required for a variety of other uses. For more information, check out our website at: www.stlouiscountymn.gov/land-use

WHAT ARE YOU AF	PLYING FOR	heck all that annly	to the project PI	EASE MAKE CUE	CKS TO: ST. LOUIS COUN			
#1 New Buildings Less 1,200 square feet-\$175	than/equal to	#2 Other Cons	struction/Change	in Use-\$90	CKS TO: ST. LOUIS COUN	TY AUDITOR		
Greater than 1,200 squ	are feet-\$345	Addition(s) to	o Dwelling	Additional Workshe	#4 Performance Standard-\$410 Additional Worksheets Required			
Dwelling-Home, Mobile H Cabin, (Includes attached Replacement of Existin Mobile Home, Hunting Sh. Will the old dwelling be property? X Yes \(\) No	g Dwelling-Home, ack, or Cabin.	shoreline setb not meet the s permit or varia	does the structure rack? Yes No shoreline setback, a ance may be require	☐ Land Alteration ☐ Nonconforming Structu	re Replacement that does not meet			
If yes, an affidavit must be when the old dwelling will	e filled out stating be removed.	☐ New Deck Or ☐ Combination ☐ Moving a Str	nly or Deck Replacer Addition(s) & Deck	nent on the same structur	#5 Site Evaluation Bite Visit/Evaluation-\$1	175		
If this dwelling is a mobile special mobile home affide Daccessory Dwelling-Gue bunkhouse. Must follow add Accessory Structure- Gashed, sauna, screenhouse comeets lake or river setback	a home, there is a avit to be filled out. sst cottage or ministrative standards.	storage) What will the no	eration or Componer ie (i.e. converting an ew use of the struct current and propose Pro n beyond 2 years	☐ No Loss/Exemption/Rep ☐ Wetland Delineation Re	#6 Wetland Reviews Additional Worksheets Required No Loss/Exemption/Replacement Plan-\$175 Wetland Delineation Review-\$410 Wetland Banking Plan Review-\$1,340			
shoreland area. Water-oriented Accesso		#3 Subdivision Additional V	s/Parcel Reviews Worksheets Requi	red	#7 Public Hearings Additional Worksheets Required			
Boathouse, Sauna, Screenh or river located at reduced Must follow administrative: Commercial Structure Other Principal Structure	chorolina cothock	Conventional \$1,375 Lot Line Adjus	or Conservation Plator Conservation Plator	Administrative Appeal-\$1,350 Environmental Assessment-\$1,200 Conditional Use Permit-\$685 Conditional Use Permit Rehearing-\$220 Interim Use Permit-\$685 Interim Use Permit Rehearing-\$220 General Purpose Borrow Pit-\$685 Variance-\$685 Variance-Rehearing-\$220 Multiple Hearing (Variance/conditional use)-\$1,020 Rezoning-\$685				
TYPE OF PROPOSED S	STRUCTURES	Check all that an	ply to the project.			A Topic was the		
X New Structure(s)	*Structure Type (Same as box #1 or 2 above)	*Foundation Type (Basement, Slab, Pier, etc)	*Maximum Length (Exterior Footprint Only)	*Maximum Width (Exterior Footprint Only)	*Maximum Sq. ft (Exterior footprint only)	*Maximum Height (Ground Level to Roof Peak)		
	Home	Slab	82 Feet	7/ Feet	3550 Sq. ft.	24 Feet		
			Feet	Feet		Feet		
			Feet	Feet	Sq. ft.	Feet		
Structure Additions	*Structure Type (Same as box #2 above)	*Foundation Type (Basement, Slab, Pier, etc)	*Maximum Length (Exterior Footprint Only)	*Maximum Width (Exterior Footprint Only)	*Maximum Sq. ft (Exterior footprint only)	*Maximum Height (Ground Level to Roof Peak)		
			Feet	Feet	Sq. ft.	Feet		
			Feet	Feet	Sq. ft.	Feet		
	ALCOHOL:		Feet	Feet Feet Sq. ft.				
ONTACT: Planning ar	*Indic nd Zoning Depart	ates required fiel ment	d. Incomplete app	olications will be re	turned.			
echnical Assistance Ill Free: 1-800-450-9777 nd Use Information ww.stlouiscountymn.gov/land-u	Duluth Government S	Services Center Street, Suite 301	Virginia ervices Center Government Services Center treet, Suite 301 201 South 3 rd Avenue West R					
	(218) 725-500		Virginia, MN 55 (218) 749-710		Receipt Date Payment Amount Paid By			

6. Describe how neighbor	ing properties and the use of the	nose properties will be impag	cted by the proposed use with	the variance		
They are also	year round homes.	Closer Han 100'	to lake This h	rouse willfit		
In. There is a	nother home 3 do	ours down compa	arable or larger	thats closer		
to the lune	- am also not 1	taking down to	ees that would	decimica		
any heighboring Keep the	g privacyor mine trees and my	Privacy. I di	d move house had	design to		
7. Describe how negative	impact to the local environmen	t and landscape will be avoi	ded.	from origi		
Lam not dist	turbing any area	within foot prin	+ (60') of the Ga	ike. No fell		
will be needed,	, no basement. Re	Use at septic 11	nvolves Minimal.	disturbance		
and less cost.	We have to add 7'	to the field. We	also need to prov	e tank further		
from lake. New	tank will be used.	No older growth	trees will have	to be cotdown.		
I want to kee	pas wang trees a	na cover as pos	ssible.			
8. Describe the expected by	penefits of a variance to use of	this property.	, , ,			
Transce will be	back further from	lake than exist	ting Cabin. Impri	oves value of my		
beloned to have	ing - borne can'th	that needs repar	rs. Also makes m	4 front world		
larger. Inergy	savings, Allows	me to fit house	on lot that with	h' set backs		
and septic rec	savings, Allows evirements may not evito sell also!	t be worth my	investment I have	e in it already		
				1		
42 set back from	nents that will clarify your requ A center of road to 5	test for the Planning and Zon	ing starr members and the B	oard of Adjustment.		
ist mide field on	septice	W cold	15 wireary in which as	That requirement		
20' House to Fiel	septic . House	13 82 deep tha	it leaves 65 to w	sater, with 220'		
Dans existing see	the cause Manay 7	do most width	Cashinas ant 71'	Unit to work		
This all Est	tic saves money. I	- CO TREET WICKIN	reautrements 21,	acck 24		
OFFICE USE ONLY	sa the lot and is	within requiremen	th except 100 seth	nack, 29.		
Principal Structures	Principal Structure	A	Accessory Structures			
- Trincipal Structures	Additions	Accessory Structures	Additions	Other		
Shoreline Setback Property Line Setback Lot Width Height Limit 40% of Lot Width 55% of Lot Width Bluff 2nd Principal Structure % Lot Coverage Road Centerline Setback Road Right-of-Way Setback Lot width and/or Area	Shoreline Setback Road Centerline Setback Road Right-of-Way Setback Property Line Setback One Addition Allowed Allowable Size Exceeded 40% of Lot Width 55% of Lot Width Height Limit Foundation from Lake Lot width and/or Area	☐ Shoreline Setback ☐ Road Centerline Setback ☐ Road Right-of-Way Setback ☐ Property Line Setback ☐ Lot Width and/or Area ☐ Height Limit ☐ Allowable Size Exceeded ☐ Bluff	Shoreline Setback Road Centerline Setback Road Right-of-Way Setback Property Line Setback Allowable Size Exceeded Height Limit Lot width and/or Area	☐ Subdivision Plat ☐ Exceeding Lot Coverage ☐ Exceeding Maximum Buildable Area ☐ Other Standard Not Listed (Explain below)		
CONTACT: Planning and Technical Assistance	Zoning Department Duluth	The state of the s	等种类学			
Toll Free: 1-800-450-9777 Land Use Information	Government Services	Virginia Government Services Center		Office Use Only		
www.stlouiscountymn.gov/land-	Center -use 320 West 2 nd Street,	201 South 3 rd Avenue West Virginia, MN 55792				
	Suite 301 Duluth, MN 55802	(218) 749-7103		unt .		
Duluth, MN 55802 Payment Amount						
	(218) 725-5000					



About A variance allows the use of property in a manner otherwise forbidden by a zoning ordinance by varying one or more of the performance standards such as lot size, setbacks, etc.

Variances from official zoning controls are defined under Minnesota Statutes 394.27 and require the landowner to prove that the property could not otherwise be used or enjoyed in the proposed way by complying with ordinance requirements and that there will be no negative impact on surrounding properties.

It is advisable that you discuss your request with Planning and Zoning staff prior to submitting the application. Approval or denial of your request is dependent on the justification you provide in answering the questions on this application. For more information, check out our website at: www.stlouiscountymn.gov/departments-a-z/planning-zoning/land-use/apply-for-a-land-use-permit#la-101571440-variance.

APPLICANT

Applicant Name (Last, First)

Jones, Michael

VARIANCE REQUEST Complete this form along with the Land Use Permit Application

1. Describe what you are varying from and the situation that makes it difficult to comply with county ordinances? Existing 2 bdvm cabin is 55' from shoveline. Lot depth from shoveline to NW Is but lake Rd is 215'-220'. Lot width is 177'. My hard ship is meeting the required set back of 100' due to septic set back from Road of 43' and 20' septic to house. Septic was installed in Oct 2018. I can re-use the Field and move tank back. The field is at 43' set back already. This saves money. Total set back from Rd for SEPTIC is 43'+10' wide field + 20' house set back. 73' back yard set back total. That feaves me with 147' to (ale. 100' off that means 47' left 2. Describe the intended/planned use of the property.

This will be our permanent residence where me and my wife will retire. I wanted one level how with attached garage so in winter we can poll and keep cars in for loading and unloading. We will live here year round and have our family here. I will construct a 3 bedroom home, energy efficient. We have been here on the Lake for 15 years, and love it.

3. Describe the current use of your property

Mostly used in summer. Seasonal 2 bour cabin. We have family and gather here quite a lot. Recreation. Fishing, etc.

4. Describe other alternatives, if any.

Not a ost affective afternatives or afternatives where I lose trees, privacy.

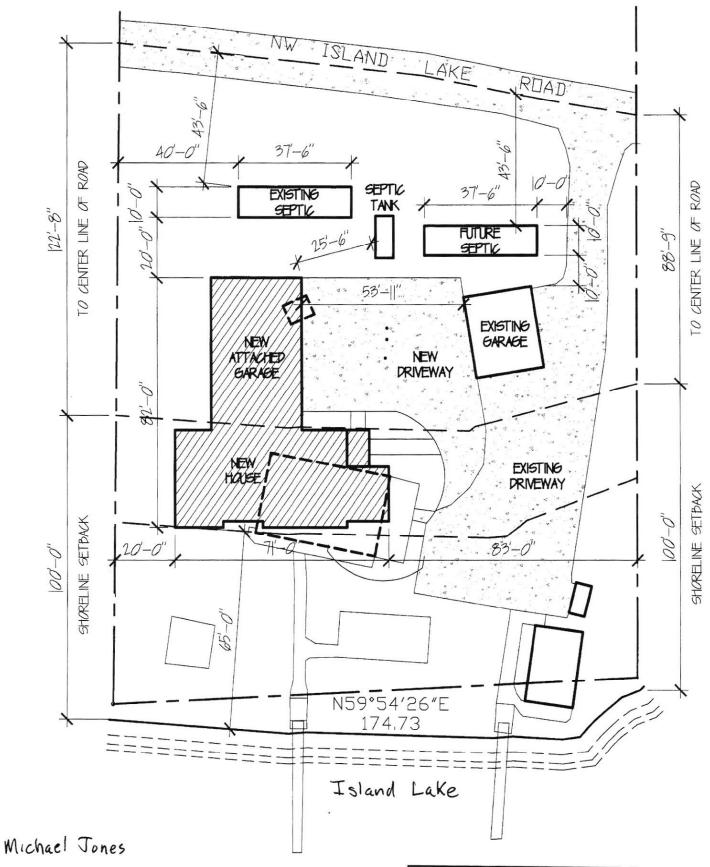
Moving septic across road adds undessary cost. It also eliminates use of that land for building a garage or storage.

Only first 60' of that is even usable with pond and in land behind; t.

5. If approved, how will the proposed use, with the variance, fit into the character of the neighborhood/area?

Will fit in well with neighboring lots. All are year round homes with similar setbacks from the lake due to lot depths. Setbacks considerably less than 100'. Last meeting it was mentioned any setback of neighboring lot himes was

77'.

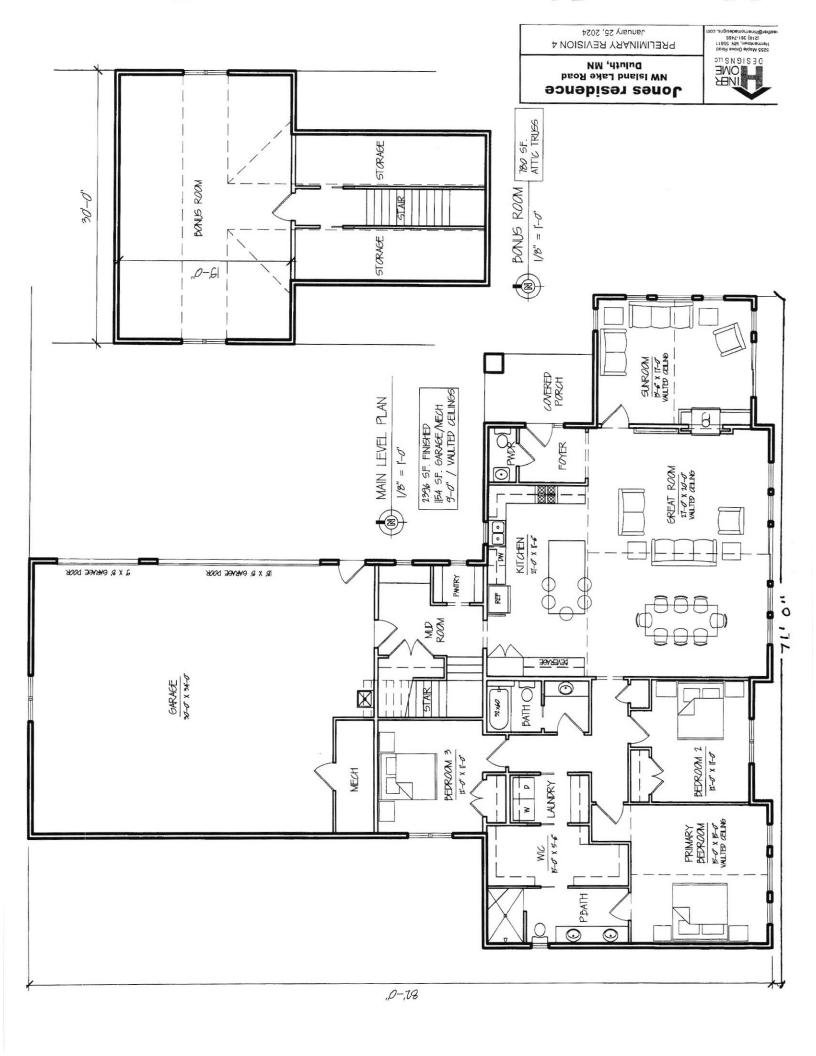


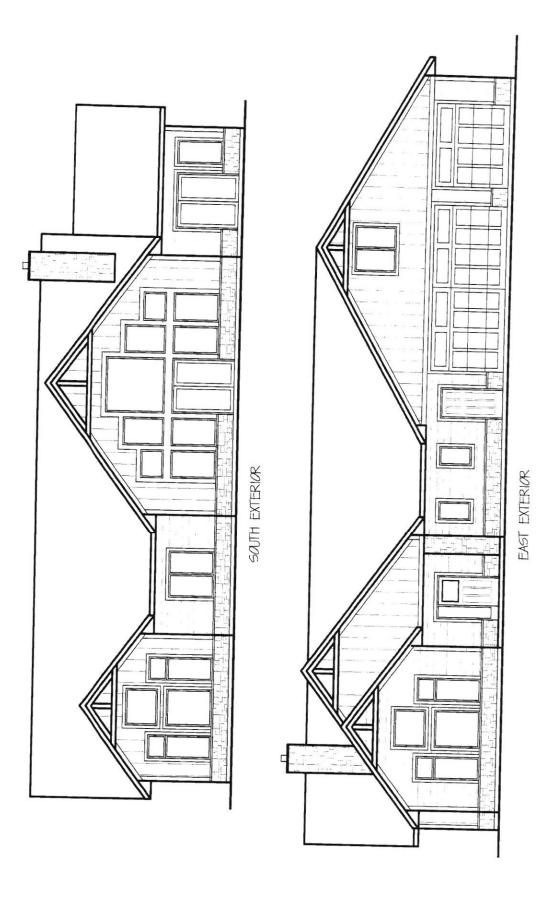
4978 NW Island Lake Rd Duluth MN 55803 PIN 660-6000-55910



Jones residence NW Island Lake Road Duluth, MN

PRELIMINARY REVISION 4 January 25, 2024





Jones residence
NW Island Lake Road
Duluth, MN

PRELIMINARY REVISION 4 January 25, 2024

INER OME DE SIGN SUC S255 Maple Grove Basel Hermantone, NA 55811 (C10) 391-7465 heather@hinerformedesigns. con

Individual Sewage Treatment System Certificate of Compliance

Authorization to Use System

Site:
Address:

MICHAEL JONES

4978 NW ISLAND LAKE RD

Permit Number:

33532

DULUTH MN 55803 Date of

Date of Permit:

08/30/2018

Date of Inspection:

09/12/2018

Parcel Code:

660-6000-

Township:

UNORGANIZED TWP (5315)

Designer:

Lakehead Trucking, Inc.

Installer:

Lakehead Trucking, Inc.

MICHAEL JONES ALLETE INC, 4976 NW ISLAND LAKE RD DULUTH, MN 55803

Legal Description:

SW OF SE LEASE #15-03 MP 660-10-5540

The system was sized for a Single Family Dwelling with 3 Bedrooms.

The permit was granted for:

A Replacement Standard System

ONE 1,000 Gallon Septic Tank(s) ONE 500 Gallon Pump Chamber(s)

System consists of 30 Feet of 10 Foot wide Seepagebed with a total of 12 Inches of Rock

AUTHORIZA	TION TO USE THIS SYSTEM IS:
X	Approved upon completion of the final cover.
	Approved upon completion of the following items as noted in comments.
	Denied
	Allowed because of the following items as noted in comments.
Comments:	

DISCLAIMER: St. Louis County issues Certificates of Compliance as part of its discretionary activities on behalf of the public. St. Louis County disavows and assumes no liability for damages to person or property in any manner or form resulting from the issuance of this Certificate of Compliance. St. Louis County cannot and does not guarantee the successful operation of the system.

This Certificate of Compliance is <u>valid for five years</u> unless the system fails and becomes a public health hazard or nuisance.

Bv:

JASON WALSH 218-725-5251

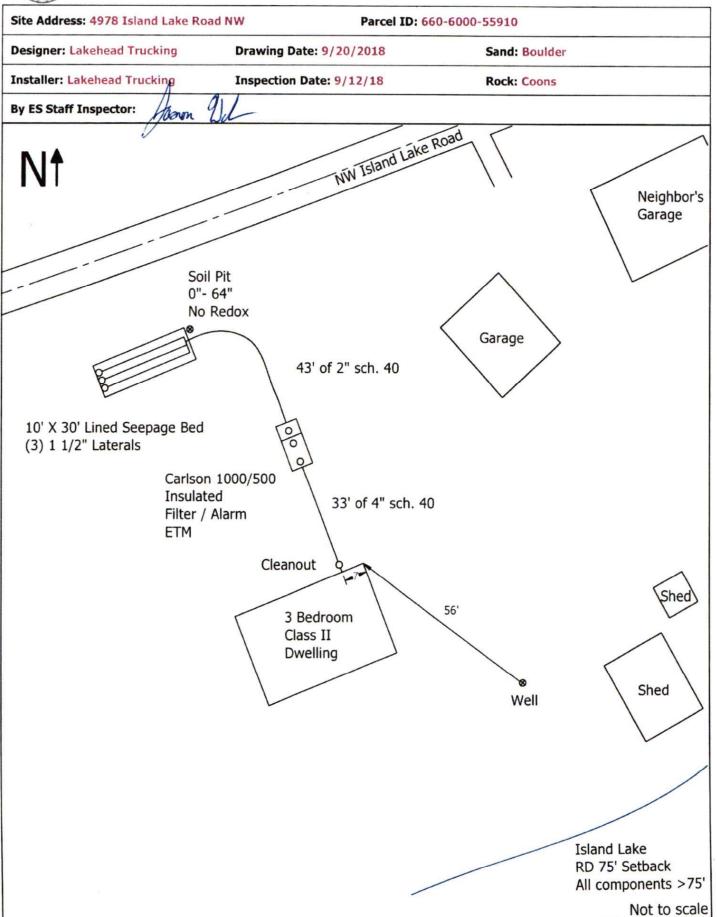
Environmental Specialist

St. Louis County Environmental Services Department Government Services Center

320 W 2nd St., Suite 301 Duluth, MN 55802

Form:11420317P





Individual Sewage Treatment System

Permit to Construct

Site: MICHAEL JONES

Address: 4978 NW ISLAND LAKE RD

DULUTH MN 55803

Permit Number: 33532

Date of Permit: 08/30/2018

Permit expires on: 08/30/2020

Parcel Code: 660 - 6000 - 55910

Township: UNORGANIZED TWP (5315)

Designer: Lakehead Trucking, Inc.

MICHAEL JONES ALLETE INC, 4976 NW ISLAND LAKE RD DULUTH, MN 55803

Legal Description:

SW OF SE LEASE #15-03 MP 660-10-5540

Sewage Treatment System plans for the following system meet the minimum standards of St. Louis County Ordinance No: 61. All sewage treatment system construction must be done in accordance with St. Louis County Ordinance No: 61.

The system was sized for a Single Family Dwelling with 3 Bedrooms.

The permit was granted for:

A Replacement Standard System

ONE 1,000 Gallon Septic Tank(s) ONE 500 Gallon Pump Chamber(s)

System consists of 30 Feet of 10 Foot wide Seepagebed with a total of 12 Inches of Rock

Comments: System designed for a 3 bedroom, class II dwelling, <2401 sq. ft. 300 gpd max flows, 201 gpd average flows.

IF YOU ENCOUNTER ANY UNFORSEEN PROBLEM SUCH AS HIGH WATER TABLE, LEDGE ROCK, CHANGE IN SOIL CONDITIONS, OR CHANGES TO THE SYSTEM OR ITS LOCATION, YOU MUST OBTAIN APPROVAL FROM THE DEPARTMENT BEFORE CONTINUING WITH THE CONSTRUCTION OF THE SYSTEM.

FINAL INSPECTION: A final inspection must be made prior to backfilling and must be scheduled a minimum of 48 hours in advance, excluding weekends and holidays. Office hours are 8 a.m. to 4:30 p.m.

DISCLAIMER: St. Louis County issues sewage treatment system permits as part of its discretionary activities on behalf of the public. St. Louis County disavows and assumes no liability for damages to person or property in any manner or form resulting from the issuance of this permit or subsequent authorization to use the system. St. Louis County cannot and does not guarantee successful operation of the system.

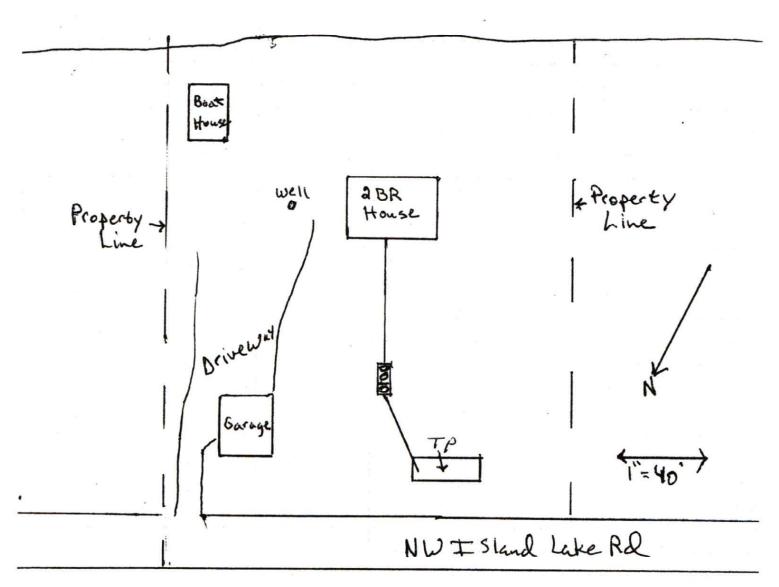
**THIS PERMIT IS NOT TRANSFERABLE:

JASON WALSH 218-725-5251

Environmental Specialist

St. Louis County Environmental Services Department Government Services Center 320 W 2nd St., Suite 301 Duluth, MN 55802

Island Lake



SSTS Design Summary





Design Date: 8/24/18	STS Designer: Tom R	ovinsky				
Site Address: 4978 NW Island Lak	ce Road		Township: Un	organized		
Dwelling: Residential Se	asonal/Recreational Oti	her (identify):				
Commercial System: Describe bu	usiness type:					
If commercial, provide: FOG: Estimated BOD: TSS:						
Design Flow Dwelling Classification (As per 7080.1860):	Class I 🛛 Class II	Class III	Class IV			
Total Finished Floor Area Sq Ft (if Class.	. II, III, IV): 1080	Total Bedrooms	(include all dwellings): 3			
No. of people using the SSTS:	Max Flow (gals/day): 30	O Design Flow: 3	Avg Flow (gals/c	lay): 200		
Contour Loading Rate (gpd/ft):	Soil Loading	g Rate (gpd/ft²): 1				
Predominate Soil Type: sand		Inches to I	Redox. or Restrictive laye	er: > 65		
Water Meter (Y or N): no Bur	ied Sewer Line Pressure	Test Required (Y or N)	: no			
SSTS Flow Description: gravity from	house to a 1500 gallor	n 2 compartment ta	nk pump to a 10x30 s	and lined		
pressure bed						
MPCA SYSTEM TYPE:	☐ Type II	☐ Type III [Type IV	ype V		
TANK DESCRIPTION (ex: Septic Tank, Holding Tank, Pump Tank, Septic/Pump Combo, or other)	Tank Size Gallons (ex: 1000/500)	Tank(s) (New or Existing)	Tank Material (Precast, plastic, Fiberglass, etc)	Alarm (Yes or No)		
septic/pump	1000/500	New ☐ Exist	concrete	yes		
		☐ New ☐ Exist				
		☐ New ☐ Exist				
		☐ New ☐ Exist				
Sand/Rock Bedded (Y or N):	Insulated (Y or N):	I HEH _ EASE				
DISTRIBUTION TO DRAINFIELD	Insulated (1 of 14).					
	istribution Box					
Pressure: Pump model & size: ME						
Gallons/minute: 25.8 with Ft of Head	d: 17.5 Pump to field	I line diameter (inches):	2			
Manifold diameter (inches): 2	Manifold location: Center	Feed	End feed: X			
Number of laterals: 3	Diameter of laterals: 1.5i	n Lateral fl	ush ports (Y or N): yes			
Orifice size (inches): 1/4	Spacing (inches): 48	Orifice SI	nields (Y or N): no			
Dose Volume to network (gal): 83	Drainback (gal): 8.7	Event Co	unter (Y or N): yes			
Elapsed Time Meter (Y or N): no	Time Dose Panel (Y or N):	no Specify t	уре:			

SSTS Design Summary Continued
Site Address: 4978 NW Island Lake Road
DRAINFIELD INFORMATION
In Ground
Seepagebed: Rock Gravelless Chambered Poly. Aggregate
Trench: Rock Gravelless Chambered Poly. Aggregate
Trench Width (ft): Total Trench Length (ft): Number of Trenches:
Bed Dimensions (ft): 10 Width by 30 Length Total Treatment Area (sq ft): 300
Depth of Rock (inches): 12 Depth of Cover (inches): 12-18
At Grade
Rock Cell Size (ft): Width by Length Downhill berm width (ft):
Mound
Number of Rock Beds: Bed Size (ft): W by L Total Dimension (ft): W by L
Uphill Fill Depth (in): Downhill Fill Depth (in):
Uphill Berm Width (ft): Adjusted Sand Volume (cubic yards):
Registered Pretreatment Filter System
Filter Class:
Media Type: Sand Peat Gravel Textile/Synthetic Constructed Wetlands
No. of Filters: Rock Bed Dims (ft): W x L Bed Media Depth (in):
Mfr. & Design:
Aerobic Treatment System
Type: Suspended Growth Fixed Film Sequencing Batch Other:
Gallons/day: Number of Units: Manufacturer:
Disinfection (Y or N): If yes, chemical or UV:
Designer's comments regarding this SSTS design:



SSTS Construction Permit Application Subsurface Sewage Treatment System St. Louis County, MN

	Find your Parcel ID#(s) on your Prop Or at www.stlouiscou		Statement in the upper right corner gov and click on County Land Explor				
Parcel ID #(s):	660 - 6000 - 55910	#:		#: -	-		
Parcel ID #(s):		#:		#: -	-		
☐ Check here to requ	est a 911 address number and sign for t	this site.	See www.stlouiscountymn.gov/land	Iproperty for addres	sing info	rmation	
Applicant Name (pro			Applicant Name (if other tha				
Michael Jones							
Site Address 4978 NW Island Lak	ce Road		City Duluth	MN	Zip 5580	3	
Acreage:	Lot Size:		Township Name: Unorganized		Sec 35	Twn 53	Rge 15
	at Name/Block #/Lot # Minnesot est,Island Lake Reservoir, Minnesot	ta Powe a	r Parcel No. 3 In that portion of	SWE1/4 of SE1/4,	Sec 35	, Town	ship
CONTACT INFORM	ATION:						
Send the Permit by: X	Mail; or by ☐ Email address:			Other:			
Name (if different than	above):		Primary Phone:	Seconda	ary Phor	ne:	
Mailing Address (if diffe	erent than above)		Superior	ST	Zip		
PERMIT APPLICATE	ON IS FOR:						
☐ New SSTS	X Replacing the Existing SSTS. Wh	y: Old	System not working correctely	Point	of Sale	:	
☐ Holding Tank	☐ Component Addition or Replacer	ment	☐ Greywater <u>without</u> Pressu	A STATE OF THE PARTY OF THE PAR	ONICH CO.	h Press	ure
☐ Privy (Outhouse)	☐ Privy & Greywater <u>without</u> Press	sure	☐ SSTS Variance	☐ Commo	ercial SS	STS	
SITE INFORMATIO	N: (Check all that apply)						
Yes X No Has	this parcel been divided recently? Or in	n the pro	cess of being divided? When:				ď
X Yes No Is th	nis project within 1,000 ft of a lake or 30	00 ft of a	river? Lake/River Name: Islan	d Lake			
☐ Yes X No Is th	ne property connected to a CIC (Commo	n Intere	st Community)? If yes, include the	Associated PIN on t	his Appli	cation.	
Yes X No Is th	nis serving multiple dwellings sharing a S	SSTS cor	nponent? If yes, explain:				
X Yes No Is th	nis leased property? If yes, you must ob	otain & a	ttach the Lessor's written authorizat	ion for this project.			
Leased From	: X MN Power	erals Dep	ot. MN DNR US Forest	: Service	her		
COMPLETE PAGE 2	NEXT: (Be sure to sign and date	e, then	submit this form with the pe	rmit fee and des	ign pa	perwor	k).
✓ Office Use Only ✓	Fees are payable to St. Louis Co	ounty A	uditor	Permit # 3	350	3 2	
Amt Paid 500.00 Pa	aid by Owner		Date RIO				
	check #:		RECEIVE	D			
Recd By	Mail DIP		AUG 7 9 20	18			



SSTS Construction Permit Application

Subsurface Sewage Treatment System St. Louis County, MN

Page 2

Licensed Business or Certified Individual Name: Lakehead Trucking Lic. # 1540 Cert. # 1063 (Privies do not require a licensed designer)					3						
Designer's comments to Environmental Services Staff regarding this permit application:											
Water Source ☐ Proposed Well X Existing Well ☐ Hand Carried ☐ Surface/Lake Water ☐ Municipal											
Well Type ☐ Sandpoint X D	rilled	☐ Dug		Well Depth Ft: Unknown			epth Ft:	3	Unique Well #:		
The number of people who will be us	ing this s	system:									
Building Type and Water Uses Check all that apply	# of Bdrms	Seasonal Use Only	PLBG	Bsmt PLBG	Garb Disp	Clothes Wshr	Dish Wshr	Water Condr	Furnace w/Hum	Bathtub > 40 gal	GSP
X Single Family	3		x			x	x				
☐ Multi-Family											
☐ Cabin or RV											
☐ Garage with Bedroom(s) ☐ Sink ☐ Shower ☐ Toilet											
☐ Guest House											
☐ Bunk House											
☐ Other:											
☐ Sauna											
Bdrms = bedrooms PLBG = plumbing		PLBG = base				Disp = garba			/shr – washi		
Condr = water conditioner Furn w/Hum = self-cleaning humidifier in furnace GSP = sewage grinder pump OWD-onsite wastewater division Other information to be considered for this application:											

→ APPLICANT SIGNATURE:

Muli Jour

FEE: 520.00

DATE: 8/28

APPLICANT AGREEMENT: By submitting this application, it certify and agree that I am the owner or the authorized agent of the owner of the above property, and that all uses will conform to the provisions of St. Louis County. I further certify and agree that I will comply with all conditions imposed in connection with the approval of the application. Applicants may be required to submit additional property descriptions, property surveys, site plans, building plans and other information before the application is accepted or approved. Intentional or unintentional falsification of this application or any attachments thereto will make the application, any approval of the application and any resulting permit invalid. I authorize St. Louis County and its employees from any and all liability and claims for damages to person or property in any manner or form that may arise from the approval of the application or any related plans, the issuance of any resulting permit or the subsequent location, construction, alteration, repair, extension, operation or maintenance of the subject matter of the application.

Duluth Office:

Environmental Services OWD Government Services Center 320 W 2nd Street, Suite 301 Duluth, MN 55802

218-725-5200
Onsite Wastewater Dept. Toll Free 1-800-450-9278
www.stlouiscountymn.gov/septic

Virginia Office:

Environmental Services OWD Northland Office Center 307 First Street S, Suite 115 Virginia, MN 55792

218-749-0625

Saint Louis County

Environmental Services Department Onsite Wastewater Division 1-800-450-9278

Duluth: 325 W. First St., Suite 300, Duluth, MN 55802, (218) 725-5200 Virginia: 307 First St., So., East Wing 2R, Virginia, MN 55792, (218) 749-0625

Tank Worksheet

Recirculation tanks

Size of tank gallons New or existing	
Tank construction material	
Are risers cast into lid? If no, method of attachment	
Is riser lid insulated.? Y/N	
Are there anchoring requirements for this tank? Y/N	
Method of tank bedding?	
Time dose control panel Y / N Event counter Y / N Elapsed time meter Y / N	
	_
General:	
Tank installation access:Through Yard	
Drainage details:Berm Dirt Around Tank To Keep Water Away	
Pumping access route:Driveway	
General Comments:	



Saint Louis County

Environmental Services Department - Onsite Wastewater Division 1-800-450-9278

Duluth: 227 W First St., Suite 100, Duluth, MN 55802 (218) 725-5200 Virginia: 307 First St. So., Suite 115, Virginia, MN 55792 (218) 749-0625

PHASE I SOILS WORKSHEET

	1of_1									
Applic	ant Name:	Michael Jo	ones		Parcel ID:	660-600	0-55910			
Address of property: 4978 NW Island Lake Road Duluth Mn 55803										
Evalua	tor: Lakeh	ead Trucking	9	D	ate:8/2	4/18	Time:	4:30 PM		
Excavation type: Backhoe Excavation number and location: 1 In System Area										
Site co	nditions: _)ry								
Vegeta	woo	ded					-			
Landso	cape positio	n:	- Discriptors and a Konstanting of Association		Slope:		1	%		
Depth	Texture	Structure Unstructured	Consistence	Color	Confining					
irenes		Structured Platy	Friable Firm	Munsell	Layer Y/N	Y/N	Y/N			
0-4	Sandy Loam	structur ed	friable	7.5YR 3/2	no	no	yes			
4-6	loamy coarse sand	structur ed	friable	5YR 4/4	no	no	yes			
6-13	loamy coarse sand	structured	friable	7.5YR 4/3	no	no	yes	E Layer broken wavy		
3-27	coarse sand	structur ed	friable	7.5yr 4/4	no	no	yes			
7-65	coarse sand	structur ed	loose	7.5yr 3/4	no	no	yes			
								·		
Season	al High Wa	ter Conditions	s:>6	5	Inches from	surface				
Soil Wastewater Loading Rate: Gallons per square foot per day										
Hydraulic Linear Loading Rate:Gallons per linear foot										

IN GROUND CALCULATIONS (Spreadsheet)

Name of Applicant:
1. SITE CONDITIONS
 Evaluate the site and soils report for the following: Surface water movement Measure Elevations and distances on the site so that slope, contours and available areas can be determined. Description of several soil profiles where the system will be located. Determine the limiting conditions such as bedrock, high groundwater level, soil permeability, and setbacks. (Note: shaded boxes to be filled in by designer)
Slope = 1 %
Occupancy: One or two family dwelling # of bedrooms = 3
Public facility (I.e. non-residential). Daily wastewater flow (provide particulars on separate sheet)
Wastewater: Typical residential BOD5 Y/N = Yes Or other: BOD5= mg/L
Suitable area: Cross slope distance = 40 Feet Width = 20 Feet
Soil limiting factor = Mottling Depth to limiting factor = >65 Inches
In-situ soil application rate used 1 gal/sf/day
2. DESIGN WASTEWATER FLOW (DWF)
One or two-family dwelling:
DWF = gal/day/bedroom (generally 150) x # of bedrooms DWF = 100 gal/day/bedroom x 3 # of bedrooms DWF = 300 gal/day
Public Facilities
DWF = Sum of each wastewater flow per source per day x 1.5 DWF = gal/day x 1.5 DWF = 0 gal/day

3. WIDTH AND LENGTH OF THE DISTRIBUTION CELL

1. Determine the design loading rate (DLR) for the site
Select the effluent application rate for the most restrictive soil horizon in contact with the distribution cell that matches the soil conditions. The effluent application rate selected is the design loading rate (DLR) for the site.
DLR =
2. Determine the distribution cell area.
Calculate the distribution cell area by dividing the daily design wastewater flow (DWF) by the design loading rate (DLR).
Distribution cell area = DWF/DLR Distribution cell area = 300 gpd divided by Distribution cell area = 300 sf
3. Select a width (A) for the distribution cell. (Usually 3 feet)
A = 10 ft
4. Determine the distribution cell length.
Calculate the distribution cell length (B) by dividing the required distribution area by the distribution cell width (A).
B = Distribution cell area divided by A B = 300 sf divided by B = 30 ft

Pump Selection for a Pressurized System - Single Family Residence Project

Parameters		
Discharge Assembly Size	2.00	inches
Transport Length	50	feet
Transport Pipe Class	40	
Transport Line Size	2.00	inches
Distributing Valve Model	None	
Max Elevation Lift	8	feet
Manifold Length	5	feet
Manifold Pipe Class	40	
Manifold Pipe Size	2.00	inches
Number of Laterals per Cell	3	
Lateral Length	26	feet
Lateral Pipe Class	40	
Lateral Pipe Size	1.50	inches
Orifice Size	1/4	inches
Orifice Spacing	4	feet
Residual Head	2.5	feet
Flow Meter	None	inches
'Add-on' Friction Losses	5	feet
Calculations		
Minimum Flow Rate per Orifice	1.23	gpm
Number of Orifices per Zone	21	3.
Total Flow Rate per Zone	25.8	gpm
Number of Laterals per Zone	3	31
% Flow Differential 1st/Last Orifice	0.8	%
Transport Velocity	2.5	fps
Frictional Head Losses		
Loss through Discharge	1.3	feet
Loss in Transport	0.6	feet
Loss through Valve	0.0	feet
Loss in Manifold	0.0	feet
Loss in Laterals	0.1	feet
Loss through Flowmeter	0.0	feet
Add-on' Friction Losses	5.0	feet
Pipe Volumes		
	8.7	gals
Vol of Transport Line		
Vol of Transport Line Vol of Manifold	0.9	gals
	0.9 8.2	gals gals

	- 1

PumpData

pData

Legend

System Curve:

Pump Curve:

Pump Optimal Range

Operating Point

Design Point



Design Flow Rate

Total Dynamic Head

Minimum Pump Requirements

25.8

17.5

gpm

feet



Septic System Management Plan for Below Grade Systems

The goal of a septic system is to protect human health and the environment by properly treating wastewater before returning it to the environment. Your septic system is designed to kill harmful organisms and remove pollutants before the water is recycled back into our lakes, streams and groundwater.

This **management plan** will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic maintainer or service provider. However, it is YOUR responsibility to make sure all tasks get accomplished in a timely manner.

The University of Minnesota's Septic System Owner's Guide contains additional tips and recommendations designed to extend the effective life of your system and save you money over time.

Proper septic system design, installation, operation and maintenance means safe and clean water!

Property Owner Michael Jones	
Property Address 4978 NW Island Lake Road	Property ID 660-6000-55910
System Designer Lakehead Trucking	Phone 391-2425
System Installer Lakehead Trucking	Phone 391-2425
Service Provider/Maintainer	Phone
Permitting Authority St Louis County	Phone 725-5200
Permit #	Date Inspected

Keep this Management Plan with your Septic System Owner's Guide. The Septic System Owner's Guide includes a folder to hold maintenance records including pumping, inspection and evaluation reports. Ask your septic professional to also:

- · Attach permit information, designer drawings and as-builts of your system, if they are available.
- · Keep copies of all pumping records and other maintenance and repair invoices with this document.
- Review this document with your maintenance professional at each visit; discuss any changes in product use, activities, or water-use appliances.

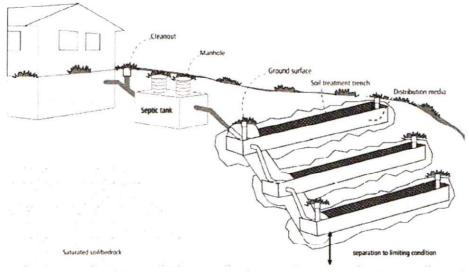
For a copy of the Septic System Owner's Guide, call 1-800-876-8636 or go to http://shop.extension.umn.edu/

http://septic.umn.edu

Septic System Management Plan for Below Grade Systems



Your Septic System



Septic Syste	em Specifics
System Type: I III IIV* V* (Based on MN Rules Chapter 7080.2200 – 2400)	System is subject to operating permit* System uses UV disinfection unit* Type of advanced treatment unit *Additional Management Plan required
Dwelling Type	Well Construction
Number of bedrooms: 3	Well depth (ft): Unknown
System capacity/ design flow (gpd): 300	✓ Cased well Casing depth:
Anticipated average daily flow (gpd): 200	Other (specify):
Comments	Distance from septic (ft): >100
Business? What type? Residential	Is the well on the design drawing? Y N
Septic	Tank
✓ One tank Tank volume: 1000 gallons	✓ Pump Tank (if one) 500 gallons
Does tank have two compartments? Y N	Effluent Pump make/model: ME 40
Two tanks Tank volume: gallons	Pump capacity 25.8 GPM
Tank is constructed of concrete	TDH 17.5 Feet of head
□ Effluent Screen type: Zabel	Alarm location Inside
Soil Treatmen	nt Area (STA)
Trenches:total lineal feet	Gravity distribution Pressure
Number of trenches: at feet each	distribution Cleanouts
STA size (width x length): 10 ft x 30 ft	Inspection ports Cleanouts
Location of additional STA:	Additional STA not available

Septic System Management Plan for Below Grade Systems



Homeowner Management Tasks

These operation and maintenance activities are your responsibility. Use the chart on page 6 to track your activities.

Identify the service intervals recommended by your system designer and your local government. The tank assessment for your system will be the **shortest interval of these three intervals**. Your pumper/maintainer will determine if your tank needs to be pumped.

System Designer:	check every	months	My topk pood	s to be checked
Local Government:	check every	months	-	
State Requirement:	check every 36	months	every	months

Seasonally or several times per year

- Leaks. Check (listen, look) for leaks in toilets and dripping faucets. Repair leaks promptly.
- Surfacing sewage. Regularly check for wet or spongy soil around your soil treatment area. If surfaced sewage or strong odors are not corrected by pumping the tank or fixing broken caps and leaks, call your service professional. Untreated sewage may make humans and animals sick.
- Alarms. Alarms signal when there is a problem; contact your maintainer any time the alarm signals.
- Lint filter. If you have a lint filter, check for lint buildup and clean when necessary. Consider adding one after washing machine.
- Effluent screen. If you do not have one, consider having one installed the next time the tank is cleaned.

Annually

- Water usage rate. A water meter can be used to monitor your average daily water use. Compare
 your water usage rate to the design flow of your system (listed on the next page). Contact your
 septic professional if your average daily flow over the course of a month exceeds 70% of the
 design flow for your system.
- Caps. Make sure that all caps and lids are intact and in place. Inspect for damaged caps at least every fall. Fix or replace damaged caps before winter to help prevent freezing issues.
- Water conditioning devices. See Page 5 for a list of devices. When possible, program the recharge frequency based on water demand (gallons) rather than time (days). Recharging too frequently may negatively impact your septic system.
- Review your water usage rate. Review the Water Use Appliance chart on Page 5. Discuss any
 major changes with your pumper/maintainer.

During each visit by a pumper/maintainer

- Ask if your pumper/maintainer is licensed in Minnesota.
- Make sure that your pumper/maintainer services the tank through the manhole. (NOT though a 4" or 6" diameter inspection port.)
- Ask your pumper/maintainer to accomplish the tasks listed on the Professional Tasks on Page 4.

Septic System Management Plan for Below Grade Systems



Professional Management Tasks

These are the operation and maintenance activities that a pumper/maintainer performs to help ensure long-term performance of your system. Professionals should refer to the O/M Manual for detailed checklists for tanks, pumps, alarms and other components. Call 800-322-8642 for more details.

Written record provided to homeowner after each visit.

Plumbing/Source of Wastewater

- Review the Water Use Appliance Chart on Page 5 with homeowner. Discuss any changes in water use and the impact those changes may have on the septic system.
- Review water usage rates (if available) with homeowner.

Septic Tank/Pump Tanks

- Manhole lid. A riser is recommended if the lid is not accessible from the ground surface. Insulate
 the riser cover for frost protection.
- Liquid level. Check to make sure the tank is not leaking. The liquid level should be level with the
 bottom of the outlet pipe. (If the water level is below the bottom of the outlet pipe, the tank may
 not be watertight. If the water level is higher than the bottom of the outlet pipe of the tank, the
 effluent screen may need cleaning, or there may be ponding in the drainfield.)
- Inspection pipes. Replace damaged caps.
- Baffles. Check to make sure they are in place and attached, and that inlet/outlet baffles are clear
 of buildup or obstructions.
- Effluent screen. Check to make sure it is in place; clean per manufacturer recommendation.
 Recommend retrofitted installation if one is not present.
- Alarm. Verify that the alarm works.
- Scum and sludge. Measure scum and sludge in each compartment of each septic and pump tank, pump if needed.

Pump

- Pump and controls. Check to make sure the pump and controls are operating correctly.
- Pump vault. Check to make sure it is in place; clean per manufacturer recommendations.
- Alarm. Verify that the alarm works.
- Drainback. Check to make sure it is operating properly.
- Event counter or run time. Check to see if there is an event counter or run time log for the pump.
 If there is one, calculate the water usage rate and compare to the anticipated average daily flow listed on Page 2.

Soil Treatment Area

- Inspection pipes. Check to make sure they are properly capped. Replace caps that are damaged.
- Surfacing of effluent. Check for surfaced effluent or other signs of problems.
- Gravity trenches and beds. Check the number of gravity trenches with ponded effluent. Identify
 the percentage of the system in use. Determine if action is needed.
- Pressure trenches and beds Lateral flushing. Check lateral distribution; if cleanouts exist, flush
 and clean as needed.

All other components -	- inspect	as	listed	here:
------------------------	-----------	----	--------	-------

Septic System Management Plan for Below Grade Systems



Water-Use Appliances and Equipment in the Home

Appliance	Impacts on System	Management Tips
Garbage disposal	Uses additional water. Adds solids to the tank. Finely-ground solids may not settle. Unsettled solids can exit the tank and enter the soil treatment area.	 Use of a garbage disposal is not recommended. Minimize garbage disposal use. Compost instead. To prevent solids from exiting the tank, have your tank pumped more frequently. Add an effluent screen to your tank.
Washing machine	Washing several loads on one day uses a lot of water and may overload your system. Overloading your system may prevent solids from settling out in the tank. Unsettled solids can exit the tank and enter the soil treatment area.	 Choose a front-loader or water-saving top-loader, these units use less water than older models. Limit the addition of extra solids to your tank by using liquid or easily biodegradable detergents. Install a lint filter after the washer and an effluent screen to your tank Wash only full loads. Limit use of bleach-based detergents. Think even – spread your laundry loads throughout the week.
2 nd floor laundry	The rapid speed of water entering the tank may reduce performance.	 Install an effluent screen in the septic tank to prevent the release of excessive solids to the soil treatment area. Be sure that you have adequate tank capacity.
Dishwasher	 Powdered and/or high-phosphorus detergents can negatively impact the performance of your tank and soil treatment area. New models promote "no scraping". They have a garbage disposal inside. 	 Use gel detergents. Powdered detergents may add solids to the tank. Use detergents that are low or no-phosphorus. Wash only full loads. Scrape your dishes anyways to keep undigested solids out of your septic system.
Grinder pump (in home)	Finely-ground solids may not settle. Unsettled solids can exit the tank and enter the soil treatment area.	 Expand septic tank capacity by a factor of 1.5. Include pump monitoring in your maintenance schedule to ensure that it is working properly. Add an effluent screen.
Large bathtub (whirlpool)	Large volume of water may overload your system. Heavy use of bath oils and soaps can impact biological activity in your tank and soil treatment area.	 Avoid using other water-use appliances at the same time. For example, don't wash clothes and take a bath at the same time. Use oils, soaps, and cleaners in the bath or shower sparingly.
Clean Water Uses	Impacts on System	Management Tips
High-efficiency furnace	Drip may result in frozen pipes during cold weather.	Re-route water into a sump pump or directly out of the house. Do not route furnace recharge to your septic system.
Water softener Iron filter Reverse osmosis	Salt in recharge water may affect system performance. Recharge water may hydraulically overload the system.	These sources produce water that is not sewage and should not go into your septic system. Reroute water from these sources to another outlet, such as a dry well, draintile or old drainfield.
Surface drainage Footing drains	Water from these sources will likely overload the system.	When replacing, consider using a demand-based recharge vs. a time-based recharge. Check valves to ensure proper operation; have unit serviced per manufacturer directions

Septic System Management Plan for Below Grade Systems



Maintenance Log

Track maintenance activities here for easy reference. See list of management tasks on pages 3 and 4.

Activity	Activity Date accomplished				
Check frequently:					
Leaks: check for plumbing leaks					
Soil treatment area check for surfacing					
Lint filter: check, clean if needed					
Effluent screen: if owner-maintained	3				
Check annually:			-		
Water usage rate (monitor frequency)					
Caps: inspect, replace if needed					
Water use appliances - review use					
Other:					
Notes:					
Mitigation/corrective action plan: Replace	e As Needed				
"As the owner of this SSTS, I understand the sewage treatment system on this properties this Management Plan are not met, I will necessary corrective actions. If I have a area for future use as a soil treatment so Property Owner Signature: Management Plan Prepared By: Tom Ro	promptly notified in new system, I system."	the Managemer v the permitt:	nt Plan. If i ing authority	requirement $\frac{1}{28}$	nts in e eserve
Management Plan Prepared By: 1011 110	hv		Ceruncado	11 # 100	
Permitting Authority: St Louis Count	· y				

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Construction & Earthwork Request Form

Rent Due: \$1,387.50 Taxes Due: \$0.00

You should note that completion of this form and your proposed construction request are both governed by the terms of your Lease.

*In the event Minnesota Power grants approval for construction and/or earthwork, the responsibility remains with the applicant/leaseholder to obtain local, State, and/or Federal, authorizations or permits as required by law and to comply with building codes and ordinances.

and ordinances.	,	
	& EARTHWORK REQUEST UPON POWER LEASED PROPERTY	
MP Lot No.: STLO05315351503 Account No.: 1860810000 Site Address: 4978 NW Island Lo	County Parcel No.: 660600055 MP Map Number: MB-15803 ake Rd. Township: Unog 710	910
Michael D. Jones 4976 NW Island Lake Rd. Duluth, MN 55803	Telephone : Home: (218) 728-3 Work: Cell: (218) 348-820 Email: mjones@northlandsubwa	00
Minnesota Power Parcel Num Township 053 North, Range 1 Minnesota.	ber 03, in that portion of SW/SE, Section 3 5 West, Island Lake Reservoir, St Louis Co	5, ounty,
Requested by:	Jones Michael D.	8/24/18 Date
Preliminary Approval* to Seek Governmental Permits:	Minnesota Power,	8-27-18 Date
3. Approved by:	County, Township, MN DNR or other Agency	8/30/18 Date
4. Final Construction Approval*:	Minnesota Power	Date
Authorization for Work Under the	nis Permit Expires On:	Date
OFFICE USE ONLY		Λ
Project Sept C	Initial	1
Date Received 9-27-18	Archaeology Check PROCEED Initial	AB
Notes		
B		

Site sketch requirements

Purpose, description and dimensions of project

Describe whether your project will involve any of the following:

- Construction of structure(s), dumping, filling or removing of earthen material, drilling, draining, excavating, install or repair.
- Excavating, dredging or discharging (placing fill material) into a wetland or other water body (including the temporary placement of material). If so, explain the specific purpose of the placement of the material (such as erosion control) and indicate how it will be done (such as with a backhoe or dragline). If dredged material is to be discharged on an upland site, identify the location of the site.
- Construction of an access path, bridge, culvert, dam, ditch, dock, driveway, riprap, road, sand blanket, or shore protection.
- If requesting permission for pole building construction, please include height and color of building, in addition to the length and width dimensions.

Include the following in a sketch of project

- 1. Draw lot boundaries with all dimensions
- Draw roads with names and any lakes/rivers etc.
- Draw and identify existing structures and structure dimensions (if any)
- 4. Draw and identify location of proposed construction including dimensions
- 5. Draw and identify driveways and all property accesses
- Identify distances of existing and proposed construction/structures from the shoreline, side yard far, side yard near, and road center line
- 7. Draw and identify existing or proposed septic location and future expansion area
- 8. Draw and name any drinking water well locations and dimensions from any septic systems (including neighbors)
- Identify existing power poles, overhead power lines and the name of the utility provider that said power poles and lines belong to
- 10. Identify existing and proposed fencing, berms or other natural barriers
- 11. Identify setbacks for all structures (sides, rear and shore)
- 12. Show erosion/sediment control measures (if any)

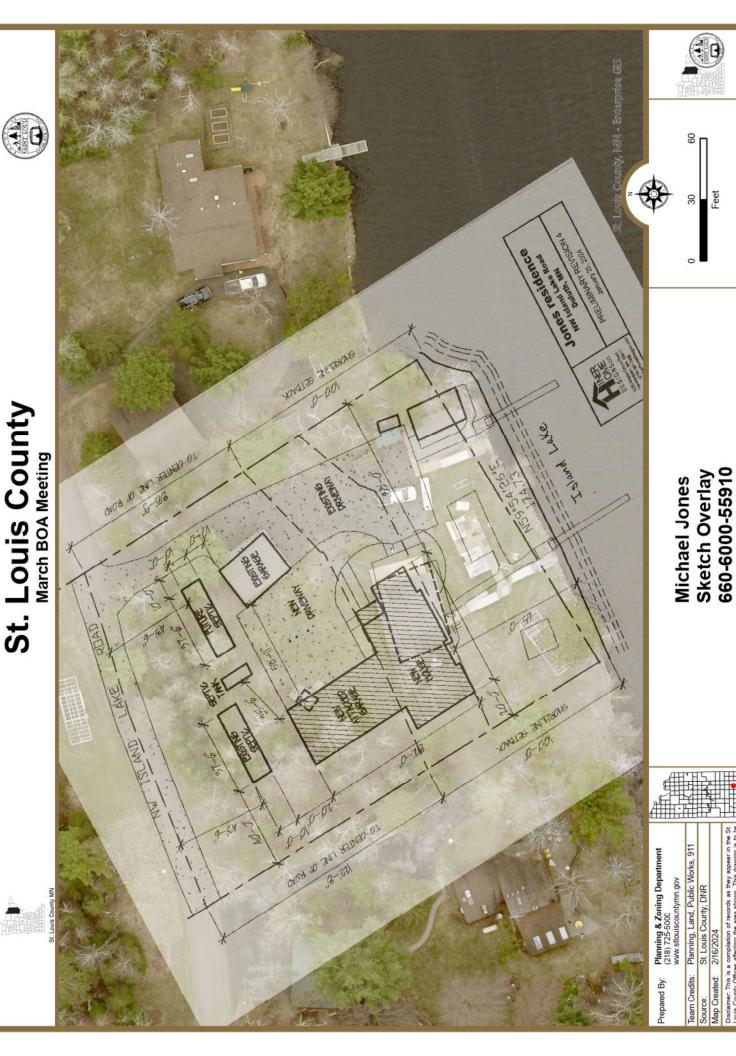
Contractor contact information

If you are working with a con	tractor on this project, plea	ase provide their contact in	formation.	\sim	
Contractor (company) name	Lakehead	Contact (person)	name_Tow	Kovinsky	
Contractor (company) name Business phone	Cell phone	218-391-2425	Email toms s	eptic Egma	<u>ul</u> . co.
Detailed explanation	on of construction	n plans			
State what you propose to do Install ne septie sys	w septic sy	stem to rep	lace old	non compl	iant

0.75 2607 Island Lake 2613 **Boulder Lake** Reservoir St. Louis County March BOA Meeting Island Lake Michael Jones Location Map 660-6000-55910 5552 **Subject Property** 5553 Planning & Community Development (218) 725-5000 www.stlouiscountymn.gov St. Louis County

250 St. Louis County March BOA Meeting **Michael Jones** Location Map 660-6000-55910 Island Lake Reservoir **Subject Property** Planning & Community Development (218) 725-5000 www.stlouiscountymn.gov St. Louis County Prepared By:

250 Feet St. Louis County March BOA Meeting **Michael Jones** Zoning Map 660-6000-55910 Island Lake Reservoir **Subject Property** Planning & Community Development (218) 725-5000 www.silouiscountymn.gov St. Louis County 12/12/2023 Source: Map Created: Prepared By:

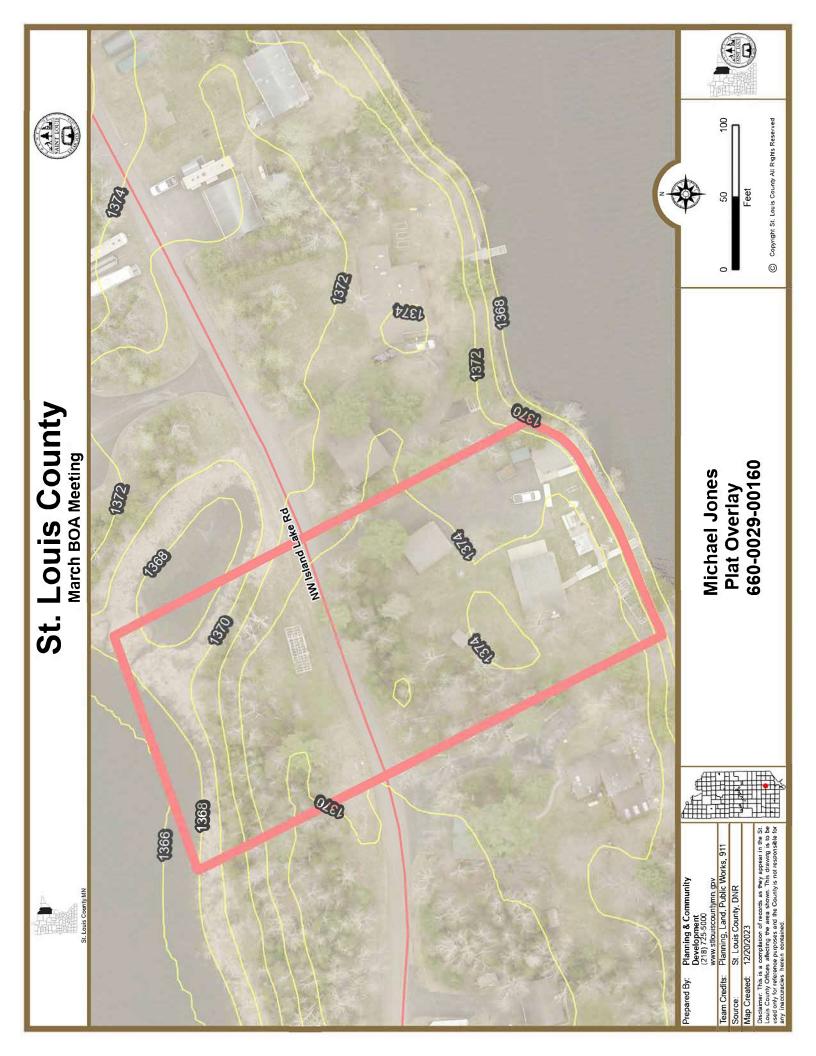


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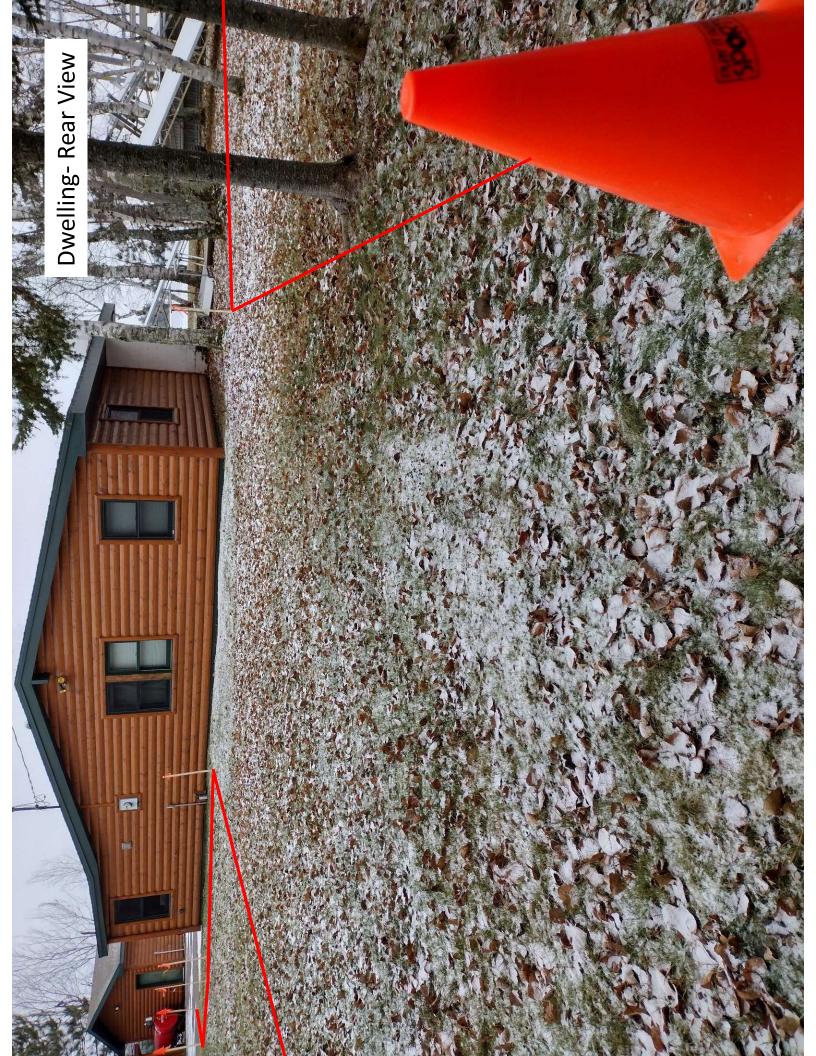
West Shoreline



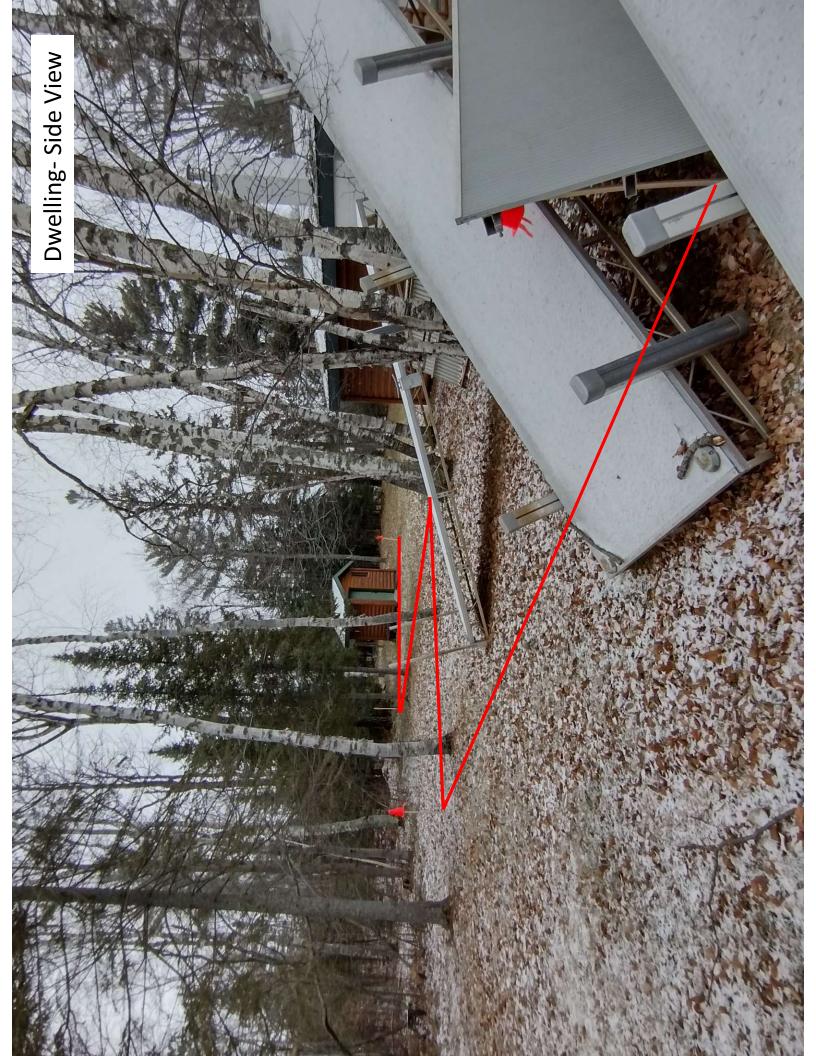


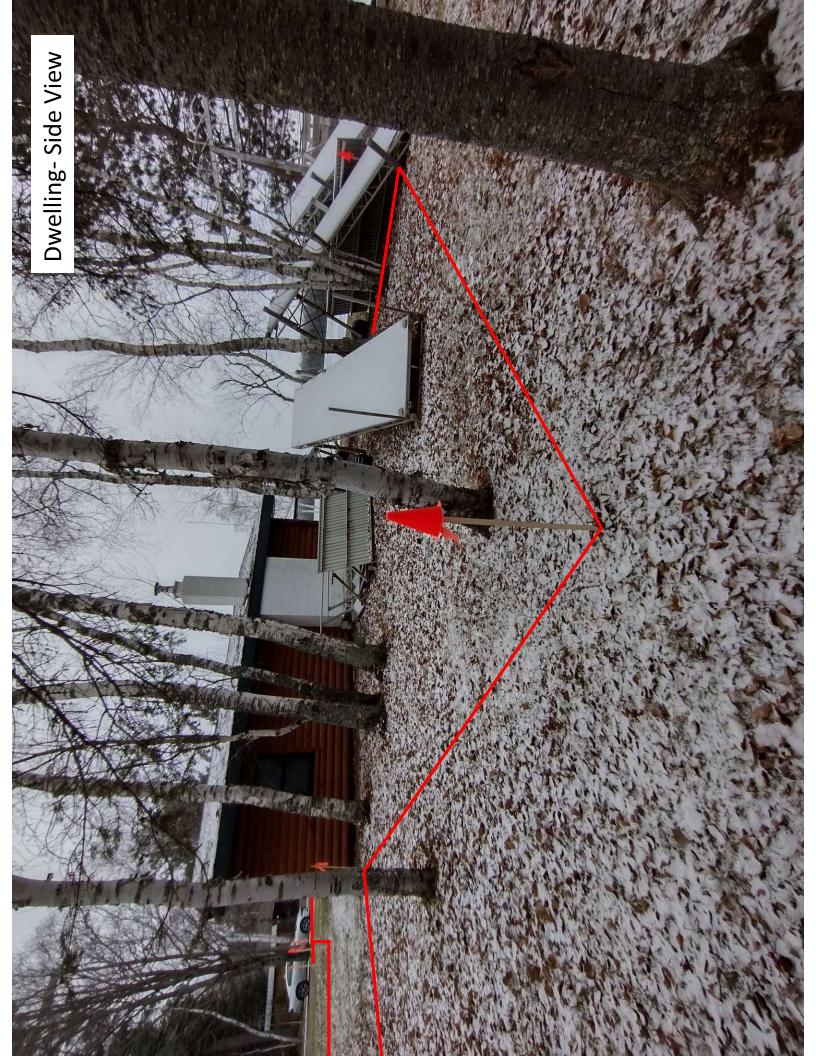


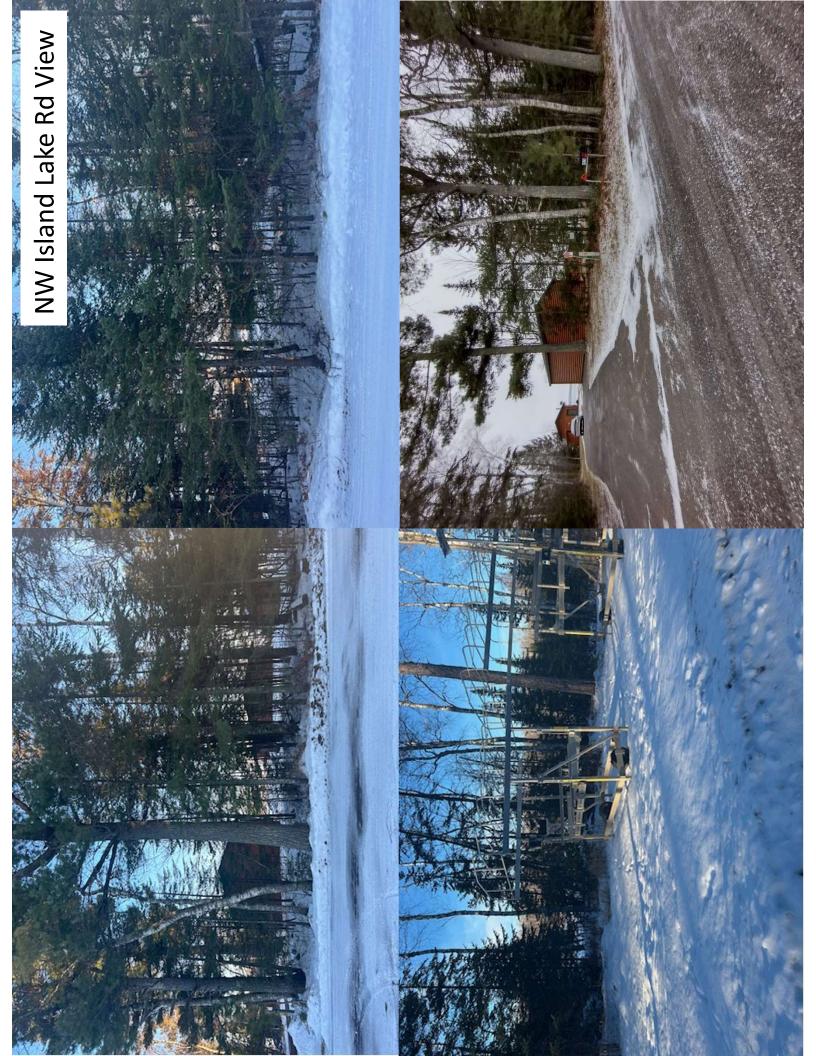




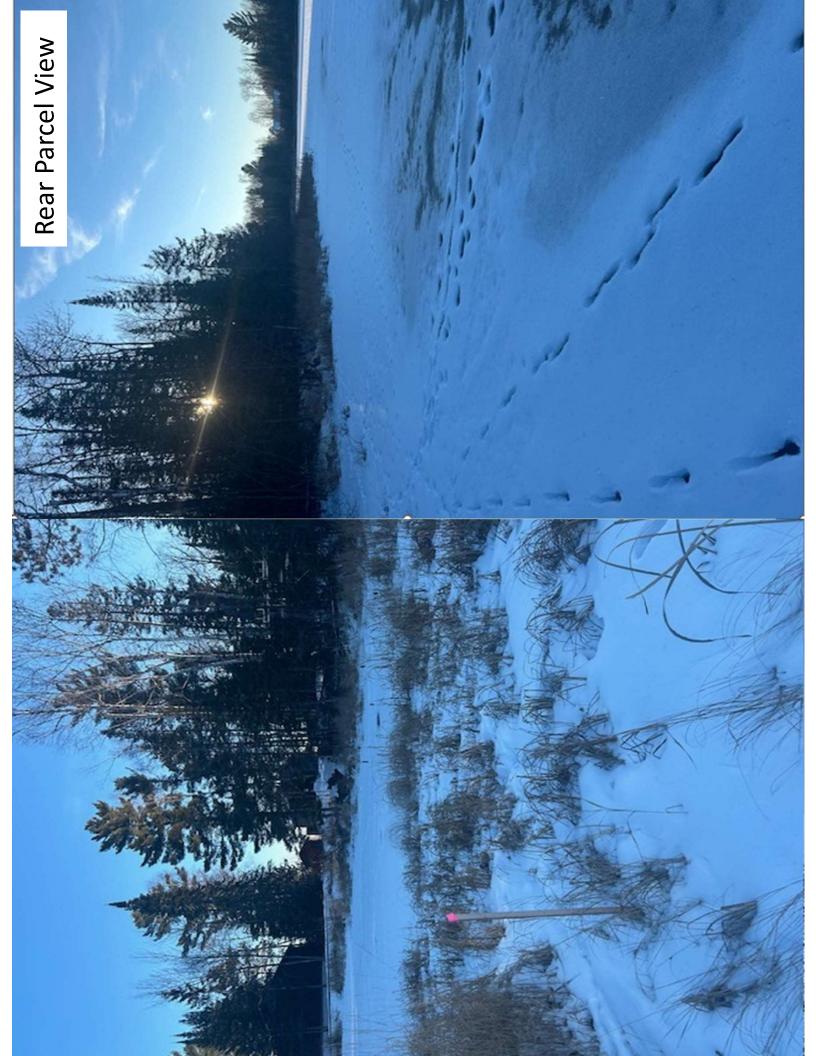












ST. LOUIS COUNTY BOARD OF ADJUSTMENT FINDINGS OF FACT, CONCLUSIONS AND DECISION

Meeting Date: 1-11-2024

APPLICANT: Michael Jones

4976 NW Island Lake Road

Duluth, MN 55803

LEGAL DESCRIPTION: SW 1/4 OF SE 1/4, LEASE #15-03 MP 660-10-5540, S35, T53N, R15W (Unorganized).

TESTIMONY AT THE JANUARY 11, 2024 HEARING:

The applicant is requesting relief from St. Louis County Zoning Ordinance 62, Article III, Section 3.4 and Article IV, Section 4.3 D., to allow a replacement principal dwelling at a reduced shoreline setback and to exceed allowed structure width facing the water. *LaShawn Rush*, St. Louis County Planner, reviewed the staff report as follows:

- A. The applicant is proposing a replacement principal dwelling at a reduced shoreline setback of 58 feet where 100 feet is required.
- B. The proposed replacement principal dwelling has a structure width facing the water of 82 feet where 71 feet is allowed.
- C. The property currently contains a principal dwelling, multiple accessory structures, and a private septic system.
- D. There is good screening from most sides of the property.
- E. There is a gradual slope from the dwelling to the shore with an elevation change of six feet.
- F. The lowest floor will be above the Regulatory Flood Protection Elevation.
- G. There are wetlands on the north side of the property that will not be impacted by the proposed project.
- H. The parcel is divided by NW Island Lake Road.

LaShawn Rush reviewed staff facts and findings as follows:

- A. Official Controls:
 - 1. Zoning Ordinance 62, Article III, Section 3.4, requires a setback of 100 feet from Recreation Development lakes.
 - a. The applicant is proposing a 58 foot setback from Island Lake Reservoir.
 - 2. Zoning Ordinance 62, Article IV, Section 4.3 D., allows a nonconforming structure to have a width facing the shoreline of 40 percent of the lot width if located within the shoreline setback.
 - a. The applicant is proposing 82 feet of the structure to face the shoreline (46 percent) where 71 feet is allowed (40 percent).
 - 3. Goal LU-3 of the St. Louis County Comprehensive Land Use Plan is to improve the integrity of the county's planning-related regulation by minimizing and improving management of nonconformities.
 - 4. Objective LU-3.1 of the St. Louis County Comprehensive Land Use Plan is to base variance decisions on uniform approval criterion to ensure all applications are treated

- equitably, that community health and safety is protected, and that the overall character of a given area is preserved.
- 5. Objective LU-3.3 of the St. Louis County Comprehensive Land Use Plan is to acknowledge why nonconformities are a concern and that variances should be for exceptional circumstances as noted in Minnesota Statute 394.22. Subd.10.

B. Practical Difficulty:

- 1. The property is part of an official plat (Breezy Bay) that was platted in September of 2023.
 - a. There are no notes on the original plat expressing concerns for conforming buildable area.
- 2. There are alternatives that may reduce the number of variance requests:
 - a. Reduction of size and change in configuration of the structure may result in a proposal being at a conforming location that would be allowed through a Land Use Permit.
- 3. No practical difficulty has been presented for exceeding lot width requirements.

C. Essential Character of the Locality:

- 1. The applicant is not proposing a new use to the area. The Breezy Bay Plat is developed with many seasonal and year-round residential uses.
- 2. The area consists of developed lakeshore lots with both conforming and nonconforming structures.
- 3. There have been seven approved variance cases in the area to allow for a reduced shoreline setback.

D. Other Factors:

- 1. St. Louis County Onsite Wastewater Division did not pass the record review of the proposal.
 - a. If the variance request is approved, the applicant will need to work with St. Louis County Onsite Wastewater Division to meet their requirements before the issuance of a land use permit.
- 2. Ordinance 62 states that it shall be the burden of the applicant to demonstrate sufficient practical difficulty to sustain the need for a variance. Absent a showing of practical difficulty as provided in Minnesota Statutes and this ordinance, the Board of Adjustment shall not approve any variance.

LaShawn Rush noted no items of correspondence.

RECOMMENDED CONDITIONS

Conditions that may mitigate the variance to allow a replacement principal dwelling at a reduced shoreline setback and to exceed the allowed structure width facing the water as proposed include, but are not limited to:

- 1. The structure shall be unobtrusive (earth-tone) colors, including siding, trim and roof.
- 2. The stormwater runoff from the proposed structure shall not directly discharge into the lake or on adjacent lots.

- 3. The lowest floor of the structure shall be at or above the Regulatory Flood Protection Elevation.
- 4. St. Louis County Onsite Wastewater SSTS standards shall be followed.

Michael Jones, 4976 NW Island Lake Road, the applicant, stated he owns both properties. He lives at 4976 NW Island Lake Road and the subject property is 4978 NW Island Lake Road. He purchased this cabin property in 2009. His wife and he decided to build a new home as their current home, while a year-round residence, was built in 1993 and he does not want to deal with a crawlspace as he ages. They intend to sell that property and build a new dwelling on the cabin property. The existing dwelling is 40 feet from the shoreline. He purchased this property from the original owner and the cabin is about 26 feet by 40 feet. The cabin is 58 feet from the shoreline.

He worked with Minnesota Power to get approval for steps down to the lake. It was then he discovered his lot was 200 feet wide when Minnesota Power provided a map for the work. When he installed the septic in 2018, his lot width was at 190 feet. He asked Minnesota Power what had happened, and they said the lot width was 190 feet, not 200 feet like the map had indicated. During the platting process, he received a packet in the mail that said his lot was 175 feet wide. Minnesota Power had to make the lots more conforming and lot lines were adjusted. When the lot was squared off, he lost some of the lot width. He did acquire land behind the road which is mostly a swamp.

He has been working with Tom Rovinsky, a septic designer, who was on this site and installed the septic in 2018. They intend to replace the current tank with a larger tank. The tank will be relocated behind the proposed garage.

He is asking for a shoreline setback variance because he would be unable to fit the septic system behind the staff alternative location.

The garage may be a luxury, but it is a necessity to gain interior storage. He does not want to clear cut his lot so he can park everything outside.

No audience members spoke.

The *Board of Adjustment* discussed the following:

- A. Board member *Filipovich* asked when other variances were approved around the subject property, noting that this area was platted in September 2023. *LaShawn Rush* stated some of these variances were approved prior to platting.
- B. Board member *Filipovich* asked if lot sizes were changed during the platting process. *Donald Rigney*, Acting Secretary, stated that during the platting process, lots are not added, and the process tries to maintain a lot of record where the lot is at. Some property lines were adjusted slightly to create a more conforming lot. Some acreage was added to lots, such as adding to backlots. The applicant can answer to if they have more acreage now through the platting process. In most cases, these lots did not get smaller.
- C. Board member *Pollock* asked about the staff's alternative building site and if there were anything that would limit building at that location. *LaShawn Rush* stated there is not. Board member *Pollock* asked if the alternative location is 100 feet from the shoreline. *LaShawn Rush* stated it is. Board member *Pollock* asked what the structure width facing the water

- would be at the alternative location. *Donald Rigney* stated it would be 55 percent. *LaShawn Rush* added the current proposal is 46 percent of the structure width facing the water. Board member *Pollock* stated at the conforming location, the applicant could have a land use permit. The applicant may need to reconfigure the design.
- D. Board member *Coombe* asked if by moving the proposed structure back to the 100 foot shoreline setback, the applicants' neighbors would all have structures in front of them. Board member *Pollock* stated the neighboring cabins would not obstruct the applicant's view.
- E. Board member *McKenzie* asked about the address of the property as both 4978 and 4976 NW Island Lake Road were used. *LaShawn Rush* stated the applicant owns both properties.
- F. Board member *McKenzie* asked about the proposed building height and if the allowed height at this setback would be 25 feet. *LaShawn Rush* stated the applicant noted 24 feet in the application.
- G. Board member *McKenzie* asked about the garage dimensions. Board member *Manick* stated the site sketch showed a 28 foot by 30 foot garage.
- H. Board member *McKenzie* asked where the septic was located. *LaShawn Rush* stated the septic tank will be located north of the proposed structure. The applicant will need to work with a designer and an environmental specialist if they wanted to move the septic.
- I. Board member *Manick* stated in the staff report the practical difficulty noted that the proposed structure is too wide and too close to the shoreline. This proposal is what the applicant would like to do. The applicant has a garage on the property. The applicant may not need an attached garage. Without the attached garage the structure could be moved back to meet the shoreline setback. The garage could be rebuilt and expanded. Removing a little square footage from the side would also comply with the structure width facing the lake requirement. *Michael Jones* stated the existing garage is 22 foot by 26 foot and they cannot fit more than a single vehicle in that garage. He has boats and other gear like Jetskis that need to be stored. When he moves to this property, he will have no storage area. He could build across NW Island Lake Road as an alternative, but the area across the road is swampy. It would be nice to have an attached garage in the winter and be able to get into his house. Board member *Manick* stated this property may not allow for an attached garage.
- J. Board member *Pollock* stated this proposal is a wish list. The sunroom could be a deck with sliding doors going outside. The size of the attached garage could be reduced to move the structure back. They need justification for variances and not what is convenient for the applicant. There is a lot that could be done to make this request easier to grant a variance for. Board member *Coombe* stated the applicant is before them stating what they want. This proposed house is out of the shore impact zone and will meet other setback requirements. There might be an issue with the septic system if the house is moved back. The applicant may not be able to get a replacement area for their septic system. This house could be moved back a few feet, but what will anyone gain by doing that? It will not protect the lake or neighborhood anymore, it will not be a new use to the area, and there has always been something on this property since the 1960s. This structure is just bigger. Bigger is not always bad.
- K. Board member *McKenzie* stated practical difficulty is something not caused by the landowner. In this case, the applicant's architect designed a house that is too big for this lot. The garage could be what is causing the setback issue with this lot. If the shoreline setback could be met, the structure width would not be a problem. This is not a practical

difficulty because the structure is too big for the lot. *Michael Jones* stated he does not know how to reduce the size of the structure because even with two bedrooms and a two-stall garage, he would still exceed the structure width facing the lake requirement. He does not know how he could build his dwelling at the 100 foot shoreline setback and still be able to install a septic. Board member *McKenzie* stated a reduced shoreline setback could be amended if the septic could be moved. The size and scale of this building compared to either adjoining neighbor is large. He does not see a practical difficulty not created by the landowner. *Michael Jones* stated he is building what he wants because he wants interior storage. He has two cars and both he and his wife work. Board member *McKenzie* stated that a desire to store things inside is not a practical difficulty. The applicant can control what they need or what they have.

- L. Board member *Manick* asked about the future replacement septic area. *Michael Jones* stated there is an existing septic field and a septic tank. The tank will be moved into a new area with the new dwelling. The existing septic field will be extended to meet code. There is an area behind the detached garage that could be utilized as a replacement area. Board member *Manick* asked if the applicant is keeping or removing the detached garage. *Michael Jones* stated he would like to keep the detached garage.
- M. Board member *Pollock* asked if the applicant has a new design sketch for the septic. *Michael Jones* stated he does not. Board member *Pollock* asked if this design is based on where the new proposed dwelling will be located. *Michael Jones* stated yes. Board member *Pollock* asked if the applicant asked that the septic be moved as far back as possible. *Michael Jones* stated Tom Rovinsky moved it back as far as it could go. Board member *Pollock* stated he has no design showing this. The septic could be moved back further. *Michael Jones* stated this was designed by Tom Rovinsky who is a professional that knows the rules. This area was picked out by him for the septic area. They may not gain much if the septic is moved. There is a road setback they need to follow. This proposal makes the most sense. Board member *McKenzie* asked if there is an existing septic field. *Michael Jones* stated there is. The septic was installed in 2018.
- N. Board member *McKenzie* stated having the 22 foot by 26 foot detached garage stand in the way of this new dwelling seems impractical. *Michael Jones* stated he wants to keep any storage they can get. They might not be able to build across the road because it is all swamp.
- O. Board member *Manick* stated he is not opposed to the size of the living quarters. His issue is the attached garage. They have to take into consideration practical difficulty. There is an area with the same elevation across the road to store the boats, etc. Without the attached garage, the structure could almost meet the required setback.
- P. Board member *Werschay* stated the cabin is located 54 feet from the shoreline and asked if the applicant could get a permit to expand the existing structure. *Donald Rigney* stated the cabin is located outside of the shore impact zone and the applicant could potentially get a performance standard permit for an addition up to 400 square feet in size. Board member *Werschay* stated the applicant is not asking that much more to stay where the current structure is at. Neighboring properties have cabins around the same distance from the shoreline. There would be no soil disturbance. There will be no fill. There will be no basement. If the structure is moved around, the soil could be disturbed. The septic system is already there and installed.
- Q. Board member *Manick* stated the application said the applicant is installing a new septic system to replace a noncompliant system. *Michael Jones* stated they found out the system

is noncompliant by 12 square feet. With the second story bonus room above the garage counted as a bedroom, the septic system needed to be sized for four bedrooms. The noncompliant system is for what he is building, not for what already exists there. They can reuse some of the existing septic but would need to expand. Not having to remove and replace the entire septic system is cost saving. Board member *Manick* stated that without an attached garage and bonus room, the septic would be fine. This would be a problem solved by not attaching a garage. Board member *Werschay* stated she supports an attached garage. Board member *Coombe* stated he called staff to ask why the septic was noncompliant. It was not just about the additional bonus room that could be considered a bedroom, but the square footage of the entire structure. *Donald Rigney* stated the square footage of the structure changed the classification of the dwelling which is how they size a septic system.

- R. Board member *Pollock* stated this request is a wish list by the applicant. There is also reasonable use of the property. A wish list does not mean the applicant does not have reasonable use of the property. Board member *Werschay* stated the applicant did not have control over the fact Minnesota Power adjusted the property lines and reduced the lot width of this property. Board member *McKenzie* stated the applicant has control over the design of the new house. Board member *Werschay* stated the applicant could remove square footage in order to conform to the lot width. Board member *Pollock* stated that 11 feet could be removed and that would better conform to the structure width facing the lake requirement. *Michael Jones* stated if he removed the sunroom to make the structure not as wide, he could still add a sunroom/gazebo elsewhere which would take up lot width on the property and would gain nothing. He would need to remove a number of trees which is where his vegetative buffer is. Board member *Manick* stated the applicant is already removing trees to fit a new dwelling in this location. *Michael Jones* stated there are birch trees that need to be removed as they are leaning on the cabin.
- S. Board member *McKenzie* asked if the architect knew what the requirements were and what property the applicant had to work with. The architect designed a structure too big for the lot. *Michael Jones* stated one might expect the architect to know everything. However, he did not realize they had lost lot width. He has been asking what he can take off the structure. He does not want to shorten the bedrooms by any square footage because they are already small. Board member *McKenzie* stated that what the applicant can have and what they will have is not necessarily the same thing. The architect should have known the dwelling is too big for this lot. The attached garage pushes the structure towards the lake. This design is what they like. Board member *McKenzie* stated in discussing this plan with the architect, the applicant might ask what they can get away with? *Michael Jones* stated he did not do that. He wanted a house designed for this property. He wanted to pull straight into a garage, which he was unable to do because then the structure would be too wide.
- T. Board member *Pollock* stated a redesign might be necessary in order to make this better for the Board to decide on. The septic designer can redesign the system to better fit and the dwelling could be redesigned to better configure the lot. The applicant needs to work with this to make it more compatible. Wishes do not take over the rules and regulations. *Michael Jones* stated he is restricted by the size of the lot, the trees, setbacks, etc. Board member *Pollock* stated the applicant is being restricted by the size and design of the proposed dwelling. *Michael Jones* asked if the issue is with the shoreline setback or with the size of the structure. It would cause more difficulty moving the septic back toward the road.

Everyone wants a little privacy. He does not want a lot of trees taken out so his property is more visible. Board member *Manick* stated he has no issue with the structure width. He does have an issue with the attached garage. There is room across the road for storage. There are alternatives here. Board member *Pollock* stated the shoreline setback, and the structure width are both against rules and regulations. A redesign should be done so the applicant can come back with something more palatable.

- U. Board member *Filipovich* stated the applicant should get some credit because the structure is moving further from the lake. The applicant did a good job putting this design together. Board member *Manick* stated the applicant could redesign the structure in order to better meet the shoreline setback. It may not be at 100 feet, but it could be better than what is already there. Board member *Werschay* stated the Board cannot really determine if there is room across the road to build anything. How would the Board know without visiting the site? *LaShawn Rush* stated there was one picture of the property across the road in the presentation. The pond on that part of the property is visible. Board member *Werschay* stated the attached garage will not be visible from the shore because it will be located behind the house. Board member *Filipovich* stated these are two separate lots because the road divides them. *Michael Jones* stated he is not sure he would call the land across the road usable land.
- V. Board member *Manick* asked why storage units are all over the place? It is because people do not have the room for storage on their property.
- W. Board member *Coombe* asked what the shoreline averaging would be for this property. *Donald Rigney* stated he did not run those numbers, but shoreline averaging is taking the shoreline setbacks of all principal dwellings within 150 feet of the subject property and adding 25 feet. Board member *Coombe* stated he calculated 75 to 77 feet. If the structure is moved back 15 feet, what has that accomplished? Does this protect the lake? The measures the applicant takes to direct rainwater away from the lake would do that. He would not tear down a 22 foot by 26 foot detached garage. The applicant needs room for a septic system and replacement area. The applicant is not asking for anything out of the ordinary. Board member *Manick* stated they are not singling out this applicant. If any of their neighbors wanted a variance to rebuild a structure, they would have the same questions. It is not as though the applicant's cabin burned down which would be a different circumstance. Board member *Werschay* stated if everyone had to build according to the Ordinance, there would be no Board of Adjustment. This applicant has done everything they can. Board member *Pollock* stated the Board still has to justify granting a variance.

FIRST MOTION

Motion by McKenzie/Pollock to deny a variance to allow a replacement principal dwelling at a reduced shoreline line setback and to exceed the allowed structure width facing the water, based on the following facts and findings:

A. Official Controls:

- 1. Zoning Ordinance 62, Article III, Section 3.4, requires a setback of 100 feet from Recreation Development lakes.
 - a. The applicant is proposing a 58 foot setback from Island Lake Reservoir.
- 2. Zoning Ordinance 62, Article IV, Section 4.3 D., allows a nonconforming structure to have a width facing the shoreline of 40 percent of the lot width if located within the shoreline setback.

- a. The applicant is proposing 82 feet of the structure to face the shoreline (46 percent) where 71 feet is allowed (40 percent).
- 3. The applicant is requesting to place a structure on a parcel that is not large enough to accommodate the proposed design. The proposed design includes a large, attached garage at the rear of the residence. The placement of the septic system may prevent the garage on the designed structure from moving back where the proposed structure could meet the required setback. If this is the case, the proposed garage is too large, the proposed residence is too large, or the garage design is wrong for the circumstances. The parcel could continue to be used in a reasonable manner without approval of a variance.
- 4. The variance request is not in harmony with the general purpose and intent of official controls.

B. Practical Difficulty:

- 1. Practical difficulty under the Ordinance in connection with granting a variance means the property cannot be put to reasonable use under conditions allowed by the Ordinance.
- 2. The plight of the landowner is due to circumstances on the property not created by the landowner.
- 3. The applicant is requesting to build a structure that is designed to not fit the parcel. The property is not unique and is of adequate size and any circumstance or difficulty by the applicant is self-created.
- 4. Practical difficulty has not been demonstrated in complying with the official controls.

C. Essential Character of the Locality:

- 1. The Ordinance says judging the essential character of the locality should be as done by regulations that existed at the time the area was developed.
- 2. In a practical matter, granting this variance request will alter the essential character of the locality.
- 3. The proposal, in looking at various structures in a one-quarter mile vicinity in either direction, there are no neighboring properties (with the exception of maybe one) that approach the size or scale of the proposed structure size of 3,600 square feet.

D. Other Factor:

1. There was no correspondence received in this case.

In Favor: Manick, McKenzie, Pollock - 3 **Opposed:** Coombe, Filipovich, Werschay - 3

Motion failed 3-3

The *Board of Adjustment* discussed the following after the first motion:

A. *Donald Rigney* informed the Board that if the second motion were to fail again in a split vote, the variance would be denied.

B. Board member *Coombe* stated he will not make a motion because this Board operates under Robert's Rules of Order. They may not enforce that, but they do use it. A failed motion is no motion at all. If there is no second motion and there is no decision made within 60 days, the variance would be automatically approved. Board member Pollock asked if the staff agrees. *Donald Rigney* stated that the Board needs to act on this application with a motion to approve or deny without prejudice. Board member *Pollock* stated there could be a denial without prejudice to allow for a redesign.

SECOND MOTION

Motion by Pollock/Manick to deny a variance to allow a replacement principal dwelling at a reduced shoreline line setback and to exceed the allowed structure width facing the water without prejudice. The applicant will work with their architect and their septic designer in order to fit rules and regulations of St. Louis County, including the 100 foot shoreline setback and the size and amount of coverage. The applicant will have the opportunity to present something more palatable. This is based on the following facts and findings:

A. Official Controls:

1. The variance request is not in harmony with the general purpose and intent of official controls as the request does not meet rules or regulations.

B. Practical Difficulty:

- 1. Work can be done to make this property compliant.
- 2. Practical difficulty has not been demonstrated in complying with the official controls.

C. Essential Character of the Locality:

1. The variance request will alter the essential character of the locality.

D. Other Factor:

1. The Board wants to see work done by the applicant with those that did the septic and architect where it can be compliant because it can be compliant.

The *Board of Adjustment* discussed the following after the second motion:

- A. Board member *Werschay* asked if this motion makes sense because the applicant is being denied without prejudice and is being told they have to comply with all Ordinance requirements. *Donald Rigney* stated there needs to be some clarity. Board member *Werschay* stated if the applicant complies with all Ordinance requirements, the applicant will not need a variance. Board member *Pollock* stated the applicant can work with the designer and architect to make this fit. Maybe it will not need a variance if designed correctly. Board member *Manick* stated maybe the structure will meet all setbacks.
- B. *Donald Rigney* asked what would happen if the applicant cannot meet all requirements. Board member *Pollock* stated the applicant can work with staff to maximize the shoreline setback and on lot coverage. If there is something that reduces the shoreline setback, the Board can believe that the applicant worked this out. Board member *Manick* stated they have a problem with the architect not doing the applicant justice. *Donald Rigney* stated things need to be listed on what the Board expects the applicant to bring back. Board member *Pollock* stated the applicant needs to meet the rules and regulations. If the architect

- determines the design is limited, that can be presented to the Board. The applicant can maximize the setback to the greatest extent or minimize the structure width facing the lake to what is allowed. *Donald Rigney* stated if the applicant cannot meet the 100 foot shoreline setback, the applicant has to come back and explain why. Board member *Pollock* agreed and added that would include the structure width facing the lake.
- C. Board member *Coombe* asked what type of road NW Island Lake Road is. *Donald Rigney* stated the road is a local road. Board member *Coombe* asked what road setbacks are. *Donald Rigney* stated the rights-of-way in Minnesota Power plats are considered easements. Although this is designated a local road, the County would consider this a private road and therefore the road setback is 15 feet from the edge of the road. Board member *Coombe* stated that the setback question is to make sure that the structures and septic could meet the road setback.
- D. Board member *Manick* asked what the small structure is down by the lake. *Michael Jones* stated this is his workshop and stores his boat gas, life jackets, fishing gear, etc. There was a door on the shop with boat rails going down. This structure is not wide enough to store a boat.
- E. Board member *Pollock* asked if this vote comes out in a tie what is this notion that the variance could be approved in 60 days? Board member *Coombe* stated a tied vote is the same as a "no" vote. Board member *Pollock* asked if there are two failed votes on denials, could the variance be approved after 60 days. Board member *McKenzie* asked if there are two failed votes, could the variance be denied?
- F. *Donald Rigney* stated there could be a condition added to any motion for approval that the setback could be maximized to the greatest extent possible and no closer than x number of feet from the shoreline. The dwelling was marked at 27 feet from the septic area. The dwelling could be located 20 feet from a septic drainfield. There is an option.
- G. Board member *Pollock* stated his motion is for the dwelling to meet the 100 foot setback and be compliant. The applicant, architect, and designer will have to work together to meet the rules and regulations. The motion was reworded to maximize the setbacks. The applicant needs to work on this and not just come back with the same request without working on this.
- H. Board member *Coombe* stated there is seven feet of wiggle room to move the structure back while keeping the setback between an occupied dwelling and the septic drainfield at 20 feet. The applicant should not have to dig up and move the mound because that would be expensive. Would it hurt the Board to have an occupied structure located 60 feet from the shoreline? Board member *Pollock* stated there is a motion on the floor. He does not want to tell the applicant this is what they have to meet. Board member *Werschay* stated that is not true and the motion maker is telling the applicant what to do. Board member *Pollock* stated he did not; he was telling the applicant to work with the architect and designer to come up with a design that maximizes setbacks that would satisfy the Board.
- I. Donald Rigney set a small recess to contact the St. Louis County Attorney's Office to interpret what will happen after two failed votes on denials. Upon returning, Donald Rigney relayed from Tom Stanley, St. Louis County Attorney's Office, that the burden of proof for a variance lies on the applicant. If there were multiple motions that did not approve the variance, then it would be considered a denial. From MN Statute 15.99, Subd. 2 (c): "When a vote on a resolution or properly made motion to approve a request fails for any reason, the failure shall constitute a denial of the request provided that those voting against the

- motion state on the record the reasons why they oppose the request. A denial of a request because of a failure to approve a resolution or motion does not preclude an immediate submission of a same or similar request."
- J. Board member *Coombe* stated this makes no sense when the motion is to deny.
- K. Board member *Werschay* stated the Board has two options. They can withdraw the motion, table the decision for another month, and extend the variance application from 60 days to 120 days. The other option is to clarify the existing motion on the table and vote on that motion. Board member *Pollock* elected to not withdraw his motion.

DECISION

Motion by Pollock/Manick to deny a variance to allow a replacement principal dwelling at a reduced shoreline line setback and to exceed the allowed structure width facing the water without prejudice in order for the applicant to design a structure to maximize the shoreline setback to the greatest extent and minimize the structure width facing the water to meet current Ordinance standards. If the applicant cannot meet the required shoreline setback or reduce the width of the structure facing the water, the applicant would have to come back with justifiable criteria from the septic designer and building architect as to why these requirements cannot be met.

In Favor: Filipovich, Manick, McKenzie, Pollock, Werschay - 5

Opposed: Coombe - 1

Motion carried 5-1