

## AGENDA

THE **BOARD OF ADJUSTMENT** WILL ASSEMBLE FOR A HEARING OF APPEALS FROM THE AITKIN COUNTY ZONING ORDINANCE ON May 1, 2024 **AT 4:00 P.M.** IN THE **AITKIN COUNTY GOVERNMENT CENTER BOARD ROOM, 307 SECOND STREET NW, AITKIN, MN 56431**. THE FOLLOWING APPLICATIONS WILL BE REVIEWED.

1. Call the meeting to order.
2. Roll call.
3. Approve the agenda for the May 1, 2024 Board of Adjustment meeting.

### **Old Business:**

**4. SUSAN WARD, 14232 TAMARACK ST NW, ANDOVER, MN 55304**, is requesting a variance from the required 75 foot ordinary high water level setback on a general development lake (Minnewawa) to a setback distance of 70 feet to construct a 1344 square foot residence, in an area zoned shoreland. W 100 FT OF LOT 3 LESS S1410 IN C. T. #1088, Section Twenty-eight (28), Township Forty-nine (49), Range Twenty-three (23), Aitkin County, MN.

**APP-2023-000499**

### **New Business:**

**5. NICHOLAS & STEPHANIE REYNOLDS, 1015 DRAKE CT, INDEPENDENCE, MN 55359**, are requesting an after the fact variance from Section 5.22 (G) of the Shoreland Management Ordinance for an 800 square foot patio, in an area zoned shoreland. PT LOT 3 AS IN DOC 353675. Section Nine (9), Township Forty-nine (49), Range Twenty-three (23), Aitkin County, MN.

**APP-2024-000801**

**6. KEN J & BARBARA L HANSEN, 10100 BURNT STORE RD #69, PUNTA GORDA, FL 33950**, are requesting a variance from the required 75 foot ordinary high water level setback on a general development lake (Mille Lacs) to a setback distance of 53 feet for a replacement septic, in an area zoned shoreland. LOT 8 HENRY'S ESTATES. Section Thirty-two (32), Township Forty-four (44), Range Twenty-five (25), Aitkin County, MN.

**APP-2024-000917**

**7. THOMAS & TAWNIA PRIOR TRUSTEES, 4067 EAKEN AVE SE, DELANO, MN 55328**, are requesting a variance from the required 100 foot ordinary high water level setback on a recreational development lake (Gun) to a setback distance of 80 feet to construct an 8 foot by 24 foot residence addition on an existing nonconforming residence located 80 feet from the ordinary high water level, in an area zoned shoreland. LOT 1 AS IN DOC 359998. Section Sixteen (16), Township Forty-eight (48), Range Twenty-five (25), Aitkin County, MN.

**APP-2024-000994**

**8. TERRY FOLLEN & JUDITH KIND, 5524 27TH AVE S, MINNEAPOLIS, MN 55417,** requesting a variance from the required 100 foot ordinary high water level setback on a recreational development lake (Cedar) to a setback distance of 80 feet to construct a 4400 square foot residence; and a variance from the required 75 foot ordinary high water level setback to a setback distance of 65 feet for a mound septic, in an area zoned shoreland. 7.07 AC OF (NW NW) LOT 4 IN DOCS #243745 & 261981. Section Seven (7), Township Forty-six (46), Range Twenty-seven (27), Aitkin County, MN.

**APP-2024-001011**

**9. JOHN & AIMEE HULSING, 7195 GUNFLINT TRAIL, CHANHASSEN, MN 55317,** requesting a variance from the required 100 foot ordinary high water level setback on a recreational development lake (Farm Island) to a setback distance of 55 feet and a variance from the required 30 foot road right-of-way setback to a setback distance of 20 feet to construct a 1334 square foot residence addition and a 375 square foot covered deck on an existing nonconforming structure located 55 feet from the ordinary high water level, in an area zoned shoreland. PART OF GOVT LOT 5 (1.00 AC) AS IN DOC 478565. Section Twenty-eight (28), Township Forty-six (46), Range Twenty-seven (27), Aitkin County, MN.

**APP-2024-001041**

**10. HAGMAN ENTERPRISES LLC, 33740 HWY 47, AITKIN, MN 56431,** requesting a variance from the required 50 foot State Hwy right-of-way setback to a setback distance of 97 feet and a variance from the required 30 foot township road right-of-way setback to a setback distance of 36 feet to construct a 14 foot by 32 foot addition on an existing non-conforming commercial building located 6 feet from the State Hwy right-of-way and 14 feet from the township road right-of-way; and a variance from the 35% maximum allowed impervious surface coverage to a coverage of 43.1%, in an area zoned farm residential. NW 1 AC OF LOT 4. Section Four (4), Township Forty-five (45), Range Twenty-five (25), Aitkin County, MN.

**APP-2024-001045**

**11. LEE & DEEANN KINGSLEY, 48624 384TH PLACE, PALISADE, MN 56469,** are requesting a variance from the required 100 foot ordinary high water level setback on a recreational development lake (Round) to a setback distance of 72 feet to construct a 2919 square foot residence, in an area zoned shoreland. LOT 5 AL-GLADO. Section Twenty (20), Township Forty-nine (49), Range Twenty-six (26), Aitkin County, MN.

**APP-2024-001049**

**12. SCOTT BECK CONSTRUCTION INC, 23400 450TH AVE, AITKIN, MN 56431,** requesting a variance from the required 100 foot ordinary high water level setback on a recreational development lake (Big Pine) to a setback distance of 89 feet to construct a 868 square foot deck and a 315 square foot second story deck, in an area zoned shoreland. LOT 11 LESS W 26 FT, LOT 12, AND LOT 13 LESS E 32 FT. Section Twenty-nine (29), Township Forty-five (45), Range Twenty-seven (27), Aitkin County, MN.

**APP-2024-001061**



- 13. Approval of minutes, April 3, 2024.**
- 14. Adjourn.**

## **AITKIN COUNTY ZONING**

**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	29-0-019824	19926 508TH LN MCGREGOR MN 55760	SHAMROCK TWP	PT LOT 3 AS IN DOC 353675 (TRACT J-2)		S:9 T:49 R:23	GD	BIG SANDY LAKE	REYNOLDS, NICHOLAS & STEPHANIE	REYNOLDS, NICHOLAS & STEPHANIE
Driving directions to the proposed project from Aitkin:	169 North 210 East Hwy 65 North out of McGregor Go east on Cty Rd 14 at Sathers Gas Station 202 North Take a left on 508th ln to cabin. Last one on the LEFT / T in the road									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									

**Detailed Narrative**

Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):	See attached.
Attach prepared narrative here:	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: <a href="#">3.12.2024_Letter.docx</a></p> <p>File 2: <a href="#">Nick_Reynolds_2FEB24.pdf</a></p> <p>File 3: <a href="#">Reynolds_Patio.pdf</a></p> <p>File 4: <a href="#">Westwood_Engineering_patio_stormwater.pdf</a></p> </div>
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	Shoreland Management Ordinance 5.22 (G) Item #6
Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner	<u>No</u>

**Supplemental Data**

Attach completed form here:	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: <a href="#">SupplementalData.pdf</a></p> </div>
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### A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
Attach a Scaled Drawing or Survey:	<p>File 1: <a href="#">ExhibitAofficialSurvey.pdf</a></p> <p>File 2: <a href="#">ReynoldsSite7.20.21REV.pdf</a></p>

### Certificate of Septic Compliance

Please attach a copy of one of the following: - A current compliance inspection on the existing septic system. - A design for a new/replacement septic system.	<p>File 1: <a href="#">Receipt_2021-08-10_110526-Nick_Reynolds2.0.pdf</a></p>
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### Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:	<p>File 1: <a href="#">Worksheet.pdf</a></p>
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**Standard Erosion Control Plan**

Attach the completed Standard Erosion Control Plan here:	File 1: <a href="#">Westwood_Engineering_patio_stormwater.pdf</a>
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**Property Deed**

Attach the property deed(s):	File 1: <a href="#">Deed.pdf</a>
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**Terms**

**General Terms**

<p>The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.</p>
<p>Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.</p>
<p>I acknowledge that by submitting this application, the application and its attachments are public information.</p>

## Invoice #59410 (03/12/2024) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 02/05/2024 2:28 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 02/05/2024 2:28 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 03/12/2024</b>
			<b>\$696.00</b>
			<b>Due</b>
			<b>\$0.00</b>

## Approvals

Approval	Signature
Applicant	Nick Reynolds - 03/12/2024 12:13 PM 81fed0b27be94cf44b8ab7320d5b5b1c 2c2cbc8ee50e2f85a0bd5c41003e43c4
#1 Admin	Kim Burton - 03/13/2024 10:33 AM afefebea46bc470bf97e5b1cc2c126436 30514b3f8dbb3ee38e331d447bbe4f51
#2 Board of Adjustment	

Public Notes

Text:	<div style="border: 1px solid black; height: 300px;"></div>
File(s):	<div style="border: 1px dashed black; height: 20px;"></div>

Admin Checklist

This review has been started by:	Kim Burton ▼
Zoning District of project location:	Shoreland ▼
Project located in the floodplain?	No ▼
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	Yes ▼
Is this an after-the-fact application?	Yes ▼

Numbers

	Current Number	Next from Sequence
<b>UID #</b>	209930	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-000801"/>	<input type="button" value="««"/> App-2024-000832
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0109

Print View



**Aitkin County Environmental Services Planning and Zoning**  
**307 Second Street NW**  
**Room 219**  
**Aitkin, MN 56431**  
Phone: 218-927-7342  
Fax: 218-927-4372



February 2, 2024

Nick Reynolds  
1015 Drake Court  
Independence, MN 55359

Dear Mr. Reynolds:

Thank you for your email dated November 17, 2023 and our subsequent discussions regarding bringing into compliance (for size), your lakeside patios. As we spoke on the phone, the “spirit and intent” of the Shoreland Management Ordinance 5.22 (G) is that all six items be met in order to build a patio. I have visited your property, reviewed your current patios, as well as discussed this patio with my predecessor and former Planning & Zoning Administrator, the Wetland Specialist/Compliance Officer and our Assistant Zoning Administrator.

I assure you our entire team at Aitkin County Environmental Services / Planning & Zoning attempts to work with all property owners in a positive manner, treat all property owners fairly, and finally offer feasible options for all property owners, of course which are allowed within the limits of our ordinances.

As we spoke on the phone, it appears that you have met most of the conditions of the Shoreland Management Ordinance 5.22 (G), but unfortunately the #1 condition you have not: “no larger than 2 square feet per lineal feet of lot width”:


- 1) *Shall be no larger than 2 square foot per lineal foot of lot width, and*
  - 2) *The patio must be setback from the ordinary high water (OHW) level of at least 10 feet, and*
  - 3) *The area between the patio and the OHW level must be in native vegetation or grass cover or natural or not mowed,*
  - 4) *The patio runoff must not drain towards the water body.*
  - 5) *Patios must be located within the open area as described in 5.31, B(2)c. If the patio is located outside this area it must be located where there is a 25 foot unmowed vegetated buffer between the lake and patio or outside the shore impact zone, and*
  - 6) *Maximum size of a patio and any other water oriented structures shall not exceed a combined square footage of 400 sq.ft. on a Natural Environment Lake and 600 sq.ft. on a General Development Lake or Recreation Development Lake.*
- For all patios within the building setback distance from the OHW that exceed 240 sq.ft. in area, a stormwater management plan must be developed (by a licensed engineer in the State of Minnesota, or a soil and water district trained staff or a licensed landscape architect) and constructed to treat the runoff from the patio.*

It appears that the lot width on the lake side of your property is 153 feet. Thus, 153 feet times 2 square feet equals 306 square feet for maximum patio size allowed. Anything more than 306 square feet would require a variance, because it is more than the "official controls" currently allow. As a staff we would request that you move forward with one of these three options with **deadline for compliance to be on June 1, 2024:**

1. Apply for an "after-the-fact" variance from the Board of Adjustment, which requires of you the petitioner, to provide an argument for a "practical difficulty" to keep your estimated 800 square foot patios.
2. Downsize the patios to the allowed 306 total square foot maximum size and apply for an after-the-fact land use permit which would be a \$150.00 times an after-the-fact fee (5X), totaling \$750.00.
3. Remove both patios and re-vegetate the area to include an approved restoration plan submitted to Aitkin County Planning & Zoning.

I thank you in advance for your understanding of where we as a Planning and Zoning staff have to enforce shoreland regulations.

Respectfully,



Andrew Carlstrom  
Environmental Services Director/Planning & Zoning Administrator  
307 2<sup>nd</sup> Street NW Room 219  
Aitkin, MN 56431  
Phone: 218-927-7342

Cc: County Attorney Jim Ratz



8/18/23, 9:23 AM





8/18/23, 9:23 AM





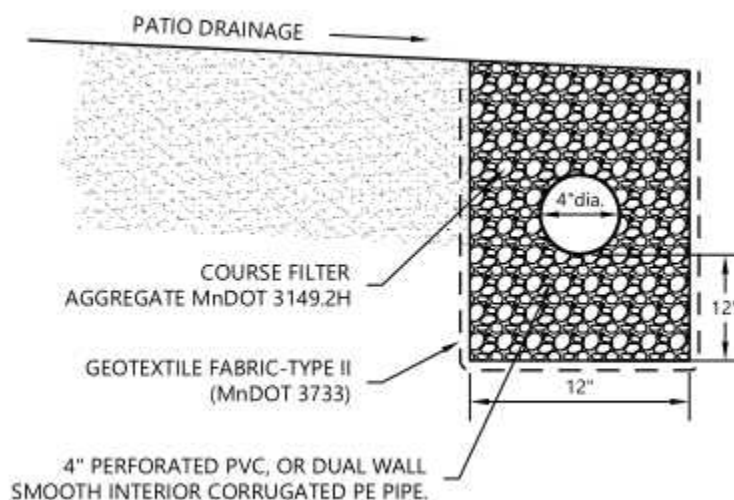
## MEMORANDUM

Date: June 28, 2023  
Re: Reynolds Cabin Stormwater Plan  
File 0045314.00  
To: Nick Reynolds  
From: Gretchen Schroeder, P.E.

This memo summarizes the stormwater management plan for the proposed patio at 19926 508th Lane in McGregor, MN. The patio is within the building setback and exceeds 240 sf, which requires treatment of the runoff from the patio.

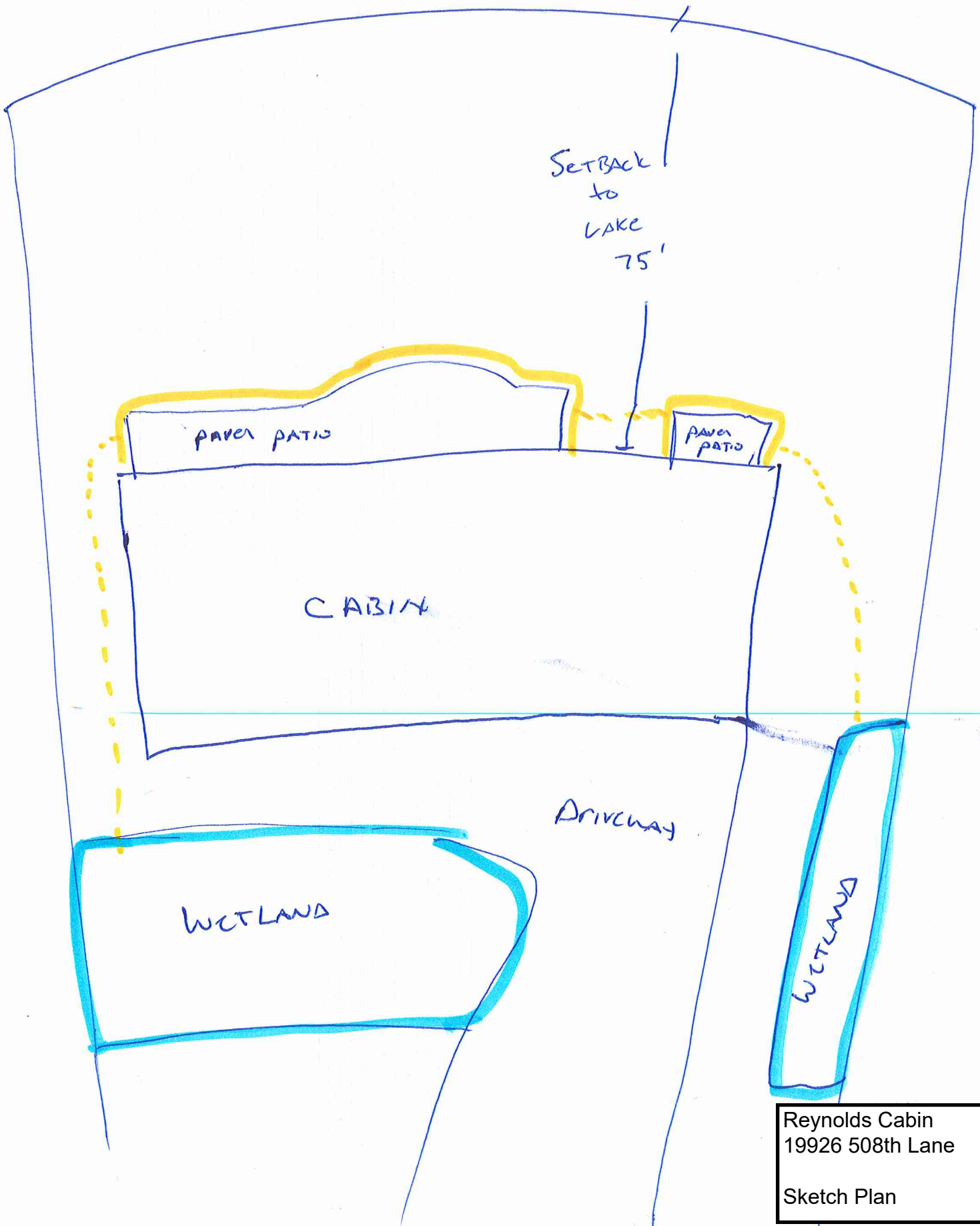
The proposed stormwater management plan is to infiltrate 1" of runoff from the patio area. The proposed patio area is approximately 960 SF, resulting in a required infiltration volume of 80 CF. This can be achieved by 80 linear feet of French drain at the perimeter of the patio that is 1' wide and has storage of 1' below the proposed draitile. The draitile will discharge around the cabin and daylight at the wetlands in front of the cabin. See the attached sketch plan indicating the patio and proposed draitile.

Detail for the proposed French drain (solid yellow on the Sketch Plan):



The elevation of the patio is slightly below the cabin finished floor of 1224.9. The groundwater elevation is approximately 1216 based on the OHWL of the lake. With the draitile invert at 1223.4 and bottom of the trench at 1222.4, there is sufficient separation from the groundwater to allow infiltration into the loamy sand soils.

LAKE



Reynolds Cabin  
19926 508th Lane  
Sketch Plan

# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

**Aitkin County Environmental Services**  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

## **Section 1 – New Structure(s)**

Check all that apply and fill in requested information:

- |  |  |                |
|--|--|----------------|
| <input type="checkbox"/> Basement          | <input type="checkbox"/> One Story Level             | <b>X PATIO</b> |
| <input type="checkbox"/> Crawlspace        | <input type="checkbox"/> Story-and-a-Half Level      |                |
| <input type="checkbox"/> Walk-out Basement | <input type="checkbox"/> 2 <sup>nd</sup> Story Level |                |

Proposed # of Bedrooms \_\_\_\_\_ Proposed Structure Height \_\_\_\_\_ ft.

Existing Total Building Coverage \_\_\_\_\_% Proposed Total Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

**800 ± S.F PATIO**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) \_\_\_\_\_

____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
____ Property Line	Proposed Setback _____ ft.
____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
____ Bluff	Proposed Setback _____ ft.
____ Other: _____	Proposed Setback _____ ft.

### **Section 2 – Alteration(s) to Existing Nonconforming Structure(s)**

Check all that apply and fill in requested information:

**Existing Structure**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

**Proposed Addition(s)**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height _____ ft.	Proposed Addition(s) Height _____ ft.
Existing # of Bedrooms _____	Final # of bedrooms after remodel _____
Existing Building Coverage _____%	Proposed Building Coverage _____%
Existing Total Impervious Surface Coverage _____%	Proposed Total Impervious Surface Coverage _____%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

### **Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

### **Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

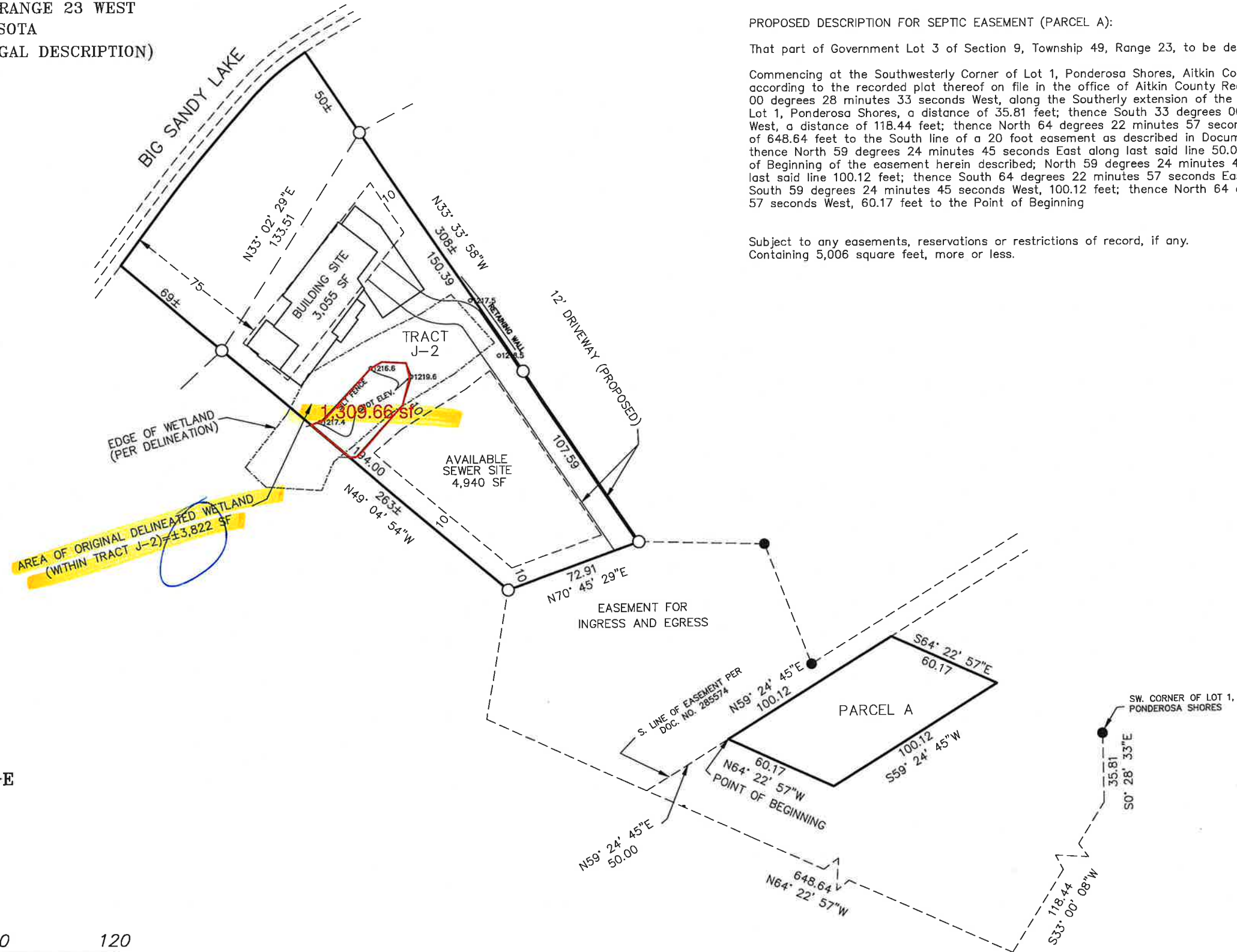
### **Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	

# CERTIFICATE OF SURVEY

SECTION 9, TOWNSHIP 49 NORTH, RANGE 23 WEST  
 AITKIN COUNTY, MINNESOTA  
 (SEE DOCUMENT NO. 353675 FOR LEGAL DESCRIPTION)



## PROPOSED DESCRIPTION FOR SEPTIC EASEMENT (PARCEL A):

That part of Government Lot 3 of Section 9, Township 49, Range 23, to be described as follows:

Commencing at the Southwesterly Corner of Lot 1, Ponderosa Shores, Aitkin County, Minnesota, according to the recorded plat thereof on file in the office of Aitkin County Recorder; thence South 00 degrees 28 minutes 33 seconds West, along the Southerly extension of the Westerly Line of said Lot 1, Ponderosa Shores, a distance of 35.81 feet; thence South 33 degrees 00 minutes 08 seconds West, a distance of 118.44 feet; thence North 64 degrees 22 minutes 57 seconds West, a distance of 648.64 feet to the South line of a 20 foot easement as described in Document No. 285574; thence North 59 degrees 24 minutes 45 seconds East along last said line 50.00 feet to the Point of Beginning of the easement herein described; North 59 degrees 24 minutes 45 seconds East along last said line 100.12 feet; thence South 64 degrees 22 minutes 57 seconds East, 60.17 feet; thence South 59 degrees 24 minutes 45 seconds West, 100.12 feet; thence North 64 degrees 22 minutes 57 seconds West, 60.17 feet to the Point of Beginning

Subject to any easements, reservations or restrictions of record, if any.  
 Containing 5,006 square feet, more or less.



- DENOTES FOUND IRON MONUMENT
- SET 1/2" REBAR WITH RLS CAP STAMPED "STANG 52591"



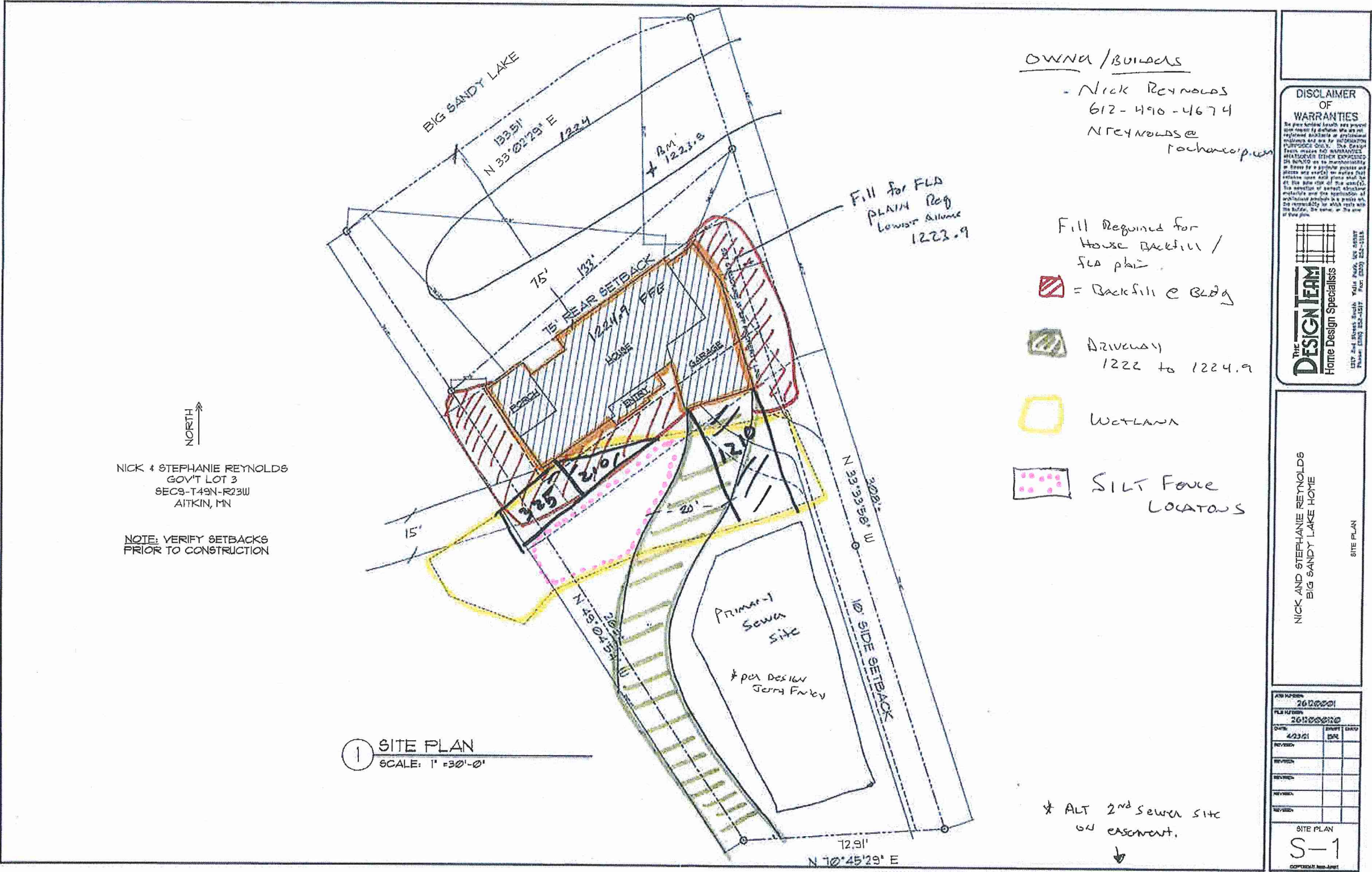
NICK REYNOLDS  
 GOV'T LOT 3  
 SEC9-T49N-R23W  
 AITKIN COUNTY, MN

JOB#:	23251	DRAWN BY:	TJB
FILENAME:	23251.dwg		
REV#	DESCRIPTION	DATE	

I HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

MICHAEL A. STANG (LIC. NO. 52591)

DATE:



Reynolds Attachment #1  
 (Note: The black markings indicate approximate areas of wetland fill allowance. Boundaries are flagged on site.)



# University of Minnesota Site Evaluation Form 5/16/2005



Property Owner(s) Nicholas & Stephanie Reynolds Phone Number 612-490-4674  
 Address TBD on 508th. Lane McGregor, MN. 55760 3 Bedroom mound design.  
 P.I.D. 29-0-019824 Section \_\_\_\_\_ Township 49 N Range 23  
 Date 4/26/2021 Time 9:00 AM Weather conditions sunny and clear

**Location Information**  new system  dwelling  replacement system  
 (check all that apply)  holding tank  other establishment  new home construction

**Homeowner Information**

No. of bedrooms (if applicable) 3 bedrooms (includes possible additions)  
 No. of residents in home 2 adults  children  
 Estimated flow 450 gpd  
 Well casing depth to be drilled deep well feet Discharge location if checked \_\_\_\_\_  
 Water using devices (check)  Garbage disposal  Water softener \_\_\_\_\_  
 Dishwasher  Sump pump \_\_\_\_\_  
 Large bathtub  High eff. furnace \_\_\_\_\_  
 Laundry/large tub on 2nd floor  Jucuzzi/hottub \_\_\_\_\_  
 Water use concerns (check)  Toilet/faucet leaks  Max load laundry/day  Long term prescription medications  
 Home business  Lint screen  Antibact. soap  Frequent parties or out of town guests

**Soil Data**

Soil texture classification: sandy loam  
 Unnatural soil (check)  Yes  No  
 Type of observation (check)  Probe  Pit  Boring  
 Parent material (check)  Till  Outwash  Loess  Bedrock  Alluvium  
 Vegetation type (check)  Wet  Dry  Unknown  
 Slope form (check)  Summit  Shoulder  Back  Foot  Toe  
 Drainage (check)  Good  Fair  Poor  Ponding  Flooding  
 Located in floodplain (check)  Yes  No

Soil Survey Data	Soil #1	Soil #2
Map unit sym & name	D458B	
Landscape position		
Flooding		
Slope		
Watertable depth		
Bedrock depth		
Possible system depth		
Texture at depth		
Permeability (P)		
Perc(MPI) = 60 / P		
NRCS onsite suitability		

**Site Summary Data**

Standing water: n/a inches  
 Bedrock: n/a inches  
 Saturated soil: 30" inches  
 Maximum depth of system: plus 12" inches  
 Max elevation at system bottom: 101 feet  
 Soil sizing factor (SSF): 1.27 gpd/ft<sup>2</sup>  
 Linear loading rate (LLR): 0.79 gpd/ft  
 Was a perc test done?  Yes  No \_\_\_\_\_ mpi

**Soil Boring Data**

Boring 1		Elevation:		Location:	
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence	
0-4"	top soil	10yr 3/2	s.g.	loose	
4-18"	loamy sand	10 yr 4/6	s.g.	loose	
18-30"	loamy sand	10 yr 4/4	s.g.	loose	
	mottles @ 30"				

Boring 2		Elevation:		Location:	
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence	
1-3"	top soil	10 yr 3/2	s.g.	loose	
3-28"	loamy sand	10 yr 4/4	s.g.	loose	
	mottles @ 28"				

Boring 3 Elevation: _____ Location: _____				
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence
0-5"	top soil	10 yr 3/2		
5-24"	loamy sand	10 yr 4/4		
	no mottles @ 24"			

Boring 4 Elevation: _____ Location: _____				
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence
0-2"	top soil	10 yr 3/2		
2-24"	sandy loam	10 yr 4/4		
	No mottles @ 24"			

Boring 5 Elevation: _____ Location: _____				
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence

Boring 6 Elevation: _____ Location: _____				
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence

# Site Elevations:

Bench Mark = 100.0  
 Outlet of House = 98.0  
 Inlet of Tank = 97.0  
 Top of Pump = 94.0  
 Pipe @ Dist. Fld. = 101.0

List any construction issues: \_\_\_\_\_

## Mapping Checklist

Map scale: \_\_\_\_\_ indicate north \_\_\_\_\_ show slope \_\_\_\_\_ % direction \_\_\_\_\_

### Locate

- lot dimensions/property lines
- dwellings and other improvements
- existing and/or proposed system(s)
- replacement area
- unsuitable area(s)
- public water supply wells
- pumping access
- inner wellhead zone

### Easements

- phone
- electric
- gas

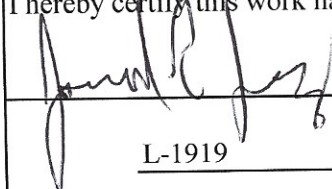
### Elevations

- borings
- benchmark
- perc tests
- horiz&vert reference pts

### Setbacks

- building
- all water wells within 100ft
- pressure pipe
- water suction pipe
- streams, lakes, rivers
- floodway and fringe

I hereby certify this work has been completed in accordance with all applicable ordinances, rules and laws.



(signature)

3/26/2021 (date)

L-1919

(license #)

218-839-4737

(phone number)





Job #

# University of Minnesota Mound Design Worksheet

## Greater than 1% Slopes

**A. FLOW**

Estimated  
or measured

450	gpd (see figure A-1)
	x 1.5 (safety factor) = <u>0</u> gpd

**B. SEPTIC TANK LIQUID VOLUMES**

Septic tank capacity  
Number of tanks/compartments  
Effluent Filter (yes/no)

1000	gallons (see figure C-1)
yes	

C-1 Septic Tank Capacity in Gallons			
Number of Bedrooms	Minimum Capacity	Capacity with Garb. Disp.	Capacity with Disp. and Lift
2 or less	750	1125	1500
3 or 4	1000	1500	2000
5 or 6	1500	2250	3000
7, 8 or 9	2000	3000	4000

**C. SOILS** (Site evaluation data)

1. Depth to restricting layer=
2. Depth of percolation tests =
3. Texture
4. Soil loading rate (see Figure D-33)
- Percolation rate
5. % Land Slope

2.0	feet
	inches
sandy loam	
0.79	gpd/ ft <sup>2</sup>
	MPI
3.0	%

**D. ROCK LAYER DIMENSIONS**

1. Multiply average design flow (A) by 0.83 to obtain required area of rock layer: Item A x 0.83=

450 gpd x 0.83 ft<sup>2</sup>/gpd = 380 ft<sup>2</sup>

2. Determine rock layer width = 0.83 ft<sup>2</sup>/gpd x Linear Loading Rate (LLR) (see LLR chart)

0.83 ft<sup>2</sup>/gpd x 12.00 = 10.0 ft

LLR Chart	
Perk Rate	LLR
<120 MPI	<=12
>=120 MPI	<=6

3. Length of rock layer = area divided by width =

380.0 ft<sup>2</sup> / 10.0 feet = 38.0 ft

**E. ROCK VOLUME**

1. Multiply rock area by rock depth to get cubic feet of rock

380.0 x 1.0 ft = 380.0 ft<sup>3</sup>

2. Divide ft<sup>3</sup> by 27 ft<sup>3</sup>/yd<sup>3</sup> to get cubic yards

380.0 ft<sup>3</sup> / 27 = 14.1 yd<sup>3</sup>

3. Multiply cubic yards by 1.4 to get weight of rock in tons;

14.1 yd<sup>3</sup> X 1.4 ton/yd<sup>3</sup> = 19.7 tons

F. ABSORPTION WIDTH

Absorption ratio:

1.5

1. Absorption width equals absorption ratio times rock layer width

1.50 x 10.0 ft = 15.0 ft

G. MOUND SLOPE WIDTH & LENGTH (Greater than 1%)

1. Downslope absorption width = absorption width minus rock layer width

15.0 feet - 10.0 feet = 5.0 ft

2. Calculate mound size

UPSLOPE

a. Depth of clean sand at upslope edge of rock layer = 3 feet minus distance to restricting layer(C1)

3.0 ft - 2.0 ft = 1.0 ft

b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot)

1 ft + 1ft + 1 ft = 3.0 ft

c. Upslope berm multiplier based on land slope (see figure D-34)

Selected berm multiplier:

3.70

d. Upslope width = berm multiplier(G2c) times upslope mound height(G2b):

3.70 x 3.0 ft = 11.1 ft

DOWNSLOPE

e. Drop in elevation = rock layer width (D2) times percent landslope(C5) / 100

10.0 ft x 3.0 % / 100 = 0.3 ft

f. Downslope mound height = depth of clean sand for slope difference (G2e) at downslope rock edge plus the mound height at the upslope edge of rock layer (2b)

0.3 ft + 3.0 ft = 3.3 ft

g. Downslope berm multiplier based on percent land slope (see Figure D-34)

Selected berm multiplier:

4.35

h. Downslope width = downslope multiplier(G2g) times downslope mound height(G2f)

4.35 x 3.3 = 14.4 ft

i. Select greater of G1 and G2h as the downslope width

14.4 ft

j. Total mound width is the sum of upslope (G2d) width plus rock layer width (D2) plus downslope width (G2i)

11.1 ft + 10.0 ft + 14.4 ft = 35.5 ft

k. Total mound length is the sum of upslope width (G2d) plus rock layer length (D3) plus upslope width (G2d)

11.1 ft + 38.0 ft + 11.1 ft = 60.2 ft

Final Dimensions (slope >1%) 35.5 ft x 60.2 ft

I hereby certify that all work has been completed in accordance with all applicable ordinances, rules & laws.

[Signature] (signature)

L-1919 (license #)

4-26-21 (date)



**H. SAND VOLUME**

1. Upslope Volume + Volume under rockbed + Downslope Volume

a. Upslope Volume:  $(\text{depth of clean sand} + 1) \times (\text{upslope berm}) \times (\text{mound length}) / 2 = \text{ft}^3$

$$\frac{2.0}{\text{ft}} \times 11.1 \text{ ft} \times \frac{60.2}{\text{ft}} / 2 = 668.2 \text{ ft}^3$$

b. Volume under rockbed:  $(\text{average depth of sand under rock}) \times (\text{rockbed width}) \times (\text{mound length}) = \text{ft}^3$

$$1.2 \text{ ft} \times 10.0 \text{ ft} \times 60.2 \text{ ft} = 692.3 \text{ ft}^3$$

c. Downslope Volume:  $(\text{depth of clean sand} + 1) \times (\text{downslope berm}) \times (\text{mound length}) / 2 = \text{ft}^3$

$$\frac{2.3}{\text{ft}} \times 14.4 \text{ ft} \times \frac{60.2}{\text{ft}} / 2 = 996.9 \text{ ft}^3$$

Total cubic feet: = 2357.4  $\text{ft}^3$

2. Divide  $\text{ft}^3$  by  $27 \text{ ft}^3/\text{yd}^3$  to get cubic yards

$$\frac{2357.4}{27} = 87.3 \text{ yds}^3$$

3. Multiply cubic yards by 1.4 to get weight of sand in tons

$$87.3 \text{ yds}^3 \times 1.4 = 122.2 \text{ tons}$$

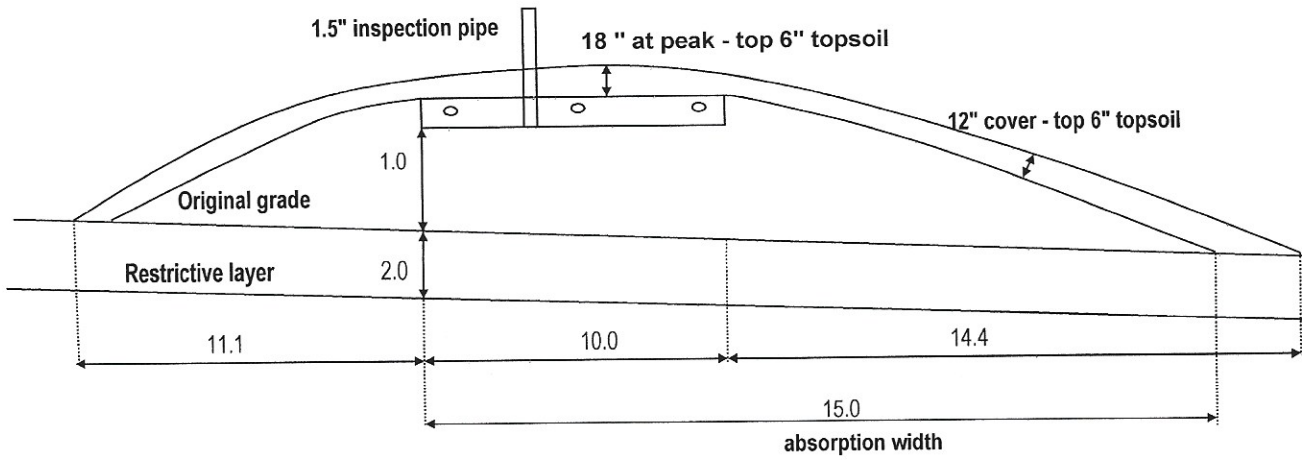
4. Add 10% for Constructability

$$122.2 \text{ tons} \times 1.1 = 134.5 \text{ tons}$$

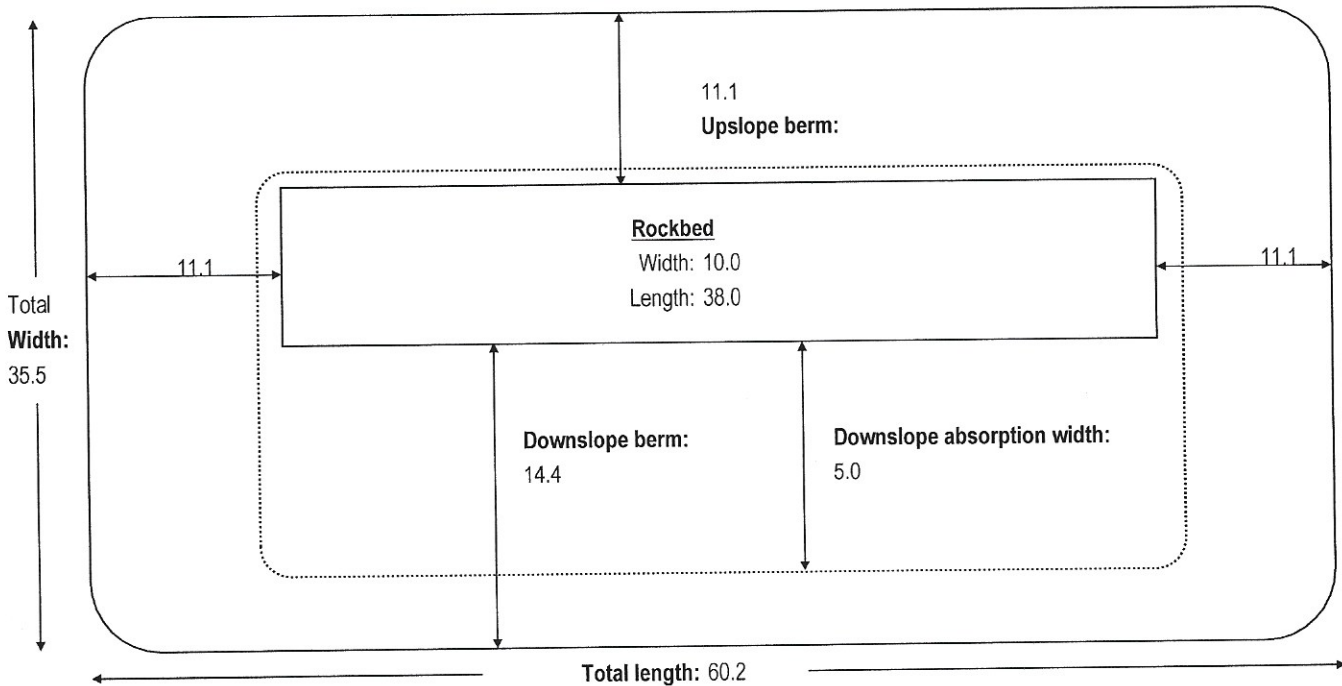
A-1 Estimated Sewage Flows in GPD				
No. of Bdrms	Class I	Class II	Class III	Class IV
2	300	225	180	60% of the values in the Class I, II or II columns
3	450	300	218	
4	600	375	256	
5	750	450	294	
6	900	525	332	
7	1050	600	370	
8	1200	675	408	

D-33 Absorption Width Sizing Table			
Perc Rate mpi	Soil Texture	Loading Rate gpd/sq ft	Absorption Ratio
<5	Coarse sand Loamy sand Med., Fine sand	1.20	1.00
6-15	Sandy loam	0.79	1.50
16-30	Loam	0.60	2.00
31-45	Silt Loam, Silt	0.50	2.40
46-60	Clay loam, Silty or Sandy Clay Loam	0.45	2.67
61-120	Silty or Sandy Clay or Clay	0.24	5
>120*			

\*Must be other or performance.



**Mound Detail: Land slope > 1%**



**Notes:**

Divert surface water away from mound.

# University of Minnesota Pump Selection Procedure - 10/25/04

All boxed rectangles must be entered, the rest will be calculated.



## 1. Determine pump capacity:

### A. Gravity Distribution

1. Minimum required discharge is 10 gpm
2. Maximum suggested discharge is 45 gpm

For other establishments at least 10% greater than the water supply rate, but no faster than the rate at which effluent will flow out of the distribution device.

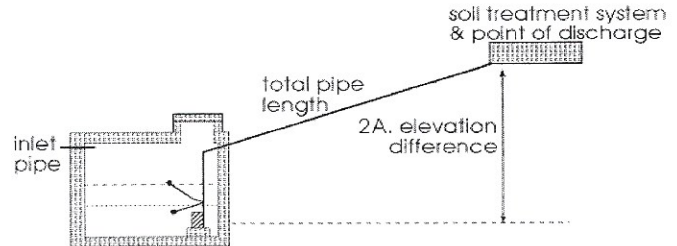
### B. Pressure Distribution - see pressure design worksheet

Selected Pump Capacity:  gpm

## 2. Determine Total Dynamic Head (TDH)

### A. Elevation difference between pump and point of discharge.

feet



### B. Special head requirement? (See Figure - Special Head Requirements)

feet

Special Head Requirements	
Gravity Distribution	0ft
Pressure Distribution	5ft

### C. Friction loss in supply pipe

1. Select pipe diameter  in

2. Enter Figure E-9 with gpm (1A or B) and pipe diameter (C1)

Read friction loss in feet per 100 feet from Figure E-9

Friction loss =  ft/ 100 ft of pipe

E-9 Friction Loss in Plastic Pipe per 100 ft			
Flow Rate (gpm)	nominal pipe diameter		
	1.5"	2.0"	3"
20	2.47	0.73	0.11
25	3.73	1.11	0.16
30	5.23	1.55	0.23
35	6.96	2.06	0.3
40	8.91	2.64	0.39
45	11.07	3.28	0.48
50	13.46	3.99	0.58
55		4.76	0.7
60		5.6	0.82
65		6.48	0.95
70		7.44	1.09

### 3. Determine total pipe length from pump discharge to soil system discharge point.

Estimate by adding 25 percent to pipe length for friction loss in fittings.

Pipe length times 1.25 = equivalent pipe length

ft x 1.25 =  feet

### 4. Calculate total friction loss by multiplying friction loss (C2)

by the equivalent pipe length (C3) and divide by 100.

Friction Loss =  ft/100ft X  ft / 100 =  feet

### D. Total head requirement is the sum of elevation difference (A), special head requirements (B), and total friction loss (C4).

ft +  ft +  ft

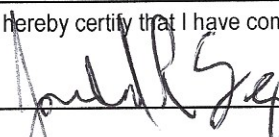
Total Head:  feet

## 3. Pump Selection

1. A pump must be selected to deliver at least  gpm (1A or B) with at least  feet of total head (2D).

*Zoehlen 152*

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

 (signature)  (license #)



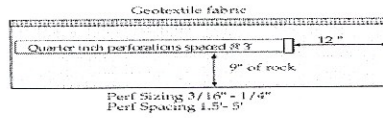
# University of Minnesota Pressure Distribution System Design - 10/25/04

All boxed rectangles must be entered, the rest will be calculated.

ONSITE  
SEWAGE  
TREATMENT  
PROGRAM



- Select number of perforated laterals:
- Select perforation spacing =  ft
- Since perforations should not be placed closer than 1 foot to the edge of the rock layer (see diagram), subtract 2 feet from the rock layer length  
 - 2 ft =  ft



- Determine the number of spaces between perforations.  
Divide the length (3) by perforation spacing (2) and round down to nearest whole number.  
Perforation spacing =  ft /  ft =

- Select perforation size  inch
- Number of perforations is equal to one plus the number of perforation spaces (4).  
\* Check figure E-4 to assure the number of perforations per lateral guarantees < 10% discharge variation.  
 spaces + 1 =  perforations/lateral

Perforation Spacing ft	Pipe Diameter			
	1 inch	1.25 inch	1.5 inch	2.0 inch
2.5	8	14	18	28
3.0	8	13	17	26
3.3	7	12	16	25
4.0	7	11	15	23
5.0	6	10	14	22

Perforation Spacing feet	Pipe Diameter			
	1 inch	1.25 inch	1.5 inch	2.0 inch
2.5	12	19	25	39
3	11	18	24	37
3.3	10	17	23	36
4	10	16	21	33
5	9	15	20	31

- A. Total number of perforations = perforations per lateral (5) times number of laterals (1).  
 perfs/ lat x  laterals =  perforations

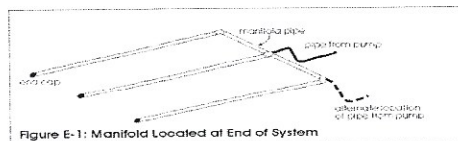
B. Calculate the square footage per perforation.  
Recommended value is 6-10 sqft/perf. Does not apply to at-grades.

- Rock bed area = rock width (ft) x rock length (ft)  
 ft x  ft =  ft<sup>2</sup>
- Square foot per perforation = Rock Bed Area / number of perfs (6)  
 ft<sup>2</sup> /  perfs =  ft<sup>2</sup>/perf

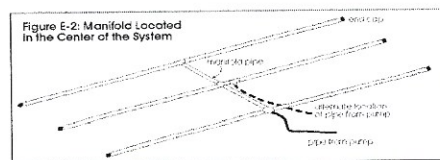
- Determine required flow rate by multiplying the total number of perforations (6A) by flow per perforations (see figure E-6)  
 perfs x  gpm / perfs =  gpm

Head (feet)	Perforations diameter (inches)		
	3/16	7/32	1/4
1 <sup>st</sup>	0.42	0.56	0.74
2 <sup>nd</sup>	0.59	0.80	1.04
5	0.94	1.26	1.65

a. Use 1.0 foot for single-family homes.  
b. Use 2.0 feet for anything else

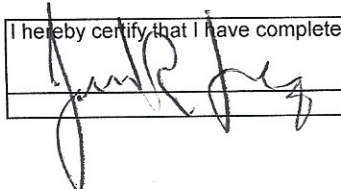


- Determine Minimum Pipe Size
- A. **Manifold on End.** If laterals are connected to header pipe as shown in Figure E-1, to select minimum required lateral diameter; enter figure E-4 or E-5 with perforation spacing and number of perforations per lateral. Select minimum diameter for perforated laterals =  inches



- B. **Center Manifold.** If perforated lateral system is attached to manifold pipe near the center, like Figure E-2, perforated lateral length (3) and number of perforations per lateral (5) will be approximately one half of that in step A. Using these values, select minimum diameter for perforated lateral =  inches

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

 (signature) L-1919 (license #) 4/26/2021 (date)

# FARLEY SEWER SYSTEMS

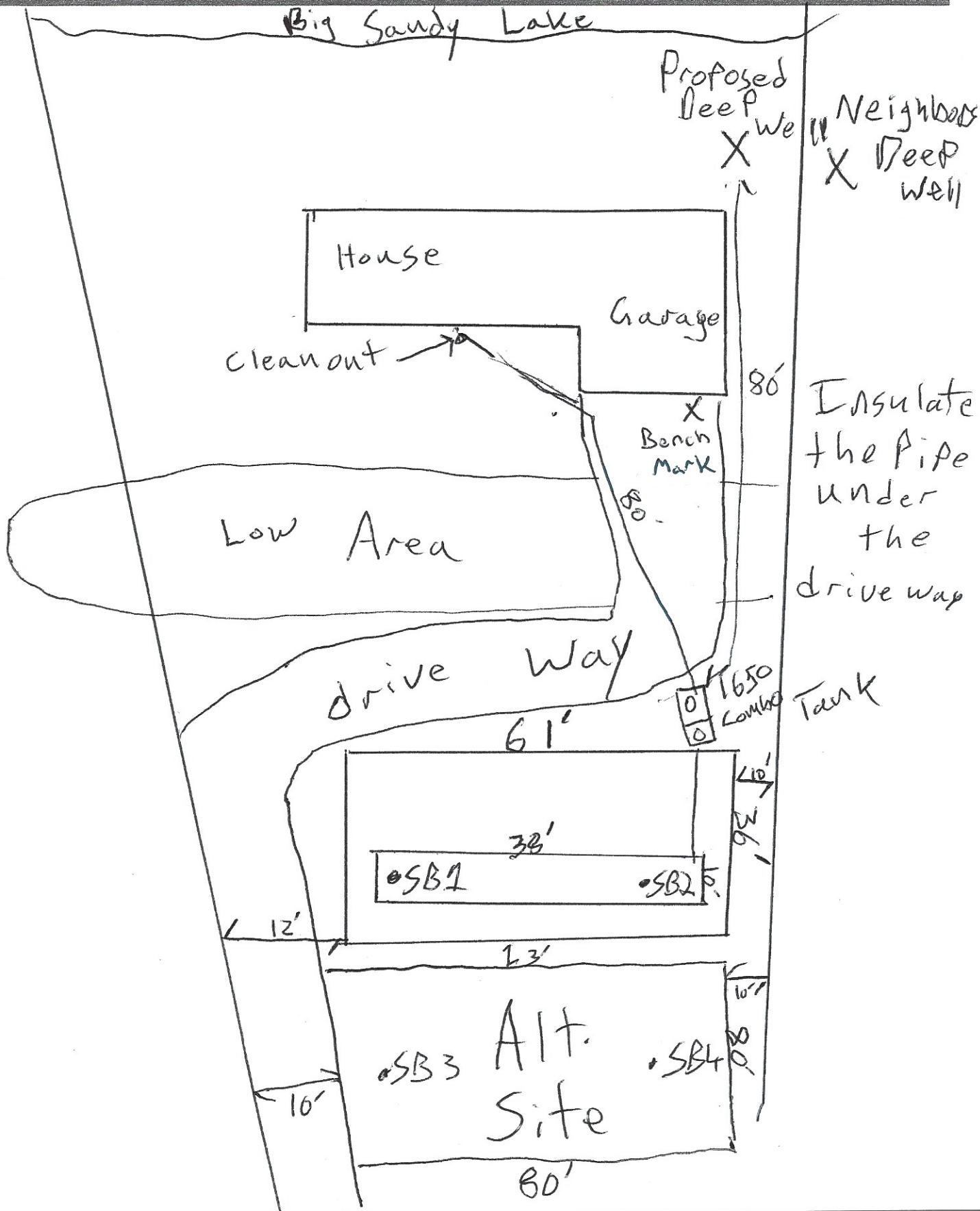
SEWER DESIGN & INSTALLATION

JAROLD R. FARLEY

P.O. Box 472  
McGregor, MN 55760

Bus. Lic. No. L1919  
Reg. No. 4744

218-839-4737 cell



# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW, Room 219  
Aitkin, Minnesota 56431

PH: (218) 927-7342  
FX: (218) 927-4372



## PART VI: VARIANCE APPLICATION

### “Aitkin County Shoreland Performance” Worksheet Instructions:

THIS  
APPLIES  
to

**Are you applying for a variance from the Aitkin County Shoreland Management Ordinance?** If so, you must complete the “Aitkin County Shoreland Performance” sheet. This is used as an attempt to evaluate your property and project as it relates to the required setbacks and the intent of the Ordinance to protect water quality, habitat and aesthetics. Your project will receive a ranking/score that relates to a “percentage” of compliance with the Department of Natural Resources guidelines and Aitkin County Ordinances.

NOT  
Apply  
to

**STEP 1:** Determine the level of non-conformance and score by completing 1-5 on the worksheet. The actual setback will be multiplied by the corresponding ‘score multiplier’ to determine your “Pre-mitigation Lot Score”.

A  
RATIO

**STEP 2:** Review the mitigation options and circle those that you would be willing to implement as a condition of your variance. See letters A-J.

\*As a note, if you will be creating a buffer zone or other landscape project as part of your mitigation plan, please be prepared to present an approved plan to the Board of Adjustment. Although not familiar with specifics of the “Aitkin County Shoreland Performance” worksheet, the Aitkin County Soil & Water Conservation District [SWCD] (218-927-7284) and the University of Minnesota Extension Master Gardeners (218-927-2538) may be resources that would be able to provide you with planting suggestions and landscaping ideas.

I did  
the rest  
I can  
to identify.

**STEP 3:** A final score is determined by adding your “Pre-mitigation Lot Score” with your “Mitigation Total”. *Please note, the property should obtain a score of 100 or more to meet performance standard requirements.*

After a practical difficulty has been determined, the Board of Adjustment may use the “Aitkin County Shoreland Performance” sheet submitted with your application and/or use their own completed sheet to attempt to mitigate impacts to the water-body and/or adjoining properties.

If you have any questions, please contact Aitkin County Environmental Services – Planning & Zoning at (218) 927-7342.



## AITKIN COUNTY SHORELAND PERFORMANCE (Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) ..... 1: \_\_\_\_\_
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) ..... 2: \_\_\_\_\_
- 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought ..... 3: \_\_\_\_\_
- 4) Enter the corresponding 'Score Multiplier' ..... 4: \_\_\_\_\_
- 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... 5: \_\_\_\_\_

PATIO ?

Reference Table: Performance Multipliers for structures, septics, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	(30' setback)	(10' setback)
Recreational Development Lake	100'	1.000	75'	1.333	3.33	10.000
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		

**Mitigation:** To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... **15 points** ✓ Yes
- Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... **30 points**
- B) Zone B: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **20 points** ✓ Yes
- C) Zone C: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **10 points**
- D) Construction of rain garden(s) to Wisconsin DNR Manual specifications ..... **20 points** ✓ Yes
- E) Removal of all other structures that do not meet the standard building setbacks, including water oriented structures ..... **20 points** N/A
- F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A) ..... **10 points**
- G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed ..... **10 points**
- H) Re-vegetate bluff or steep slopes\* and provide screening of structures from the lake. .... **10 points** ✓ Yes
- I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary ..... **10 points** ✓ Yes
- J) Existing conditions may apply on the property that warrant credit ..... **To be determined by P&Z**

**Final Score** = Pre-mitigation Lot Score (Line 5) \_\_\_\_\_ + Mitigation Totals (Lines A-I) \_\_\_\_\_ = \_\_\_\_\_

*\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years*

\_\_\_\_\_  
Board of Adjustment Chairperson

\_\_\_\_\_  
Applicant

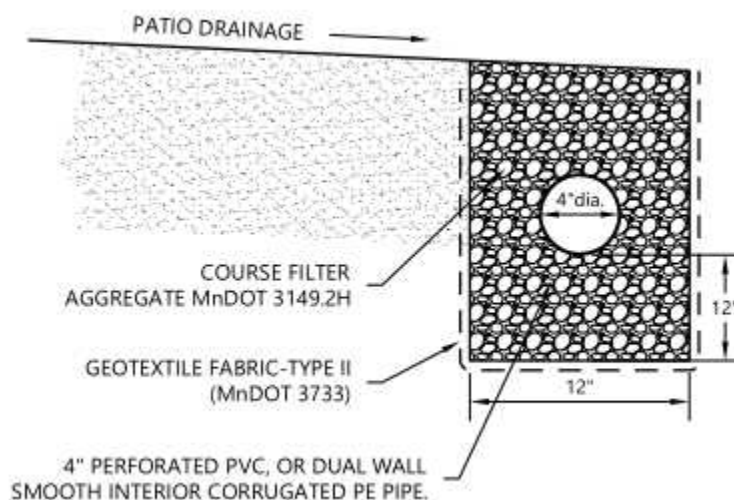
## MEMORANDUM

Date: June 28, 2023  
Re: Reynolds Cabin Stormwater Plan  
File 0045314.00  
To: Nick Reynolds  
From: Gretchen Schroeder, P.E.

This memo summarizes the stormwater management plan for the proposed patio at 19926 508th Lane in McGregor, MN. The patio is within the building setback and exceeds 240 sf, which requires treatment of the runoff from the patio.

The proposed stormwater management plan is to infiltrate 1" of runoff from the patio area. The proposed patio area is approximately 960 SF, resulting in a required infiltration volume of 80 CF. This can be achieved by 80 linear feet of French drain at the perimeter of the patio that is 1' wide and has storage of 1' below the proposed draitile. The draitile will discharge around the cabin and daylight at the wetlands in front of the cabin. See the attached sketch plan indicating the patio and proposed draitile.

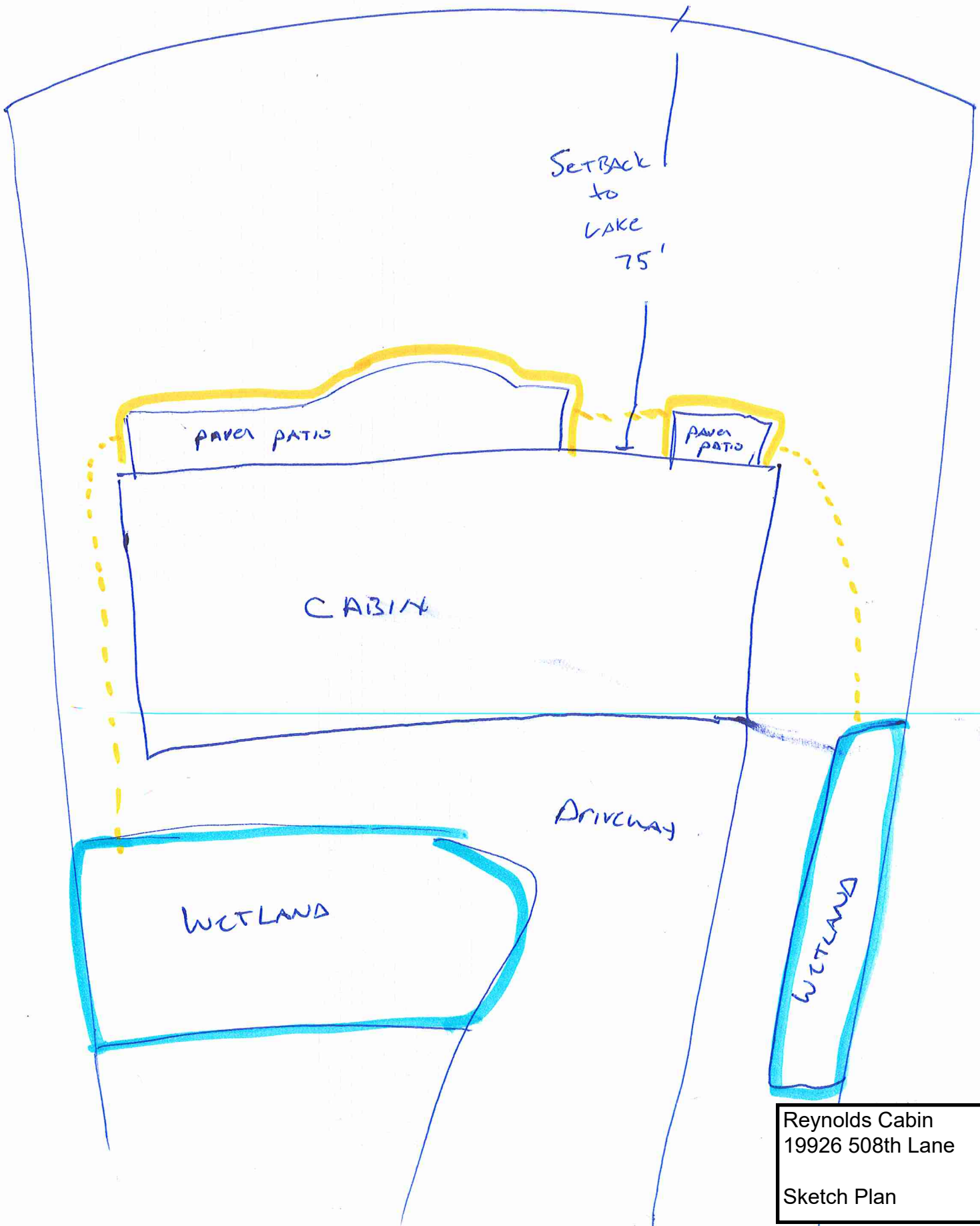
Detail for the proposed French drain (solid yellow on the Sketch Plan):



The elevation of the patio is slightly below the cabin finished floor of 1224.9. The groundwater elevation is approximately 1216 based on the OHWL of the lake. With the draitile invert at 1223.4 and bottom of the trench at 1222.4, there is sufficient separation from the groundwater to allow infiltration into the loamy sand soils.



LAKE



Setback  
to  
LAKE  
75'

PAVED PATIO

PAVED PATIO

CABIN

DRIVEWAY

WETLAND

WETLAND

Reynolds Cabin  
19926 508th Lane

Sketch Plan

CRV Filed  
Auditor's CRV # 48284  
No Delinquent Taxes and Transfer Entered  
Kirk Peysar, County Auditor  
State Deed Tax Paid  
Lori Grams, County Treasurer

Doc No: **A462059**

WAD 1/1

Certified Filed and/or Recorded on  
**2/2/2021 9:00 AM**

REC FEE	\$46.00
SDT	\$841.50
eCRV #	1202020

Office of the County Recorder  
Aitkin County, Minnesota  
Michael T. Moriarty, County Recorder

Package: **70421** Liz

*This cover sheet was added by the Aitkin County Recorder's Office to allow space for the recording information of this document. It is not intended to alter the document/certified copy.*

*This cover sheet is now a permanent part of the recorded document.*

---

## WARRANTY DEED

eCRV number: 1202020

STATE DEED TAX DUE HEREON: \$ 841.50

Date: December 30, 2020

FOR VALUABLE CONSIDERATION, **CATHERINE A. MICHAEL and DENNIS A. MICHAEL**, wife and husband, Grantors, hereby conveys and warrants to **NICHOLAS REYNOLDS and STEPHANIE A. REYNOLDS**, husband and wife, Grantees, as joint tenants, real property in Aitkin County, Minnesota, described as follows:

→ See attached **Exhibit A** for legal description.

THIS PROPERTY IS ABSTRACT.

Together with all hereditaments and appurtenances belonging thereto, including but not limited to, that certain Septic Easement granted in that Septic Easement Agreement dated December 16, 2020, subject to any easements, restrictions or reservations of record. EXCEPTING previously reserved minerals and/or mineral rights, if any.

The Grantor certifies that the Grantor does not know of any wells on the described real property.

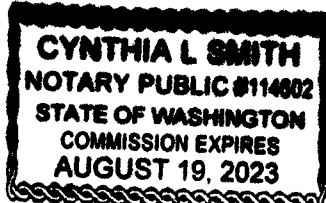
[signature on following page]

**GRANTEES:**

Catherine A. Michael  
CATHERINE A. MICHAEL

Dennis Michael  
DENNIS A. MICHAEL

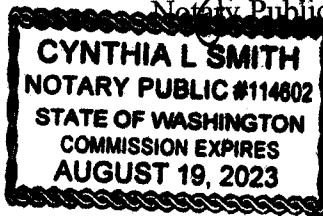
STATE OF WASHINGTON )  
 ) SS  
COUNTY OF KITSAP )



The foregoing instrument was acknowledged before me this 30<sup>th</sup> day of December, 2020, by CATHERINE A. MICHAEL, wife of DENNIS A. MICHAEL.

Cynthia L. Smith  
Notary Public

STATE OF WASHINGTON )  
 ) SS  
COUNTY OF KITSAP )



The foregoing instrument was acknowledged before me this 30<sup>th</sup> day of December, 2020, by DENNIS A. MICHAEL, husband of CATHERINE A. MICHAEL.

Cynthia L. Smith  
Notary Public

**THIS INSTRUMENT WAS DRAFTED BY:**

Fryberger, Buchanan, Smith & Frederick, P.A.  
302 W. Superior Street, Ste 700  
Duluth, MN 55802  
AAS

Tax Statements for the real property described in this instrument should be sent to:

Nicholas Reynolds  
1015 DRAKE CT  
Independence MN.  
55359

**EXHIBIT A**  
**Legal Description**

→ That part of Government Lot 3 of Section 9, Township 49, Range 23, to be described as follows:

Commencing at the Southwesterly Corner of Lot 1, Ponderosa Shores, Aitkin County, Minnesota, according to the recorded plat thereof on file in the office of the Aitkin County Recorder; thence South 00 degrees 28 minutes 33 seconds West, along the Southerly extension of the Westerly Line of said Lot 1, Ponderosa Shores, a distance of 35.81 feet; thence South 33 degrees 00 minutes 08 seconds West, a distance of 118.44 feet; thence North 64 degrees 22 minutes 57 seconds West, a distance of 660.61 feet, to a point hereby designated and hereafter referred to as POINT A; thence continuing North 64 degrees 22 minutes 57 seconds West, a distance of 79.42 feet; thence North 10 degrees 48 minutes 53 seconds East, a distance of 66.00 feet, to the actual point of beginning of the tract of land to be described; thence North 70 degrees 45 minutes 29 seconds East, a distance of 72.91 feet; thence North 33 degrees 33 minutes 58 seconds West, a distance of 285 feet, more or less, to the shoreline of Big Sandy Lake; thence Southwesterly, along said shoreline, to its intersection with a line bearing North 49 degrees 04 minutes 54 seconds West, from the actual point of beginning; thence South 49 degrees 04 minutes 54 seconds East, a distance of 260 feet, more or less, to the actual point of beginning.

Tract contains 0.64 acres, more or less.

→ Together with and Subject to a 20-foot wide perpetual easement for road purposes as described in Document No. 285574.

→ Together with and Subject to a perpetual easement for ingress and egress across a part of said Government Lot 3 to be described as follows:

Beginning at the above described POINT A; thence North 64 degrees 22 minutes 57 seconds West, a distance of 79.42 feet; thence North 10 degrees 48 minutes 53 seconds East, a distance of 66.00 feet; thence North 70 degrees 45 minutes 29 seconds East, a distance of 72.91 feet; thence South 88 degrees 23 minutes 53 seconds East, a distance of 66.02 feet; thence South 19 degrees 51 minutes 39 seconds East, a distance of 67.17 feet, to the centerline of said 20-foot wide perpetual road easement as described in Document No. 285574; thence South 30 degrees 35 minutes 15 seconds East, a distance of 10.00 feet; thence South 59 degrees 24 minutes 45 seconds West, a distance of 107.61 feet; thence North 64 degrees 22 minutes 57 seconds West, a distance of 12.03 feet, to the point of beginning.

Subject to easements, reservations, restrictions or ordinances now of record.

9-49-23  
PT GOVT LOT 3



Suite 200  
28 2<sup>nd</sup> St NW  
Osseo, MN 55369  
Office 763.559.9393  
Fax 763.559.8101

March 12, 2024

Aitkin County Board of Adjustments  
307 2<sup>nd</sup> Street NW  
Aitkin MN 56431

Dear Variance Board of Adjustments


I am requesting an after the fact Variance for a patio that was installed by True North Landscaping.

Finding of the facts

- Shoreline of approx. 153'
- Patio current size approx. 800' See pictures in attachments.

The hired civil engineer, landscaping contractor and home owner all understood the treatment of 100% of stormwater runoff was the option for exceeding the 240 SF.

This is the intent of the ordinance. Not doing this and removing patio will result in over 4,000 SF of hardscape run-off to drain directly into the lake. This is clearly not a good option for the watershed.



**Land Use Permits**

**Shoreland patios and sand blankets**

Patios within the required building setback to the lake require a land use permit.

- Patios outside of the required building setback are allowed without a permit given the lot has not exceeded the impervious surface amounts.

A patio will be allowed that meets the following:

1. Shall be no larger than 2 square foot per lineal foot of lot width
2. The patio must be setback from the ordinary high water (OHW) level of at least 10 feet.
3. Area between the patio and the OHW must be in vegetation.
4. Patio runoff must not drain towards the water body.
5. Patios must be within the open recreation area.
6. Maximum size of a patio and any other water oriented structures shall not exceed a combined square footage of 400 sq.ft. on a Natural Environment lake and 600 sq.ft. on a General Development lake or Recreational Development lake.

Patios within the building setback that exceed 240 sq.ft. in area, a stormwater management plan must be developed (by a licensed engineer in the State of Minnesota, or a soil and water district trained staff or a licensed landscape architect) and constructed to treat the runoff from the patio.

Aitkin County does not allow the placement of beach sand blankets; however, a sand patio would be allowed given that it meets all the patio requirements and has an issued land use permit.

**Water access and boat landings**

We collectively ask you review and understand this variance and situation.

The intent and current engineered plan is within the means of why this ordinance is written. We have a 100% stormwater management system designed to control ALL water run off from impacts made to this property.

Nick and Stephanie Reynolds  
19926 508<sup>th</sup> LN  
McGregor MN

CC:

True North Landscaping  
Via Email

Westwood Engineering.  
12701 Whitewater Dr  
Minnetonka MN 55341

**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	16-1-078500	16859 332nd PI ISLE, MN 56342	LAKESIDE TWP	LOT 8	HENRYS ESTATES	S:32 T:44 R:25	GD	MILLE LACS	HANSEN, KEN J & BARBARA L	HANSEN, KEN J & BARBARA L
Driving directions to the proposed project from Aitkin:	<p>Aitkin - Minnesota</p> <ol style="list-style-type: none"> <li>Head south toward 1st St NW (157 ft)</li> <li>Turn left onto 1st St NW (0.2 mi)</li> <li>Turn right onto US-169 S/Minnesota Ave N (0.4 mi)</li> <li>Turn left onto State Hwy 47 S/4th St SE Continue to follow State Hwy 47 S (26.1 mi)</li> <li>Turn right onto 170th Ln (0.2 mi)</li> <li>170th Ln turns left and becomes 332nd PI (0.2 mi)</li> </ol> <p>Destination will be on the right 16859 332nd PI Isle, MN 56342</p>									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									



**Detailed Narrative**

<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>Dig out and remove old gravity bed septic system. Install 3" washed sand and install PSI Bed Type III as designed on washed sand and cover 12" soil and seed.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>Shoreland Management Ordinance Section 5 for septic system setback distance</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>

**Supplemental Data**

<p>Attach completed form here:</p>	<p>File 1: <a href="#">supplemental-data.pdf</a></p>
------------------------------------	--

### A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
Attach a Scaled Drawing or Survey:	<p>File 1: <a href="#">Scaled_Drawing.pdf</a></p> <p>File 2: <a href="#">Survey_Map.pdf</a></p>

### Certificate of Septic Compliance

Please attach a copy of one of the following: - A current compliance inspection on the existing septic system. - A design for a new/replacement septic system.	<p>File 1: <a href="#">Replacement_Design.pdf</a></p>
--	---

### Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:	<p>File 1: <a href="#">shoreland-performance.pdf</a></p>
---	--

**Standard Erosion Control Plan**

Attach the completed Standard Erosion Control Plan here:	File 1: <a href="#">erosion-control-plan.pdf</a>
--	--

**Property Deed**

Attach the property deed(s):	File 1: <a href="#">Deed_-_AITKIN_COUNTY_-_REC-REAL_EST_-_290141.pdf</a>
------------------------------	--

**Terms**

**General Terms**

<p>The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.</p>
<p>Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.</p>
<p>I acknowledge that by submitting this application, the application and its attachments are public information.</p>

**Invoice #59929 (03/21/2024) Expected Payment Method: Pay Online - Card or ECheck**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 03/13/2024 9:27 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 03/13/2024 9:27 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 03/21/2024</b>
			<b>\$696.00</b>
			<b>Due</b>
			<b>\$0.00</b>

**Approvals**

Approval	Signature
Applicant	Steven J. Hansen - 03/21/2024 5:11 PM b5f1a7734b336258ab890e6d29872ad1 5eaab1704702fe3060010e2f2366d81c
#1 Admin	Kim Burton - 03/22/2024 9:38 AM 1773fabff86b0abdf12072045783781c 3e412017035409f579d89f0b978bba1e
#2 Board of Adjustment	

Public Notes

Text:	<div style="border: 1px solid black; height: 300px;"></div>
File(s):	<div style="border: 1px dashed black; height: 20px;"></div>

Admin Checklist

This review has been started by:	Kim Burton ▼
Zoning District of project location:	Shoreland ▼
Project located in the floodplain?	No ▼
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	Yes ▼
Is this an after-the-fact application?	No ▼

Numbers

	Current Number	Next from Sequence
<b>UID #</b>	210548	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-000917"/>	<input type="button" value="««"/> App-2024-000918
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0124

Print View





## AUTHORIZATION FORM

I hereby authorize the agent named below to act as my authorized agent for all public hearing applications and land use permits on property located at:

Parcel Numbers(s):	
E911 Address of Property:	

### Authorized Agent Information:

Agent name:	
-------------	--

### Property Owner Information:

Owner name:		Phone number:	
Email:			
Property Owner Signature:	<i>Kenneth Hansen</i>	Date:	

# **PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION**

**Aitkin County Environmental Services**  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an “X” by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an “X” by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

## **Section 1 – New Structure(s)**

Check all that apply and fill in requested information:

- Basement
- Crawlspace
- Walk-out Basement
- One Story Level
- Story-and-a-Half Level
- 2<sup>nd</sup> Story Level

Proposed # of Bedrooms \_\_\_\_\_ Proposed Structure Height \_\_\_\_\_ ft.  
Existing Total Building Coverage \_\_\_\_\_% Proposed Total Building Coverage \_\_\_\_\_%  
Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way ___ Twp ___ Co. ___ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

## **Section 2 – Alteration(s) to Existing Nonconforming Structure(s)**

Check all that apply and fill in requested information:

### **Existing Structure**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height \_\_\_\_\_ ft.  
 Existing # of Bedrooms \_\_\_\_\_  
 Existing Building Coverage \_\_\_\_\_%  
 Existing Total Impervious Surface Coverage \_\_\_\_\_%

### **Proposed Addition(s)**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Proposed Addition(s) Height \_\_\_\_\_ ft.  
 Final # of bedrooms after remodel \_\_\_\_\_  
 Proposed Building Coverage \_\_\_\_\_%  
 Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

### **Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

<input checked="" type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <u>53</u> ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

### **Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

### **Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

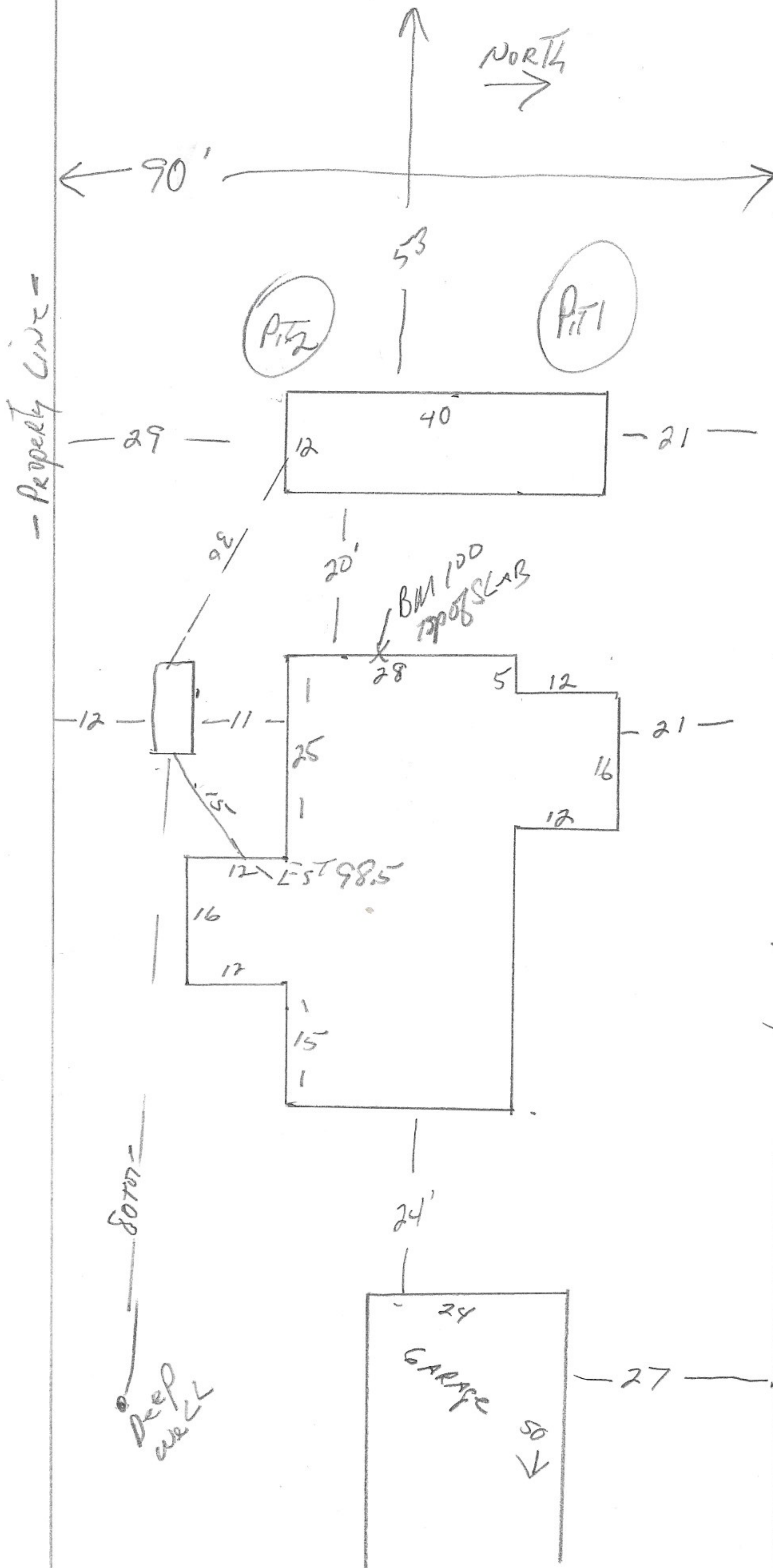
_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	



Ken Hansen

MILLE LACS LAKE

16-1-078500



- 100 Top of Slab
- 99.2 G.L. AT PITS
- 95.9 Soils To ReDOK (3.3 Soils Depth)
- 95.0 Pump hgt.
- 98.9 Bottom of Rock Bed
- 99.4 Discharge Line
- 98.5 Line at house
- 98.0 INLET at Tank

Property Line

20:1 SCALE

Dave Lyjak  
2006 10/10/2023



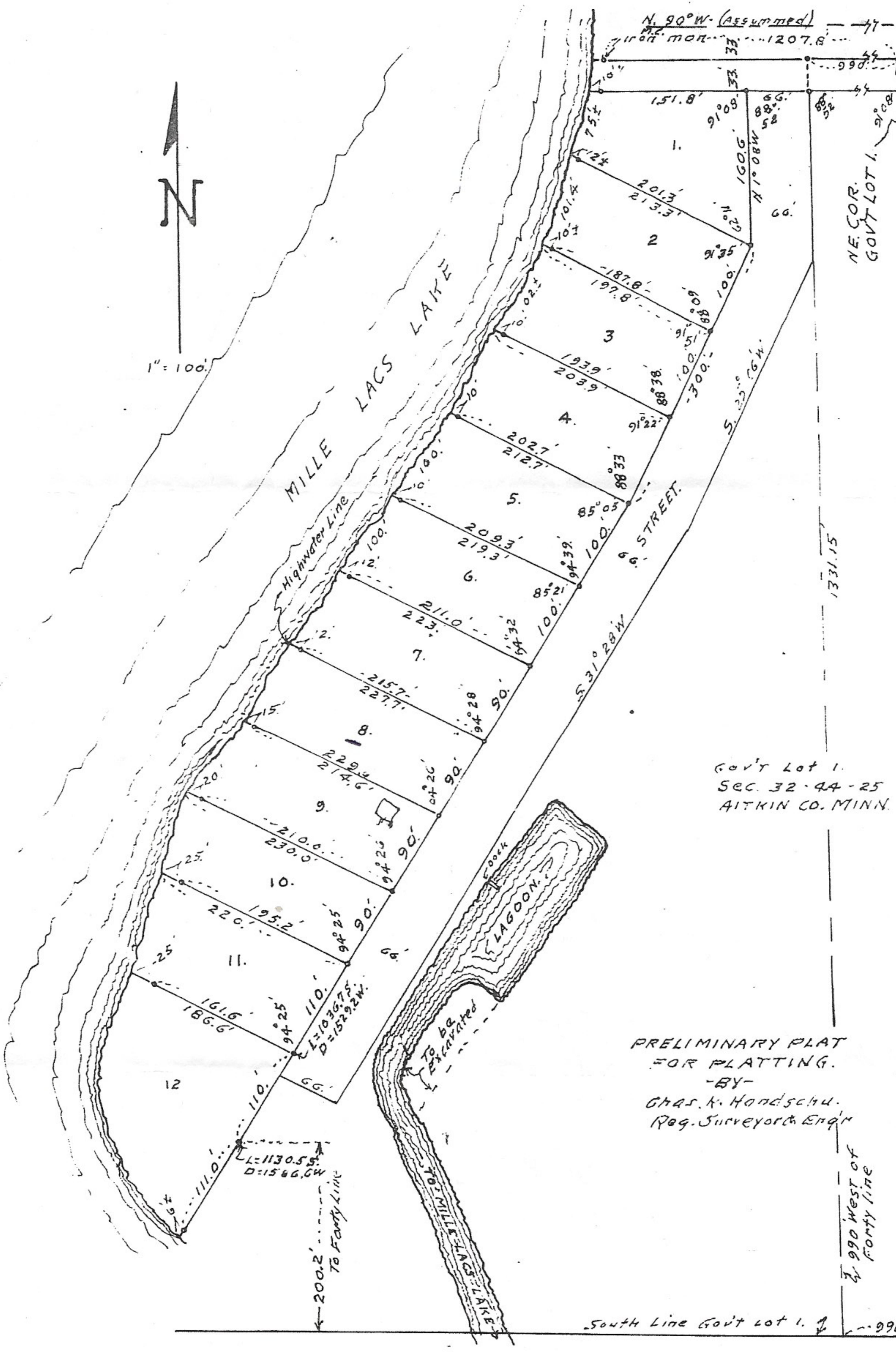
BY  
CHKD. BY  
DATE  
DATE

SHEET NO.  
OF

NE. COR.  
GOVT LOT 1.

Gov't Lot 1.  
Sec. 32-44-25  
AITKIN CO. MINN.

PRELIMINARY PLAT  
FOR PLATTING.  
-BY-  
CHAR. K. HONDSCHU.  
Reg. Surveyor & Eng'r



1" = 100'

MILLE LACS LAKE

Highwater Line

LAGOON

To be excavated

STREET

South Line Gov't Lot 1.

990 West of  
Forty line

990



# TRENCH AND BED WORKSHEET

## 1. AVERAGE DESIGN FLOW

- A. Estimated 450 gpd (see figure A-1)  
 or measured      x 1.5 (safety factor) =      gpd
- B. Septic tank capacity 1000 gal (see figure C-1)

number of bedrooms	Class I	Class II	Class III	Class IV
2	300	225	180	60% of the values in the Class I, II, or III columns.
<u>3</u>	<u>450</u>	300	218	
4	600	375	256	
5	750	450	294	
6	900	525	332	
7	1050	600	370	
8	1200	675	408	

## 2. SOILS (Site evaluation data)

- C. Depth to restricting layer = 3.3 ft
- D. Max depth of system Item 2C - 3 ft = 3.3 ft - 3 ft = 0.3 ft
- E. Texture SAND Percolation rate 83 MPI
- F. Soil Sizing Factor (SSF) 1.83 sqft/gpd (see figure D-15)
- G. % Land Slope < 1 %

Number of Bedrooms	Minimum Liquid Capacity	Liquid capacity with garbage disposal	Liquid capacity with disposal & lift inside
2 or less	<u>750</u>	1125	1500
3 or 4	<u>1000</u>	1500	2000
5 or 6	1500	2250	3000
7, 8 or 9	2000	3000	4000

## 3. TRENCH or BED BOTTOM AREA

- H. For trenches with 6 inches of rock below the pipe:  
 $A \times F = 450 \text{ gpd} \times 1.83 \text{ sqft/gpd} = 373 \text{ sqft}$  480 sqft
- I. For trenches with 12 inches of rock below the pipe:  
 $A \times F \times 0.8 = \text{    } \text{ gpd} \times \text{    } \text{ sqft/gpd} \times 0.8 = \text{    } \text{ sqft}$
- J. For trenches with 18 inches of rock below the pipe:  
 $A \times F \times 0.66 = \text{    } \text{ gpd} \times \text{    } \text{ sqft/gpd} \times 0.66 = \text{    } \text{ sqft}$
- K. For trenches with 24 inches of rock below the pipe:  
 $A \times F \times 0.6 = \text{    } \text{ gpd} \times \text{    } \text{ sqft/gpd} \times 0.6 = \text{    } \text{ sqft}$
- L. For gravity beds with 6 or 12 inches of rock below the pipe:  
 $1.5 \times A \times F = 1.5 \times \text{    } \text{ gpd} \times \text{    } \text{ sqft/gpd} = \text{    } \text{ sqft}$
- For pressure beds with 6 or 12 inches of rock below the pipe:  
 $A \times F = \text{    } \text{ gpd} \times \text{    } \text{ sqft/gpd} = \text{    } \text{ sqft}$

Percolation Rate (minutes per inch (mpi))	Soil Texture	Soil Sizing Factor (square feet/gallon per day (sqft/gpd))
faster than 0.1*	Coarse sand	<u>0.83</u>
0.1 to 5*	Medium sand	
0.1 to 5**	Loamy sand	0.83
	Fine sand	1.67
	Sandy loam	1.27
	Loam	1.67
16 to 30	Silt loam	2.00
	Silt	2.20
46 to 60	Clay loam	
over 61 to 120***	Sandy clay	
	Silty clay	
	Clay	
	Silty clay	
slower than 120****		

\*Use systems for rapidly permeable soils: pressure distribution or serial distribution with no trench > 25% of the total system.  
 \*\*Soil having 50% or more fine sand plus very fine sand  
 \*\*\*A mound must be used.  
 \*\*\*\*An other or performance system must be used

## 4. DISTRIBUTION (Check all that apply)

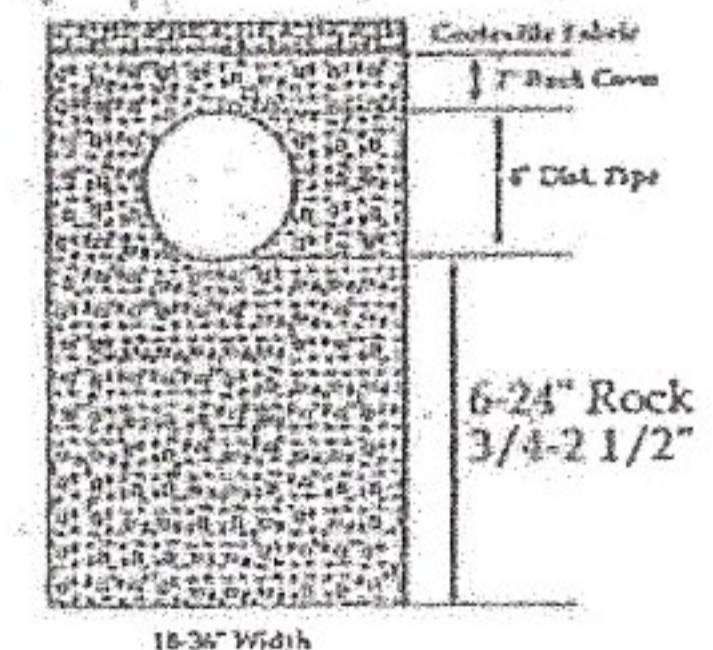
- Bed (< 6% slope)     Drop boxes (any slope)     Rock
- Trenches     Distribution box (< 3%)     Chamber
- Pressure     Gravity     Gravelless

## 5. SYSTEM WIDTH, LENGTH and VOLUME

- M. Select trench width = 12 ft
- N. If using rock, divide bottom area by width: (H, I, J, K or L) ÷ M =  
 $\frac{480 \text{ sqft}}{12 \text{ ft}} = 40 \text{ lineal feet}$   
 Rock depth below distribution pipe plus 0.5 foot times bottom area:  
 Rock depth in feet + 0.5 feet x Area (H, I, J, K, or L)  
 $(15 \text{ ft} + 0.5 \text{ ft}) \times 480 \text{ sqft} = 480 \text{ cuft}$   
 Volume in cubic yards = cuft ÷ 27  
 $\frac{480 \text{ cuft}}{27} = 18 \text{ cu yds}$   
 Weight of rock in tons = cubic yds x 1.4  
 $18 \text{ cu yds} \times 1.4 = 252 \text{ tons}$
- O. If using 10" Gravelless Pipe, Flow (A) x Gravelless SSF (see figure D-9)  
     gpd x      lineal feet/gpd =      lineal feet
- P. If using Chambers, H, I, J, or K (based on height of chamber slats) ÷ width of chamber in feet (M)  
     sqft ÷      ft =      lineal ft

percolation rate (minutes/inch)	soil texture	lineal feet/gallon/day
Faster than 0.1*	Coarse Sand	0.28
0.1 to 5	Medium Sand	
0.1 to 5**	Loamy Sand	0.6
	Fine Sand**	
	Sandy Loam	
	Loam	
16 to 30	Silt Loam	0.67
	Silt	
46 to 60	Clay Loam (CL)	0.74
	Sandy CL	
	Silty CL	
	Clay	
slower than 60***	Sandy Clay	---
	Silty Clay	

\*Soil too coarse for sewage treatment. Use systems for rapidly permeable soils.  
 \*\*Soil having 50% or more fine sand + very fine sand.  
 \*\*\*Soil with too high a percentage of clay for installation of a standard inground system.



## 6. LAWN AREA

- Q. Select trench spacing, center to center =      feet
- R. Multiply trench spacing by lineal feet R x Q = sqft of lawn area  
12 ft x 40 ft = 480 sqft

7. Include a drawing with scale (one inch = 20 ft). Show pertinent boundaries, right of way, easements, location of house, garage, driveway, all other improvements, existing or proposed soil treatment system, well and dimensions of all elevations, setbacks and separation distances.

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

Rene E. Smith

(signature)

C2006

(license #)

10/09/2023 (date)



# PUMP SELECTION PROCEDURE

## 1. Determine pump capacity:

### A. Gravity distribution

1. Minimum required discharge is 10 gpm
2. Maximum suggested discharge is 45 gpm. For other establishments at least 10% greater than the water supply rate, but no faster than the rate at which effluent will flow out of the distribution device.

### B. Pressure distribution

See pressure distribution work sheet

From A or B Selected pump capacity: 38.48 gpm

## 2. Determine pump head requirements:

### A. Elevation difference between pump and point of discharge?

4.4 feet

### B. Special head requirement? (See Figure at right - Special Head Requirements)

5 feet

### C. Calculate Friction loss

1. Select pipe diameter 2 in

2. Enter Figure E-9 with gpm (1A or B) and pipe diameter (C1).

Read friction loss in feet per 100 feet from Figure E-9

Friction Loss = 2.64 ft/100ft of pipe

3. Determine total pipe length from pump discharge to soil treatment discharge point. Estimate by adding 25 percent to pipe length for fitting loss. Total pipe length times 1.25 = equivalent pipe length

30 feet x 1.25 = 37.5 feet

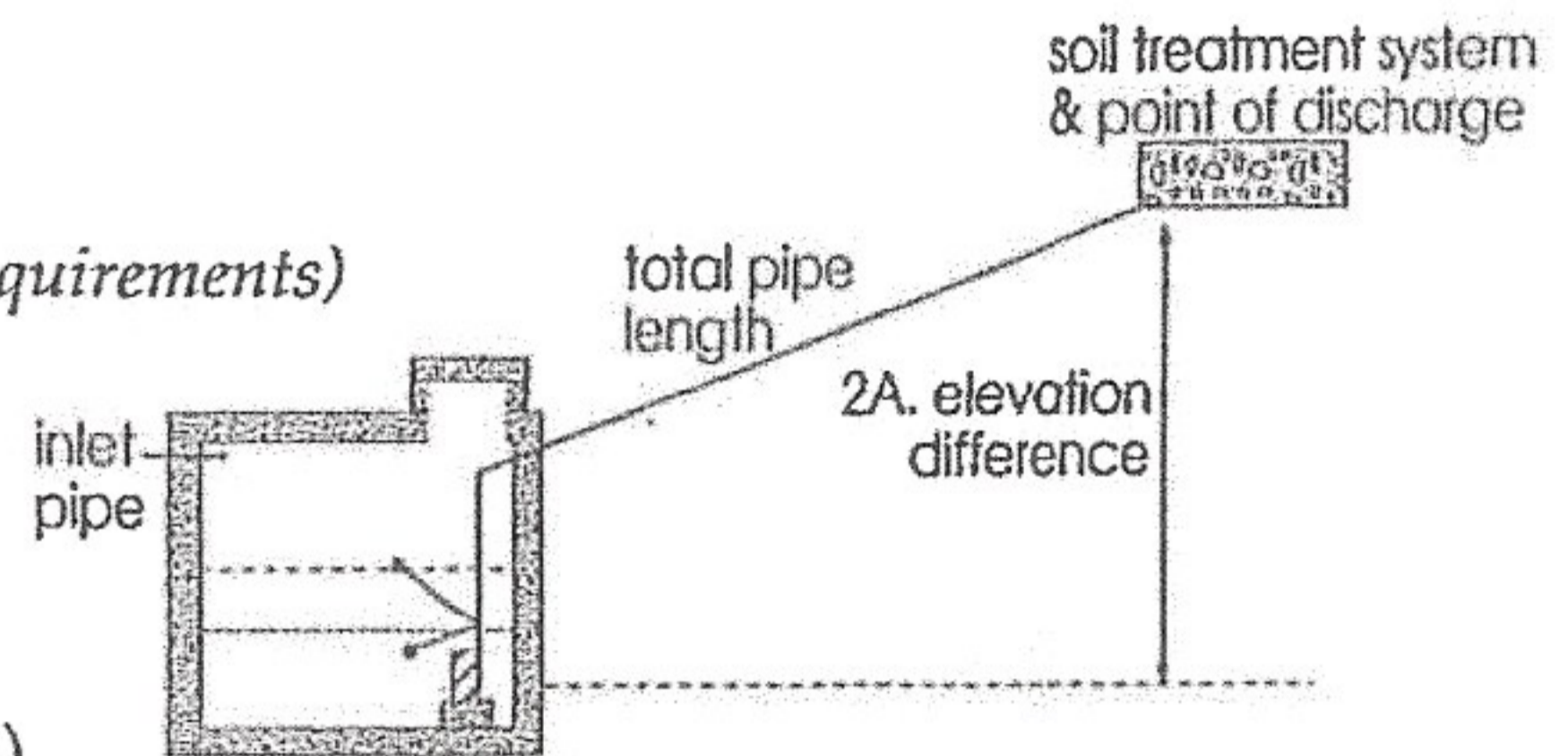
4. Calculate total friction loss by multiplying friction loss (C2) in ft/100 ft by the equivalent pipe length (C3) and divide by 100.

= 37.5 ft/100ft x 2.64 ÷ 100 = 1.0 ft

### D. Total head required is the sum of elevation difference (A), special head requirements (B), and total friction loss (C4)

4.4 ft + 5.0 ft + 1.0 ft =

Total head: 10.4 feet



Special Head Requirements	
Gravity Distribution	0 ft
Pressure Distribution	5 ft

flow rate gpm	E-9: Friction Loss in Plastic Pipe Per 100 feet		
	nominal pipe diameter		
	1.5"	2"	3"
20	2.47	0.73	0.11
25	3.73	1.11	0.16
30	5.23	1.55	0.23
35	6.96	2.06	0.30
40	8.91	<u>2.64</u>	0.39
45	11.07	3.28	0.48
50	13.46	3.99	0.58
55		4.76	0.70
60		5.60	0.82
65		6.48	0.95
70		7.44	1.09

## 3. Pump selection

A pump must be selected to deliver at least 38.48 gpm (1A or B) with at least 10.4 feet of total head (2D)

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

Barry Egan

(signature)

C2006

(license #)

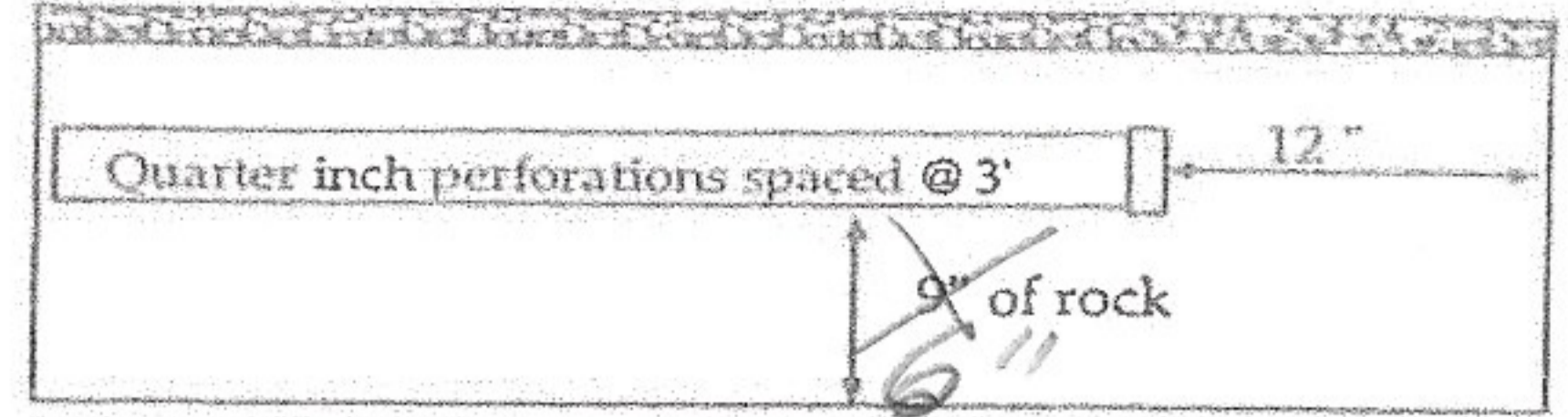
10/10/2023

(date)



# PRESSURE DISTRIBUTION SYSTEM

Geotextile fabric



Perf Sizing 3/16" - 1/4"  
Perf Spacing 1.5' - 5'

- Select number of perforated laterals 4
- Select perforation spacing = 3 ft
- Since perforations should not be placed closer than 1 foot to the edge of the rock layer (see diagram), subtract 2 feet from the rock layer length.

$$\frac{40}{\text{Rock layer length}} - 2 \text{ ft} = 38 \text{ ft}$$

- Determine the number of spaces between perforations. Divide the length (3) by perforation spacing (2) and round down to nearest whole number.

$$\text{Perforation spacing} = \frac{38 \text{ ft}}{3 \text{ ft}} = 12 \text{ spaces}$$

- Number of perforations is equal to one plus the number of perforation spaces(4). Check figure E-4 to assure the number of perforations per lateral guarantees <10% discharge variation.

$$12 \text{ spaces} + 1 = 13 \text{ perforations/lateral}$$

- A. Total number of perforations = perforations per lateral (5) times number of laterals (1)

$$13 \text{ perfs/lat} \times 4 \text{ lat} = 52 \text{ perforations}$$

- B. Calculate the square footage per perforation. Should be 6-10 sqft/perf. Does not apply to at-grades. Rock bed area = rock width (ft) x rock length (ft)

$$12 \text{ ft} \times 40 \text{ ft} = 480 \text{ sqft}$$

$$\text{Square foot per perforation} = \frac{\text{Rock bed area}}{\text{number of perfs}} = \frac{480 \text{ sqft}}{52 \text{ perfs}} = 9.2 \text{ sqft/perf}$$

- Determine required flow rate by multiplying the total number of perforations (6A) by flow per perforation (see figure E-6)

$$52 \text{ perfs} \times .74 \text{ gpm/perfs} = 38.48 \text{ gpm}$$

- If laterals are connected to header pipe as shown on upper example, to select minimum required lateral diameter; enter figure E-4 with perforation spacing (2) and number of perforations per lateral (5) Select minimum diameter for perforated lateral = 1 1/2 inches.

- If perforated lateral system is attached to manifold pipe near the center, lower diagram, perforated lateral length (3) and number of perforations per lateral (5) will be approximately one half of that in step 8. Using these values, select minimum diameter for perforated lateral = \_\_\_\_\_ inches.

E-4: Maximum allowable number of 1/4-inch perforations per lateral to guarantee <10% discharge variation

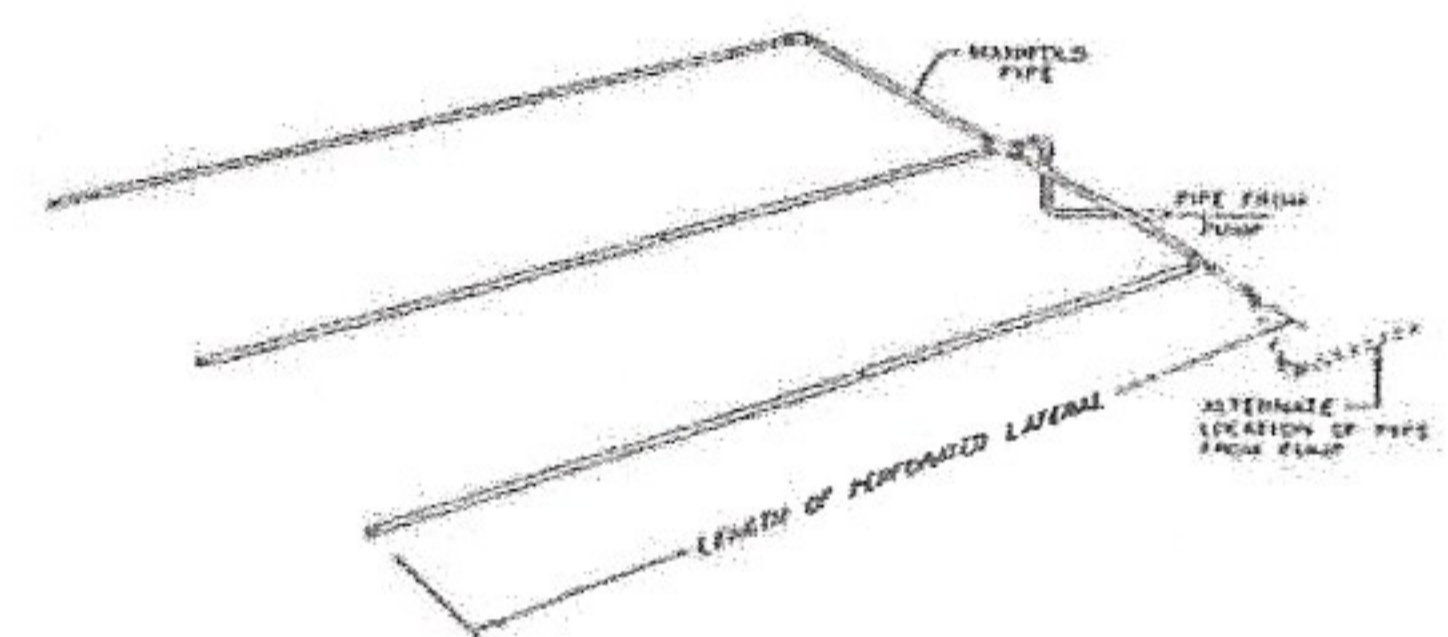
perforation spacing (feet)	1 inch	1.25 inch	1.5 inch	2.0 inch
2.5	8	14	18	28
3.0	8	13	17	26
3.3	7	12	16	25
4.0	7	11	15	23
5.0	6	10	14	22

E-6: Perforation Discharge in gpm

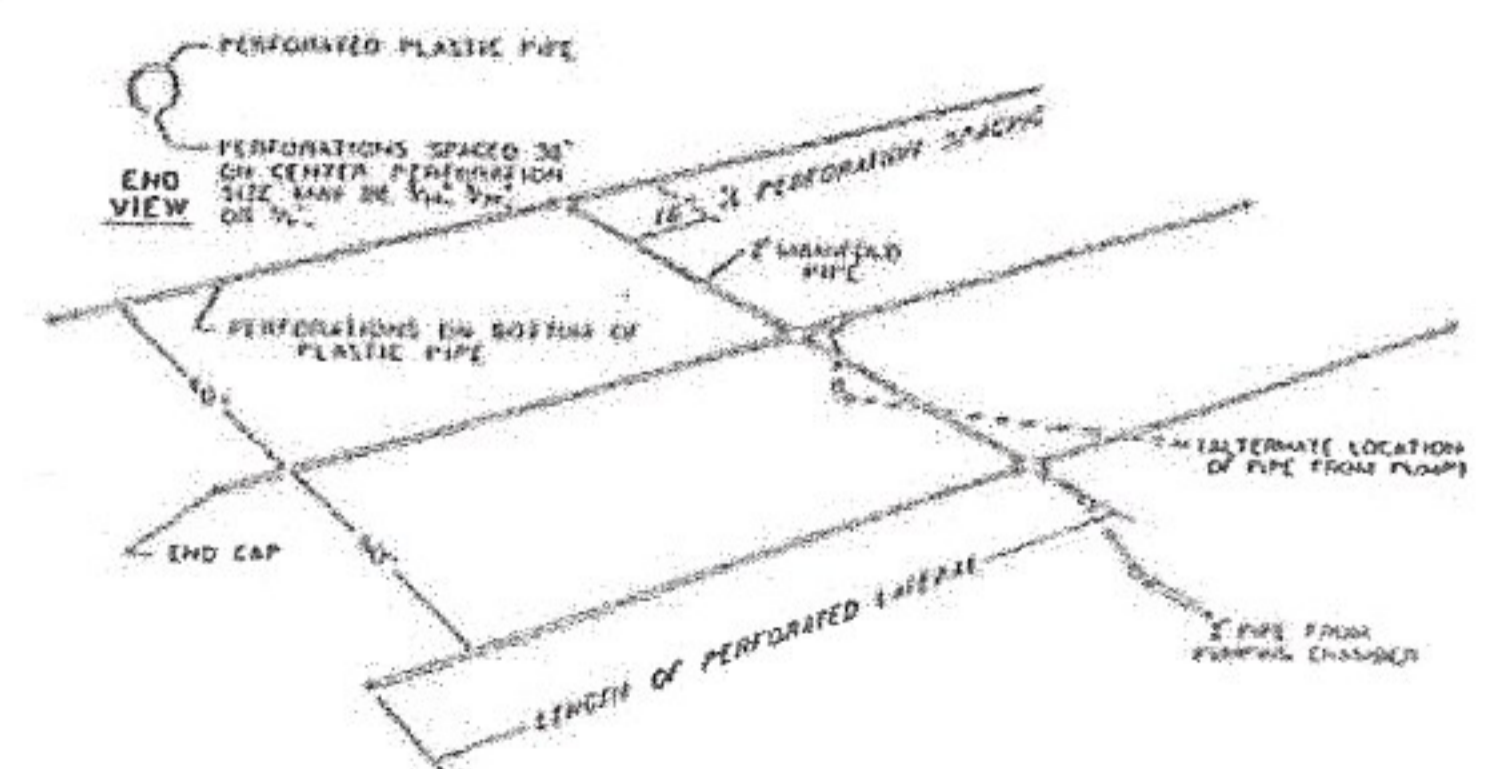
head (feet)	perforation diameter (Inches)			
	1/8	3/16	7/32	1/4
1.0 <sup>a</sup>	0.18	0.42	0.56	0.74
2.0 <sup>b</sup>	0.26	0.59	0.80	1.04
5.0	0.41	0.94	1.26	1.65

<sup>a</sup> Use 1.0 foot for single-family homes.  
<sup>b</sup> Use 2.0 feet for anything else.

MANIFOLD LOCATED AT END OF PRESSURE DISTRIBUTION SYSTEM



LAYOUT OF PERFORATED PIPE LATERALS FOR PRESSURE DISTRIBUTION IN MOUND



I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

Bruce Egdahl (signature) #2006 (license #) 10/10/2023 (date)



# SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

## 1 (PROPOSED) SOILS DATA

PIT 1

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0-9	SANDY T.S FILL SOIL FROM HOUSE SITE Some CLAY MIXED in	7.5YR 2.5/2
9-29	BLACK SAND LOOSE	7.5YR 8.5/2
29-41	LOOSE SANDY	7.5YR 3/3
41T	Redox	7.5YR 5/6 5/2

PIT 2

## 2 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0-14	SAND T.S LOOSE FILL FROM HOUSE CLAY CLODS MIXED in	7.5YR 2.5/2
14-48"	Sandy LOOSE	7.5YR 3/3
48"	Redox	7.5YR 5/6 5/2

## 1 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
<p>Note: BRYAN HARGRAVE OBSERVED SOILS AND APPROVED DEPTH. 9/19/2023</p>		

## 2 (ALTERNATE) SOILS DATA

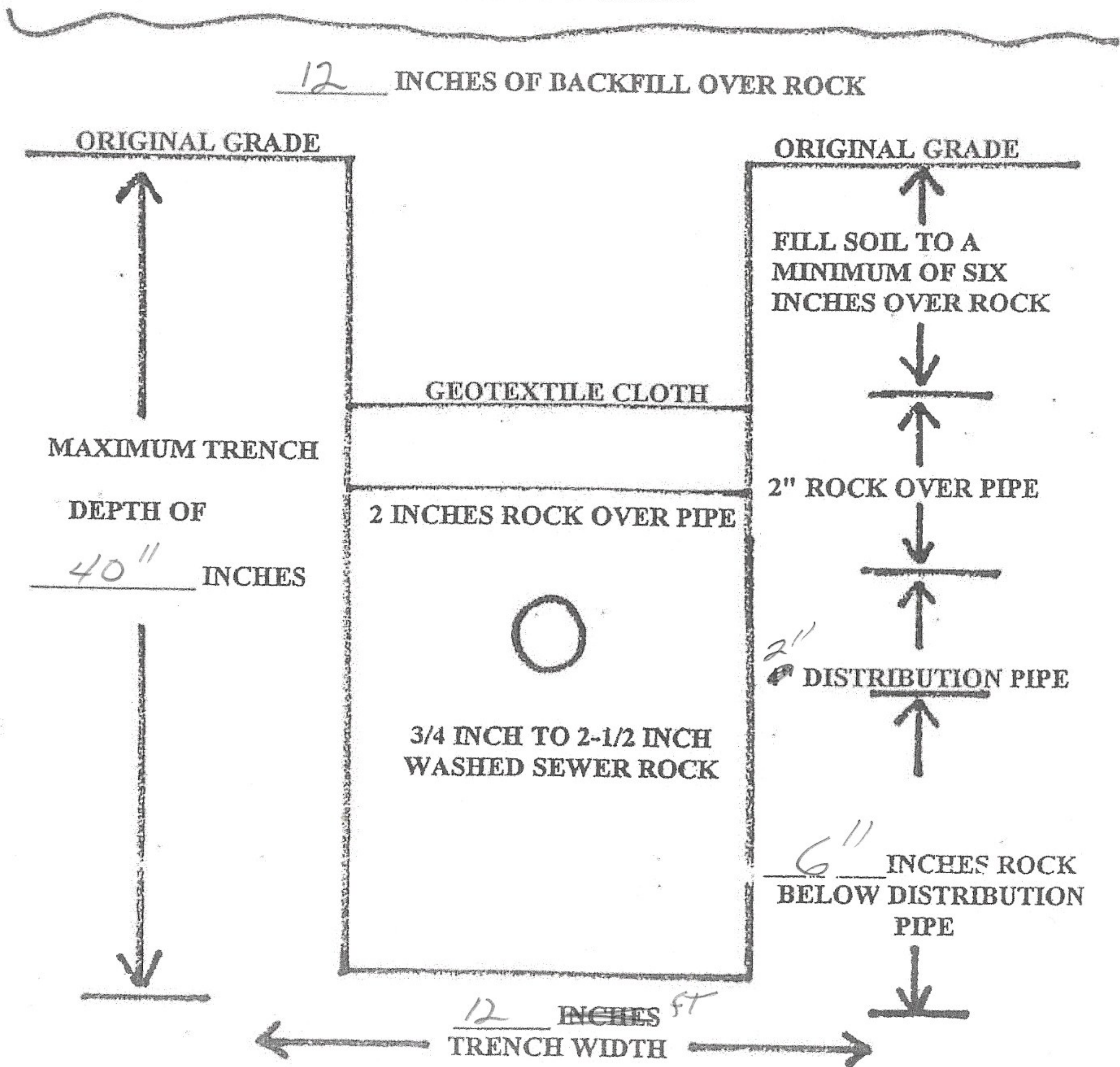
DEPTH (INCHES)	TEXTURE	MUNSELL COLOR

ADDITIONAL SOIL BORINGS MAY BE REQUIRED



TRENCH CROSS-SECTION

FINISHED GRADE





# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW, Room 219  
Aitkin, Minnesota 56431

PH: (218) 927-7342  
FX: (218) 927-4372



## **PART VI: VARIANCE APPLICATION**

### **“Aitkin County Shoreland Performance” Worksheet** **Instructions:**

**Are you applying for a variance from the Aitkin County Shoreland Management Ordinance?** If so, you must complete the “Aitkin County Shoreland Performance” sheet. This is used as an attempt to evaluate your property and project as it relates to the required setbacks and the intent of the Ordinance to protect water quality, habitat and aesthetics. Your project will receive a ranking/score that relates to a “percentage” of compliance with the Department of Natural Resources guidelines and Aitkin County Ordinances.

**STEP 1:** Determine the level of non-conformance and score by completing 1-5 on the worksheet. The actual setback will be multiplied by the corresponding ‘score multiplier’ to determine your “Pre-mitigation Lot Score”.

**STEP 2:** Review the mitigation options and circle those that you would be willing to implement as a condition of your variance. See letters A-J.

\*As a note, if you will be creating a buffer zone or other landscape project as part of your mitigation plan, please be prepared to present an approved plan to the Board of Adjustment. Although not familiar with specifics of the “Aitkin County Shoreland Performance” worksheet, the Aitkin County Soil & Water Conservation District [SWCD] (218-927-7284) and the University of Minnesota Extension Master Gardeners (218-927-2538) may be resources that would be able to provide you with planting suggestions and landscaping ideas.

**STEP 3:** A final score is determined by adding your “Pre-mitigation Lot Score” with your “Mitigation Total”. *Please note, the property should obtain a score of 100 or more to meet performance standard requirements.*

After a practical difficulty has been determined, the Board of Adjustment may use the “Aitkin County Shoreland Performance” sheet submitted with your application and/or use their own completed sheet to attempt to mitigate impacts to the water-body and/or adjoining properties.

If you have any questions, please contact Aitkin County Environmental Services – Planning & Zoning at (218) 927-7342.

# AITKIN COUNTY SHORELAND PERFORMANCE

(Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- |   |                               |
|---|-------------------------------|
| 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) .....   | 1: <u>General Development</u> |
| 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) .....   | 2: <u>75'</u>                 |
| 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought.....                          | 3: <u>53'</u>                 |
| 4) Enter the corresponding 'Score Multiplier' .....   | 4: <u>1.333</u>               |
| 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... | 5: <u>71</u>                  |

Reference Table: Performance Multipliers for structures, septic, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	(30' setback)  3.33	(10' setback)  10.000
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		

**Mitigation:** To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- |  |                         |
|--|-------------------------|
| A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... | 15 points               |
| B) Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c).....    | 30 points               |
| C) Zone B: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                      | 20 points               |
| D) Zone C: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                      | 10 points               |
| E) Construction of rain garden(s) to Wisconsin DNR Manual specifications.....  | 20 points               |
| F) Removal of <u>all</u> other structures that do not meet the standard building setbacks, including water oriented structures.....  | 20 points               |
| G) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A) .....   | 10 points               |
| H) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed .....  | 10 points               |
| I) Re-vegetate bluff or steep slopes* <u>and</u> provide screening of structures from the lake. ....   | 10 points               |
| J) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary .....   | 10 points               |
| K) Existing conditions may apply on the property that warrant credit.....  | To be determined by P&Z |

**Final Score** = Pre-mitigation Lot Score (Line 5) 71 + Mitigation Totals (Lines A-I) 30 = 101

\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years

*Kenneth Hansen*

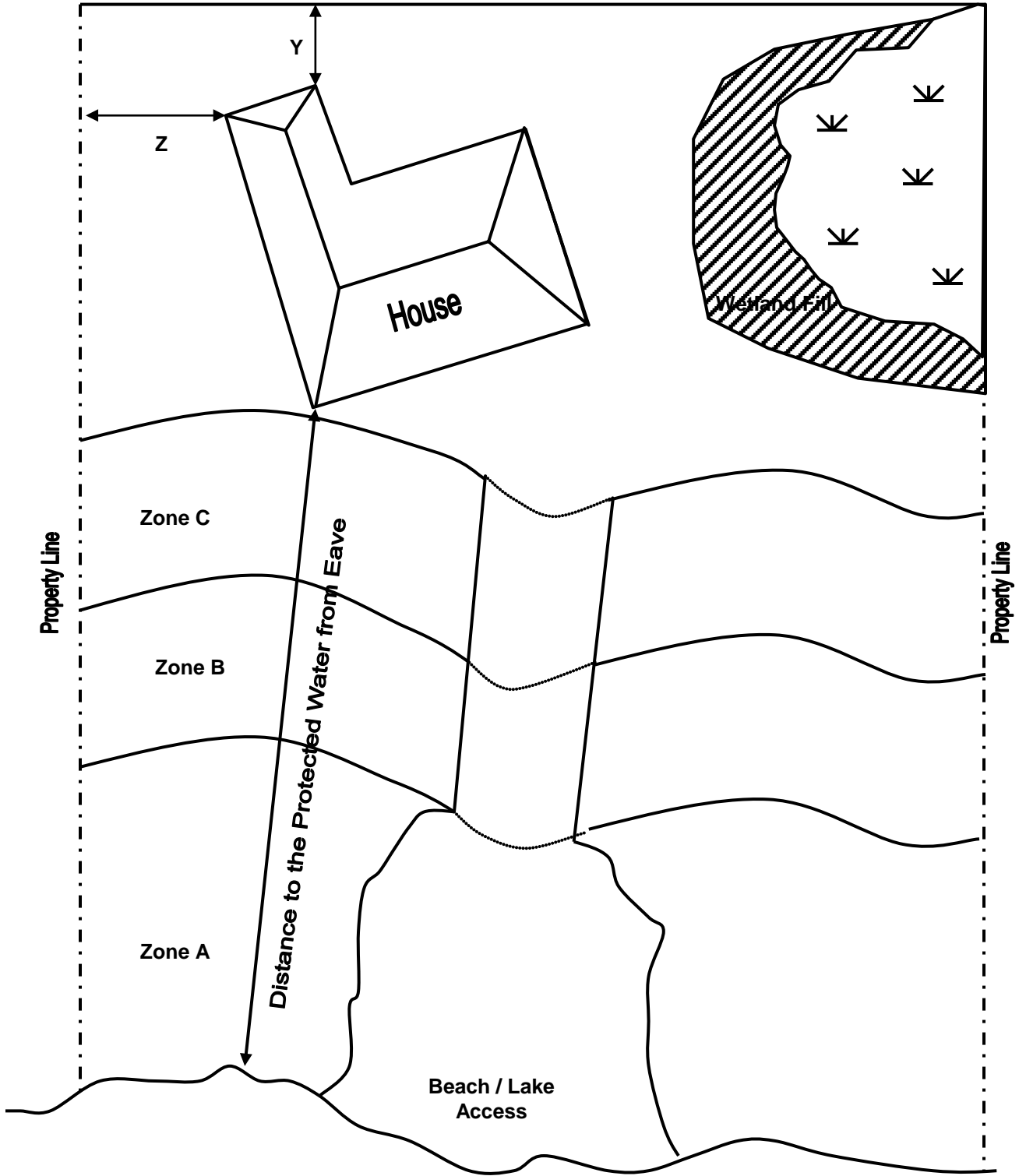
Board of Adjustment Chairperson

Applicant



AITKIN COUNTY SHORELAND PERFORMANCE  
(Example)

Road right-of-way (ROW)



Recreational Development Lake (RD)

# PART VII: STANDARD EROSION CONTROL PLAN

According to Aitkin County's Shoreland Management Ordinance, soil erosion control information needs to be included on the site plan which is submitted and approved prior to the issuance of zoning permits. The Standard Erosion Control Plan is provided to assist in meeting this requirement.

**Instructions:**

1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. A cross section sheet is required for walkout basements and excavations into hillsides for determining volume of fill to be excavated.

Project Location 16859 332<sup>nd</sup> PL Isle MN

Builder Septic Dave's Diet Work Owner Ken Hanson

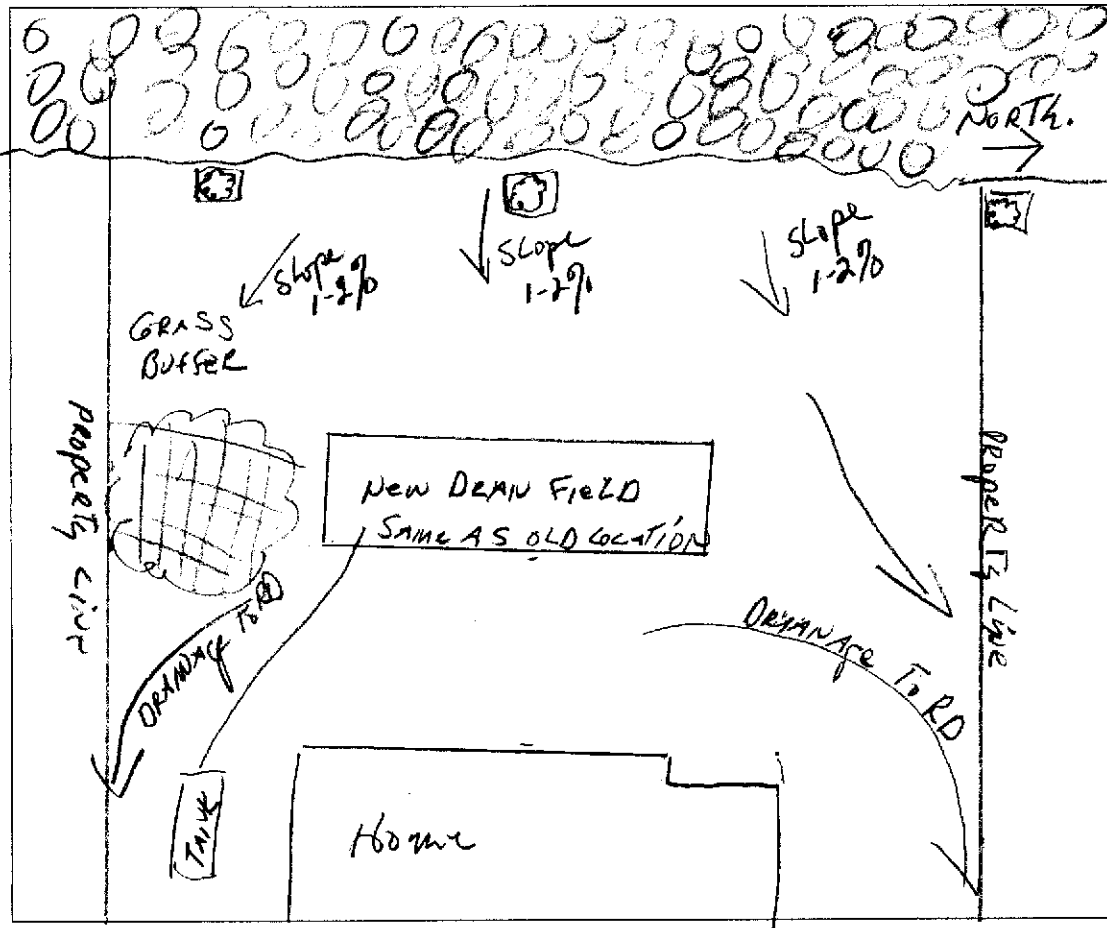
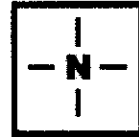
Worksheet Completed By Dave Engdahl Date 3-18-2024

Amount of earthen material to be excavated and/or used for fill 150 cubic yards.

**SITE DIAGRAM**

Scale 1 inch = 20 feet

Please indicate north by completing the arrow.



**EROSION CONTROL PLAN LEGEND**

- PROPERTY LINE
- EXISTING DRAINAGE
- TD TEMPORARY DIVERSION
- FINISHED DRAINAGE
- LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- ☐ GRAVEL
- ⊙ VEGETATION SPECIFICATION
- ☐ TREE PRESERVATION
- ⊗ STOCKPILED SOIL

# EROSION CONTROL PLAN CHECKLIST

Check the box if completed (leave empty if not applicable).  
All items checked must be included on the site diagram.

## Site Characteristics

- North arrow, scale, and site boundary. Indicate and name adjacent streets or roadways.
- Location of existing drainageways, streams, rivers, lakes, wetlands or wells.
- Location of storm sewer inlets.
- Location of existing and proposed buildings and paved areas.
- The disturbed area on the lot.
- Approximate gradient and direction of slopes before grading operations.
- Approximate gradient and direction of slopes after grading operations.
- Overland runoff (sheet flow) coming onto the site from adjacent areas.

## Erosion Control Practices

- Location of temporary soil storage piles.  
Note: Soil storage piles should be placed behind a sediment fence, a 10 foot wide vegetative strip, or should be covered with a tarp or more than 25 feet from any downslope road or drainageway.
- Location of access drive(s) (driveways, turnarounds, approaches, etc.)
- Location of sediment controls (filter fabric fence, straw bale fence or 10-foot wide vegetative strip) that will prevent eroded soil from leaving the site.
- Location of sediment barriers around on-site storm sewer inlets.
- Location of diversions.  
Note: Although not specifically required by code, it is recommended that concentrated flow (drainageways) be diverted (re-directed) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. should also be diverted around disturbed areas.
- Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade).  
Note: Such practices include maintaining existing vegetation, placement of additional sediment fences, diversions, and re-vegetation by sodding or seeding with use of erosion control mats.
- Location of practices that will control erosion on areas of concentrated runoff flow.  
Note: Unstabilized drainageways, ditches, diversions, and inlets should be protected from erosion through use of such practices as in-channel fabric or straw bale barriers, erosion control mats, staked sod, and rock rip-rap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial streams (streams with year round flow).
- Location of other planned practices not already noted.

Check the box if completed (leave empty if not applicable).  
All items checked must be included on the site diagram.

## Management Strategies

- Temporary stabilization of disturbed areas.  
Note: It is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding (between April 1 and September 15), or by other cover, such as tarping or mulching.
- Permanent stabilization of site by re-vegetation or other means as soon as possible (lawn establishment).
- Indicate re-vegetation method: (Circle one of the following) Seed Sod  
Other \_\_\_\_\_
  - Expected date of permanent re-vegetation: 7-15-2024
  - Re-vegetation responsibility of: (Circle one of the following)  
Builder Owner/Buyer
  - Is temporary seeding or mulching planned if site is not seeded by Sept. 15 or sodded by Nov. 15? (Circle one of the following) Yes No
- Use of downspout and/or sump pump outlet extensions.  
Note: It is recommended that flow from downspouts and sump pump outlets be routed through plastic drainage pipe to stable areas such as established sod or pavement.
- Trapping sediment during de-watering operations.  
Note: Sediment-laden discharge water from pumping operations should be ponded behind a sediment barrier until most of the sediment settles out.
- Proper disposal of building material waste so that pollutants and debris are not carried off-site by wind or water.
- Maintenance of erosion control practices.
- Sediment will be removed from behind sediment fences and barriers before it reaches a depth that is equal to half the height of the barrier.
  - Breaks and gaps in sediment fences and barriers will be repaired immediately. Decomposing straw bales will be replaced (typical bale life is three months).
  - All sediment that moves off-site due to construction activity will be cleaned up before the end of the same workday.
  - All sediment that moves off-site due to storm events will be cleaned up before the end of the next workday.
  - Access drives will be maintained throughout construction.
  - All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.

## SPECIAL Note:

This is To Repair Existing Septic Approved By  
ONSITE EVALUATION By ATKIN CO EMPLOYEES (BRIAN HARDFRAX)

Septic ONLY gets installed when GROUND IS DRY  
AND NO RAIN IN FORECAST. PROJECT IS EXPECTED TO  
TAKE 3 DAYS. TOP SOIL PILE TO BE TARPED.

AFTER COMPLETION TO BE SEEDED AND MULCHED.

DRAINAGE IS AWAY FROM LAKE. IT DROPS 6-7 INCHES  
APROX 1% - 2% IN 40'.

Dave Lyall

© 2006

3/18/2024

Individual (s) to Individual (s)

290141

FILED MAY 19 1995 AT 2:21 PM

Everett Davies, County Recorder

(reserved for recording data)

No delinquent taxes and transfer entered; Certificate of Real Estate Value (X) filed ( ) not required

Certificate of Real Estate Value No. 22144  
May 19, 19 95

Alice Kotler

County Auditor

by Maria Burman

Deputy

STATE DEED TAX DUE HEREON: \$ 204.60

Date: May 12, 19 95

FOR VALUABLE CONSIDERATION, ROBERT B. TURNER  
a single person (marital status), Grantor (s),

hereby convey (s) and warrant (s) to KENNETH J. AND BARBARA L. HANSEN  
husband and wife as joint tenants, Grantee (s),  
real property in Aitkin County, Minnesota, described as follows:

SEE REVERSE FOR LEGAL DESCRIPTION:

(if more space is needed, continue on back)

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:

Subject to easements, restrictions, and reservations of record, if any.

AITKIN COUNTY DEED TAX

No. 111 Date 5/19/95  
204.60

Robert B. Turner  
Robert B. Turner

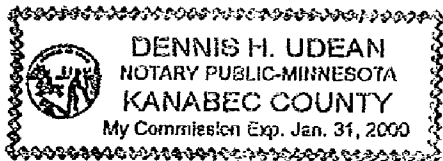
Dennis H. Udean  
Notary Public

M. Sack Deputy

STATE OF MINNESOTA }  
COUNTY OF Kanabec } ss.

The foregoing instrument was acknowledged before me this 12th day of May, 19 95,  
by Robert B. Turner, a single person, Grantor (s).

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)



Dennis H. Udean  
SIGNATURE OF PERSON TAKING ACKNOWLEDGMENT

Tax Statements for the real property described in this instrument should be sent to (Include name and address of Grantee):

Kenneth and Barbara Hansen  
1817 Apple View Lane  
Burnsville, MN 55337

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

Jennifer J. Sprandel  
12 N. Union St.  
Mora, MN 55051

→ Lot Eight (8) of the Plat of "Henry's Estates", according to the filed plat thereof;

AND

→ That part of Outlot 19 of the Plat of "Henry's Estates", which is described as follows: Commencing at the southwesterly corner of Lot No. 15, Plat of "Henry's Estates"; thence southwesterly on the street line 138 feet to the point of beginning; thence continuing southwesterly on the street line, 15 feet; thence at right angles southeasterly, 25 feet, more or less, to the shore of the lagoon, in place; thence northeasterly along the shoreline of said lagoon, 15 feet, more or less, to a point, said point being at right angles from the point of beginning; thence northwesterly to the point of beginning;

AND

→ An undivided 1/18th interest in Lot Eighteen (18) of "Henry's Estates".

Aitkin County, Minnesota

(Abstract)

*Handwritten notes and signatures in the bottom left corner, including what appears to be a date "1995" and a signature.*

RECORDED  
TRACT INDEX  
GRANTOR  
GRANTEE  
COMPARED

SEAL OF COUNTY RECORDER  
AITKIN COUNTY, MINNESOTA  
MAY 19 1995  
X WELLBORN COUNTY REC'D

COUNTY RECORDER  
AITKIN COUNTY, MINNESOTA

FILED

MAY 19 '95 9A M

*Handwritten signature: Everett A. ...*

AS DOC. No. 290141



**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	08-0-024002		FLEMING TWP	.28 AC OF LOT 1 IN DOC 359998		S:16 T:48 R:25	RD	GUN LAKE	PRIOR, THOMAS & TAWNIA TRUSTEES	PRIOR, THOMAS & TAWNIA TRUSTEES
	08-1-064701	43727 320th PI AITKIN, MN 56431	FLEMING TWP	LOT 1 AS IN DOC 359998	FIRST ADDITION TO BREEZY ACRES	S:16 T:48 R:25	RD	GUN LAKE	PRIOR, THOMAS & TAWNIA TRUSTEES	PRIOR, THOMAS & TAWNIA TRUSTEES
Driving directions to the proposed project from Aitkin:	169 No. to 210 East to Gun Lake Road, North to the first Y then Right, 1.5m to T then Straight Thru to the cul-de-sac at the very end of road									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									

**Detailed Narrative**

Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):	<p>Requesting a variance from the required 100 foot ordinary high water level setback on Gun Lake to a setback distance of 80 feet to construct a 8 foot x 24 foot Room addition on an existing residence located 80 feet from the lake</p> <p>.</p> <p>Attached are the drawings for the build job and Narrative</p>
Attach prepared narrative here:	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: <a href="#">Page_1_of_2_to_Print_24_x_36_Prior__November_27th__2023.pdf</a></p> <p>File 2: <a href="#">Page_2_of_2_to_Print_24_x_36_Prior__November_27th__2023.pdf</a></p> <p>File 3: <a href="#">Prior_Narrative.pdf</a></p> </div>
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	Shorland Management
Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner	<u>No</u>

**Supplemental Data**

Attach completed form here:	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: <a href="#">Spplamental_Data_to_Varience.pdf</a></p> </div>
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**A Scaled Drawing or Survey**

Scaled Drawing or Survey Checklist:	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
Attach a Scaled Drawing or Survey:	<div style="border: 1px dashed black; padding: 5px; text-align: center;">       File 1: <a href="#">Tom_Prior_Site_Plan.pdf</a> </div>

**Side Profile Sketch of the Structure**

Attach a side profile sketch of your proposed structure or addition here (if applicable):	<div style="border: 1px dashed black; padding: 5px; text-align: center;">       File 1: <a href="#">Profile_Sketch.pdf</a> </div>
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**Certificate of Septic Compliance**

<p>Please attach a copy of one of the following:</p> <ul style="list-style-type: none"> <li>- A current compliance inspection on the existing septic system.</li> <li>- A design for a new/replacement septic system.</li> </ul>	<div style="border: 1px dashed black; padding: 5px; text-align: center;">       File 1: <a href="#">Tom_prior_Septic_inspection.pdf</a> </div>
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**Shoreland Performance Worksheet**

Complete the Shoreland Performance Worksheet and attach here:

File 1: [↓ Shoreland\\_Performance\\_Work\\_Sheet.pdf](#)

**Standard Erosion Control Plan**

Attach the completed Standard Erosion Control Plan here:

File 1: [↓ Erosion\\_Control\\_Plan.pdf](#)

**Property Deed**

Attach the property deed(s):

File 1: [↓ Prior\\_Deed.pdf](#)

**Terms****General Terms**

The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.

Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.

I acknowledge that by submitting this application, the application and its attachments are public information.

**Invoice #59941 (03/29/2024) Expected Payment Method: Multiple**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 03/13/2024 6:09 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 03/13/2024 6:09 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 02/01/2024</b>
			<b>\$300.00</b>
			<b>Payment 04/01/2024</b>
			<b>\$396.00</b>
			<b>Due</b>
			<b>\$0.00</b>

**Results** ([Go to top](#))  
 Signature accepted  
 Failed to send [Variance Ready for Action](#) notification to:

**Approvals**

Approval	Signature
Applicant	Thomas R. Prior - 03/29/2024 10:21 AM f4d7da911005c7e118a5d7eb1440e290 0de60047d60172915af5e9ee47051f43
#1 Admin	Kim Burton - 04/01/2024 3:05 PM 5af0051cee7afe7d111c744cfe3827d9 e5ead98940c19144d2e059d44eca56de
#2 Board of Adjustment	

[Public Notes](#)

Text:	\$300 FROM APP 2024-000265 APPLIED TO VARIANCE FEE
File(s):	<div style="border: 1px dashed black; height: 20px; width: 100%;"></div>

Admin Checklist

This review has been started by:	<input type="text" value="Kim Burton"/>
Zoning District of project location:	<input type="text" value="Shoreland"/>
Project located in the floodplain?	<input type="text" value="No"/>
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	<input type="text" value="Yes"/>
Is this an after-the-fact application?	<input type="text" value="No"/>

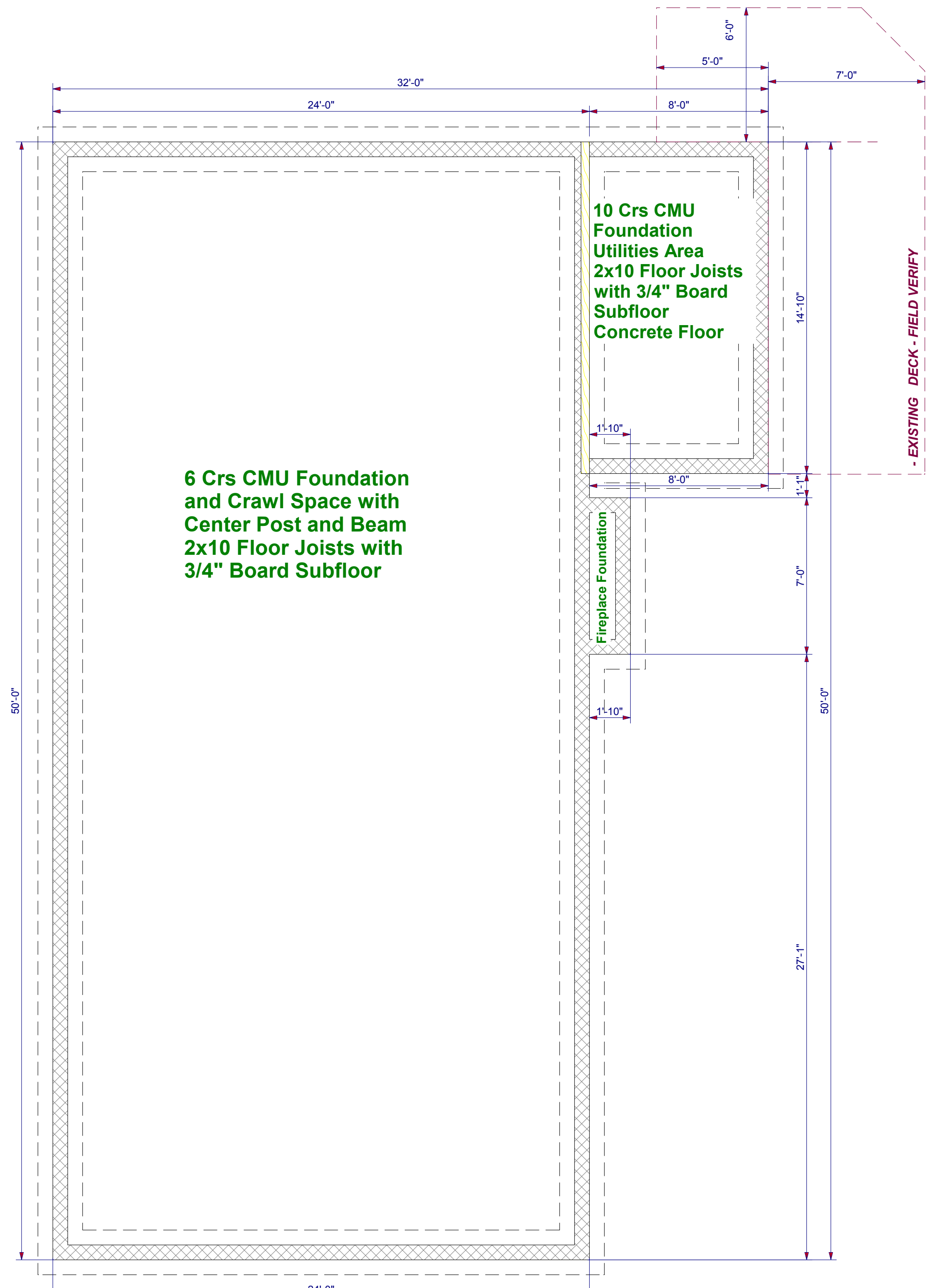
Numbers

	Current Number	Next from Sequence
<b>UID #</b>	210563	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-000994"/>	<input type="button" value="««"/> App-2024-001013
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0139

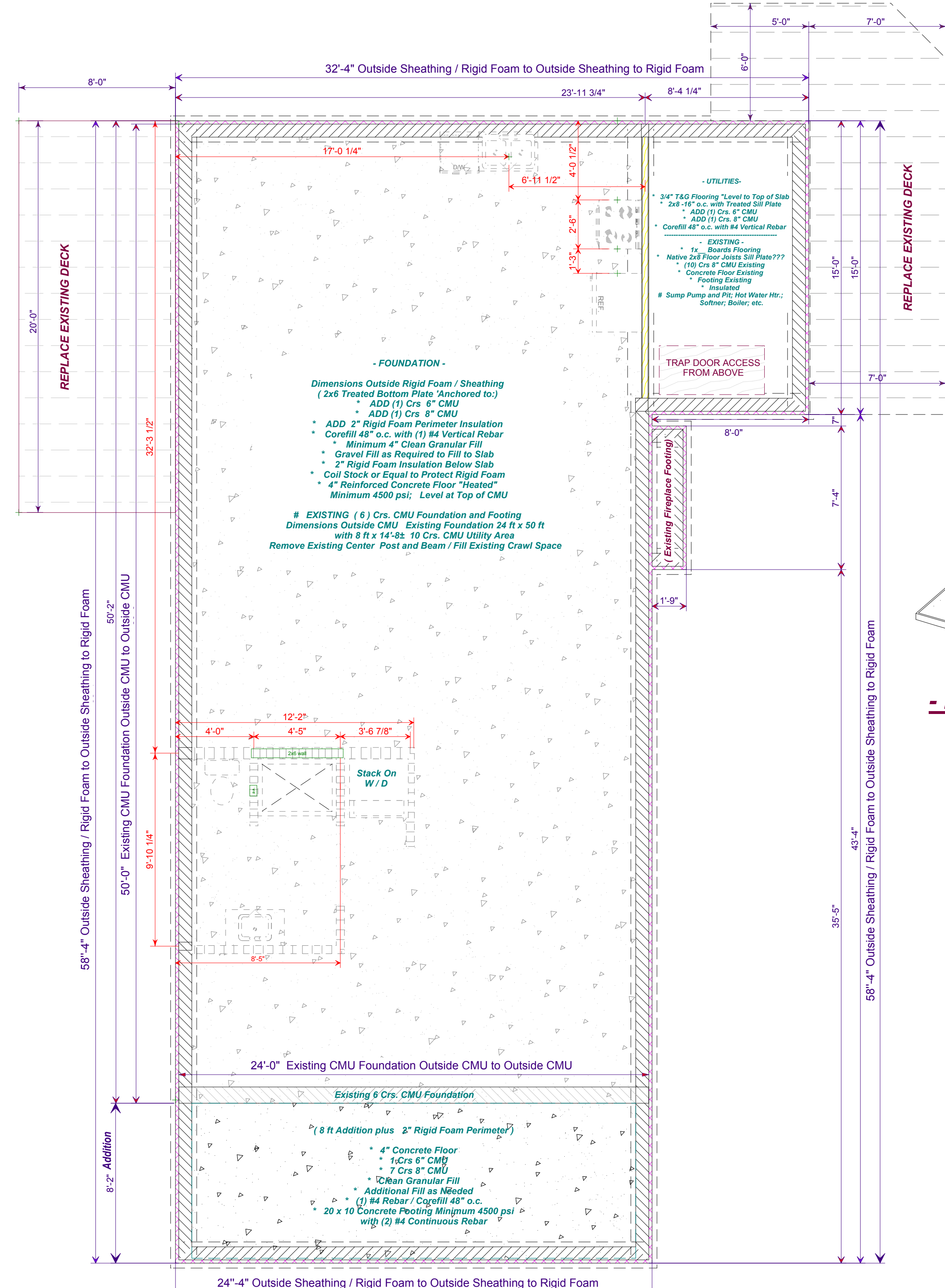
Print View



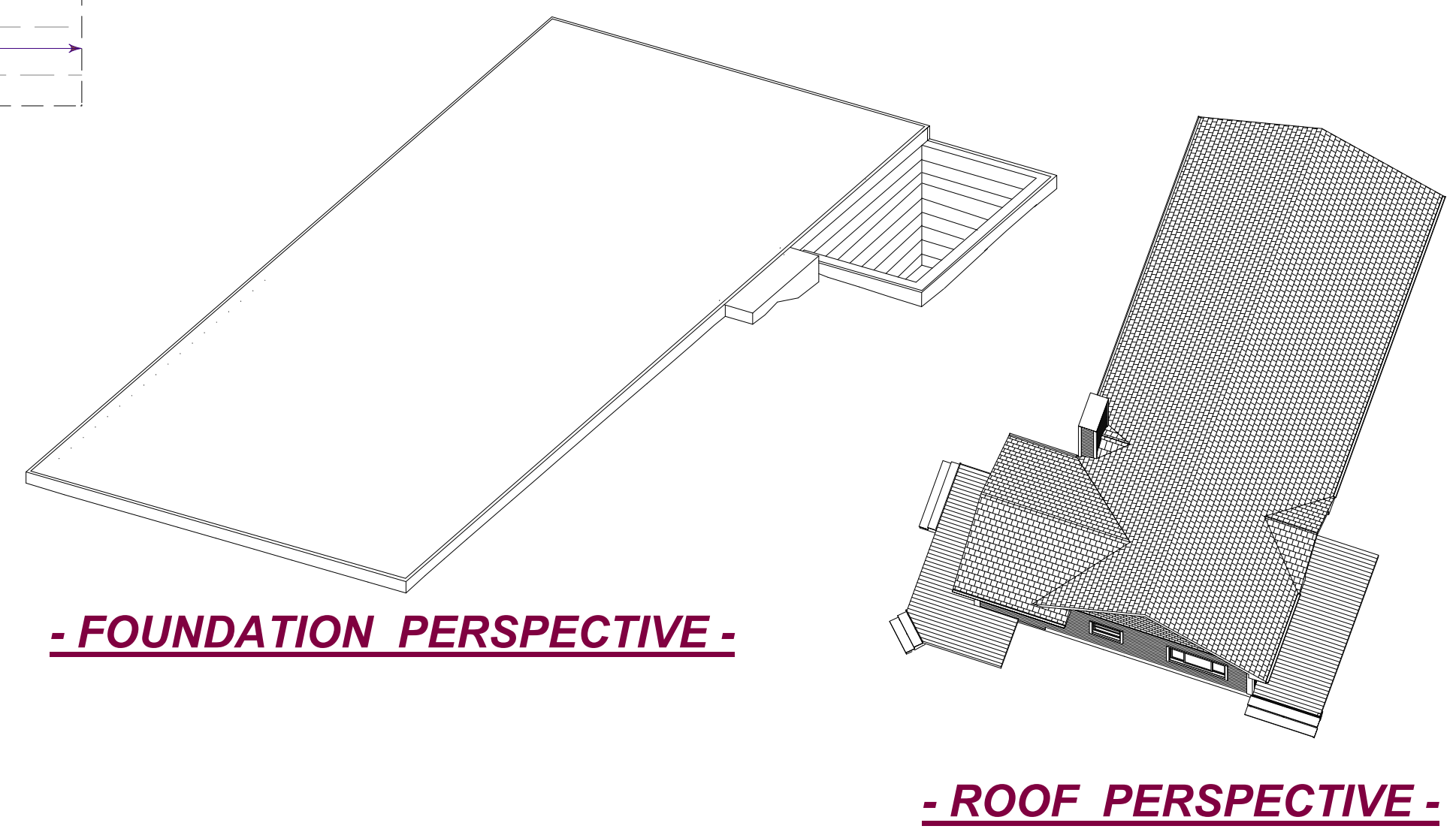
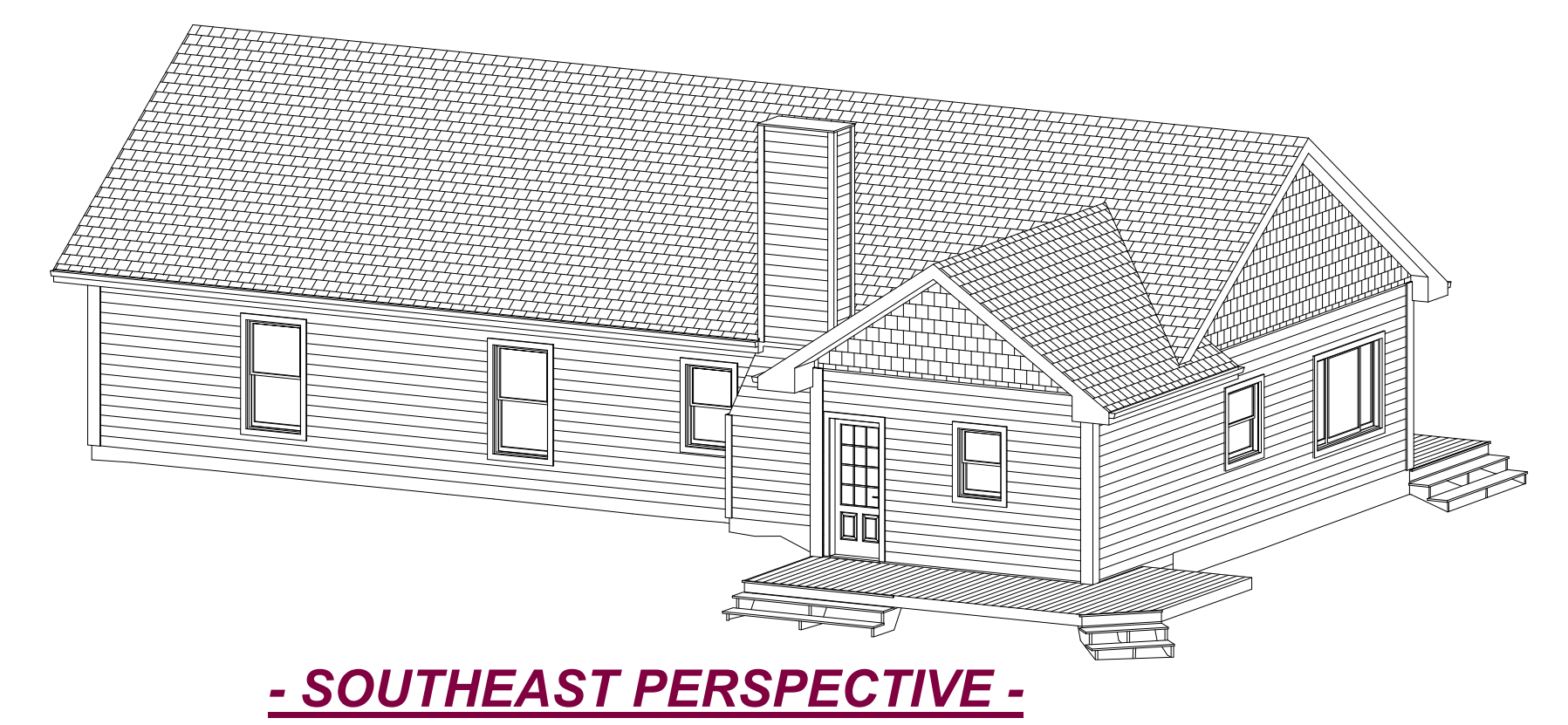
- EXISTING 20 FT X 8 FT DECK - FIELD VERIFY



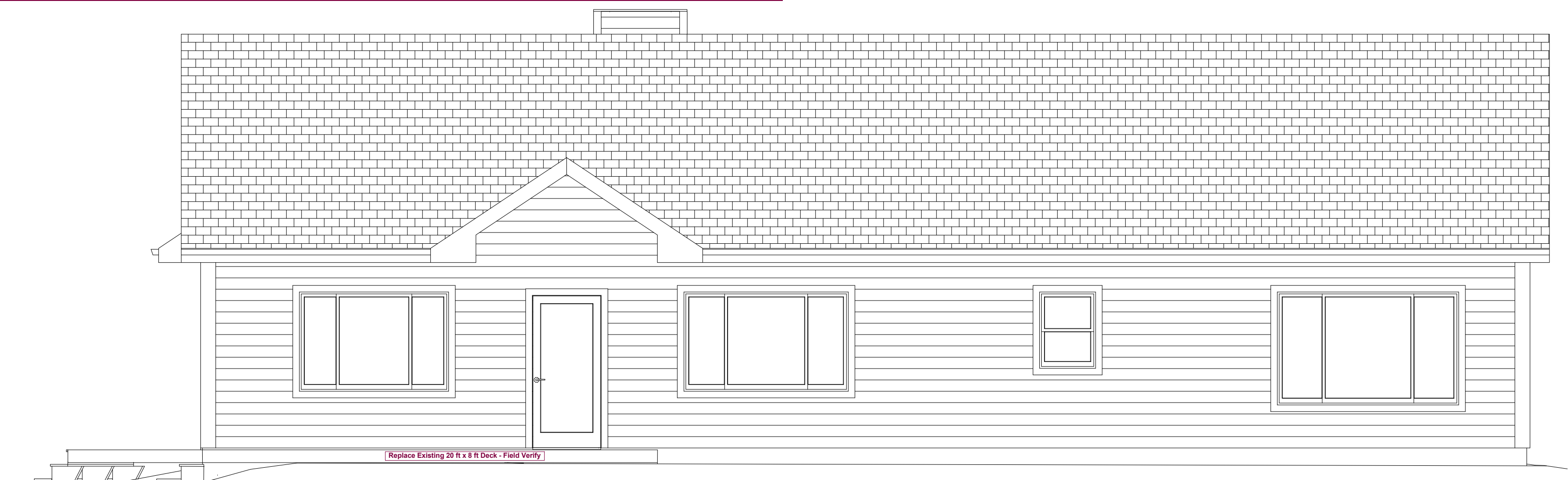
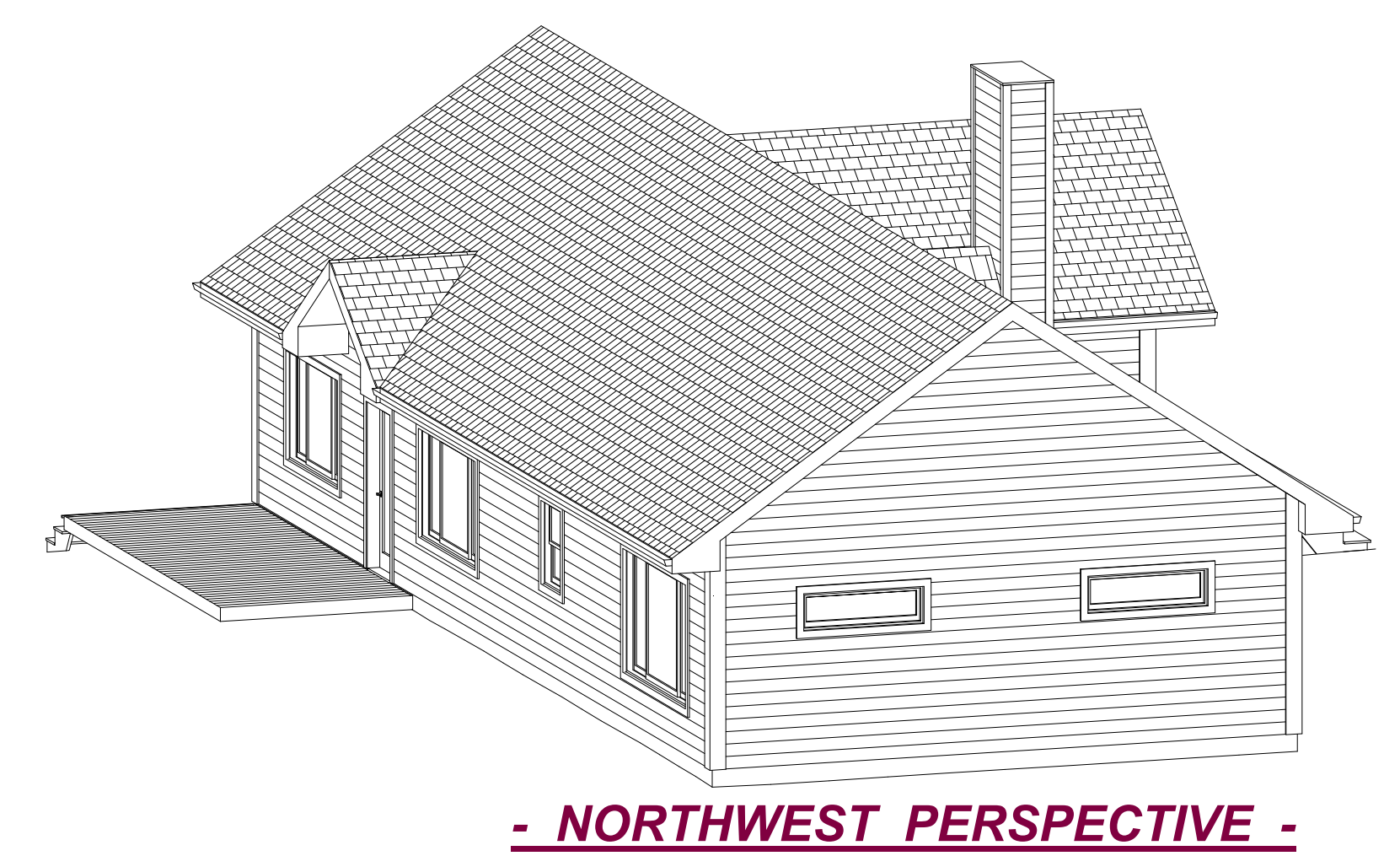
**- EXISTING FOUNDATION FOOTPRINT -**



**- REMODEL FOUNDATION with ADDITION FOOTPRINT -**



**- ROOF PERSPECTIVE -**

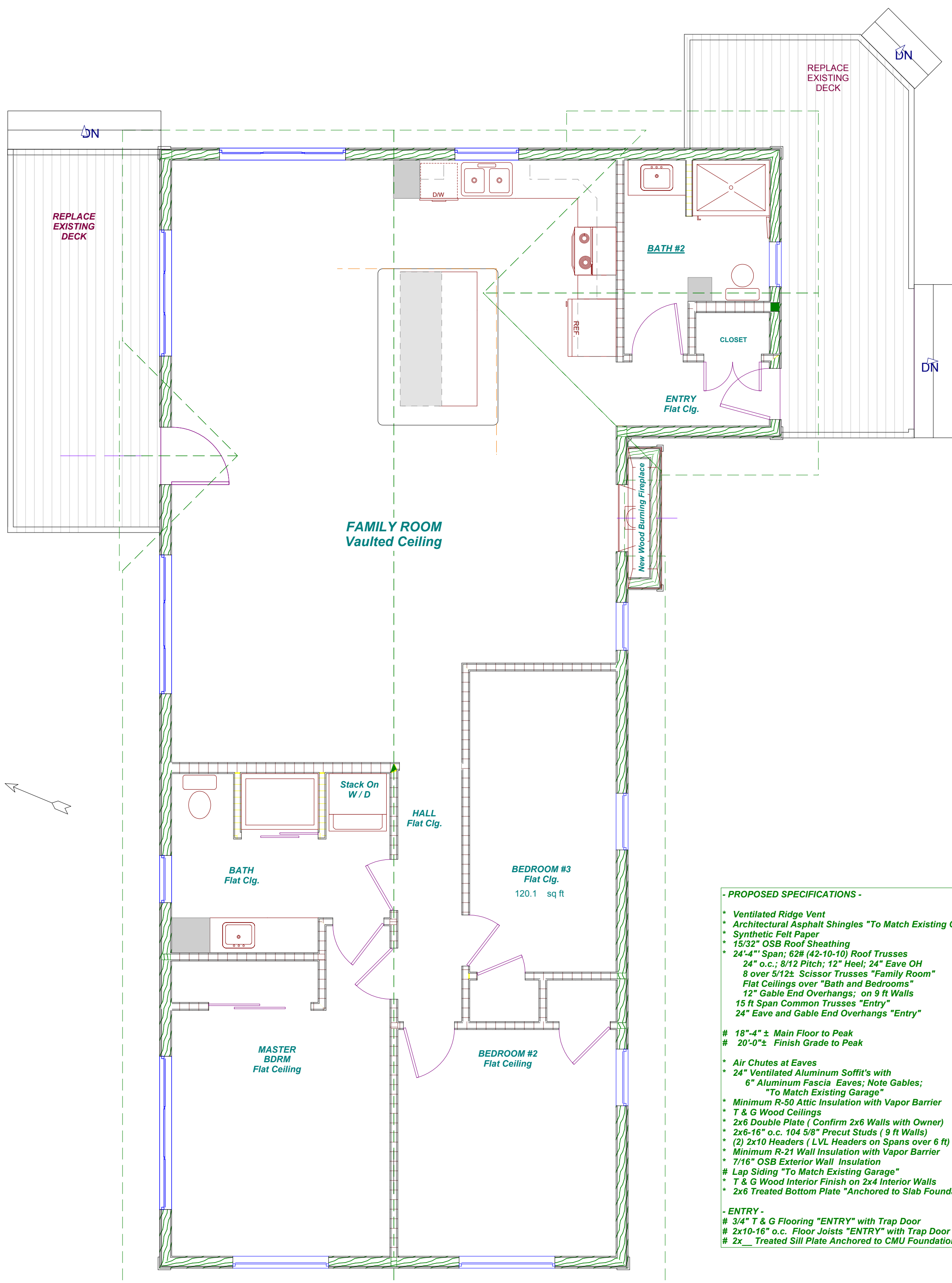


**NOTE: ALL BUILDERS, SUBCONTRACTORS, ETC TO MEET ALL APPLICABLE CODES**

**FIELD VERIFY EXISTING STRUCTURE SIZE, FRAMING, FOUNDATION ETC. MAKE NECESSARY ADJUSTMENTS**

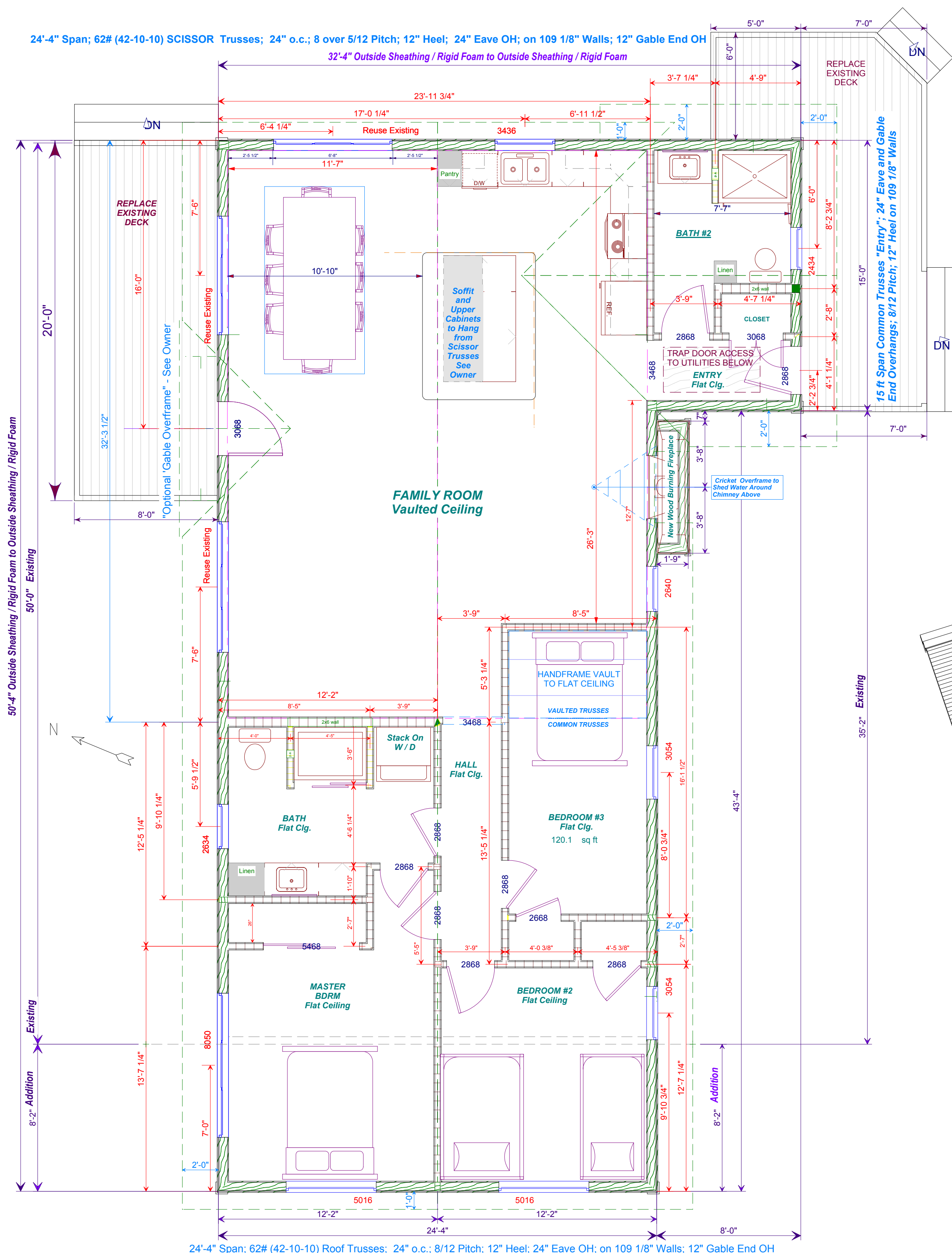
**TOM PRIOR  
43727 320th PLACE NORTH  
GUN LAKE  
AITKIN (COUNTY) MINNESOTA**



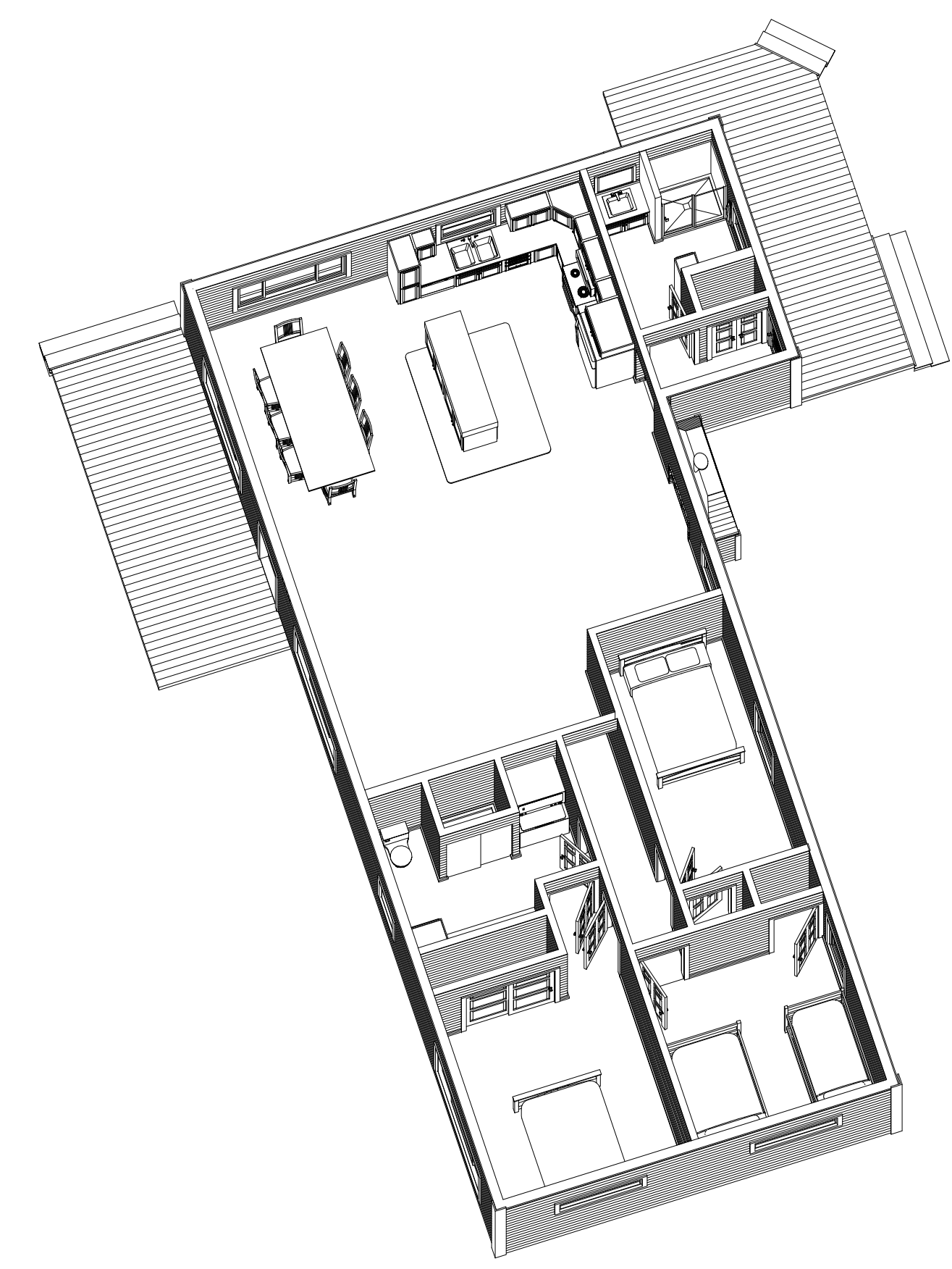


**- ELECTRICAL WORKSHEET FOOTPRINT -**

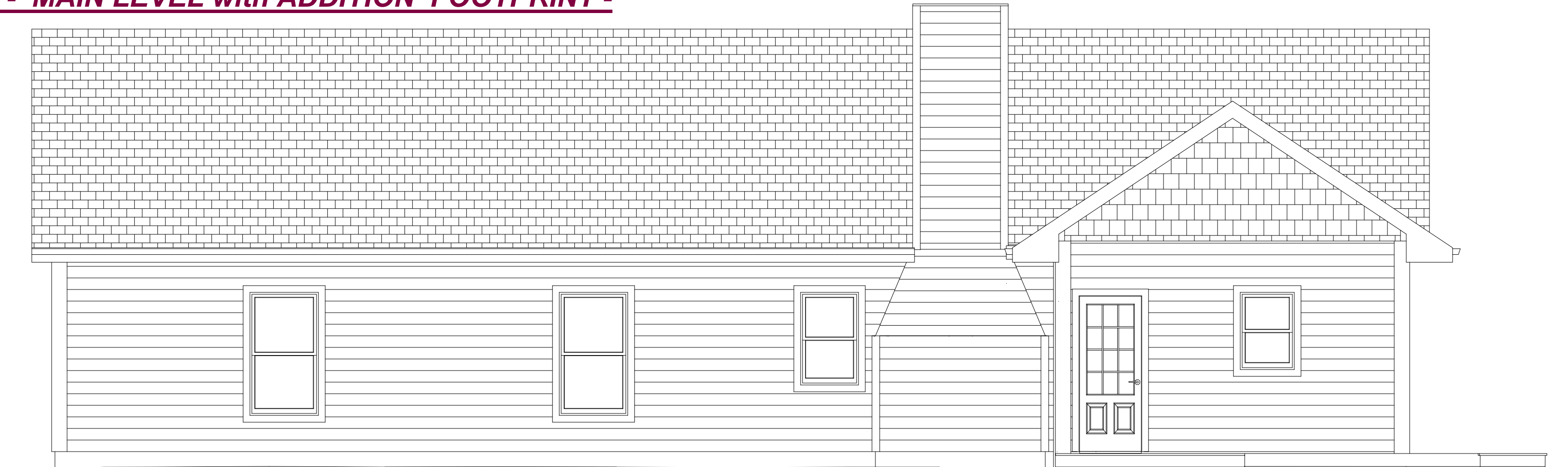
- PROPOSED SPECIFICATIONS -**
- Ventilated Ridge Vent
  - Architectural Asphalt Shingles "To Match Existing Garage"
  - Synthetic Felt Paper
  - 15/32" OSB Roof Sheathing
  - 24'-4" Span; 62# (42-10-10) Roof Trusses
  - 24" o.c.; 8/12 Pitch; 12" Heel; 24" Eave OH
  - 8 over 5/12s Scissor Trusses "Family Room"
  - Flat Ceilings over "Bath and Bedrooms"
  - 12" Gable End Overhangs; on 9 ft Walls
  - 15 ft Span Common Trusses "Entry"
  - 24" Eave and Gable End Overhangs "Entry"
- # 18'-4" ± Main Floor to Peak**
- # 20'-0" ± Finish Grade to Peak**
- Air Chutes at Eaves
  - 24" Ventilated Aluminum Soffits with 6" Aluminum Fascia; Eaves; Note Gables; "To Match Existing Garage"
  - Minimum R-50 Attic Insulation with Vapor Barrier
  - T & G Wood Ceilings
  - 2x6 Double Plate (Confirm 2x6 Walls with Owner)
  - 2x6-16" o.c. 104 5/8" Precut Studs (9 ft Walls)
  - (2) 2x10 Headers (LVL Headers on Spans over 8 ft)
  - Minimum R-21 Wall Insulation with Vapor Barrier
  - 7/16" OSB Exterior Wall Insulation
  - Lap Siding "To Match Existing Garage"
  - T & G Wood Interior Finish on 2x4 Interior Walls
  - 2x6 Treated Bottom Plate "Anchored to Slab Foundation"
- ENTRY -**
- 3/4" T & G Flooring "ENTRY" with Trap Door
  - 2x10-16" o.c. Floor Joists "ENTRY" with Trap Door
  - 2x... Treated Sill Plate Anchored to CMU Foundation



**- MAIN LEVEL with ADDITION FOOTPRINT -**



**- RIGHT SIDE / SOUTHWEST ELEVATION -**



**- REAR / DRIVEWAY / SOUTHEAST ELEVATION -**



Narrative for Prior Addition 3/24/24  
Variance

This building was built in 1964. We purchased the property in 2004, it needed some TLC. Unfortunately, the main beam under the floor was in need of replacement as it was ready to cave in. The existing floor joist had quite a bit of decay and rot. We were able to temporarily fix these issues, all of the patching, caulking, nails, and screws have kept the cabin standing. However, after a recent inspection, mold is quite obvious on all of the joists (this is just a crawl space with rocks and gravel). We suspect this large amount of mold could be the reason some family members have gotten coughs after being there for a couple of days.

After Owning the property for 20 years it is no longer viable to continue to patch caulk and nail. The mice, snakes and flying ants continue to invade. The current building is not even close to being built to MN building Code. The electrical wiring is sketchy, no exterior sheathing or house wrap, no interior vapor barrier, 2 x 4" construction, no insulation in the floor or ceiling, mice have mostly destroyed insulation in the walls, No Egress windows as required, and no closet space.

However, it does have a good block foundation. Moving the cabin back to meet the setback requirements would eliminate Parking, waste resources, and destroy the well location.

Our goal with this project is not to have this big monsteras cabin. We are keeping the same foot print, matching what is there as close as possible, keeping the integrity of the rustic cabin that we have come to love. We will reuse the existing footing, but update the floor with concrete, with in floor heat, 2x 6 walls, Trusses so the ceiling can have insulation so it can be energy efficient. We would like to update the bedrooms with closets, this is why we want to add 8'. We would like to spend more time there in the winter, thus the need for more insulation. We would regrade the area around the building for better water management.

This project will need to be completed at some point. After 60 years, it is now time. It could be put off for the next buyer, but we love this cabin, lake community and neighbors. To be completed not only to code, but with a connection to the lake life here will ensure we are building to enhance the future for all parties involved.

Thank You for your Support  
Tom & Tawnia Prior

# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

## Aitkin County Environmental Services

307 Second St. NW, Room 219, Aitkin, MN 56431

Phone: 218.927.7342 Fax: 218.927.4372

www.co.aitkin.mn.us

*Prion*

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

Setback issues for a proposed new structure: **Complete Section 1**

Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**

Setback issues for a septic system: **Complete Section 3**

Land alteration: **Complete Section 4**

Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**

Other: attach separate sheet explaining variance request

### Section 1 – New Structure(s)

Check all that apply and fill in requested information:

Basement

One Story Level

Crawlspace

Story-and-a-Half Level

Walk-out Basement

2<sup>nd</sup> Story Level

Proposed # of Bedrooms \_\_\_\_\_

Proposed Structure Height \_\_\_\_\_ ft.

Existing Total Building Coverage \_\_\_\_\_%

Proposed Total Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Prior

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

### Section 2 – Alteration(s) to Existing Nonconforming Structure(s)

Check all that apply and fill in requested information:

#### Existing Structure

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

#### Proposed Addition(s)

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level *slab on grade*  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height 7 ft.  
 Existing # of Bedrooms 3  
 Existing Building Coverage \_\_\_\_\_% 4.579%  
 Existing Total Impervious Surface Coverage 9.15%

Proposed Addition(s) Height 9 ft.  
 Final # of bedrooms after remodel 3  
 Proposed Building Coverage \_\_\_\_\_% 4.961%  
 Proposed Total Impervious Surface Coverage \_\_\_\_\_% 9.518%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

<u>Cabin</u>	<u>1320</u>	
<u>Garage</u>	<u>832</u>	<u>Septic</u> <u>2400</u>
<u>Shed</u>	<u>140</u>	
<u>Wood Shed</u>	<u>96</u>	
<u>New addition</u>	<u>192</u>	

Prior

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

**Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

**Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

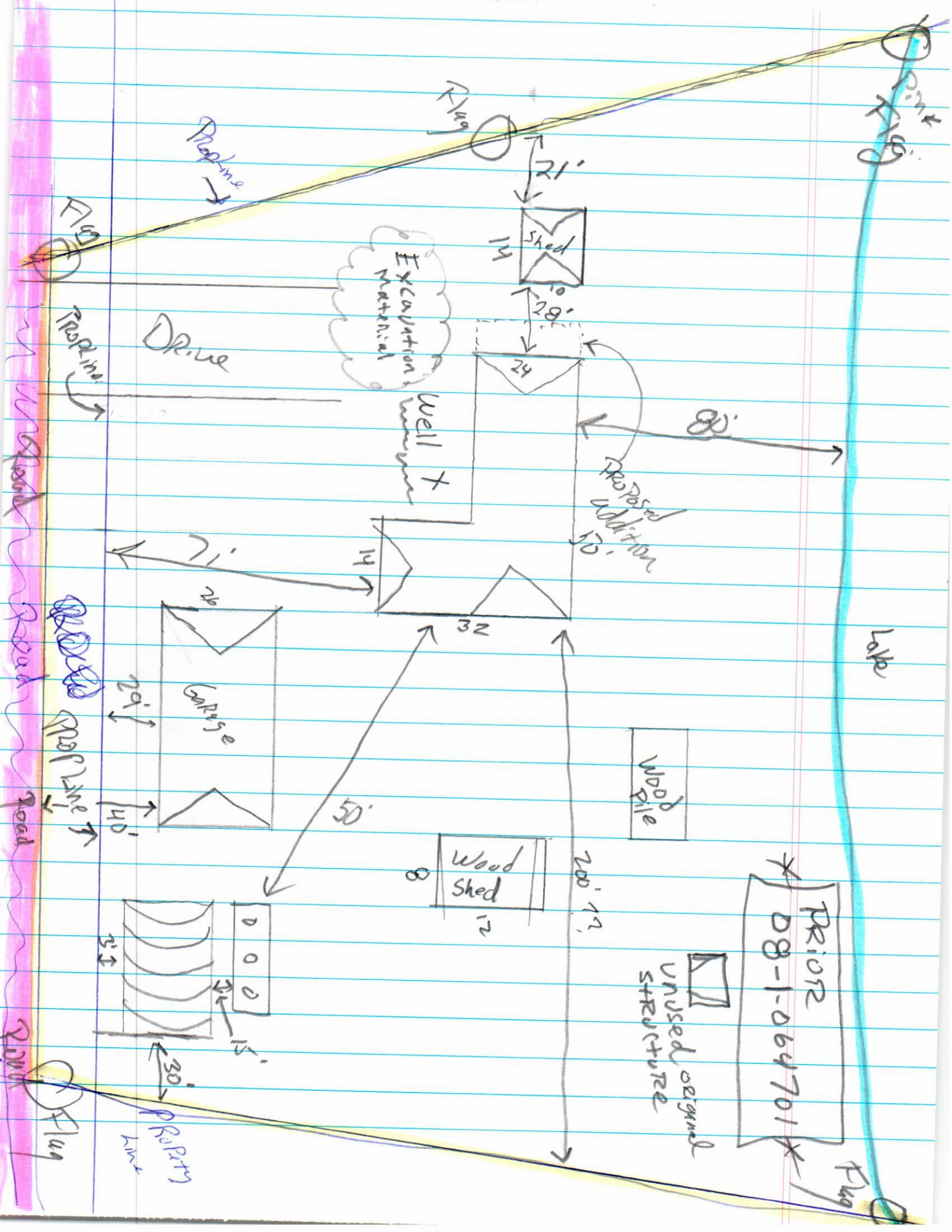
_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
<input checked="" type="checkbox"/> Other: <u>Black dirt around Foundation</u>	Total Cubic Yds. <u>20 27</u>

**Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	

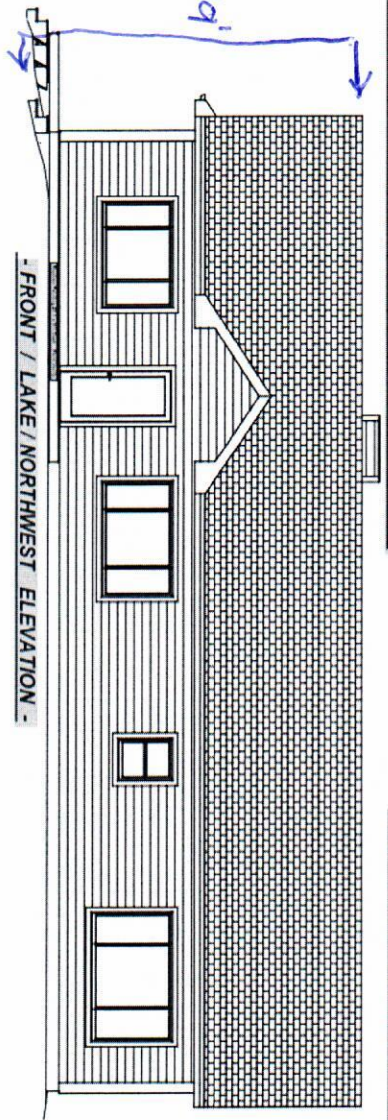
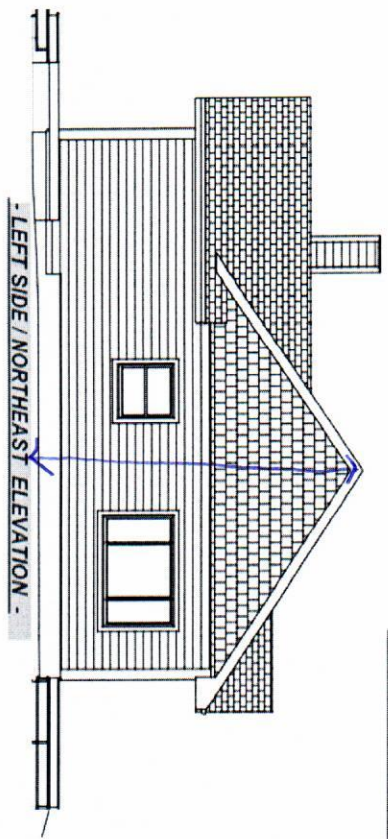






- RENOVEL FOUNDATION WITH ADDITION FOURPINKI -

- NORTHWEST PERSPECTIVE -



19'

19'

- LEFT SIDE / NORTHEAST ELEVATION -

- FRONT / LAKE / NORTHWEST ELEVATION -

System status: COMPLIANT

Date: 1/22/24

Property owner: TOM PRIOR

Ordered by: TOM

Address: 43727 320TH PL

Property ID: 08-1-064701

System pumped by: ~~TIMBER LAKES~~

A compliance inspection was conducted at the above location and date. Soil evaluation was done to determine the level of seasonal saturated soil. The soil treatment area (drain field) was also inspected to ensure there was no ponding or leaking. The septic tank was then pumped and inspected. The following pages include the state of Minnesota's septic compliance forms.

**Disclaimer:** The septic system inspection meets all **MPCA** requirements for a compliance inspection. It is recommended to have the system serviced every **36 months** by a septic professional to ensure the correct treatment of wastewater. The inspection does not guarantee future performance, any additions to the home or increased use of water may require an increase to system capacity.

Thank you for your business!

218 Septic

Owner Raini Kohl

(218)-851-2013



# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

**Instructions:** Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

### Property information

Parcel ID# or Sec/Twp/Range: 08-1-064701 Local tracking number: \_\_\_\_\_  
 Reason for Inspection: permit  
 Local regulatory authority info: Aitkin county  
 Property address: 43727 320<sup>th</sup> place  
 Owner/representative: Tom Prior Owner's phone: 612-328-4673  
 Brief system description: 1500 combo to 10x38 mound

### System status

System status on date (mm/dd/yyyy): 1/22/2024

**Compliant – Certificate of compliance\***

*(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

**\*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

**Noncompliant – Notice of noncompliance**

*Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.*

*An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.*

#### Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

#### Comments or recommendations

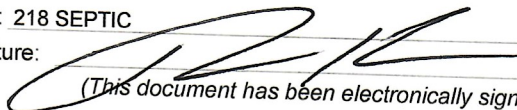
### Certification

*I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.*

**By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.**

Business name: 218 SEPTIC

Inspector signature: \_\_\_\_\_



*(This document has been electronically signed)*

Certification number: C2703

License number: L4197

Phone: 218-851-2013

### Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): site map drawing

Property Address: 43727 320<sup>th</sup> place

Business Name: 218 SEPTIC

Date: 1/22/2024

### 1. Impact on public health – Compliance component #1 of 5

**Compliance criteria:**

System discharges sewage to the ground surface	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

*Any "yes" answer above indicates the system is an imminent threat to public health and safety.*

**Describe verification methods and results:**

probed drainfield

**Attached supporting documentation:**

- Other: \_\_\_\_\_
- Not applicable

### 2. Tank integrity – Compliance component #2 of 5

**Compliance criteria:**

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

*Any "yes" answer above indicates the system is failing to protect groundwater.*

**Describe verification methods and results:**

**Attached supporting documentation:**

- Empty tank(s) viewed by inspector
  - Name of maintenance business: timber lakes
  - License number of maintenance business: L455
  - Date of maintenance: \_\_\_\_\_
- Existing tank integrity assessment (Attach)
  - Date of maintenance 8/30/2023  
(mm/dd/yyyy): (must be within three years)
  - (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: \_\_\_\_\_



Property Address: 43727 320<sup>th</sup> place

Business Name: 218 SEPTIC

Date: 1/22/2024

### 3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes  No  Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety?  Yes\*  No  Unknown

*\*Yes to 3a or 3b - System is an imminent threat to public health and safety.*

3c. System is non-protective of ground water for other conditions as determined by inspector?  Yes\*  No

3d. System not abandoned in accordance with Minn. R. 7080.2500?  Yes\*  No

*\*Yes to 3c or 3d - System is failing to protect groundwater.*

Describe verification methods and results:

Attached supporting documentation:  Not applicable

### 4. Operating permit and nitrogen BMP\* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit?  Yes  No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design?  Yes  No If "yes", B below is required

*BMP = Best Management Practice(s) specified in the system design*

***If the answer to both questions is "no", this section does not need to be completed.***

**Compliance criteria:**

a. Have the operating permit requirements been met?  Yes  No

b. Is the required nitrogen BMP in place and properly functioning?  Yes  No

*Any "no" answer indicates noncompliance.*

Describe verification methods and results:

Attached supporting documentation:  Operating permit (Attach)

### 5. Soil separation – Compliance component #5 of 5

Date of installation 07/08/2005  Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**Compliance criteria (select one):**

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:  Yes  No\*

Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:  Yes  No\*

Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.\*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day)  Yes  No\*

Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

**Attached supporting documentation:**

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Indicate depths or elevations**

A. Bottom of distribution media	+2'
B. Periodically saturated soil/bedrock	1.6'
C. System separation	3.6'
D. Required compliance separation*	3'

\*May be reduced up to 15 percent if allowed by Local Ordinance.

*\*Any "no" answer above indicates the system is failing to protect groundwater.*

**Describe verification methods and results:**

**Upgrade requirements:** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.



**Purpose:** This form may be used to certify the compliance status of the sewage tank components of the SSTS. This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional. SSTS compliance inspection report forms can be found at <https://www.pca.state.mn.us/water/inspections>

**Instructions:** This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes necessary supporting documentation to an Existing System Compliance Inspection Report: Compliance inspection form - Existing system (wq-wwists4-31b). This form can be found on the MPCA website at <https://www.pca.state.mn.us/water/inspections>.

The information and certified statement on this form is required when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4(B)(1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4(B),(C), and (D) and, Minn. R. 7083.0730(C).

### Owner information

Owner/Representative: Prior, Tom

Property address: 43727 320<sup>th</sup> Place

Local Regulatory Authority: Aitkin County

Parcel ID: 08-1-064701

### System status

System status on date (mm/dd/yyyy): 8/30/2023

Certificate of sewage tank compliance

Notice of sewage tank non-compliance

#### Compliance criteria:

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."

Yes\*  No

The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."

Yes\*  No

The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "Imminent Threat to Public Health or Safety."

Yes\*  No

Any "yes" answer above indicates sewage tank non-compliance.

### Company information

Company name: Timber Lakes Septic Service Inc

Business license number: L455

### Designated Certified Individual (DCI) information

Print name: Dan Swanson

Certification number: C6023

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.

By typing/signing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Designated Certified Individual's signature: Dan Swanson

(This document has been electronically signed.)

Date (mm/dd/yyyy): 8/30/2023

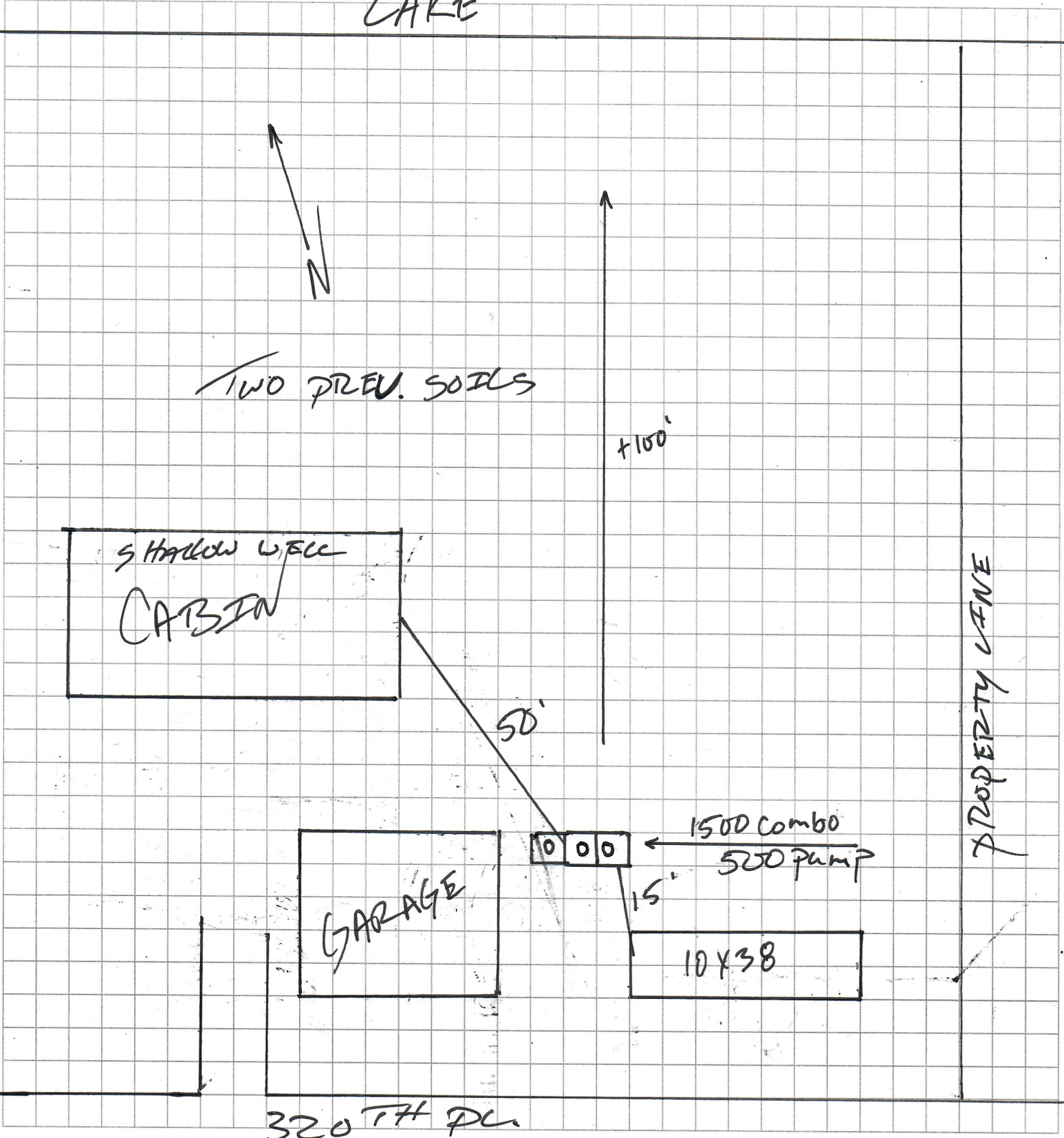




PARCEL #	08-1-064701
DATE	1/22/24

LICENSE -L4197

LAKE





**FIELD EVALUATION SHEET**

PRELIMINARY EVALUATION DATE 4-20-05, FIELD EVALUATION DATE 6-5-05  
PROPERTY OWNER: TOM PRIOR PHONE 763-927-6447  
ADDRESS: \_\_\_\_\_ CITY, STATE, ZIP: \_\_\_\_\_  
LEGAL DESCRIPTION: PART OF LOT 1 1ST ADDN. TO BREEZY ACRES  
PIN# \_\_\_\_\_ SECIS T 48 R 25 TWP NAME FLEMING  
FIRE# — LAKE/RIVER GUN LAKE LAKE CLASS 60 OHWL \_\_\_\_\_ FT.

**DESCRIPTION OF SOIL TREATMENT AREAS**

	AREA #1	AREA #2	REFERENCE BM ELEV. <u>100</u> FT.
DISTURBED AREAS	YES _____ NO <u>X</u>	YES _____ NO _____	REFERENCE BM DESCRIPTION
COMPACTED AREAS	YES _____ NO <u>X</u>	YES _____ NO _____	<u>SIDING OF HOUSE @ BOTTOM</u>
FLOODING	YES _____ NO <u>X</u>	YES _____ NO _____	_____
RUN ON POTENTIAL	YES _____ NO <u>X</u>	YES _____ NO _____	_____
SLOPE %	<u>4%</u>	_____	_____
DIRECTION OF SLOPE	<u>NE</u>	_____	_____
LANDSCAPE POSITION	_____	_____	_____
VEGETATION TYPES	<u>RED OAK POPLAR MAPLE</u>		

DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 20", 1A 24", 2 \_\_\_\_\_, 2A \_\_\_\_\_

BOTTOM ELEVATION--FIRST TRENCH OR BOTTOM OF ROCK BED: #1 \_\_\_\_\_ FT., #2 \_\_\_\_\_ FT.

SOIL SIZING FACTOR: SITE #1 1.27, SITE #2 \_\_\_\_\_

CONSTRUCTION RELATED ISSUES: REPLACE MENT SEPTIC

IC# 1589 SITE EVALUATOR SIGNATURE: Craig Koryolatt

SITE EVALUATOR NAME: CRA TELEPHONE# \_\_\_\_\_

BUG REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

Comments: (i) Rockbed must be 15' from ROW pins and property line,

Soils verified by Rick & Becky 2005

SOIL BORING LOGS ON REVERSE SIDE

RR  
Reviewed  
6-30-05



# SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

1 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0-3"	TOP SOIL	
3-18	SAND	10YR 5/4

2 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0-8"	TOP SOIL	
8-24"	SAND	10YR 3/4

1 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR

2 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR

ADDITIONAL SOIL BORINGS MAY BE REQUIRED



# INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM AITKIN COUNTY, MINNESOTA

Township Fleming Date of Inspection 7/8/05 Permit Number 33067  
 Owner Thomas Prior Parcel Number 08-1-06470  
 Project Address lot 1 as in Doc 359998 Installer Craig Kenjahl  
 City \_\_\_\_\_ Zip Code \_\_\_\_\_ New \_\_\_\_\_ Repair

**SETBACKS:**

Buildings to tank(s) 70'  
 Buildings to drainfield 100'  
 Well(s) 50' or 100' 50' + 100'  
 Lake/Creek/Wetland 150

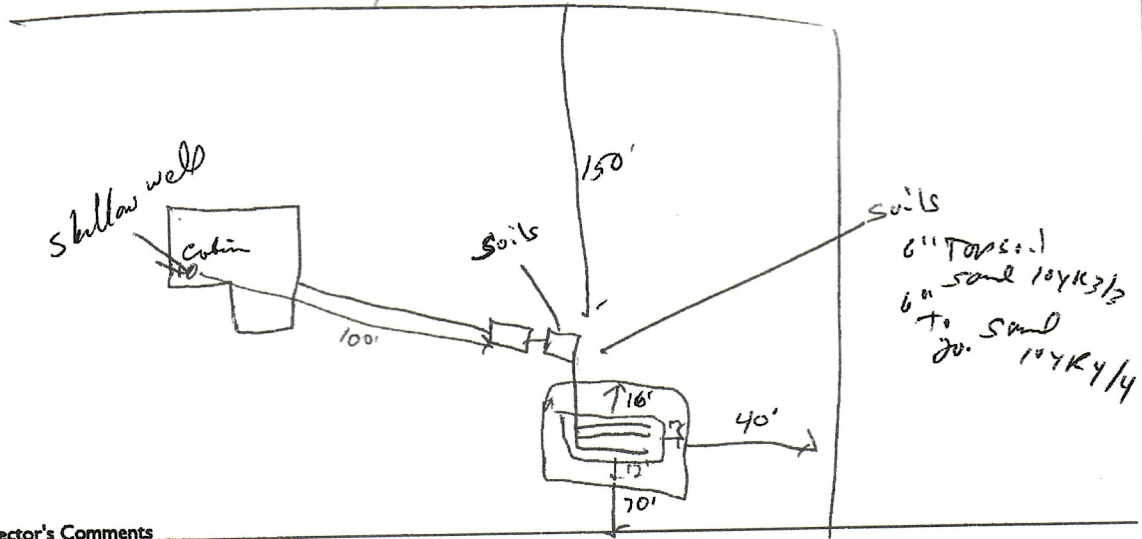
**SEPTIC TANKS:**

Liquid capacity 1500 Combo  
 Manufacturer & type Ping pre-cast  
 Type of baffle plastic  
 Inspection pipes 1-4"  
 Manholes access 2  
 No. & height of risers 3

**MOUNDS:**

Percent slope 3%  
 Upslope dike width 12'  
 Downslope dike width 16'  
 Sideslope dike width 10'  
 Drainfield rock below pipe 9"  
 Depth of sand below rock 18"  
 Perforation size & spacing 4-3'  
 Pipe size & spacing 1 1/2 - 3/4 intervals  
 Dimensions of rock bed 10 x 38  
 Dimensions of sand base 38 x 62  
 Final cover 16" in center 18" on back edge

**DRAWING OF SYSTEM**



**DIST. or DROP BOX & TYPE**

**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**

Trench depth \_\_\_\_\_  
 Trench length \_\_\_\_\_  
 Trench bottom width \_\_\_\_\_  
 Trench bottom level \_\_\_\_\_  
 Trench spacing \_\_\_\_\_  
 Drainfield rock below pipe \_\_\_\_\_  
 Size of gravelless pipe \_\_\_\_\_  
 Depth of backfill \_\_\_\_\_  
 Absorption area: square feet \_\_\_\_\_  
 lineal feet \_\_\_\_\_

**PUMPS:**

Tank capacity 580  
 Tank manufacturer & type Ping pre-cast  
 No. & height of risers 1-4"  
 Pump manufacturer & model# Liberty  
 Horsepower & GPM 1/10 - 40  
 Feet of head 14  
 Cycles per day 5  
 Gallons per cycle 100  
 Size of discharge line 2"  
 Type of electrical hookup post  
 Type & location of alarm slac  
 Cycle counter (commercial) \_\_\_\_\_

Inspector's Comments \_\_\_\_\_

Corrective Action Required \_\_\_\_\_

Inspector's Signature [Signature] White-County Yellow-Applicant Pink-Installer  
 Installer's Signature [Signature]



**AITKIN COUNTY SHORELAND PERFORMANCE**  
(Structure Placement Guidance)

*Prior*

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) ..... 1: RD
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) ..... 2: 100
- 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought..... 3: 80
- 4) Enter the corresponding 'Score Multiplier' ..... 4: 1.00
- 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... 5: 80

Reference Table: Performance Multipliers for structures, septics, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	(30' setback)	(10' setback)
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		
					3.33	10.000

**Mitigation:** To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c)..... **15 points** ✓
- Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c)..... **30 points**
- B) Zone B: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **20 points**
- C) Zone C: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **10 points**
- D) Construction of rain garden(s) to Wisconsin DNR Manual specifications..... **20 points**
- E) Removal of all other structures that do not meet the standard building setbacks, including water oriented structures..... **20 points**
- F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A)..... **10 points**
- G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed..... **10 points**
- H) Re-vegetate bluff or steep slopes\* and provide screening of structures from the lake. .... **10 points**
- I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary ..... **10 points**
- J) Existing conditions may apply on the property that warrant credit..... *To be determined by P&Z*

**Final Score** = Pre-mitigation Lot Score (Line 5) 80 + Mitigation Totals (Lines A-I) 30 = 110

\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years

Board of Adjustment Chairperson

*[Signature]*  
Applicant



# EROSION CONTROL PLAN CHECKLIST

Check the box if completed (leave empty if not applicable).  
All items checked must be included on the site diagram.

## Site Characteristics

- North arrow, scale, and site boundary. Indicate and name adjacent streets or roadways.
- Location of existing drainageways, streams, rivers, lakes, wetlands or wells.
- Location of storm sewer inlets.
- Location of existing and proposed buildings and paved areas.
- The disturbed area on the lot.
- Approximate gradient and direction of slopes before grading operations.
- Approximate gradient and direction of slopes after grading operations.
- Overland runoff (sheet flow) coming onto the site from adjacent areas.

## Erosion Control Practices

- Location of temporary soil storage piles.  
Note: Soil storage piles should be placed behind a sediment fence, a 10 foot wide vegetative strip, or should be covered with a tarp or more than 25 feet from any downslope road or drainageway.
- Location of access drive(s) (driveways, turnarounds, approaches, etc.)
- Location of sediment controls (filter fabric fence, straw bale fence or 10-foot wide vegetative strip) that will prevent eroded soil from leaving the site.
- Location of sediment barriers around on-site storm sewer inlets.
- Location of diversions.  
Note: Although not specifically required by code, it is recommended that concentrated flow (drainageways) be diverted (re-directed) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. should also be diverted around disturbed areas.
- Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade).  
Note: Such practices include maintaining existing vegetation, placement of additional sediment fences, diversions, and re-vegetation by sodding or seeding with use of erosion control mats.  
*Slope maximize 5%*
- Location of practices that will control erosion on areas of concentrated runoff flow.  
Note: Unstabilized drainageways, ditches, diversions, and inlets should be protected from erosion through use of such practices as in-channel fabric or straw bale barriers, erosion control mats, staked sod, and rock rip-rap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial streams (streams with year round flow).
- Location of other planned practices not already noted.

Check the box if completed (leave empty if not applicable).  
All items checked must be included on the site diagram.



## Management Strategies

- Temporary stabilization of disturbed areas.  
Note: It is recommended that disturbed areas and soil piles left inactive for extended periods of time be stabilized by seeding (between April 1 and September 15), or by other cover, such as tarping or mulching.
- Permanent stabilization of site by re-vegetation or other means as soon as possible (lawn establishment).
  - Indicate re-vegetation method: (Circle one of the following) Seed Sod  
Other \_\_\_\_\_
  - Expected date of permanent re-vegetation: Sept 15<sup>th</sup>
  - Re-vegetation responsibility of: (Circle one of the following)  
Builder Owner/Buyer
  - Is temporary seeding or mulching planned if site is not seeded by Sept. 15 or sodded by Nov. 15? (Circle one of the following) Yes No
- Use of downspout and/or sump pump outlet extensions.  
Note: It is recommended that flow from downspouts and sump pump outlets be routed through plastic drainage pipe to stable areas such as established sod or pavement.
- Trapping sediment during de-watering operations.  
Note: Sediment-laden discharge water from pumping operations should be ponded behind a sediment barrier until most of the sediment settles out.
- Proper disposal of building material waste so that pollutants and debris are not carried off-site by wind or water.
- Maintenance of erosion control practices.
  - Sediment will be removed from behind sediment fences and barriers before it reaches a depth that is equal to half the height of the barrier.
  - Breaks and gaps in sediment fences and barriers will be repaired immediately. Decomposing straw bales will be replaced (typical bale life is three months).
  - All sediment that moves off-site due to construction activity will be cleaned up before the end of the same workday.
  - All sediment that moves off-site due to storm events will be cleaned up before the end of the next workday.
  - Access drives will be maintained throughout construction.
  - All installed erosion control practices will be maintained until the disturbed areas they protect are stabilized.



# PART VII: STANDARD EROSION CONTROL PLAN

According to Aitkin County's Shoreland Management Ordinance, soil erosion control information needs to be included on the site plan which is submitted and approved prior to the issuance of zoning permits. The Standard Erosion Control Plan is provided to assist in meeting this requirement.

## Instructions:

1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. A cross section sheet is required for walkout basements and excavations into hillsides for determining volume of fill to be excavated.

Project Location 43727 320<sup>th</sup> Place North

Builder Tom Prior Owner Tom Prior

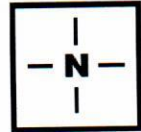
Worksheet Completed By Tom Prior Date 3/28/24

Amount of earthen material to be excavated and/or used for fill 20 yards cubic yards.

## SITE DIAGRAM

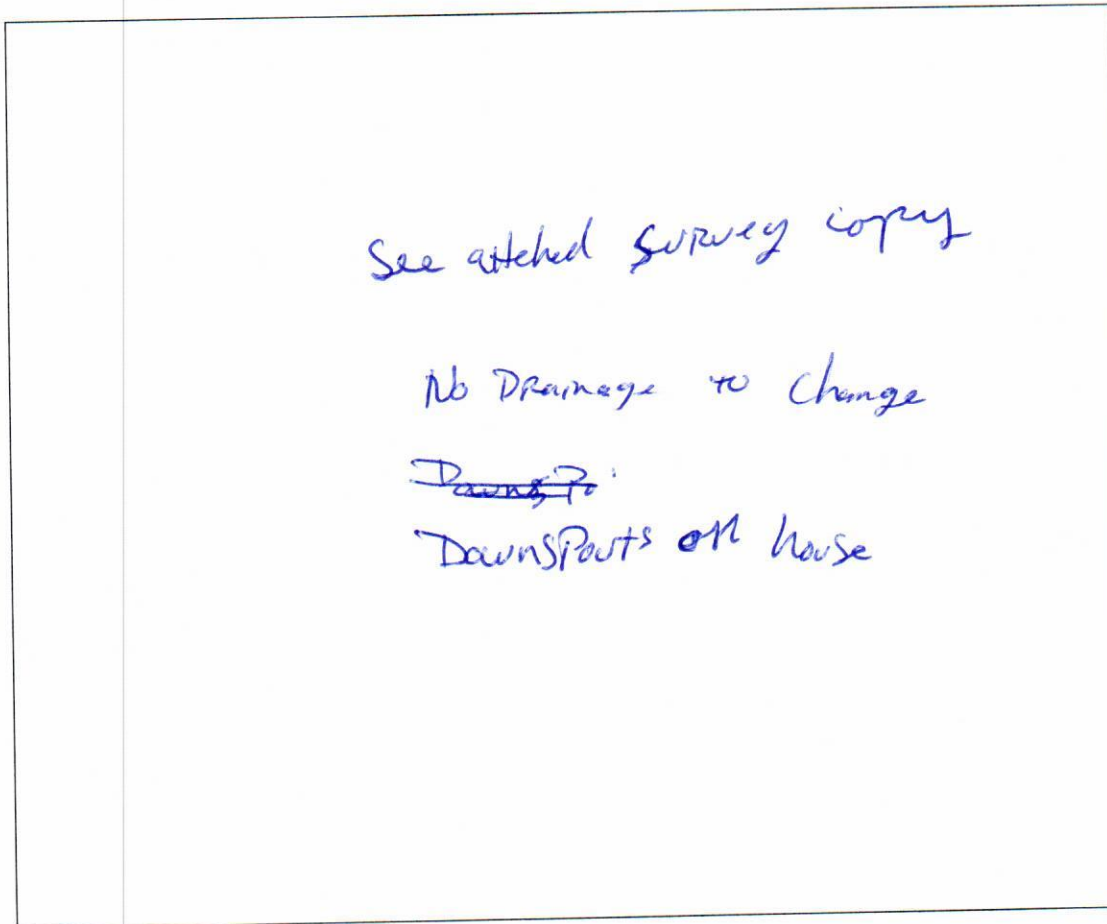
Scale 1 inch = \_\_\_\_\_ feet

Please indicate north by completing the arrow.



### EROSION CONTROL PLAN LEGEND






- PROPERTY LINE
- > EXISTING DRAINAGE
- > TD TEMPORARY DIVERSION
- > FINISHED DRAINAGE
- - - LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- ☒ GRAVEL
- ① VEGETATION SPECIFICATION
- ☒ TREE PRESERVATION
- ⊞ STOCKPILED SOIL

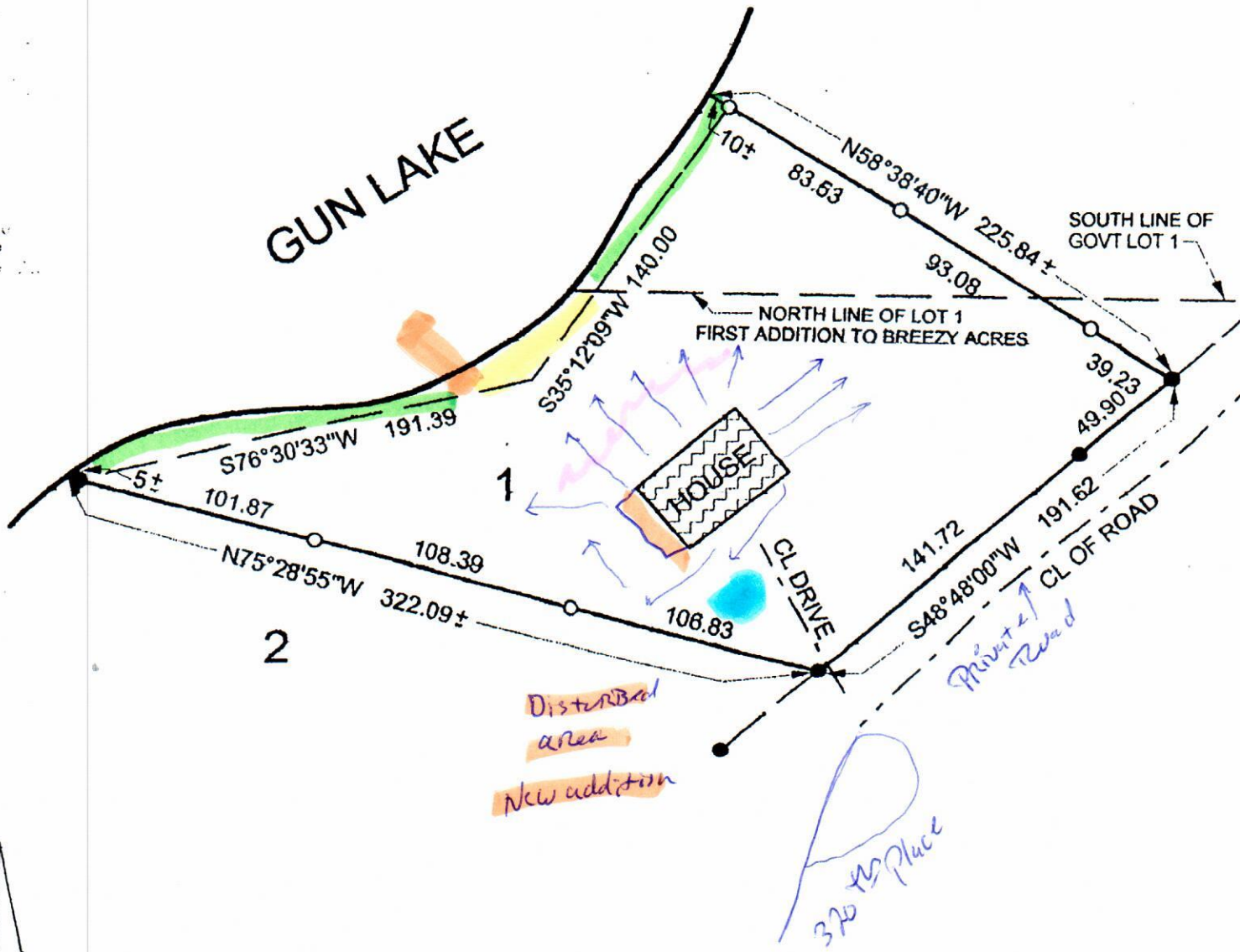




AITKIN COUNTY, MINNESOTA

Prior

-  20" high Berm
-  wooded area
-  Dock
-  Location of TEMP Soil
-  Sediment control straw spikes



SCALE : 1 INCH = 100 FEET

MARVIN KOHOUT  
 REGISTERED LAND SURVEY  
 PO BOX 384  
 AITKIN, MN 56431-0384  
 1-500-730-6673 OR



359998

FILED AUG 6 '04 AT 9:12 AM

Diane M. Lafferty, County Recorder

Minnesota Uniform Conveyancing Blanks  
Form No. 5-M-WARRANTY DEED  
Individual(s) to Joint Tenants

No delinquent taxes and transfer entered; Certificate of Real Estate Value

Filed  not required

Certificate of Real Estate Value No. 34315

Date: August 6, 2005

Neil Pearson  
County Auditor

by Judith Blomberg  
Deputy

STATE DEED TAX DUE HEREON: \$825.00  
Date: July 30, 2004

FOR VALUABLE CONSIDERATION, Richard J. Green and Kathryn A. Green FKA Kathryn A. Miller, Husband and Wife, Grantor, hereby convey(s) and warrant(s) to Thomas R. Prior and Tawnia K. Prior, Husband and Wife, Grantees as joint tenants, real property in Aitkin County, Minnesota, described as follows:

→ See Attached Exhibit A

A Well Certificate accompanies this document

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:  
Reservations, Declarations, Covenants, Restrictions, and Easements of record, if any.

Affix Deed Tax Stamp here

**AITKIN COUNTY DEED TAX**

No. 51 Date 8-6-04

225.00 Dollars Paid

Neil Pearson  
County Treasurer

By M. Br Deputy

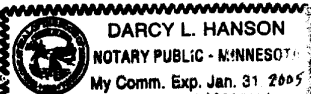
Richard J. Green  
Richard J. Green

Kathryn A. Green  
Kathryn A. Green FKA Kathryn A. Miller

STATE OF MINNESOTA  
COUNTY OF Crow Wing

The foregoing instrument was acknowledged before me this 30 day of July, 2004, by Richard J. Green and Kathryn A. Green, FKA Kathryn A. Miller, Husband and Wife, Grantor (s).

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)

 DARCYLE HANSON  
NOTARY PUBLIC - MINNESOTA  
My Comm. Exp. Jan. 31 2005

Diane M. Lafferty  
SIGNATURE OF PERSON MAKING  
ACKNOWLEDGMENT

Tax Statements for the real property described in this instrument should be sent to (Include name and address of Grantee)

Thomas R. Prior and Tawnia K. Prior  
4067 Eaken Avenue SE  
Delano, MN 55328

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS)

N-0400246  
Maximum Title Services, LLC  
24090 Smiley Road  
Suite 200  
Nisswa, MN 56468



EXHIBIT "A"

Abstract Property  
Aitkin County, Minnesota

Lot 1 of "First Addition to Breezy Acres", according to the filed plat there of, AND That part of Government Lot 1 of Section 16, Township 48, Range 25, described as follows: Commencing at the iron monument at the Northeast corner of Lot 1, First Addition to Breezy Acres, according to the filed plat thereof; thence North 89 degrees 35 minutes 53 seconds West, assumed bearing, 188.26 feet along the North line of Lot 1, said First Addition to Breezy Acres, to the point of beginning; thence North 89 degrees 35 minutes 53 seconds West 104.75 feet, more or less, to the shore of Gun Lake; thence northeasterly along said shore to a point that bears North 59 degrees 14 minutes 43 seconds West from the point of beginning; thence South 59 degrees 14 minutes 43 seconds East 85.89 feet, more or less, to the point of beginning.

AND

That part of Government Lot 1 of Section 16, Township 48, Range 25; and that part of Lot 1, First Addition to Breezy Acres, according to the filed plat thereof, described as follows: Commencing at the iron monument at the Northeast Corner of Lot 1, said First Addition to Breezy Acres; Thence South 48 degrees 42 minutes 07 seconds West, assumed bearing 50.00 feet along the easterly line of Lot 1, said First Addition to Breezy Acres, to the point of beginning; thence South 48 degrees 42 minutes 07 seconds West 50.00 feet continuing along the easterly line of Lot 1, said First Addition to Breezy Acres; thence North 59 degrees 14 minutes 43 seconds West 217.54 feet, more or less, to the shore of Gun Lake; thence northeasterly along said shore to a point that bears North 58 degrees 38 minutes 40 seconds West from the point of beginning; thence South 58 degrees 38 minutes 40 seconds East 229.85 feet, more or less, to the point of beginning.

EXCEPT

That part of Government Lot 1 of Section 16, Township 48, Range 25; and that part of Lot 1, First Addition to Breezy Acres, described as follows: Beginning at the iron monument at the Northeast corner of Lot 1, said First Addition to Breezy Acres; thence South 89°35'53" East, assumed bearing, 39.54 feet along the North line of Breezy Acres Road, said First Addition to Breezy Acres; thence North 33°49'40" East 104.30 feet to an iron monument; thence North 24°52'28" East 0.43 feet to an iron monument; thence North 61°23'09" West 270.07 feet, more or less, to the shore of Gun Lake; thence southwesterly along said shore to a point that bears North 58°38'40" West from a point on the easterly line of Lot 1, said First Addition to Breezy Acres, lying South 48°42'07" West 50.00 feet from the point of beginning; thence South 58°38'40" East 229.85 feet, more or less, to an iron monument on the easterly line of Lot 1, said First Addition to Breezy Acres; thence North 48°42'07" East 50.00 feet along said easterly line of Lot 1, to the point of beginning.

19.50  
88 19.50  
W.C. 84300  
24090 Smiley Road  
Suite 200  
8-6-9  
Mearns, Mn  
56468

RECORDED  
TRACT INDEX  
GRANTOR  
GRANTEE  
COMPARED

OFFICE OF COUNTY RECORDER  
AITKIN COUNTY, MINN.  
WELL CERTIFICATE RECEIVED  
WELL CERTIFICATE NOT REQUIRED

COUNTY RECORDER  
AITKIN COUNTY, MINNESOTA  
**FILED**

AUG 06 2004 AM

*Diane M. Coffey*  
As Doc. No.

359998



**Property Location**

Property:	Property Location			Legal Description			Property Attributes		Owner Information	Tax Payer Information
	Parcel Number	Property Address	Township or City Name	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name	Owner Name(s)	Taxpayer Name(s)
	07-0-014201		FARM ISLAND TWP	7.07 AC OF (NW NW) LOT 4 IN DOCS #243745 & 261981		S:7 T:46 R:27	RD	CEDAR LAKE (AITKIN/FI TWPS)	FOLLEN, TERRY & KIND, JUDITH	FOLLEN, TERRY & KIND, JUDITH
Driving directions to the proposed project from Aitkin:	22535 Cedar Lake Dr. West on 210 to county line Rd. Left or south on Cedar Lake Dr. to blue address sign.									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									



**Detailed Narrative**

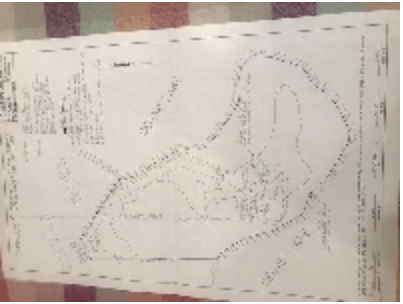
<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>Soft shoreline makes 100' setback very small. Being a good distance from the water, I am asking for 80' setback from OHW. House +garage 40'x85' w/screen porch+deck 16'x40' and screen porch 18'x20' attached. Sewer mound absorption area is in the proper 75' setback. I am requesting a 65' setback for the mound edges.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>5.21</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>

**Supplemental Data**

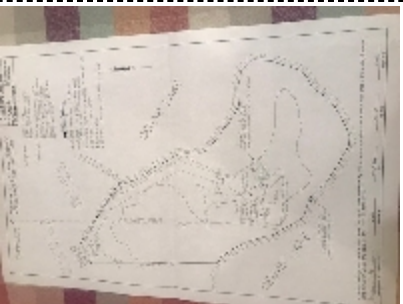
<p>Attach completed form here:</p>	<p>File 1:  <a href="#">1510_001.pdf</a></p>
------------------------------------	--



### A Scaled Drawing or Survey

<p>Scaled Drawing or Survey Checklist:</p>	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
<p>Attach a Scaled Drawing or Survey:</p>	<div data-bbox="485 483 1482 834" style="border: 1px dashed black; padding: 10px;"><p>File 1: <a href="#">Follen_site.jpg</a></p></div>

### Side Profile Sketch of the Structure

<p>Attach a side profile sketch of your proposed structure or addition here (if applicable):</p>	<div data-bbox="485 1032 1482 1383" style="border: 1px dashed black; padding: 10px;"><p>File 1: <a href="#">Follen_site.jpg</a></p></div>
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### Certificate of Septic Compliance

Please attach a copy of one of the following:  
- A current compliance inspection on the existing septic system.  
- A design for a new/replacement septic system.

- File 1: [23-187B\\_Follen\\_Invoice\\_Design.pdf](#)
- File 2: [23-187B\\_Terry\\_Follen\\_Aitkin\\_Co.\\_SSTS\\_Management\\_Plan.pdf](#)
- File 3: [23-187B\\_Terry\\_Follen\\_Operating\\_Permit\\_Application\\_Aitkin\\_Co..pdf](#)
- File 4: [23-187B\\_Terry\\_Follen\\_Type\\_III\\_Septic\\_Design\\_Aitkin\\_Co..pdf](#)

### Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:



File 1: [follen.jpg](#)

### Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

- File 1: [23-187B\\_Terry\\_Follen\\_Type\\_III\\_Septic\\_Design\\_Aitkin\\_Co..pdf](#)



### Property Deed

Attach the property deed(s):	<div data-bbox="485 188 1482 290" style="border: 1px dashed black; padding: 5px;"><p>File 1:  <a href="#">1511_001.pdf</a></p><p>File 2:  <a href="#">1512_001.pdf</a></p></div>
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### Terms

#### General Terms

<p>The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.</p>
<p>Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.</p>
<p>I acknowledge that by submitting this application, the application and its attachments are public information.</p>



**Invoice #60087 (04/01/2024) Expected Payment Method: Unknown**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 03/27/2024 1:56 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 03/27/2024 1:56 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 04/01/2024</b>
			<b>\$696.00</b>
			<b>Due</b>
			<b>\$0.00</b>

**Results** ([Go to top](#))  
 Signature accepted  
 Failed to send [Variance Ready for Action](#) notification to:

**Approvals**

Approval	Signature
Applicant	online submittal - 04/03/2024 9:01 AM - witnessed by Kim Burton 4dc0a37ae8b2dc2116f63baa9d93d0e3 2e86d90caf8ab10b9d1325b289cb9f62
#1 Admin	Kim Burton - 04/03/2024 9:53 AM c96c05f6133af4aaac491d59bf78a2af e24f0d5017bc89e5e9752057a71a96cd
#2 Board of Adjustment	

Public Notes



Text:	<div style="border: 1px solid black; height: 300px;"></div>
File(s):	<div style="border: 1px dashed black; height: 30px;"></div>

Admin Checklist

This review has been started by:	Kim Burton ▼
Zoning District of project location:	Shoreland ▼
Project located in the floodplain?	No ▼
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	Yes ▼
Is this an after-the-fact application?	No ▼

Numbers



	Current Number	Next from Sequence
<b>UID #</b>	210768	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-001011"/>	<input type="button" value="««"/> App-2024-001031
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0145

Print View



# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

**Aitkin County Environmental Services**  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

## Section 1 – New Structure(s)

Check all that apply and fill in requested information:

- Basement
- Crawlspace
- Walk-out Basement
- One Story Level
- Story-and-a-Half Level
- 2<sup>nd</sup> Story Level

Proposed # of Bedrooms 3 Proposed Structure Height 35 ft.

Existing Total Building Coverage \_\_\_\_\_% Proposed Total Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

House & Garage 3,400 ft<sup>2</sup>  
Decks & Porches 1,000 ft<sup>2</sup>  
Drainfield mound 3,600 ft<sup>2</sup>  
Drive surface 2,800 ft<sup>2</sup>



Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) with living quarters

<input type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <u>80</u> ft.
<input type="checkbox"/> Property Line	Proposed Setback _____ ft.
<input type="checkbox"/> Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
<input type="checkbox"/> Bluff	Proposed Setback _____ ft.
<input type="checkbox"/> Other: _____	Proposed Setback _____ ft.

### **Section 2 – Alteration(s) to Existing Nonconforming Structure(s)**

Check all that apply and fill in requested information:

**Existing Structure**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

**Proposed Addition(s)**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height \_\_\_\_\_ ft.

Proposed Addition(s) Height \_\_\_\_\_ ft.

Existing # of Bedrooms \_\_\_\_\_

Final # of bedrooms after remodel \_\_\_\_\_

Existing Building Coverage \_\_\_\_\_%

Proposed Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_%

Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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---



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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

### **Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

_____ Ordinary High Water Level (OHWL)	Proposed Setback <u>125</u> ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

### **Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

### **Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	









## ***Brummer Septic LLC.***

***Site Evaluations, Septic Designs, Inspections***

Designer I - Lic. #1347

**Jeff Brummer (218) 821-0704**

[brummerseptic@gmail.com](mailto:brummerseptic@gmail.com)

### **Billing Statement**

Invoice Number : 23-187B Terry Follen

Job Location : 22535 Cedar Lake Dr. Aitkin MN 56431

Parcel Number : 07-0-014201

Service of : Septic Design ( Type III Mound ) \$ 425.00

All Passed due bills will be charged \$10.00 per month extra until paid.

**Amount Due :** \$425.00

Date of billing : 3/6/2024

#### **Billing Information**

Payment Due : 4/6/2024

Terry Follen 612-720-9782

5524 27th Ave. So.

Minneapolis MN 55417 (judykind@yahoo.com)

Make Payment to:

**Brummer Septic LLC.**

**14650 Agate Ridge Rd**

**Brainerd MN. 56401**

Thank you, Jeff Brummer



# Subsurface Sewage Treatment System Management Plan

Property Owner: Terry Follen Phone: 612-720-9782 Date: 3/6/2024  
Mailing Address: 5524 27th Ave. S City: Minneapolis MN 55417 Zip: \_\_\_\_\_  
Site Address: 22535 Cedar Lake Drive City: Aitkin MN 56431 Zip: \_\_\_\_\_

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 service provider.

System Designer: check every 12 months.  
Local Government: check every 12 months.  
State Requirement: check every 36 months.

*(State requirements are based on MN Rules Chapter 7080.2450, Subp. 2 & 3)*

**My System needs to be checked every 12 months.**

### Homeowner Management Tasks

- Leaks* – Check (look, listen) for leaks in toilets and dripping faucets. Repair leaks promptly.
- Surfacing sewage* – Regularly check for wet or spongy soil around your soil treatment area.
- Effluent filter* – *Inspect and clean twice a year or more.*

Owner ----> *Alarms* – Alarm signals when there is a problem. Contact a service provider any time an alarm signals.

Owner ----> *Event counter or water meter* – Record your water use.

-recommend meter readings be conducted (circle one: DAILY WEEKLY **MONTHLY**)

### Professional Management Tasks

- Check to make sure tank is not leaking
- Check and clean the in-tank effluent filter
- Check the sludge/scum layer levels in all septic tanks
- Recommend if tank should be pumped
- Check inlet and outlet baffles
- Check the drainfield effluent levels in the rock layer
- Check the pump and alarm system functions
- Check wiring for corrosion and function
- Check dissolved oxygen and effluent temperature in tank
- Provide homeowner with list of results and any action to be taken
- Flush and clean laterals if cleanouts exist

“I understand it is my responsibility to properly operate and maintain the sewage treatment system on this property, utilizing the Management Plan. If requirements in the Management Plan are not met, I will promptly notify the permitting authority and take necessary corrective actions. If I have a new system, I agree to adequately protect the reserve area for future use as a soil treatment system.”

Property Owner Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Designer Signature: Jeff Brummer Date: 3/6/2024

**See Reverse Side for Management Log**



## Maintenance Log

Activity	Date Accomplished									
<b>Check frequently:</b>										
Leaks: check for plumbing leaks										
Soil treatment area check for surfacing										
Lint filter: check, clean if needed										
Effluent screen: if owner-maintained										
Water usage rate (monitor frequency _____)										
<b>Check annually:</b>										
Caps: inspect, replace if needed										
Sludge & Scum/Pump										
Inlet & Outlet baffles										
Drainfield effluent leaks										
Pump, alarm, wiring										
Flush & clean laterals if cleanouts exists										
Other: _____										
Other: _____										

**Notes:** Follow Aitkin Co. Operating permit requirements. Aitkin Co Operating Permit Required

Check alarm at least once a year. Pump Tanks at least once every 3 years.

Mow Mound Area at least once a year to keep brush and trees from growing

No Traffic on mound area, No Snowmobiles, No ATV's, No Parking.

Mitigation/corrective action plan: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# AITKIN COUNTY ENVIRONMENTAL SERVICES

## APPLICATION for an OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

07-0-014201

PERMITTEE Terry Follen PARCEL NUMBER ~~07-0-014200~~

ADDRESS 22535 Cedar Lake Drive Aitkin MN 56431

LEGAL DESCRIPTION \_\_\_\_\_

TELEPHONE # 612-720-9782 GIS LOCATION \_\_\_\_\_

**A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM:  
(Attach ISTS site evaluation and design; estimated cost of system  
construction, operation, monitoring, service, component replacement, and  
management; anticipated system life, hydraulic and organic loading rates)**

\_\_\_\_\_ Type III mound because it is Off Contour and less than 12" to mottles

\_\_\_\_\_ Type III 3 bedroom mound with 3 ft of washed sand under 10' x 38' rockbed.

**B. MONITORING PLAN AND REPORTING FREQUENCY:**

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
FLOW	450 GPD	Event counter	Once a Month or when present		Send Report to Aitkin Co. Once a year
5-DAY BOD					
TOTAL NITROGEN					
TOTAL PHOSPHORUS					
TSS					
FATS,OILS AND GREASE					
FECAL COLIFORM					
SEPARATION DISTANCE					

Owner will read event counter once a month or when present. Owner will send monthly readings report to Aitkin co. or the inspector ONCE A YEAR.

\_\_\_\_\_ will perform the monitoring of this septic system.



**C. MAINTENANCE PLANS**

PARAMETER	LOCATION	FREQUENCY
450 GPD	Read Event Counter	Once a month or when present
Calibrate pump out gallons	Measure pump tank and calculate gallons pumped out per event	Calibrate system when installed and in operation. Check calibration number at 1st year inspection and every one after
Report monthly readings to Aitkin Co. Or inspector	Keep records of monthly readings	Once a year submitt report to Aitkin Co.

**D. MITIGATION PLAN:**

Have system Inspected

**I hereby certify with my signature as the designer, that all data for the operating permit application is true and correct to the best of my knowledge. I agree to indemnify and hold Aitkin County harmless from loses, damages, costs and charges that may be incurred by the County because of the information submitted with this application.**

Jeff Brummer  
Signature

L-1347  
License Number

3/6/2024  
Date

Jeff Brummer  
Name (please print)

14650 Agate Ridge Rd Brainerd MN 56401  
Address

(218) 821-0704  
Telephone #



**MAINTENANCE SERVICE, MONITORING AND INSPECTION  
CONTRACT  
FOR INDIVIDUAL SEWAGE TREATMENT SYSTEM**

It is hereby agreed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ by and between  
\_\_\_\_\_ (Inspector) and Terry Follen (client)

(Client) Name & Address

Terry Follen                      22535 Cedar Lake Drive Aitkin MN 56431

Street Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

That in consideration of the payments provided herein, the Inspector shall provide services to perform Preventative Maintenance, Monitoring and Inspection of the Individual Sewage Treatment System (ISTS) located at the property described in the Aitkin County Operating Permit.

Each inspection includes an examination of the ISTS followed by a written report to the client. This inspection report shall contain recommendations for operation and maintenance for failure-preventative measures, if any are deemed appropriate by the inspector and a list of recommended corrective measures or replacement parts. The Inspector is authorized to submit a copy of the report to the Aitkin County Environmental Services Department.

This contract does not assume any responsibilities or obligations, which are normally the responsibilities of the Client, as related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

The Inspector can only contract or subcontract for parts or labor after authorization. Billings for service calls shall be made on a case by case basis. This contract only covers maintenance, monitoring and inspection services per current Aitkin County Operating Permit and does not cover alarm calls of any kind.

The Inspector shall be provided access to the site and the system in order to perform the following services:

**SEPTIC TANK AND LIFT STATIONS INSPECTION**

(check the boxes needed to fill the requirements of the Operating Permit)

Check septic tank and compartments for solids buildup and general appearance. If necessary, have tanks pumped (cost of pumping is the responsibility of the client).

Check effluent filter for buildup and clean, if applicable.



Check pumping system, including control panel and floats.

Owner ----> Record and date the readings of the elapsed time meter and cycle counter(s), if applicable. Owner is responsible for monthly event counter readings

Check dosing settings (in the control panel, if applicable).

\_\_\_\_ Other: \_\_\_\_\_  
\_\_\_\_\_

\*\*If the septic tank or lift stations need pumping to be in compliance with the operating permit the cost of the pumping is the responsibility of the Client.

### TREATMENT DEVICE

\_\_\_\_ Inspect pretreatment unit (aerobic tank, sand filter, etc.) per manufacturer's recommendations, if applicable.

\_\_\_\_ Inspect and clean any parts per manufacturer's recommendations.

\_\_\_\_ Inspect and clean laterals, if applicable.

\_\_\_\_ Inspect the appearance of the wastewater inside the unit for color, turbidity and examination of odors.

\_\_\_\_ Sample effluent per Operating Permit monitoring requirements.

**(Cost of sampling and analysis is the responsibility of the Client)**

\_\_\_\_ Other: \_\_\_\_\_  
\_\_\_\_\_

### DISPERSAL FIELD

Inspect for visible signs of failure (surface discharge, soggy ground, wet spots, settling, etc.)

If liquid level monitors are installed, levels will be observed and recorded.

\_\_\_\_ Flush filters and clean cartridges, if applicable.

\_\_\_\_ Check field control unit solenoid operations or manual control, if applicable.

\_\_\_\_ Other: \_\_\_\_\_  
\_\_\_\_\_



In no event shall the Inspector be responsible for special or consequential damages, including but not limited to, loss of time, injury to personal property or any other consequential damages or incidental or economic loss due to equipment failure or for any other reason. This contract does not assume any responsibilities or obligations, which are normally, the responsibility of the Client or as, related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

This contract shall be effective: Beginning \_\_\_\_\_, \_\_\_\_\_  
and Ending \_\_\_\_\_, \_\_\_\_\_

**Cost for Maintenance Service, Monitoring and Inspection Contract is:**

\$ \_\_\_\_\_ /yr. For \_\_\_\_\_ years totaling \$ \_\_\_\_\_

The Inspector agrees to provide inspection, monitoring and routine maintenance service only under this contract. The Client remedies for breach of this contract shall be limited to refund of any of the amounts paid in advance for service. This contract may be renewed 30 days from the ending date.

Payment for all services shall be paid \_\_\_\_\_.

**Client:**

**Inspector:**

Sign: \_\_\_\_\_

Sign: \_\_\_\_\_

Print: Terry Follen \_\_\_\_\_

Print: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## { Type III Design Notes for Owner and Installer }

Property Owner: Terry Follen Date: \_\_\_\_\_ Installer's Initials : \_\_\_\_\_  
 PIN : ~~07-0-014200~~ 07-0-014201 Site Address: 22535 Cedar Lake Drive Aitkin MN 56431

This is a TYPE III Septic System, Operating Permit Required of Owner. Permit # \_\_\_\_\_

Reason for Type III Mottled Soil at 11" Off Contour Mound Type III

Description of System Type III 3 bedroom mound with 3 ft of washed sand under 10' x 38' rockbed.

1st Tank Gal. _____	1st compartment gal. _____	2nd Comp _____	3rd _____
2nd Tank Gal. _____	1st compartment gal. _____	2nd Comp _____	3rd _____
3rd Tank Gal. _____	1st compartment gal. _____	2nd Comp _____	3rd _____
1st Pump tank Gal. _____		1st Pump Brand and model # _____	
1st Pump GPM _____	1st Pump Ft. of Head _____	1st Pump Gal. per Dose _____	
1st Pump tank Gal. per inch. _____	1st Pump Inches per Dose _____	1st Pump Doses per Day _____	
1st Pump Design GPD _____	1st Pump Measured dose per day _____	Timed or demand Dose _____	
Time Settings: Minutes ON _____	Minutes OFF _____	Inches Pumped after drainback _____	
Notes : _____			
2nd Pump tank Gal. _____		2nd Pump Brand and model # _____	
2nd Pump GPM _____	2nd Pump Ft. of Head _____	2nd Pump Gal. per Dose _____	
2nd Pump tank Gal. per inch. _____	2nd Pump Inches per Dose _____	2nd Pump Doses per Day _____	
2nd Pump Design GPD _____	2nd Pump Measured dose per day _____	Timed or demand Dose _____	
Time Settings: Minutes ON _____	Minutes OFF _____	inches Pumped after drainback _____	
Notes : _____			

1st Alarm: Tank \_\_\_\_\_ Reason: \_\_\_\_\_  
 2nd Alarm: Tank \_\_\_\_\_ Reason: \_\_\_\_\_  
 3rd Alarm: Tank \_\_\_\_\_ Reason: \_\_\_\_\_

Water Meter Installed on house hold water: \_\_\_\_\_ Where is it located : \_\_\_\_\_

Event counter Installed on pump: \_\_\_\_\_ Which Pump: \_\_\_\_\_ Gal. Per Event \_\_\_\_\_

Where is Event Counter Located: \_\_\_\_\_

**Requirement of Operating Permit**

- Owner to UNDERSTAND System Operation: Required to do monthly readings of water meter or event counter.
- Owner to record readings every month that system is being used, should know calculations for Gal. per day.
- Owner to REPORT to Aitkin Co. once a year with log of monthly readings and annual Inspection Report
- Owner to Hire an Inspector for a Once a year Inspection of the system's, Operation, Mechanical functions, and Compliance with Operating Permit.



# Preliminary & Field Evaluation Form

23-187B

Type III Mound

www.SepticResource.com vers 12.4

Owner Information			
Date	<u>3/6/2024</u>	Sec / Twp / Rng	<u>S-7, T-46, R-27</u>
Parcel ID	<u>07-0-014201</u>	LUG (county, city, township)	<u>Aitkin Co.</u>
Property Owner:	<u>Terry Follen</u>	Owners address (if different)	
Property Address:	<u>22535 Cedar Lake Dr.</u>	<u>5524 27th Ave. S.</u>	
City / State / Zip:	<u>Aitkin MN 56431</u>	<u>Minneapolis MN 55417</u>	

Flow Information and Waste Type / Strength			
Estimated Design flow	<u>450 GPD</u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength <input checked="" type="checkbox"/> Domestic
Comments: Measured Lake setback 75 ft. 9/14/2023 Met with Henry from Aitkin Co. Mound needs variance for lake setback ALL of the absorption area and rock bed are outside of the 75 ft Cedar lake setback Part of Upslope berm and downslope berm are within 75ft		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V) <input checked="" type="checkbox"/> No
		Sewage ejector/grinder pump	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Water softener	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Site Information					
Existing & proposed lot improvements located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Well casing depth	Existing deep well	
Easements on lot located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Drainfield w/in 100' of residential well	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Property lines determined (see site map)	By Owner <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	Not 100% <input type="checkbox"/> Yes <input type="checkbox"/> No		Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Access for system maintenance (shown on site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Soil treatment area protected	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Site map prepared with previous items included	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Construction related issues	<u>Lot should have Surveyed OHW for lake setback</u> <u>Lot should have wetlands Delineated, probable more area to the NE of Privy</u>				



## Soil Information

		Evidence of site:	
		Cut	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Filled	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Compacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Disturbed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Original soils	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Soil logs completed and attached	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Perk test completed and attached (if applicable) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soil loading rate (gpd/ft <sup>2</sup> )	<u>0.60</u>		Percolation rate (if applicable) _____
Depth/elev to SHWT	<u>11"</u>		Flooding or run-on potential (comments) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Depth to system bottom maximum (or elev minimum)	<u>( + 36" )</u>		Flood elevation (if applicable) _____
Depth/elev to standing water (if applicable)	_____		Elevation of ordinary high water level (if applicable) <u>1200.3</u>
Depth/elev to bedrock (if applicable)	_____		Floodplain designation and elev - 100 yr/10 yr (if applicable) <u>1202.4</u>
Soil Survey information determined (see attachment)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Design Elevation =97' approx Elevation 1204'
Differences between soil survey and field evaluation (if applicable)	_____ _____		

*I hereby certify this evaluation was completed in accordance with MN 7080 and any local req's.*

  
 \_\_\_\_\_  
 Designer Signature

Brummer Septic LLC.  
 \_\_\_\_\_  
 Company

L-1347  
 \_\_\_\_\_  
 License #



# Soil Observation Log

www.SepticResource.com vers 12.4

## Owner Information

Property Owner / project: Terry Follen

Date 9/14/2023

Property Address / PID: 22535 Cedar Lake Dr.

## Soil Survey Information refer to attached soil survey

Parent matl's:       Till       Outwash       Lacustrine       Alluvium       Organic       Bedrock

landscape position:       Summit       Shoulder       Side slope       Toe slope

soil survey map units:      625      slope \_\_\_\_\_ %      direction- \_\_\_\_\_

## Soil Log #1

Boring       Pit      Elevation 96.6'      Depth to SHWT 14"

Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 6	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
6 - 14	Sandy Loam	<35	10YR5/3		Loose	Loose	Granular
14 - 17	Sandy Loam	<35	10YR5/3	7.5YR5/6	Loose	Loose	Granular

Comments: SB-1 Highest location Near Camper , SB-2 Lowest location Near Power Transformer.

SB-3 Loaction Near Privy




22535 Cedar Lake Dr. **Soil Log #2**

		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>96.3'</u>	Depth to SHWT <u>11"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 6	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
6 - 11	Sandy Loam	<35	10YR4/6		Loose	Loose	Granular
11 - 14	Sandy Loam	<35	10YR4/6	7.5YR5/6	Loose	Loose	Granular

22535 Cedar Lake Dr. **Soil Log #3**

		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>95.9'</u>	Depth to SHWT <u>11"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 4	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
4 - 11	Med Sand	<35	10YR6/3		Loose	Loose	Granular
11 - 14	Med Sand	<35	10YR6/3	7.5YR5/6	Loose	Loose	Granular

I hereby certify this work was completed in accordance with MN 7080 and any local req's.

  
 \_\_\_\_\_  
 Designer Signature

Brummer Septic LLC.  
 \_\_\_\_\_  
 Company

L-1347  
 \_\_\_\_\_  
 License #



# Mound Design - Aitkin county

Property Owner: Terry Follen

Date: 3/6/2024

Site Address: 22535 Cedar Lake Dr.

PID: 07-0-014201

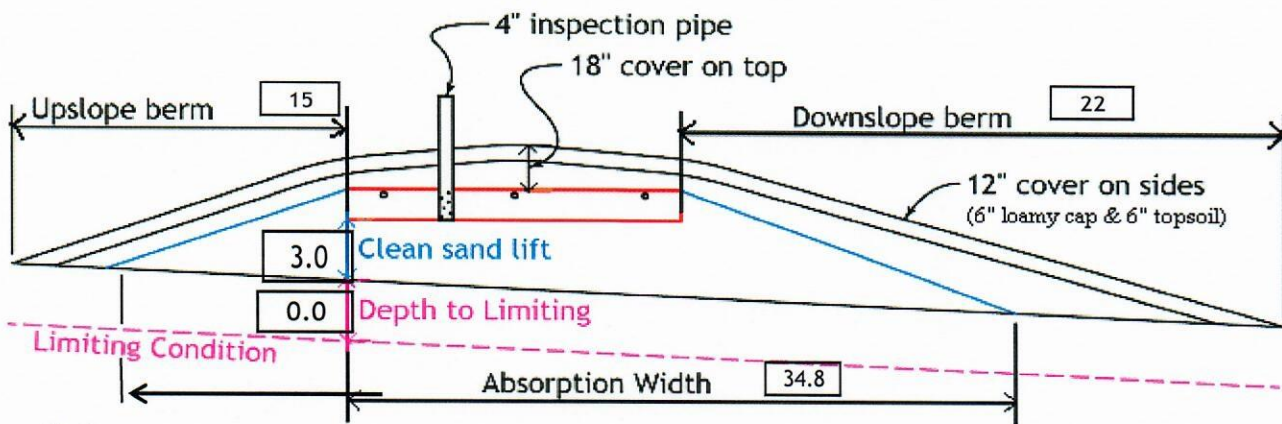
Comments: Type III Mound, 11" to mottles, off contour, needs variance to Lake setabck

instructions:      = enter data           = adjust if desired           = computer calculated - DO NOT CHANGE!

- 1) 3 bedroom    Type III    Residential    System
- 2) 450 GPD design flow
- 3) No Garbage disposal or pumped to septic      Install 1650 Jacobson 2/Comaprtnet tank 1120 septic/ 533 pump
- 4) 1000 Gal Septic tank (code minimum)      1000 Gal Septic tank (design size / LUG req'd)  
Tank options: none
- 5) 1.2 GPD/ft<sup>2</sup> mound sand loading rate      contour loading rate of 12 req's a min    37.5 ft. long rockbed
- 6) 10.0 ft rockbed width    37.5 ft rockbed length
- 7) 3.0 ft lateral spacing    3.0 ft perforation spacing      (maximum of 3 for both)  
end feed manifold connection
- 8) 3 laterals    35.5 feet long    12.0 perfs / lateral    36 perfs total  
(1/2 a perf means the first perf starts at the middle feed manifold)
- 9) 1/4" inch perfs at 1 feet residual head    gives 0.74 gpm flow rate per perforation  
for this perf size & spacing, & pipe size on line 12, max perfs/lateral = 16, line #8 must be less --> OK
- 10) 7.0 doses per day      ( 4 minimum)
- 11) 64 gallons per dose    (treatment volume) 1.50 5x
- 12) 1.50 inch diameter laterals must be used to meet "4x pipe volume" requirement 2.00 3x
- 13) 35 feet of 2.0 inch supply line    leads to 6 gallons of drainback volume  
(Tip: "top feed" manifold to control the drainback)
- 14) 70 gallons TOTAL pump out volume (treatment + drainback)
- 15) 15 feet vertical lift from pump to mound laterals, leads to a:
- 16) 27 GPM @ 21 feet of head, Pump requirement      (note: >50gpm may require an extra 3-6' of head)
- 17) 500 gal Dose tank (code minimum)    533 gal Dose tank (design size / LUG req'd)    at 12.69 gpi  
leads to a
- 18) 5.5 inch swing on Demand float,    or timed dosing of 2.6 min ON      (confirm pump rate with drawdown  
(this delivers Average flow, =70% of Peak design flow) 5.2 hrs OFF      test and adjust as necessary)
- 19) 12 inches from bottom of tank to "Pump OFF" float
- 20) 18 inches from bottom of tank to "Pump ON" float, or 12 inches to "Timer ON" float if time dosed
- 21) 21 inches from bottom of tank to "Hi Level" float, or 31 inches to "Hi Level" float if time dosed
- 22) 267 gallons reserve capacity (after High Level Alarm is activated)



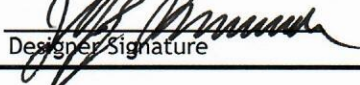
- 23) 0.60 gpd/ft<sup>2</sup> Absorption area Soil Loading Rate, which gives a mound ratio of 2 (minimum)  
 (this must match the soil boring log) desired mound ratio 2.0
- 24) 6 percent site slope (0-20% range) 6 (% downslope site slope, if different than upslope)
- 25) 0 inches, or 0.0 ft. to Redox or other limiting condition (need at least 12" to be a Type I)  
 Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:
- 26) 36 inch, or 3.0 ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**
- 27) 20.0 ft. base absorption width (with sand beyond rockbed as follows):  
 34.8 greater of: absorption width OR sand slope
- 28) 0.0 ft. upslope and sideslope sand upslope 8.0 Use 8 ft sand width  
 10.0 ft. Downslope sand down slope 16.8
- Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
- 29) 3:1 upslope ratio 15 ft. upslope berm Use 15 ft Upslope Berm width
- 30) 3:1 sideslope 17 ft. sideslope berms
- 31) 3:1 downslope 22 ft. downslope berm Use 22 ft Down slope Berm width
- 32) Overall Dimensions: 10.0 ft. wide by 37.5 ft. long Rock bed  
 47 ft. wide by 72 ft. long Mound footprint



**Note:**  
 For 0 to 1% slopes, *Absorption Width* is measured from the *Bed* equally in both directions.  
 For slopes >1%, *Absorption Width* is measured downhill from the upslope edge of the *Bed*.

- 33) Rock Bed:  
 10.0 ft. by 37.5 ft. by 9 inches under pipe, plus 20% gives 17 yd<sup>3</sup> or \*1.4= 24 ton
- 34) Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)  
 49.3 up + 93.9 downslope + 23.5 ends + 45.8 under rock = 255 yd<sup>3</sup> or \*1.4= 357 ton  
 plus 20%
- 35) Loamy Cap:  
 43 ft. by 68 ft. 6" deep, plus 20% gives 65 yd<sup>3</sup> or \*1.4= 91 ton
- 36) Topsoil:  
 47 ft. by 72 ft. 6" deep, plus 20% gives 75 yd<sup>3</sup> or \*1.4= 105 ton

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

 Designer Signature  
 Brummer Septic LLC. Company  
 L-1347 License#  
 3/6/2024 Date

Aitkin Co Operating Permit Required

Event Counter and Alarm on Pump controller ( Aitkin Co. Operating Permit )



# Installer Summary

1000 gallon Septic tank (minimum)

Tank options: none

533 gallon Dose tank (minimum)

Install 1650 Jacobson 2/Comaprtment tank 1120 septic/ 533 pump  
at 12.69 gpi

27 GPM @ 21 ft. of head, Pump required

5.5 inch swing on Demand float which translates to roughly 3.8 inches of float tether length  
if time dosing is required --> 2.6 minutes ON time & 5.2 hours OFF time

18 inches from bottom of tank to "pump ON" float, or 12 inches to "timer ON" float

21 inches from bottom of tank to "Hi Level Alarm" or 31 inches to "Hi level alarm" if time dosed

35 ft. of 2.0 inch supply line with end feed manifold connection

(Tip: "top feed" manifold to control drainback)

36 inch, or 3.0 ft. Sand Lift Mound

10.0 ft. wide by 37.5 ft. long Rock bed

3 laterals 1.50 inch diameter 35.5 ft. long 3.0 ft. lateral spacing

1/4" inch perfs 3.0 ft. perforation spacing

No Effluent filter & alarm

3 clean out & valve box assemblies

34.8 ft. Total sand ABSORPTION width (minimum)

8.0 ft. upslope and sideslope (sand beyond rockbed, minimum)

16.8 ft. Downslope (sand beyond rockbed, minimum)

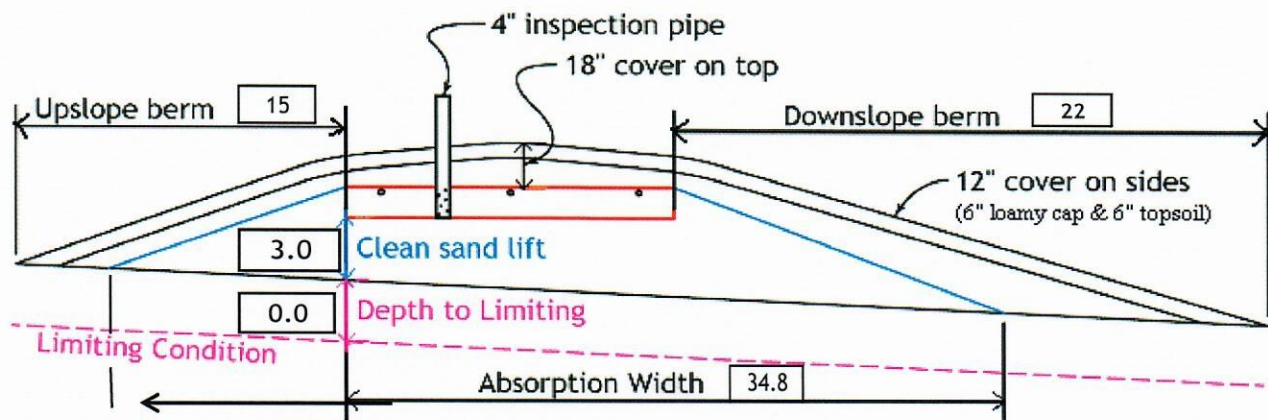
Specific slope ratios give BERM widths (topsoil beyond rockbed) of:

3:1 upslope ratio 15 ft. upslope berm

3:1 sideslope 17 ft. sideslope berms

3:1 downslope 22 ft. downslope berm

0



**Note:**

For 0 to 1% slopes, *Absorption Width* is measured from the *Bed* equally in both directions.  
For slopes >1%, *Absorption Width* is measured downhill from the upslope edge of the *Bed*.

Rock Bed:	17.0 yd <sup>3</sup> or *1.4=	24 ton	9 inches under pipe
Mound Sand:	255 yd <sup>3</sup> or *1.4=	357 ton	
Loamy Cap:	65 yd <sup>3</sup> or *1.4=	91 ton	6" deep
Topsoil:	75 yd <sup>3</sup> or *1.4=	105 ton	6" deep



## INSPECTOR CHECKLIST - mound

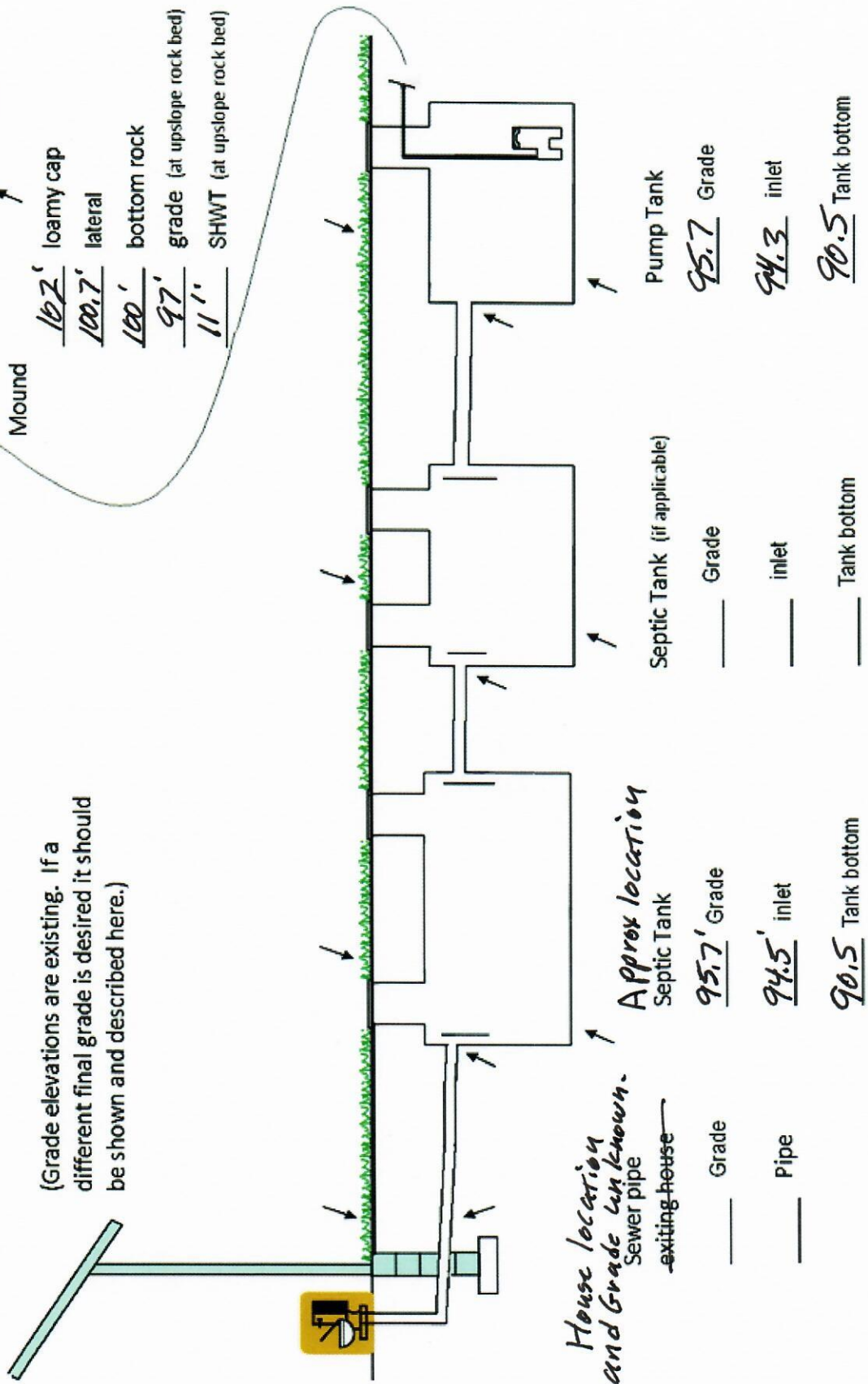
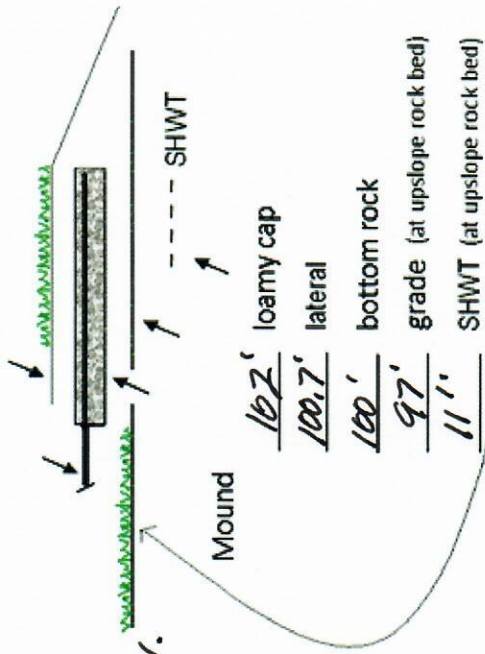
- 22535 Cedar Lake Dr.
- WELL setbacks: 20' to pressure tested sewer line (5 psi for 15 min)  
50' to everything 100' to dispersal area with shallow well
- PROPERTY LINES setback: 10' to everything
- Road setback: platted: 10' prop line. Metes & bounds: out of road easement, or outer ditch.
- LAKE / BLUFF setback: 20' for bluff. Lakes: GD \_\_\_\_, RD \_\_\_\_, NE \_\_\_\_. Protected wetland \_\_\_\_.
- Building setbacks: 10' for everything, 20' for dispersal area.
- WATER LINE under pressure se 10' to bed, tank & sewer line. (else sewer line > 12" below, else ok w/pvc)
- Sewer line & baffle connection (no 90's, 3' between 45's, slope min 1" in 8', max 2" in 8')  
(no depth req's, clean out every 100', Sch 40 pipe)
- Septic tank and risers (water tight, insulated, proper depth, existing verified by pumping)  
mfg \_\_\_\_\_ 1000 gallons none \_\_\_\_\_
- Riser over outlet, riser over inlet or center, and 6"+ inspection pipe over any remaining baffles.
- No \_\_\_\_\_ effluent filter & alarm
- Dose tank risers and piping (water tight, insulated, proper depth, drainback)  
mfg \_\_\_\_\_ 533 gallons
- dose pump \_\_\_\_\_ 27 gpm 21 head VERIFY PUMP CURVE 2.6 min ON 5.2 hr OFF
- float setting drop 5.5 inches at 12.7 gpi "DESIGNED" 3.8 inches approx float tether length  
70.0 gal dose divided by \_\_\_\_\_ gpi "INSTALLED" = \_\_\_\_\_ inches float drop (field corrected)
- LABEL pump requirements and drawdown on riser or panel
- Cam lock reachable from grade - 30" max. J-hook weep hole. Supply line access (no hard 90's)  
2.0 inch supply pipe: Sch40, sloped 1/8"+, supported by 4" sch40 sleeve or compacted, and buried 6"+.
- splice box / control panel / electrical connections
- flow measurement: CT, ETM, time dosed, home water meter
- mound absorption area rough up
- mound rock dimensions 10.0 X 37.5
- Sand lift depth 36 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)
- Absorption Sand beyond rock 8.0 upslope 16.8 downslope
- Bermed topsoil beyond rockbed 15 upslope 17 sideslope 22 downslope
- cover depth of 12-18"+ VERIFY
- 3 laterals (1-2' from edge of rock)
- 1.50 inch pipe size (Sch40 pipe & fittings)
- 3.0 ft lateral spacing
- 1/4" inch perforations
- 3.0 ft perforation spacing
- Air inlet at end of laterals, and at top feed manifold if necessary. VERIFY
- clean outs (no hard 90's)
- 4" inspection pipe to bottom of rock, anchored VERIFY
- Abandon existing system - if necessary  Re-use existing tank certification
- monitoring plan and type \_\_\_\_\_
- well abandonment form - if necessary



# System Elevations

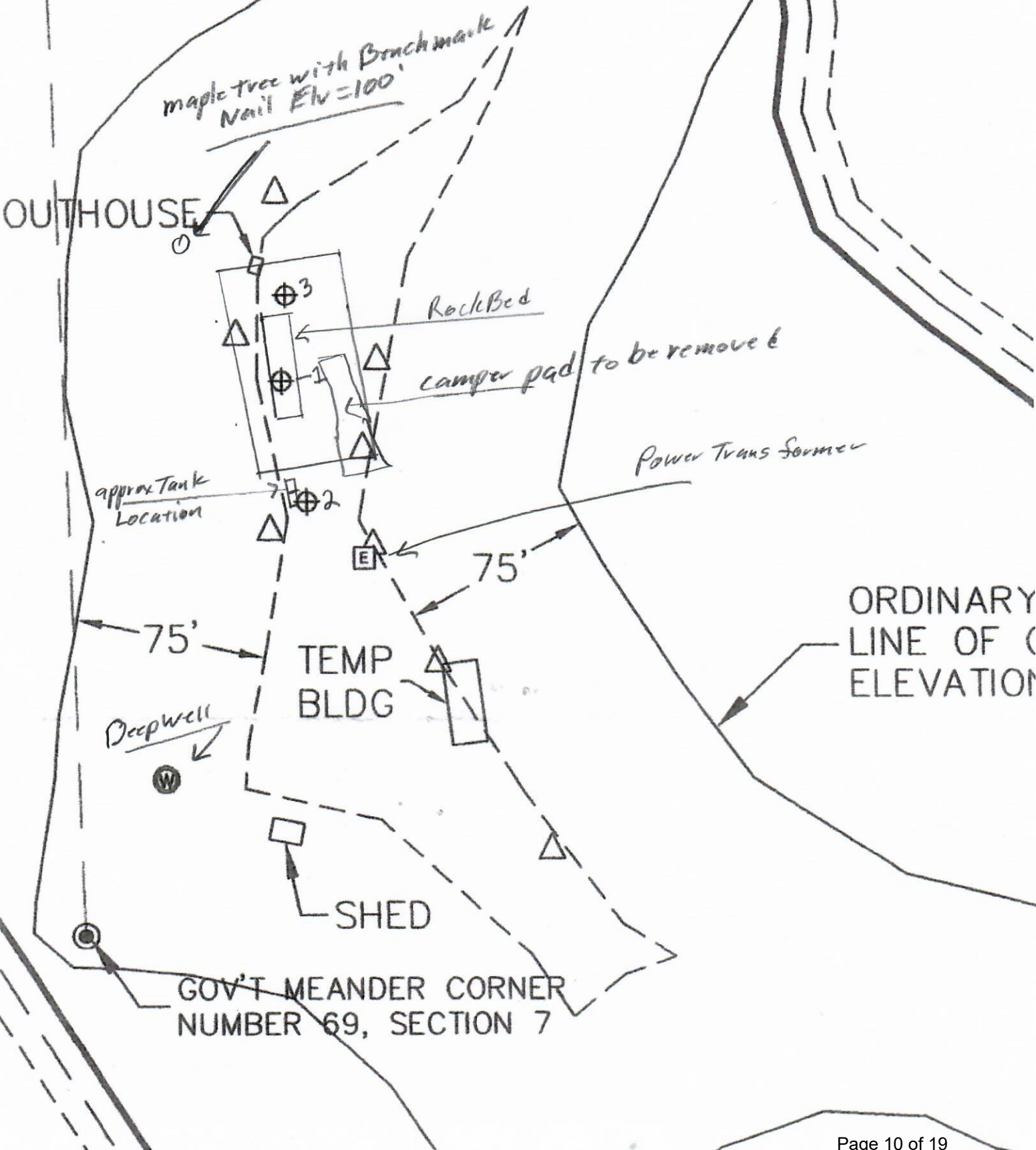
ELV = 100' benchmark *Nail on Maple Trunk w/ of Mound d.*

(Grade elevations are existing. If a different final grade is desired it should be shown and described here.)





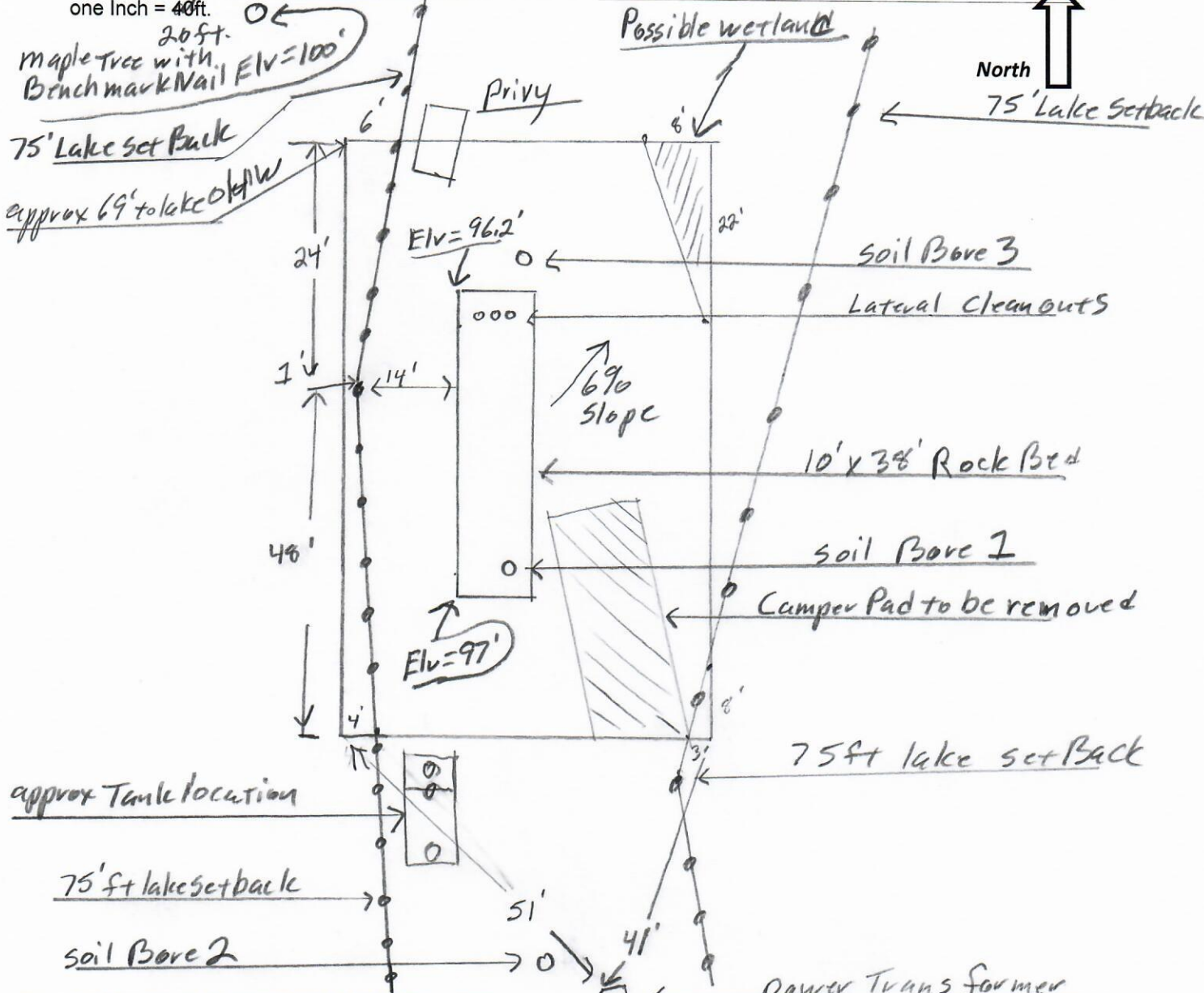
782.53





# { Design Drawing }

Property Owner: Terry Follen Date: 3/6/24 Designer's Initials: JB  
 Parcel ID. Number: 07-0-014201 Address: 22535 Cedar Lake Dr.  
 one Inch = ~~40~~ft.



Grade at NW corner of power transformer Elv.= 95.2'  
 Cedar Lake Ice Elv.= 92.3' on 3/6/24  
 Camper pad to be removed Grade Elv.= 97'

	Surface/ SHWT	Nail on Maple tree= Bench Mark 100'		Existing Grade	
Soil Bore 1	96.6' / 14"	Bench Mark	100'		Upslope Edge of Rockbed Elv.= 97'
Soil Bore 2	96.3' / 11"	Ground Elv. BM	95.3'		Bottom of Rockbed Elv.= 100'
Soil Bore 3	95.9' / 11"	Ground Elv. Tank	95.7'		Top of Washed Sand Elv.= 100'
	Ground at	Proposed house	95.2'	Estimated	Estimated Sewer pipe at Cabin Elv.= 94.5'

Please show all that apply ( Existing )  
 Wells within 100ft. Of Drain field.  
 Water lines within 10 ft. of Drain field.  
 Drain field Areas:

Please Draw to Scale with North to Top or Left Side of Page:

Disturbed/Compacted Areas	Access Route for Tank Maintenance
Component Location	Property Lines
OHW ordinary high water	Structures
Lot Easements	Setbacks



## Mound Design Notes - Aitkin county

Property Owner: Terry Follen Date: 3/6/24

Site Address: 22535 Cedar Lake Dr. PID: 07-0-014201

Comments: **Mound design may not follow Aitkin co. Auto fill form for mound design.**

- 1 This is a type III mound , ( Soil Separation 11" ), off contour, sized for a 3 bedroom system.
- 2 Existing Deep well location is on the SW of mound area + 100 ft..
- 3 This lot will need a variance for the mound to the OHW ( should get one for 65 ft ).  
This is a proposed mound for a future house, location of house unknown.
- 4 The Future house is gravity flow from North side of house, install clean-out near house.
- 5 Lot is Flat, install 1650 Jacobson compartment tank for gravity flow from house.  
Install tank low enough for drainback from mound to pump tank.  
Installer should order a tank that has been waterproofed, as the tank may have to be set in water.  
Recommend installing an effluent filter in septic tank outlet. Install alarm on Effluent filter.
- 6 The berm slopes are at 3:1. With the NW corner will be the closest to OHW.  
Mound location is slightly off contour. Remove Camper pad in mound area approx. 12" deep.  
Fill excavated camper pad area with washed sand in absorption area.
- 7 Elevation contour of rock bed upslope edge is 97' .  
The area size of the rock bed is 10' x 38' . Absorption area is 38' x 34.8'.  
Sand absorption area is 8ft. up slope + 10 ft. rockbed + 16.8 downslope = approx. 34.8 ft. wide sand base.  
Berms are 15ft. Upslope, 22ft. Down slope, 10ft. Rock bed = approx. 47ft. Wide.  
Overall mound size is approx. 47' wide x 72' long and approx. 5' high. End berms are 17ft. Wide.
- 8 The bench mark is the nail on the Maple tree NW of mound area, BM = Elv. 100'.  
Installer to double check bench mark. Installer should confirm bench mark and sand height Elv. with inspector.  
Installer should record bench mark Elv. and sand height on installation inspection form.  
The top of the sand and bottom of rock bed is Elv. 100'.
- 9 It is important that the soils do not get compacted, and that clean Washed sand is used.
- 10 The Jacobson 1650 tank will be gravity flow from dwelling. Install the pump for 7 demand doses per day. approx. 70 gallons per dose, 5.5 inches of tank level. Install alarm at 3 inches from pump on level.  
Install all manholes, inspection pipes and clean-outs to grade or above. ( Recommend min. 4" above grade)  
Install a 2" supply pipe from tank to end manifold in rock bed, install so pipe drains back to tank.  
Install 1.5" laterals with 9" of rock under them. ( Install Lateral clean-outs at far end of laterals. Recommended)
- 11 **Drill 1/4" perf holes spaced 3 ft. on center.**  
Install 4" inspection pipe to bottom of rock bed, secure in rock bed and raise to above final grade.
- 12 Install Event counter on Effluent pump, calibrate pump and give gallons per event to Owner.
- 13 Designer does not guarantee or warranty any Type III systems.  
Designed to Aitkin Co. and MPCA recommendations and requirements.

  
\_\_\_\_\_  
Designer Signature

Brummer Septic LLC.  
Design Company

L-1347  
License#

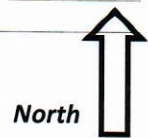
This System will require an Aitkin Co. Operator permit, annual inspection

Owner and installer are responsible for owner knowing how system is maintained.



## { Design Drawing }

Property Owner: Terry Follen Date: 3/6/24 Designer's Initials : JB  
 Parcel ID. Number : 07-0-014201 Address : 22535 Cedar Lake Dr.  
 one Inch = 40ft.



Owner should request a Variance for 65ft to lake OHW at NW corner of mound berm

Approx. sq. feet of upslope berm area less than 75 ft to lake OHW.

$$\begin{aligned} (24' \times 1') + (24' \times 5' \times .5) &= 84 \text{ sq ft.} \\ (48' \times 1') + (48' \times 3' \times .5) &= 120 \text{ sq ft} \\ \hline &204 \text{ Sq ft Total for West side} \end{aligned}$$

Approx. sq. feet of downslope berm area less than 75 ft to lake OHW.

$$(3' \times 8' \times .5) = 12 \text{ sq ft for East side}$$

Possible wetland infringement area ( Henry with Aitkin co thought it is not wetlands) owner should get it delineated

$$(8' \times 22' \times .5) = 88 \text{ sq ft.}$$

Approx. Camper pad removal area 14 ft x 20 ft approx. 12" deep

Grade at NW corner of power transformer Elv.= 95.2'

Cedar Lake Ice Elv.= 92.3' on 3/6/24

Camper pad to be removed Grade Elv.= 97'

	Surface/ SHWT	Nail on Maple tree= Bench Mark 100'		Existing Grade	
Soil Bore 1	96.6' / 14"	Bench Mark	100'		Upslope Edge of Rockbed Elv.= 97'
Soil Bore 2	96.3' / 11"	Ground Elv. BM	95.3'		Bottom of Rockbed Elv.= 100'
Soil Bore 3	95.9' / 11"	Ground Elv. Tank	95.7'		Top of Washed Sand Elv.= 100'
	Ground at	Proposed house	95.2'	Estimated	Estimated Sewer pipe at Cabin Elv.= 94.5'

Please show all that apply ( Existing )

Please Draw to Scale with North to Top or Left Side of Page:

Wells within 100ft. Of Drain field.

Disturbed/Compacted Areas

Access Route for Tank Maintenance

Water lines within 10 ft. of Drain field.

Component Location

Property Lines

Drain field Areas:

OHW ordinary high water

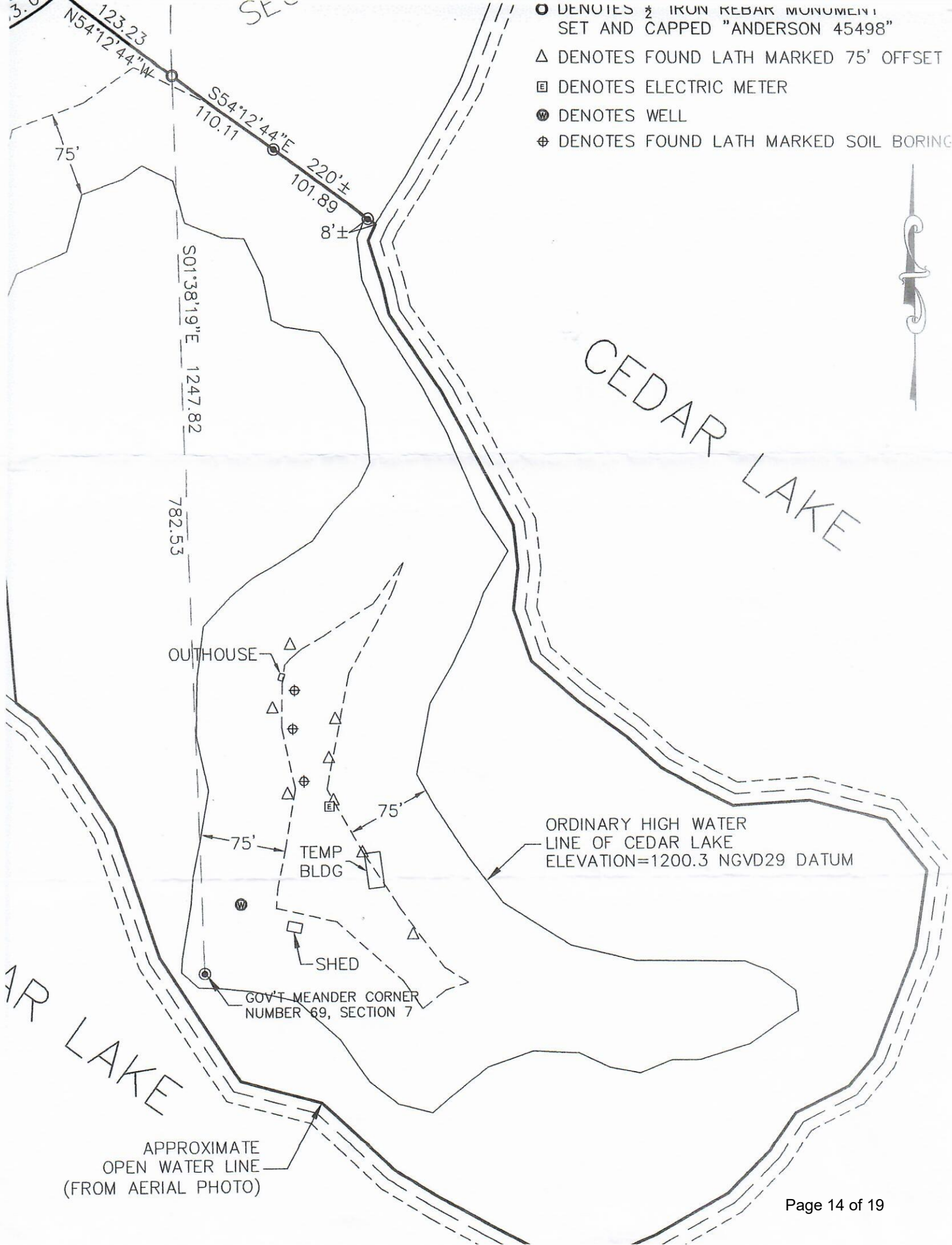
Structures

Lot Easements

Setbacks



- DENOTES ½ IRON REBAR MONUMENT SET AND CAPPED "ANDERSON 45498"
- △ DENOTES FOUND LATH MARKED 75' OFFSET
- ⊠ DENOTES ELECTRIC METER
- ⊙ DENOTES WELL
- ⊕ DENOTES FOUND LATH MARKED SOIL BORING



IR LAKE

CEDAR LAKE

OUTHOUSE

TEMP BLDG

SHED

GOV'T MEANDER CORNER NUMBER 69, SECTION 7

ORDINARY HIGH WATER LINE OF CEDAR LAKE  
ELEVATION=1200.3 NGVD29 DATUM

APPROXIMATE OPEN WATER LINE (FROM AERIAL PHOTO)





# Detailed Parcel Report

Parcel Number: 07-0-014201

## General Information

Township/City: FARM ISLAND TWP  
 Taxpayer Name: FOLLEN, TERRY & KIND, JUDITH  
 Taxpayer Address: 5524 27TH AVENUE S  
 MINNEAPOLIS MN 55417  
 Property Address:  
 Township: 46 Lake Number: 1020900  
 Range: 27 Lake Name: CEDAR LAKE (AITKIN/FI TWPS)  
 Section: 7 Acres: 7.07  
 Green Acres: No School District: 1.00  
 Plat:  
 Brief Legal Description: 7.07 AC OF (NW NW) LOT 4 IN DOCS #243745 & 261981

## Tax Information

Class Code 1: Rural Vacant Land  
 Class Code 2: Unclassified  
 Class Code 3: Unclassified  
 Homestead: Non Homestead  
 Assessment Year: 2023

*OHW 1200.3  
 100Year 1202.4  
 Low Floor 1203.4 .*

Estimated Land Value: \$265,700.00  
 Estimated Building Value: \$1,700.00  
 Estimated Total Value: \$267,400.00  
 Prior Year Total Taxable Value: \$200,700.00  
 Current Year Net Tax (Specials Not Included): \$932.00  
 Total Special Assessments: \$0.00  
 \*\*Current Year Balance Not Including Penalty: \$466.00  
 Delinquent Taxes: No

**\* For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.**

**\*\* Balance Due on a parcel does not include late payment penalties.**





# Minnesota Well Index

## General Information

Unique Well ID:	<b>828521</b>	Well Name:	<b>FOLLEN, TERRY</b>	County:	<b>Aitkin</b>	Aquifer:	<b>Quat. buried artes. aquifer</b>
Well Elevation (msl in feet):	<b>1204</b>	Drilled Depth (ft):	<b>70</b>	Well Completed (ft):	<b>70</b>	Date Drilled:	<b>08/01/2017</b>
Township:	<b>46</b>	Range:	<b>27</b>	Dir:	<b>W</b>	Section:	<b>7</b>
Subsection:	<b>BCCBCC</b>	Use:	<b>domestic</b>	Well Status:	<b>Active</b>	Depth To Bedrock:	
Driller:	<b>Hasskamp Bros. Well Drilling</b>	Entry Date:	<b>08/16/2017</b>	Update Date:	<b>12/01/2017</b>		

### Related Resources:

[Go to MN Well Index Map](#)   [Well Log Report](#)   [Scanned Record\(s\)](#)   [Stratigraphy Report](#)

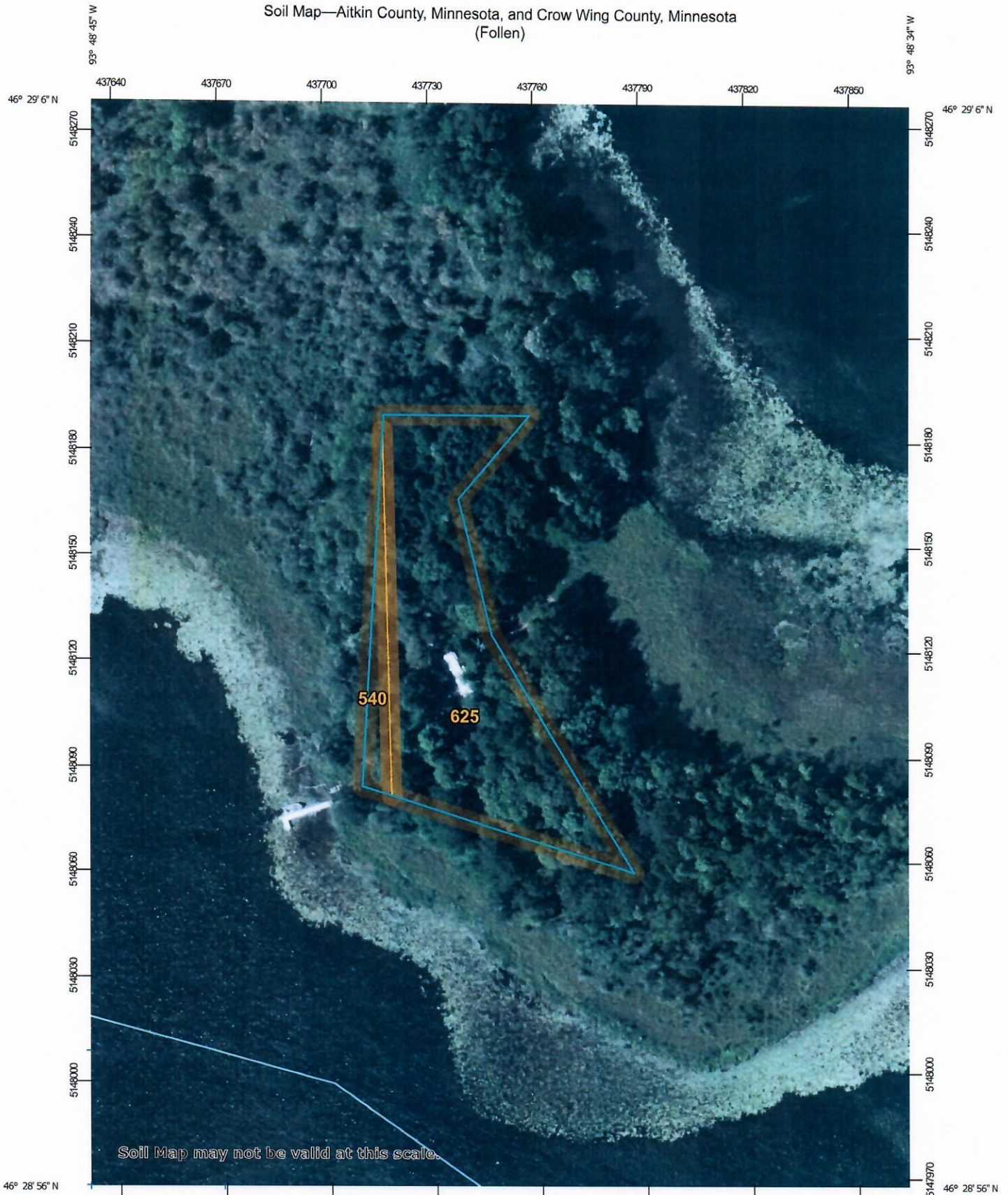
[More Details](#)   
 [Stratigraphy](#)   
 [Address](#)   
 [Chemical Data](#)   
 [Construction](#)   
 [Pump Test](#)   
 [Static Water](#)   
 [Comments](#)

## Overview Map

Description	From(ft)	To(ft)	Color	Hardness	Lith Primary	Lith Secondary	Interpretation
CLAY/GRAVEL	0	40	BROWN	MEDIUM	CLAY		pebbly sand/silt/clay-brown
SAND	40	70	BROWN	MEDIUM	SAND		sand-brown



Soil Map—Aitkin County, Minnesota, and Crow Wing County, Minnesota  
(Follen)



Soil Map may not be valid at this scale.

Map Scale: 1:1,500 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge ticks: UTM Zone 15N WGS84





## Aitkin County, Minnesota

### 625—Sandwich loamy sand

#### Map Unit Setting

*National map unit symbol:* gjj4  
*Elevation:* 980 to 1,310 feet  
*Mean annual precipitation:* 20 to 27 inches  
*Mean annual air temperature:* 37 to 41 degrees F  
*Frost-free period:* 95 to 105 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Sandwich and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Sandwich

##### Setting

*Landform:* Swales on moraines  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Parent material:* Sandy outwash over loamy till

##### Typical profile

*E - 0 to 6 inches:* loamy sand  
*Bw,E' - 6 to 34 inches:* sand  
*2E/B,2Btg - 34 to 55 inches:* loam  
*2Cg - 55 to 60 inches:* loam

##### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 6 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 20 percent  
*Available water supply, 0 to 60 inches:* Low (about 5.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* C/D  
*Ecological site:* F090AY006WI - Wet Loamy Lowland  
*Forage suitability group:* Level Swale, Low AWC, Acid (G088XN007MN)



*Other vegetative classification:* Level Swale, Low AWC, Acid  
(G088XN007MN)  
*Hydric soil rating:* Yes

### **Minor Components**

#### **Stuntz and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

#### **Cutaway and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

#### **Dusler and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

#### **Alstad and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

#### **Northwood and similar soils**

*Percent of map unit:* 3 percent  
*Landform:* Depressions  
*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Aitkin County, Minnesota  
Survey Area Data: Version 23, Sep 6, 2022

Soil Survey Area: Crow Wing County, Minnesota  
Survey Area Data: Version 18, Sep 6, 2022



**AITKIN COUNTY SHORELAND PERFORMANCE**  
(Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) ..... 1: RDL
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) ..... 2: 100
- 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought ..... 3: 80'
- 4) Enter the corresponding "Score Multiplier" ..... 4: 1
- 5) Pre-mitigation "Lot Score": Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the "Score Multiplier" (Note: round to the nearest whole number) ..... 5: 80

Reference Table: Performance Multipliers for structures, septic, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	(30' setback)	(10' setback)
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667	3.33	10.000
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		

Mitigation: To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... 15 points
- Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... 30 points
- B) Zone B: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... 20 points
- C) Zone C: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... 10 points
- D) Construction of rain garden(s) to Wisconsin DNR Manual specifications. .... 20 points
- E) Removal of all other structures that do not meet the standard building setbacks, including water oriented structures. .... 20 points
- F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A) ..... 20 points
- G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed ..... 10 points
- H) Re-vegetate bluff or steep slopes\* and provide screening of structures from the lake. .... 10 points
- I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary ..... 10 points
- J) Existing conditions may apply on the property that warrant credits ..... 10 points

Final Score = Pre-mitigation Lot Score (Line 5) 80 + Mitigation Totals (Lines A-I) 20 = 100  
To be determined by P&Z

\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years

Board of Adjustment Chairperson

*Terry A. Gallen*  
Applicant



261981

FILED JUN 11 1990 AT 9A M.

Everett Davies, County Recorder

No delinquent taxes and transfer entered; Certificate of Real Estate Value (  filed ( ) not required ) Certificate of Real Estate Value No. 14931 June 11, 1990

Alanna C. Follen County Auditor  
by Oliver D. Follen Deputy

STATE DEED TAX DUE HEREON: \$ 62.70  
Date: April 20<sup>th</sup>, 19 90

(reserved for recording data)

FOR VALUABLE CONSIDERATION, S. R. Prindle, Inc.

Minnesota, a Corporation, Grantor, hereby conveys and warrants to Terry A. Follen under the laws of Aitkin County, Minnesota, described as follows: \_\_\_\_\_, Grantee (s),

See Exhibit "A" attached hereto.

(if more space is needed, continue on back)  
together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:

ATKIN COUNTY DEED TAX

No 49 Date 6-11-90  
62 70 Dollars Paid  
Verdell Dege County Treasurer  
By M. Galt Deputy

By S. R. PRINDLE, INC.  
Its [Signature]  
S. R. Prindle, President

STATE OF MINNESOTA }  
COUNTY OF AITKIN } ss.

The foregoing was acknowledged before me this 20<sup>th</sup> day of April, 1990,  
by S. R. Prindle and \_\_\_\_\_,  
the President of S. R. Prindle, Inc. and \_\_\_\_\_,  
under the laws of Minnesota, a Corporation

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)



SIGNATURE OF PERSON TAKING ACKNOWLEDGMENT  
[Signature]  
Tax Statements for the real property described in this instrument should be sent to (include name and address of Grantee):

Mr. Terry A. Follen  
5524 27th Avenue South  
Minneapolis, MN 55417

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

James R. Stuart  
Attorney at Law  
16 Second Street NE  
Aitkin, MN 56431  
(218) 927-6571



EXHIBIT A

TRACT D

THAT PART OF GOVERNMENT LOT 4, SECTION 7, TOWNSHIP 46, RANGE 27, AITKIN COUNTY, MINNESOTA, DESCRIBED AS FOLLOWS: COMMENCING AT THE IRON MONUMENT AT GOVERNMENT MEANDER CORNER NUMBER 70 SAID SECTION 7; THENCE SOUTH 01 DEGREE 54 MINUTES 42 SECONDS EAST, ASSUMED BEARING, 465.29 FEET ALONG THE WEST LINE OF SAID SECTION 7 TO AN IRON MONUMENT HEREINAFTER REFERRED TO AS POINT A; THENCE SOUTH 54 DEGREES 29 MINUTES 07 SECONDS EAST 110.11 FEET TO AN IRON MONUMENT; THENCE SOUTH 26 DEGREES 37 MINUTES 14 SECONDS EAST 371.32 FEET TO AN IRON MONUMENT; THENCE SOUTH 12 DEGREES 47 MINUTES 13 SECONDS WEST 216.73 FEET TO AN IRON MONUMENT; THENCE SOUTH 37 DEGREES 13 MINUTES 47 SECONDS EAST 36.13 FEET TO AN IRON MONUMENT THE POINT OF BEGINNING; THENCE NORTH 45 DEGREES 12 MINUTES 53 SECONDS EAST 95 FEET, MORE OR LESS, TO THE SHORE OF CEDAR LAKE; THENCE SOUTHEASTERLY, SOUTHERLY, SOUTHWESTERLY, WESTERLY AND NORTHWESTERLY ALONG SAID SHORE TO ITS INTERSECTION WITH A LINE BEARING SOUTH 45 DEGREES 12 MINUTES 53 SECONDS WEST FROM THE POINT OF BEGINNING; THENCE NORTH 45 DEGREES 12 MINUTES 53 SECONDS EAST 278.00 FEET, MORE OR LESS, TO THE POINT OF BEGINNING. SUBJECT TO ANY EASEMENTS, RESERVATIONS OR RESTRICTIONS OF RECORD.

TOGETHER WITH A 33.00 FOOT WIDE ROAD EASEMENT FOR INGRESS AND EGRESS ACROSS THAT PART OF GOVERNMENT LOT 4, SECTION 7, TOWNSHIP 46, RANGE 27, AITKIN COUNTY, MINNESOTA, AND ACROSS THAT PART OF GOVERNMENT LOT 7, SECTION 12, TOWNSHIP 46, RANGE 28, CROW WING COUNTY, MINNESOTA, THE CENTER LINE OF SAID 33.00 FOOT WIDE ROAD EASEMENT IS DESCRIBED AS FOLLOWS: COMMENCING AT SAID POINT A; THENCE SOUTH 1 DEGREE 54 MINUTES 42 SECONDS EAST 20.78 FEET ALONG THE WEST LINE OF SAID SECTION 7; THENCE NORTH 54 DEGREES 29 MINUTES 07 SECONDS WEST 140.51 FEET TO THE SOUTHEASTERLY LINE OF A 66.00 FOOT WIDE ROAD EASEMENT ACROSS SAID GOVERNMENT LOT 7; THE POINT OF BEGINNING OF THE CENTERLINE OF SAID 33.00 FOOT WIDE ROAD EASEMENT; THENCE SOUTH 54 DEGREES 29 MINUTES 07 SECONDS EAST 233.90 FEET; THENCE SOUTH 26 DEGREES 37 MINUTES 14 SECONDS EAST 361.32 FEET; THENCE SOUTH 12 DEGREES 47 MINUTES 13 SECONDS WEST 218.52 FEET; THENCE SOUTH 37 DEGREES 13 MINUTES 47 SECONDS EAST 46.00 FEET AND SAID CENTERLINE THERE ENDING.

TOGETHER WITH A ROAD EASEMENT FOR INGRESS AND EGRESS ACROSS THAT PART OF GOVERNMENT LOT 7, SECTION 12, TOWNSHIP 46, RANGE 28, CROW WING COUNTY, MINNESOTA, THAT LIES WITHIN 33.00 FEET ON EACH SIDE OF THE CENTERLINE OF THE EXISTING ROAD LEADING TO WHITING DRIVE, PRINDLE'S SECOND ADDITION ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY RECORDER IN AND FOR SAID CROW WING COUNTY



No delinquent taxes and transfer entered; Certificate of Real Estate Value (X) filed ( ) not required Certificate of Real Estate Value No. 5847

Nov 21, 19 86

Alicia C. Doffler  
County Auditor

by Alicia Doffler Deputy

STATE DEED TAX DUE HEREON: \$ 33.00

Date: 20<sup>th</sup> November, 19 86

FOR VALUABLE CONSIDERATION, S. R. Prindle, Inc.

the state of Minnesota, a corporation under the laws of Terry A. Follen, a single man

real property in Aitkin and Crow Wing County, Minnesota, described as follows:

→ see back of deed

(if more space is needed, continue on back)  
together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:



S. R. Prindle, Inc.

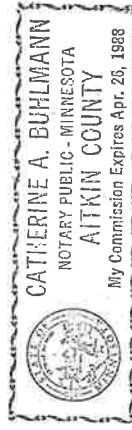
By [Signature] Its President

By \_\_\_\_\_ Its \_\_\_\_\_

STATE OF MINNESOTA }  
COUNTY OF Aitkin } ss.

The foregoing was acknowledged before me this 20<sup>th</sup> day of November, 19 86, by S. R. Prindle and \_\_\_\_\_, the president and \_\_\_\_\_ of S. R. Prindle, Inc. under the laws of the state of Minnesota, on behalf of the \_\_\_\_\_ corporation

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)



4-26-88

SIGNATURE OF PERSON TAKING ACKNOWLEDGMENT

Catherine A. Buhlmann

Tax Statements for the real property described in this instrument should be sent to (Include name and address of Grantee):

Terry A. Follen  
5524 27th Ave. So.  
Mpls., Mn. 55417

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

Century 21  
Woods and Shores Real Estate Co.  
Rte 4 Box 30  
Aitkin, Mn. 56431

243745

FILED NOV 21 1986 AT 9A M.

Everett Davies, County Recorder

(reserved for recording data)

Return to



TRACT C-1

THAT PART OF GOVERNMENT LOT 7, SECTION 12, TOWNSHIP 46, RANGE 28, CROW WING COUNTY, MINNESOTA, DESCRIBED AS FOLLOWS: COMMENCING AT THE IRON MONUMENT AT GOVERNMENT MEANDER CORNER NUMBER 17 SAID SECTION 12 BEING THE SAME MEANDER CORNER AS GOVERNMENT MEANDER CORNER NUMBER 70, SECTION 7, TOWNSHIP 46, RANGE 27 AITKIN COUNTY, MINNESOTA; THENCE SOUTH 01 DEGREE 54 MINUTES 42 SECONDS EAST; ASSUMED BEARING, 465.29 FEET ALONG THE EAST LINE OF SAID SECTION 12 TO AN IRON MONUMENT HEREINAFTER REFERRED TO AS POINT A, THE POINT OF BEGINNING; THENCE NORTH 54 DEGREES 29 MINUTES 07 SECONDS WEST 123.23 FEET TO AN IRON MONUMENT; THENCE NORTH SOUTHWESTERLY 103.06 FEET ALONG A NON-TANGENTIAL CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 233.00 FEET A CENTRAL ANGLE OF 25 DEGREES 20 MINUTES 31 SECONDS, AND A CHORD BEARING SOUTH 61 DEGREES 49 MINUTES 09 SECONDS WEST 102.22 FEET TO AN IRON MONUMENT; THENCE SOUTH 4 DEGREES 58 MINUTES 37 SECONDS EAST 570.94 FEET, MORE OR LESS, NOT TANGENT TO SAID CURVE, TO THE SHORE OF CEDAR LAKE; THENCE SOUTHEASTERLY ALONG SAID SHORE TO ITS INTERSECTION WITH THE EAST LINE OF SAID SECTION 12; THENCE NORTH 01 DEGREE 54 MINUTES 42 SECONDS WEST ALONG THE EAST LINE OF SAID SECTION 12 TO THE POINT OF BEGINNING. SUBJECT TO A 33.00 FOOT WIDE ROAD EASEMENT FOR INGRESS AND EGRESS ACROSS THAT PART OF SAID GOVERNMENT LOT 7, THE CENTERLINE OF SAID 33.00 FOOT WIDE ROAD EASEMENT IS DESCRIBED AS FOLLOWS: COMMENCING AT SAID POINT A; THENCE SOUTH 1 DEGREE 54 MINUTES 42 SECONDS EAST 20.78 FEET ALONG THE EAST LINE OF SAID SECTION 12 TO THE POINT OF BEGINNING OF THE CENTERLINE OF SAID 33.00 FOOT WIDE ROAD EASEMENT; THENCE NORTH 54 DEGREES 29 MINUTES 07 SECONDS WEST 140.51 FEET TO THE SOUTHEASTERLY LINE OF A 66.00 FOOT WIDE ROAD EASEMENT ACROSS SAID GOVERNMENT LOT 7 AND SAID CENTERLINE THERE ENDING. THE SIDE LINES OF SAID 33.00 FOOT WIDE ROAD EASEMENT ARE TO BE LENGTHENED OR SHORTENED TO TERMINATE ON THE EAST LINE OF SAID SECTION 12. ALSO SUBJECT TO ANY OTHER EASEMENTS, RESERVATIONS OR RESTRICTIONS OF RECORD.

TOGETHER WITH A ROAD EASEMENT FOR INGRESS AND EGRESS ACROSS THAT PART OF GOVERNMENT LOT 7, SECTION 12, TOWNSHIP 46, RANGE 28, CROW WING COUNTY, MINNESOTA, THAT LIES WITHIN 33.00 FEET ON EACH SIDE OF THE CENTERLINE OF THE EXISTING ROAD LEADING TO WHITTING DRIVE, PRINDLE'S SECOND ADDITION ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY RECORDER IN AND FOR SAID CROW WING COUNTY.

TRACT C

THAT PART OF GOVERNMENT LOT 4, SECTION 7, TOWNSHIP 46, RANGE 27, AITKIN COUNTY, MINNESOTA, DESCRIBED AS FOLLOWS: COMMENCING AT THE IRON MONUMENT AT GOVERNMENT MEANDER CORNER NUMBER 70 SAID SECTION 7; THENCE SOUTH 01 DEGREE 54 MINUTES 42 SECONDS EAST, ASSUMED BEARING, 465.29 FEET ALONG THE WEST LINE OF SAID SECTION 7 TO AN IRON MONUMENT HEREINAFTER REFERRED TO AS POINT A; THENCE SOUTH 54 DEGREES 29 MINUTES 07 SECONDS EAST 110.11 FEET TO AN IRON MONUMENT; THENCE SOUTH 26 DEGREES 37 MINUTES 14 SECONDS EAST 371.32 FEET TO AN IRON MONUMENT; THENCE SOUTH 12 DEGREES 47 MINUTES 13 SECONDS WEST 216.73 FEET TO AN IRON MONUMENT TO THE POINT OF BEGINNING; THENCE NORTH 45 DEGREES 12 MINUTES 53 SECONDS EAST 95 FEET, MORE OR LESS, TO THE SHORE OF CEDAR LAKE; THENCE NORTHERLY ALONG SAID SHORE TO ITS INTERSECTION WITH A LINE BEARING SOUTH 54 DEGREES 29 MINUTES 07 SECONDS EAST FROM SAID POINT A; THENCE NORTH 54 DEGREES 29 MINUTES 07 SECONDS WEST 220.00 FEET, MORE OR LESS, TO SAID POINT A; THENCE SOUTH 01 DEGREE 54 MINUTES 42 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION 7 TO THE SHORE OF CEDAR LAKE; THENCE SOUTHEASTERLY ALONG SAID SHORE TO ITS INTERSECTION WITH A LINE BEARING SOUTH 45 DEGREES 12 MINUTES 53 SECONDS WEST FROM THE POINT OF BEGINNING; THENCE NORTH 45 DEGREES 12 MINUTES 53 SECONDS EAST 278.00 FEET, MORE OR LESS, TO THE POINT OF BEGINNING. SUBJECT TO ANY EASEMENTS, RESERVATIONS OR RESTRICTIONS OF RECORD.

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Subject to any reservations, restrictions, and easements of record.



**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	07-0-062204	29429 Pioneer Ave AITKIN, MN 56431	FARM ISLAND TWP	PART OF GOVT LOT 5 (1.00 AC) AS IN DOC 478565		S:28 T:46 R:27	RD	FARM ISLAND LAKE	HULSING, JOHN & AIMEE	HULSING, JOHN & AIMEE
Driving directions to the proposed project from Aitkin:	South on Hwy 169 to Pioneer Avenue west to 29429 Pioneer Avenue.									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									



**Detailed Narrative**

<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>We are proposing a new 1-1/2 story addition to the existing house with a lake setback of 55'-0", to 26 feet high matching the existing ridge height. and a foot print of 1334 sf . And a deck in line with the existing deck with a setback of 55'-0" equal to 375 sf along the new addition. Removing an existing shed . The new addition will encroach the road right of way setback to a setback of 20 feet. Redirect all new runoff away from the lake, to the ditch in front of the house.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>Non Conforming Structures</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>

**Supplemental Data**

<p>Attach completed form here:</p>	<p>File 1:  <a href="#">Supplemental.pdf</a></p>
------------------------------------	---



### A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
Attach a Scaled Drawing or Survey:	<p>File 1: <a href="#">24-025B_Hulsing_Cert_3-8-24.pdf</a></p>

### Side Profile Sketch of the Structure

Attach a side profile sketch of your proposed structure or addition here (if applicable):	<p>File 1: <a href="#">2024-4-4-_HULSING_AIMEE__JOHN_FOR_VARIANCE_24X36.pdf</a></p>
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### Certificate of Septic Compliance

<p>Please attach a copy of one of the following:</p> <ul style="list-style-type: none"><li>- A current compliance inspection on the existing septic system.</li><li>- A design for a new/replacement septic system.</li></ul>	<p>File 1: <a href="#">Septic_Hulsing.pdf</a></p>
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### Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:	File 1: <a href="#">0186_001.pdf</a>
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### Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:	File 1: <a href="#">0187_001.pdf</a>
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### Property Deed

Attach the property deed(s):	File 1: <a href="#">Warranty_Deed.pdf</a>
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### Terms

#### General Terms

<p>The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.</p>
<p>Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.</p>
<p>I acknowledge that by submitting this application, the application and its attachments are public information.</p>



**Invoice #60202 (04/04/2024) Expected Payment Method: Pay Online - Card or ECheck**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 04/04/2024 1:08 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 04/04/2024 1:08 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 04/04/2024</b>
			<b>\$696.00</b>
			<b>Due</b>
			<b>\$0.00</b>

**Results** ([Go to top](#))  
 Sent default author approval request notification to: dale@grandtbuilders.com; johnhulsing@gmail.com

**Approvals**

Approval	Signature
Applicant	Dale A. Grandt - 04/04/2024 1:09 PM a772f5da46dbbaa6f82e746deda3c3b5 ed8b50d0665501220dca46fa3b2ec966
#1 Admin	
#2 Board of Adjustment	

Public Notes



Text:	<div style="border: 1px solid gray; height: 300px;"></div>
File(s):	<div style="border: 1px dashed gray; height: 20px;"></div>

Admin Checklist

This review has been started by:	Please select ▼
Zoning District of project location:	*Please Select* ▼
Project located in the floodplain?	-Select One- ▼
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	-Select One- ▼
Is this an after-the-fact application?	-Select One- ▼

Numbers



	Current Number	Next from Sequence
<b>UID #</b>	210886	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-001041"/>	<input type="button" value="««"/> App-2024-001050
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0158

Print View



Aitkin County Environmental Services  
Planning and Zoning  
209 Second Street NW  
Room 100  
Aitkin, MN 56431  
Phone: 218-927-7342  
Fax: 218-927-4372



### AUTHORIZED AGENT FORM

I hereby authorize Dale Grandt to act as my authorized agent for all public hearing applications and purchase land use permits on property located at:

E911 Address of Property 29429 PLOWEER AVE Aitkin Mn 56431

Section # 28 Township # 46 Range # 27

Parcel Number(s) 7-0-062204

[Signature] Property Owner Signature Date 3/14/24

612-702-6458 Property Owner Phone Number

763-268-9160 Authorized Agent Phone Number

43396 274th hn Lot 21 Aitkin Mn. 56431 Authorized Agent's Mailing Address

dale@grandtbuilders.com Authorized Agent's Email Address



# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

**Aitkin County Environmental Services**  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

## Section 1 – New Structure(s)

Check all that apply and fill in requested information:

- Basement
- One Story Level
- Crawlspace
- Story-and-a-Half Level
- Walk-out Basement
- 2<sup>nd</sup> Story Level

Proposed # of Bedrooms \_\_\_\_\_ Proposed Structure Height \_\_\_\_\_ ft.  
Existing Total Building Coverage \_\_\_\_\_% Proposed Total Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
<input checked="" type="checkbox"/> Road Right-of way ___ Twp ___ Co. <u>Ma</u> State	Existing Setback <u>50</u> ft.	Proposed Setback <u>20</u> ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

### **Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way <u>46</u> Twp <u>28</u> Co. <u>27</u> State	Proposed Setback <u>20</u> ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

### **Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

### **Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	



Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

## Section 2 – Alteration(s) to Existing Nonconforming Structure(s)

Check all that apply and fill in requested information:

### Existing Structure

Basement  
 \_\_\_\_\_ Crawlspace  
 \_\_\_\_\_ Walk-out Basement  
 \_\_\_\_\_ One Story Level  
 Story-and-a-Half Level  
 \_\_\_\_\_ 2<sup>nd</sup> Story Level

### Proposed Addition(s)

\_\_\_\_\_ Basement  
 Crawlspace  
 \_\_\_\_\_ Walk-out Basement  
 \_\_\_\_\_ One Story Level  
 Story-and-a-Half Level  
 \_\_\_\_\_ 2<sup>nd</sup> Story Level

Existing Structure Height 26' ft.

Proposed Addition(s) Height 26' ft.

Existing # of Bedrooms 2

Final # of bedrooms after remodel 4

Existing Building Coverage 83%

Proposed Building Coverage 62%

Existing Total Impervious Surface Coverage 9.7%

Proposed Total Impervious Surface Coverage 12%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

Demo 200 sq Existing  
Add 1334 sq New  
Add 349 sq Deck



# CERTIFICATE OF SURVEY

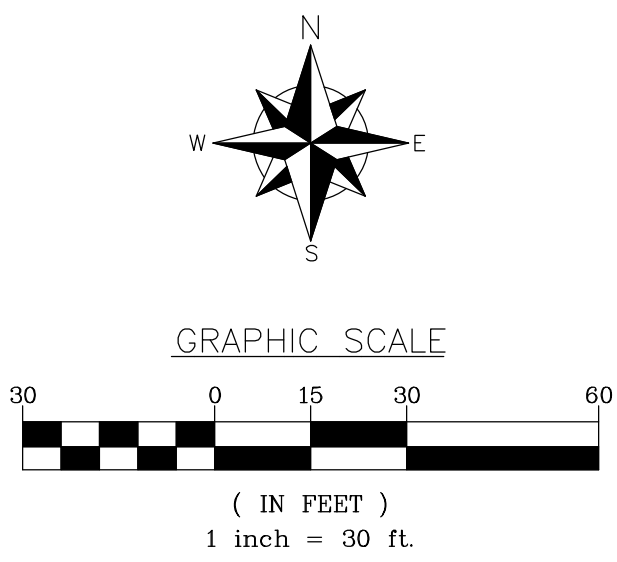
**DESCRIPTION** - (As Per Doc. No. -478565 Parcel No.: 07-0-062204)

That part of Government Lot Five (5), Section Twenty-eight (28), Township Forty-six (46), Range Twenty-seven (27), described as follows:

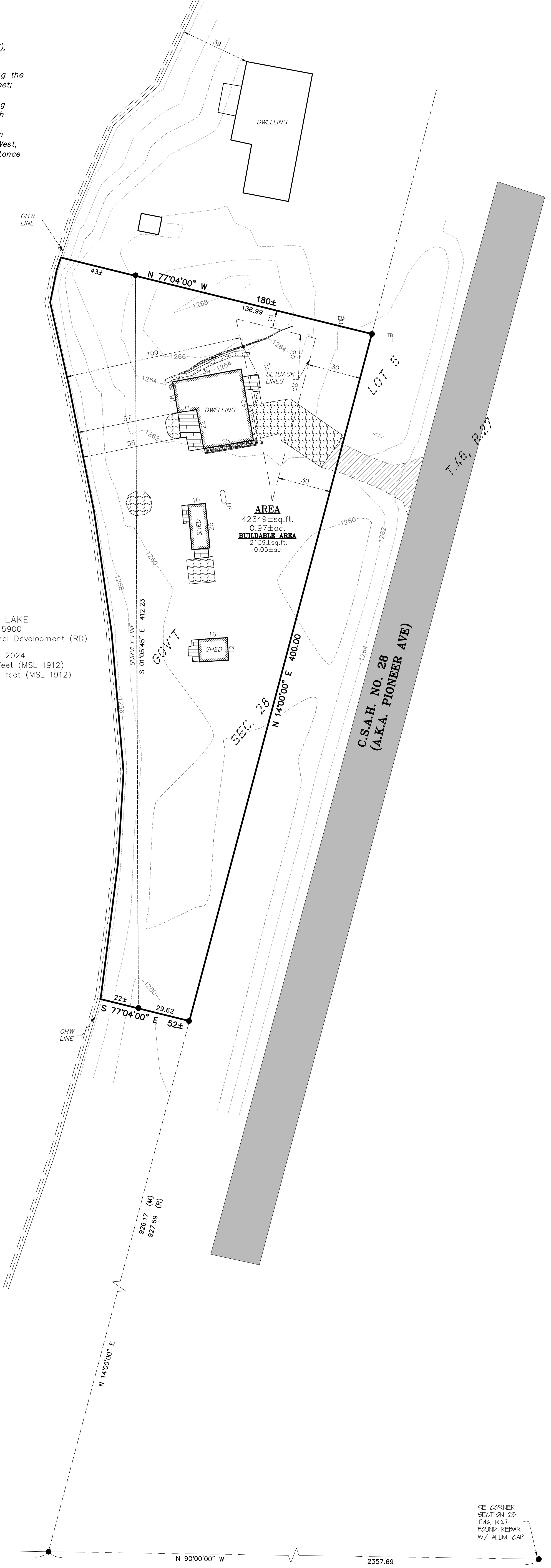
Commencing at the South 1/4 corner of said Section Twenty-eight (28); thence East, on an assumed bearing, along the South line of said Section Twenty-eight (28), a distance of Two Hundred Eighty-six and Ten Hundredths (286.10) feet; thence North Fourteen Degrees Zero Minutes (14 degrees 00') East a distance of Nine Hundred Twenty-seven and Sixty-nine Hundredths (927.69) feet to the actual point of beginning of the tract to be described; thence continuing North Fourteen degrees Zero minutes (14 degrees 00') East, a distance of Four Hundred (400.00) feet; thence North Seventy-seven degrees Four minutes (77 degrees 04') West, a distance of One Hundred Eighty-four and Six Tenths (184.6) feet, more or less, to the shoreline of Farm Island Lake; thence Southerly, along said shoreline of said Farm Island Lake, to its intersection with a line that bears North Seventy-seven degrees Four minutes (77 degrees 04') West, from the actual point of beginning; thence South Seventy-seven degrees four minutes (77 degrees 04') East, a distance of Forty-nine and Two Tenths (49.2) feet, more or less, to the actual point of beginning.

IMPERVIOUS SURFACE:	
<b>EXISTING</b>	
Parcel Area = 42349 sq ft	
Dwelling =	1318 sq ft
2 X Sheds =	442 sq ft
Decks =	435 sq ft
Concrete Surface =	40 sq ft
Paver Block Surface =	1646 sq ft
Gravel Surface =	85 sq ft
2 x Holding Tanks =	150 sq ft ±
Total Impervious Surface = 4116 sq ft ±	
4116/42349 = 0.097	
Existing Impervious Surface = 9.7%	

**FARM ISLAND LAKE**  
 Lake No.: 1015900  
 Lake Classification: Recreational Development (RD)  
 Date: March 5, 2024  
 Ice Elevation = 1255.1 feet (MSL 1912)  
 O.H.W. Elevation = 1255.5 feet (MSL 1912)



- LEGEND**
- DENOTES FOUND SURVEY MONUMENT
  - ⊕ DENOTES TELEPHONE PEDESTAL
  - ⊕ DENOTES ELECTRIC METER
  - ⊕ DENOTES UTILITY POLE
  - ⊕ DENOTES WELL
  - ⊕ DENOTES SEPTIC CLEANOUT
  - ⊕ DENOTES L.P. TANK
  - (M) DENOTES MEASUREMENT PER ARRO LAND SURVEYING OF BRAINERD, INC.
  - (R) DENOTES MEASUREMENT PER DESCRIPTION OF RECORD
  - ▨ DENOTES GRAVEL SURFACE
  - ▨ DENOTES BITUMINOUS SURFACE
  - ▨ DENOTES CONCRETE SURFACE
  - ▨ DENOTES PAVER BLOCK SURFACE
  - ▨ DENOTES RETAINING WALL
  - 1260----- DENOTES 2 FOOT CONTOURS (MSL1912)



**SURVEYOR'S NOTES:**

1. Bearing Orientation: The south line of Government Lot 5 of Section 28, Township 46, Range 27 is assumed to have a bearing of North 90 degrees 00 minutes 00 seconds East (East).
2. Benchmark: Top of well casing. Elevation = 1265.44 (MSL1912)
3. The field survey was completed on 3/5/2024.
4. Arro Land Surveying of Brainerd, INC. has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.
5. Wetlands may exist on subject property but were not identified in the preparation of this survey.
6. The utilities as shown on this survey were developed from the visible utilities across your property and is not implied nor intended to be the complete inventory of utilities in this area. It is the client's responsibility to verify the location of all utilities prior to construction or improving your property.
7. Property Zoning: Shoreland
8. Setback Requirements: OHW = 100 feet R-O-W = 30 feet Property Line 10 feet
9. It is the client's responsibility to verify zoning and setback requirements prior to construction or improving your property.

SW 1/4 CORNER SECTION 28 T.46, R.27 FOUND 1/2" IP

SE CORNER SECTION 28 T.46, R.27 FOUND REBAR W/ ALUM. CAP

DRAWN BY: JAS	CHECKED BY: EEL		
APPROVED BY: JAS	JOB NUMBER: 24-025B		
NO.	DATE	BY	REVISION DESCRIPTION

**CLIENT:**  
**John Husling**  
 29429 Pioneer Avenue  
 Aitkin, MN 56431

**BOUNDARY SURVEY**  
 Part of Gov't Lot 5  
 Section 28, T.46, R.27  
 Aitkin County, MN



I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed land surveyor under the laws of the state of Minnesota.

Dated this 8th day of March, 2024

By: *Jared A. Spaid*  
 Jared A. Spaid, Minnesota License No. 59285

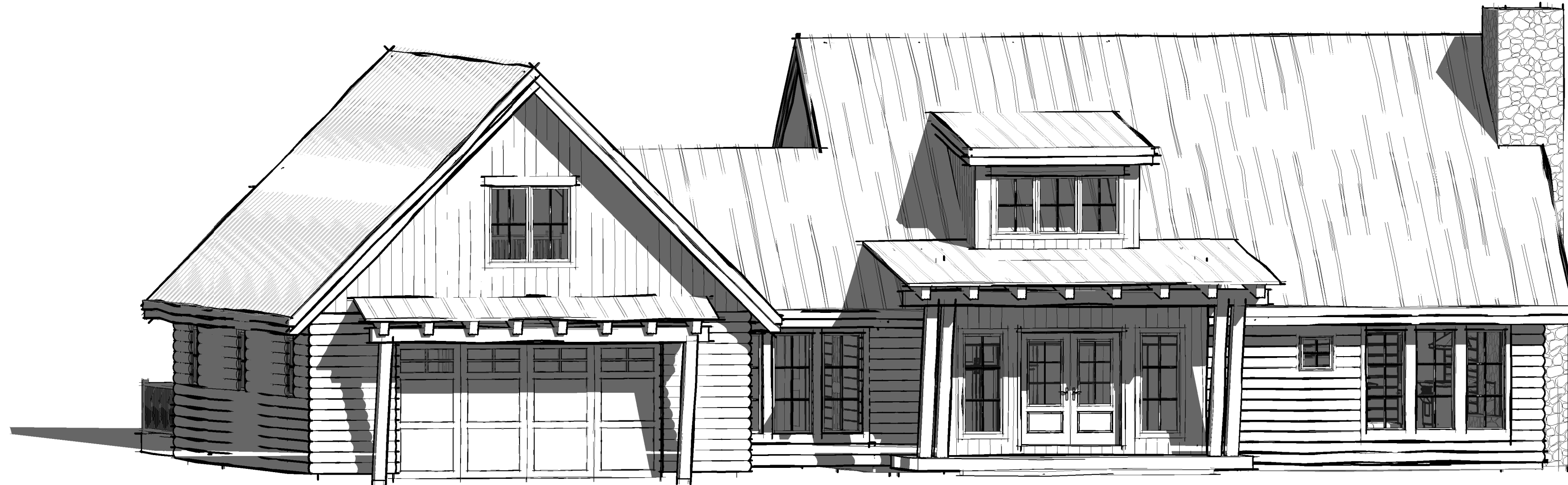


# HULSING LAKE CABIN

AIMEE & JOHN HULSING



RESIDENTIAL DESIGNER  
SAINT JOSEPH, MN  
(320)905-5177  
sarag@girouxdesignstudio.com



**ABBREVIATIONS:**

ABV	ABOVE	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MO	MASONRY OPENING
ADD	ADDITIONAL	MICRO	MICROWAVE
AC	AIR CONDITIONING	MAX	MAXIMUM
ALT	ALTERNATE	MECH	MECHANICAL
ALUM	ALUMINUM	MTL	METAL
APPROX	APPROXIMATE	MIN	MINIMUM
BSMT	BASEMENT	MISC	MISCELLANEOUS
BRG	BEARING	NTS	NOT TO SCALE
BLKG	BLOCKING	N/A	NOT APPLICABLE
BD	BOARD	O	OVEN
BO	BOTTOM OF	OC	ON CENTER
BLDG	BUILDING	OPG	OPENING
B 1 B	BOARD & BATTEN	OVH	OVERHEAD
BRM CLST	BROOM CLOSET	P	PAINT
CPT	CARPET	PL	PLATE
CLG	CEILING	PLAM	PLASTIC LAMINATE
CTR	CENTER	PT	PORCELAIN TILE
CT	CERAMIC TILE	PC	PRECAST CONCRETE
CO	CASED OPENING	PREFIN	PREFINISHED
CONC	CONCRETE	QTY	QUANTITY
CONST	CONSTRUCTION	R	RADIUS, RISER
CONT	CONTINUOUS	REF	REFRIGERATOR
CRS	COURSE(S)	REINF	REINFORCED
CTOP	COUNTER TOP	REQD	REQUIRED
D	DRYER	RM	ROOM
DBL O	DOUBLE OVEN	RO	ROUGH OPENING
DEMO	DEMOLISH, DEMOLITION	RB	RUBBER BASE
DEM	DEMOLITION	RJ	RUBBER TILE
DIM	DIMENSION	SCHD	SCHEDULE
DN	DOWN	SHWR	SHOWER
DW	DISHWASHER	SHLV	SHELVES
EA	EACH	SIM	SIMILAR
ELEC	ELECTRIC(AL)	SC	SOLID CORE
EP	ELECTRICAL PANEL	SS	SOLID SURFACE
ELEV	ELEVATION	SO	SHEETROCK OPENING
ENG	ENGINEER	SPEC	SPECIFICATION(S)
EQ	EQUAL	SQ	SQUARE
EQUIP	EQUIPMENT	SF	SQUARE FEET
EXIST	EXISTING	SSTL	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
FOC	FACE OF CONCRETE	STL	STEEL
FOF	FACE OF FINISH	STR	STRUCTURAL
FOS	FACE OF STUDS	T	TREAD
FT	FEET OR FOOT	TO	TOP OF
FIN	FINISH	TBD	TO BE DETERMINED
FLR	FLOOR	T&G	TONGUE & GROOVE
FD	FLOOR DRAIN	TEMP	TEMPERED, TEMPORARY
FTG	FOOTING	TYP	TYPICAL
FEN	FOUNDATION	UC	UNDER COUNTER
FURN	FURNITURE	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GL	GLASS	VIF	VERIFY IN FIELD
GBD	GYPSUM BOARD	VB	VINYL BASE
GRT RM	GREAT ROOM	VGT	VINYL COMPOSITION TILE
HDWR	HARDWARE	W	WASHER
HVAC	HEATING, VENTILATION & AIR CONDITIONING	WD	STACKED WASHER & DRYER
		WASCT	WAINSCOT
		WC	WATER CLOSET
		WIC	WALK IN CLOSET
		WH	WATER HEATER
		WT	WEIGHT
		WDM	WINDMILL
		W	WITH
		WO	WITHOUT
		WD	WOOD

**SYMBOL LEGEND:**

= SMOKE DETECTOR

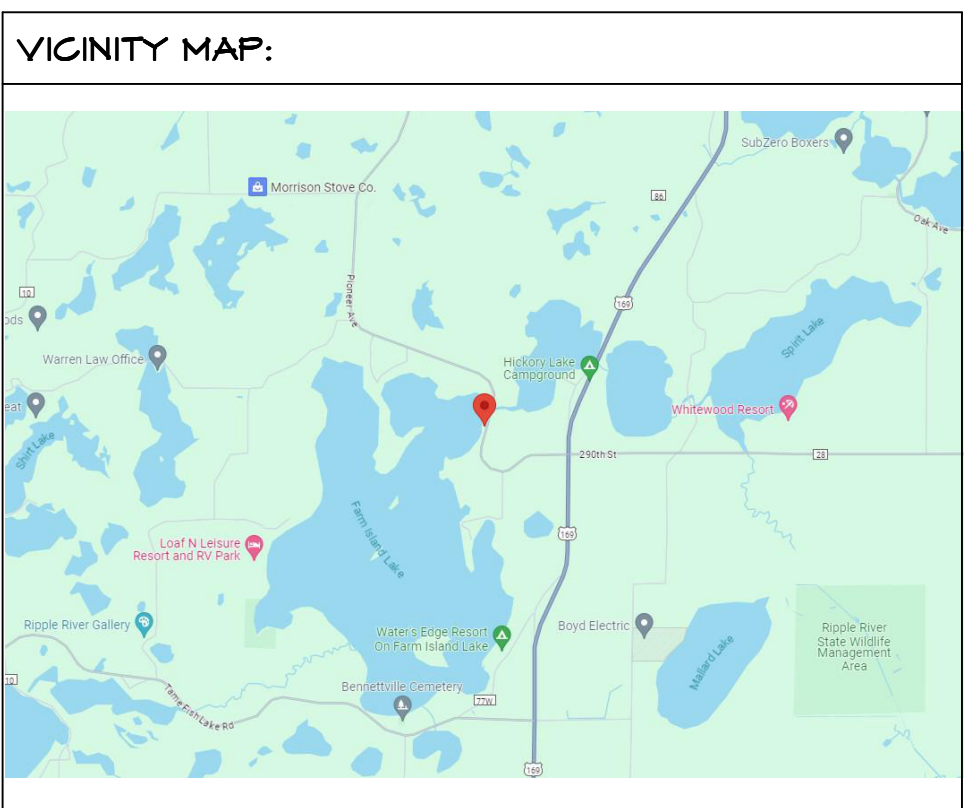
= SMOKE & CARBON DIOXIDE DETECTOR

**SQ. FT. ADDITION**

BONUS RM.	534 SF
ENTRY ADDITION	60 SF
GARAGE ADDITION	642 SF
GUEST QUARTERS ADDITION	624 SF
NEW DORMER ADDITION	40 SF
TOTAL	1901 SF

**SQ. FT. REMODEL**

OWNER SUITE + ENTRY HALL (EXIST. GARAGE REMODEL)	509 SF
SUNROOM REMODEL	185 SF
LIVING RM./KITCHEN/BATH REMODEL	537 SF
TOTAL	1231 SF



**SHEET INDEX**

A-0.0	COVER SHEET
A-0.1	3D IMAGES
A-1.0	SITE PLAN
A-2.0	EXTERIOR ELEVATIONS
A-3.0	FOUNDATION PLAN TBD
A-4.0	FIRST FLOOR PLAN
A-5.0	SECOND FLOOR PLAN
A-6.0	BUILDING SECTIONS TBD
A-7.0	WALL SECTIONS TBD
A-8.0	ROOF PLAN TBD

**PRELIMINARY - NOT FOR CONSTRUCTION**

**DISCLAIMER:**  
TO THE BEST OF MY KNOWLEDGE, THESE PLANS ARE DRAWN TO COMPLY WITH OWNERS AND/OR BUILDER'S SPECIFICATIONS. ANY CHANGES MADE ON THE FIELD WILL BE DONE AT THE OWNERS AND/OR BUILDER'S EXPENSE AND RESPONSIBILITY. THE CONTRACTOR SHALL VERIFY ALL OF THE ENCLOSED DRAWINGS AND DETAILS PRIOR TO CONSTRUCTION FOR OVERALL ACCURACY APPROPRIATE TO SITE CONDITIONS. ANY DISCREPANCIES AND/OR ERRORS MUST BE BROUGHT TO THE DESIGNER'S ATTENTION PRIOR TO COMMENCING WORK. NO CORRECTION CAN BE MADE IN A TIMELY MANNER, INCLUDING ANY CHANGES TO PLANS DONE BY STRUCTURAL, MECHANICAL, PLUMBING, AND ANY OTHER DRAWINGS NEEDED FOR CONSTRUCTION. THESE PLANS WERE NOT PREPARED BY A LICENSED ARCHITECT OR ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO ASSURE THAT ALL WORK IS IN ACCORDANCE WITH CURRENT CODE AND CONSTRUCTION STANDARDS. IT IS THE RESPONSIBILITY OF THE BUILDER TO INSURE THAT ALL MANUFACTURED ARTICLES, MATERIAL, AND EQUIPMENT ARE INSTALLED AS DIRECTED BY MANUFACTURERS.



**HULSING LAKE CABIN**

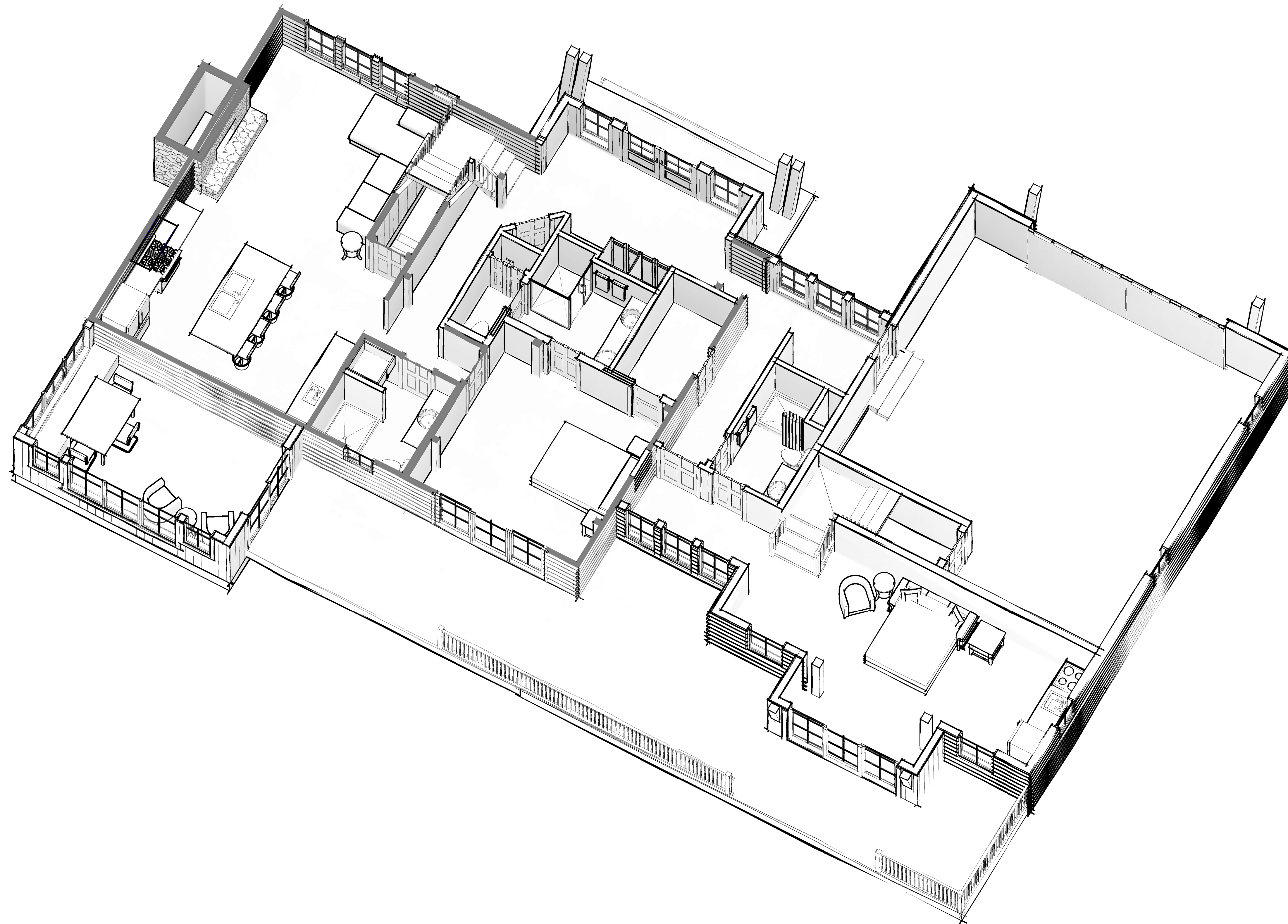
**AIMEE & JOHN HULSING**

29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER: **24002**  
NOT TO SCALE IF PRINTED ON 11X17

COVER SHEET  
**A-0.0**





**DISCLAIMER:**  
THESE PLANS ARE DRAWN TO COMPLY WITH OWNER'S AND/OR BUILDER'S SPECIFICATIONS TO DATE. ANY ALTERATIONS MADE IN THE FIELD WILL BE AT THE RESPONSIBILITY OF THE OWNER AND/OR BUILDER. THE BUILDER SHALL VERIFY ALL DRAWINGS AND DETAILS PRIOR TO CONSTRUCTION FOR OVERALL ACCURACY APPROPRIATE TO SITE CONDITIONS. ANY DISCREPANCIES, ERRORS AND/OR CHANGES MUST BE BROUGHT TO THE DESIGNER'S ATTENTION PRIOR TO COMMENCING WORK SO REVISIONS CAN BE MADE. IT IS THE BUILDER'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS IN ACCORDANCE WITH CURRENT CODE AND CONSTRUCTION STANDARDS. IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAT ALL MANUFACTURED ARTICLES, MATERIAL, AND EQUIPMENT ARE INSTALLED AS DIRECTED BY MANUFACTURERS.

**PRELIMINARY - NOT FOR CONSTRUCTION**

**HULSING LAKE CABIN**

**AIMEE & JOHN HULSING**

29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER:	24002
DRAWN BY:	SG
PRELIMINARY DATE:	4/4/2024

REVISIONS:	
1	
2	
3	
4	
5	
6	

NOT TO SCALE IF PRINTED ON 11X17

3D IMAGES  
**A-0.1**



DISCLAIMER:  
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**HULSING LAKE CABIN**

**AIMEE & JOHN HULSING**  
29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER: 24002

DRAWN BY: SG

PRELIMINARY DATE: 4/4/2024

REVISIONS:	
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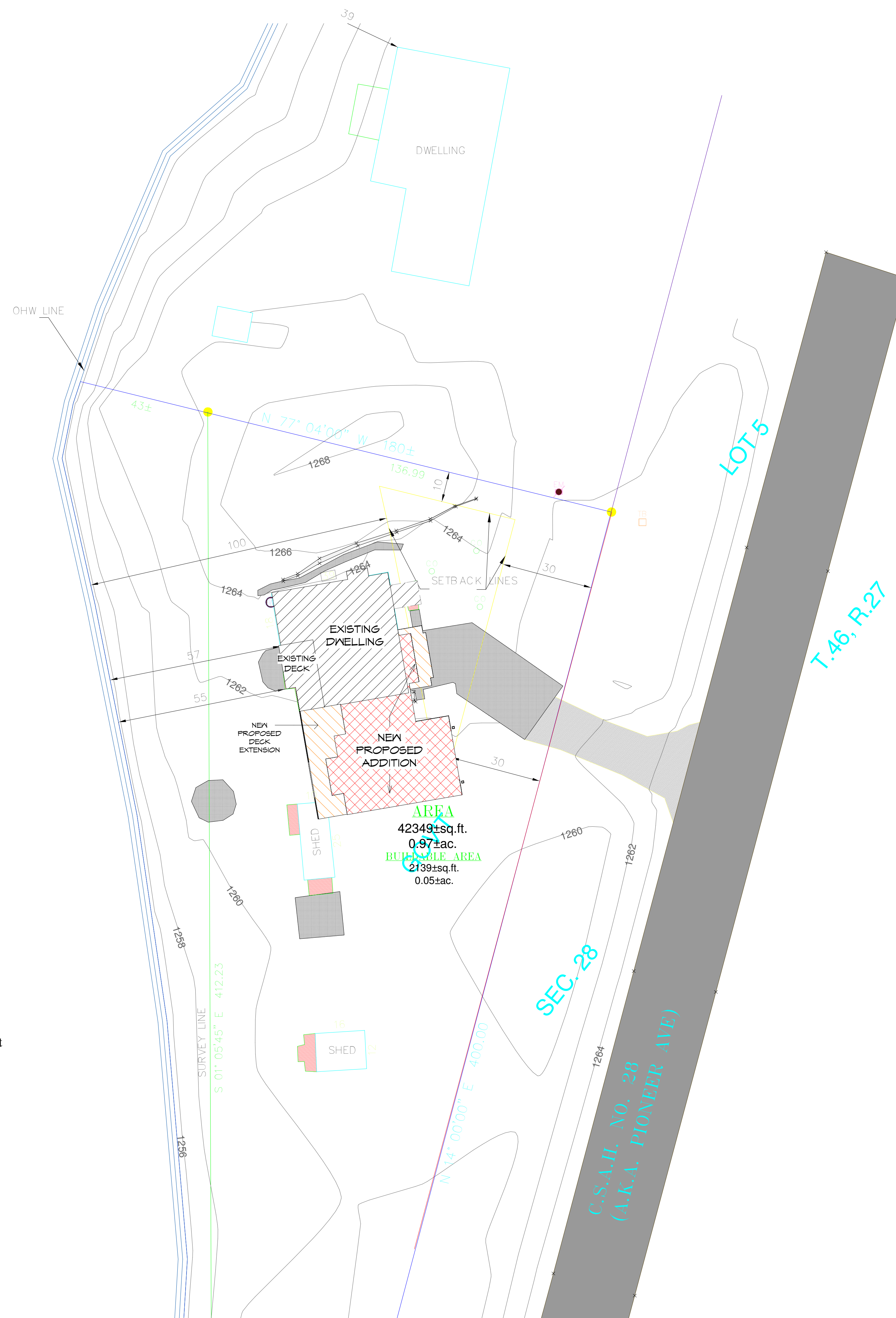
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SITE PLAN

**A-1.0**

**PRELIMINARY - NOT FOR CONSTRUCTION**

**FARM ISLAND LAKE**  
Lake No.: 1015900  
Lake Classification: Recreational Development (RD)  
Date: March 5, 2024  
Ice Elevation = 1255.1 feet (MSL 1912)  
O.H.W. Elevation = 1255.5 feet (MSL 1912)

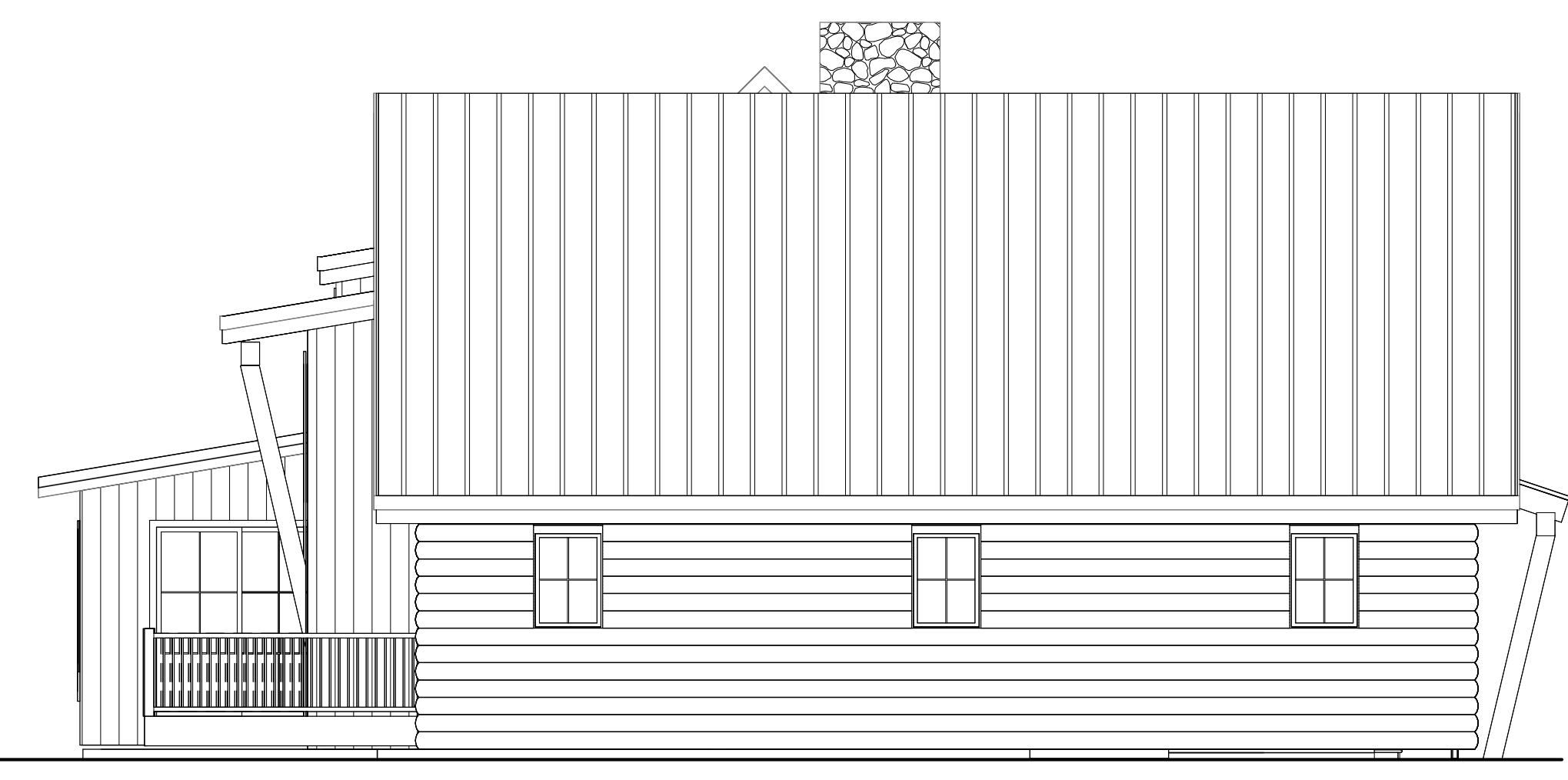




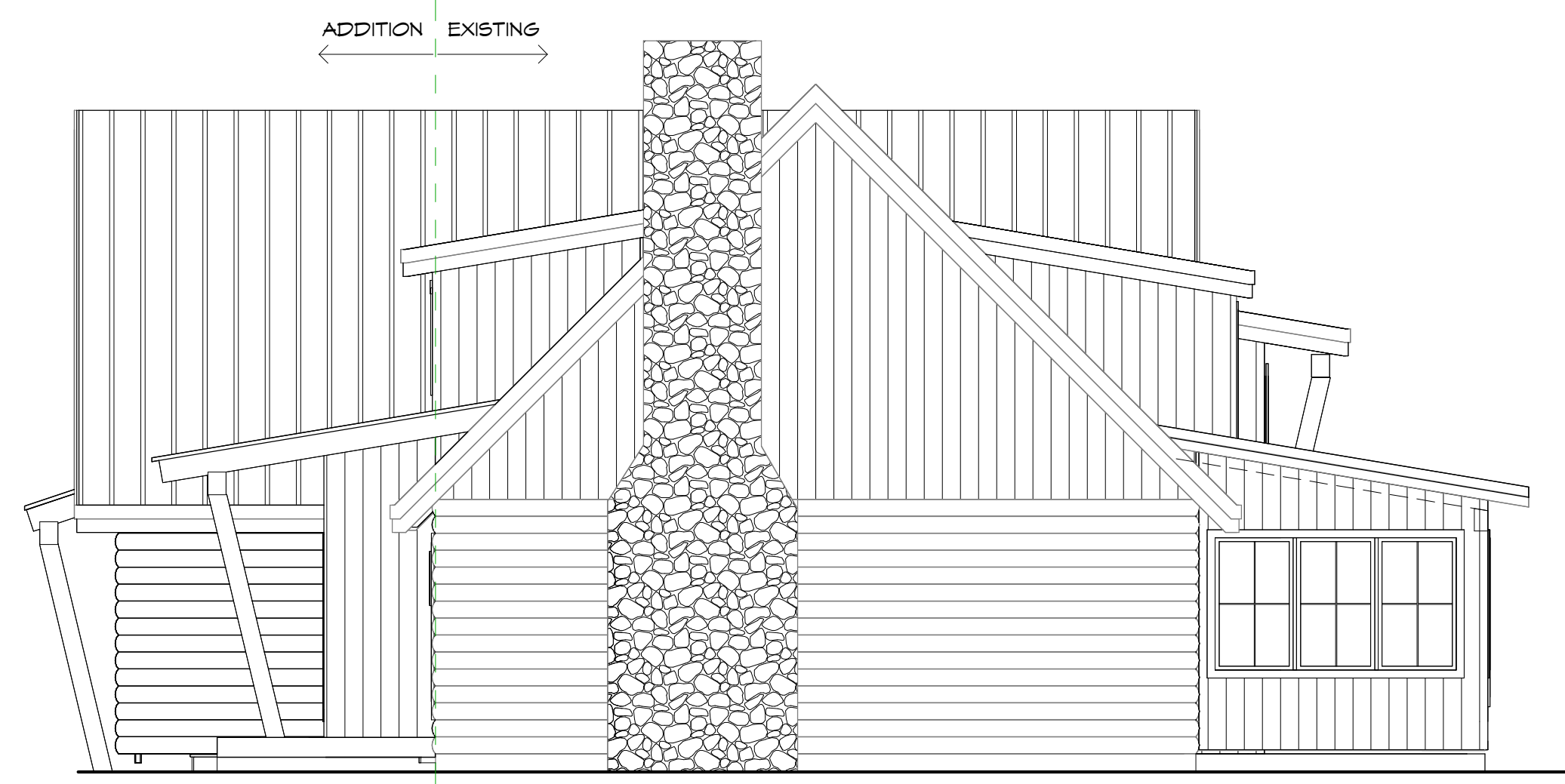


MIN. 6" WOOD/EARTH SEPARATION REQ'D  
MIN. SLOPE OF 6" IN FIRST 10".

① FRONT ELEVATION  
1/4" = 1'-0"



② LEFT ELEVATION  
3/16" = 1'-0"



④ RIGHT ELEVATION  
3/16" = 1'-0"



③ REAR ELEVATION  
1/4" = 1'-0"



RESIDENTIAL DESIGNER  
SAINT JOSEPH, MN  
(320)905-5177  
sarag@girouxdesignstudio.com

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PRELIMINARY - NOT FOR CONSTRUCTION

HULSING LAKE CABIN

AIMEE & JOHN HULSING

29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER: 24002

DRAWN BY: SG

PRELIMINARY DATE: 4/4/2024

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EXTERIOR ELEVATIONS

A-2.0



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**HULSING LAKE CABIN**

**AIMEE & JOHN HULSING**

29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER: 24002  
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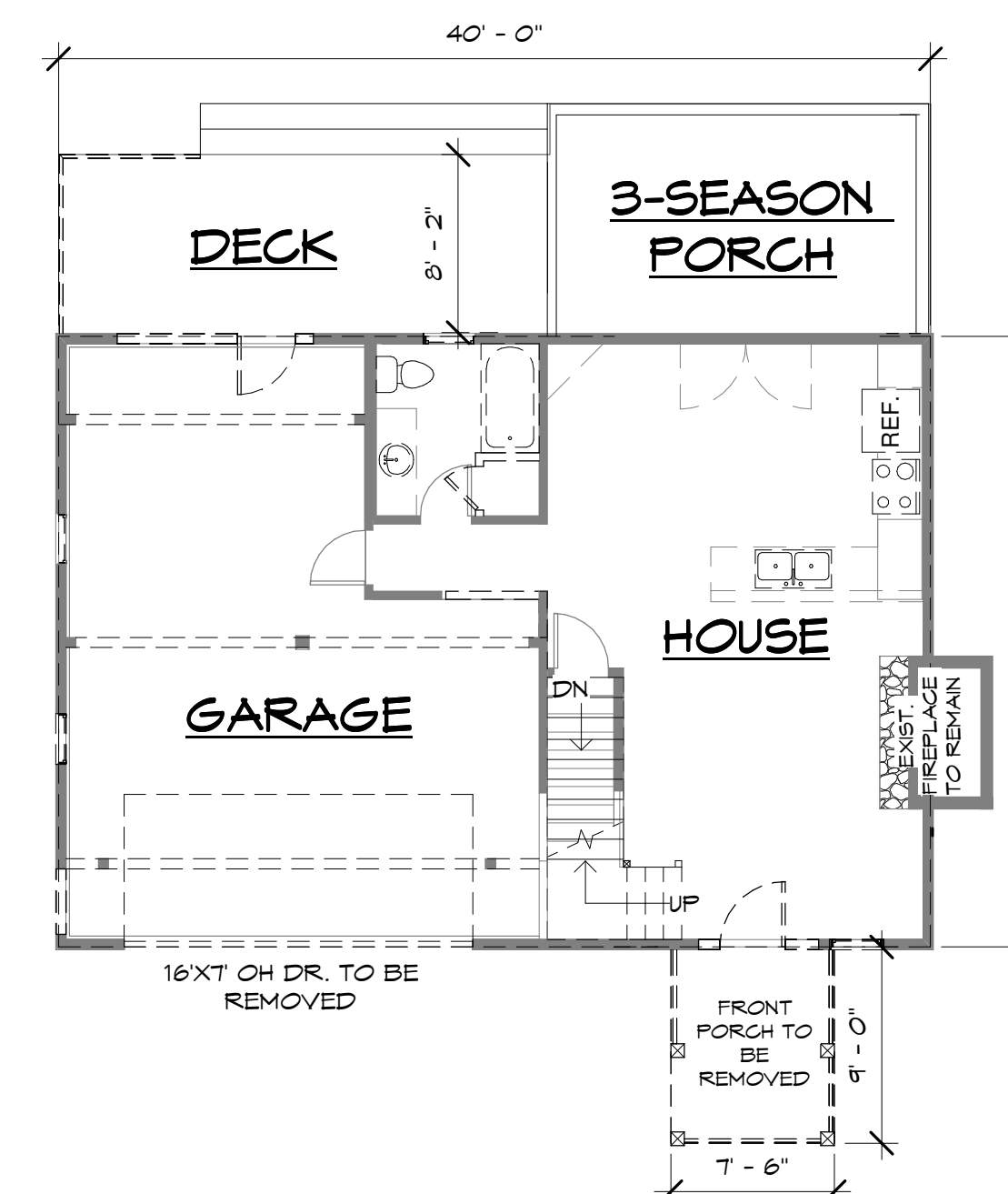
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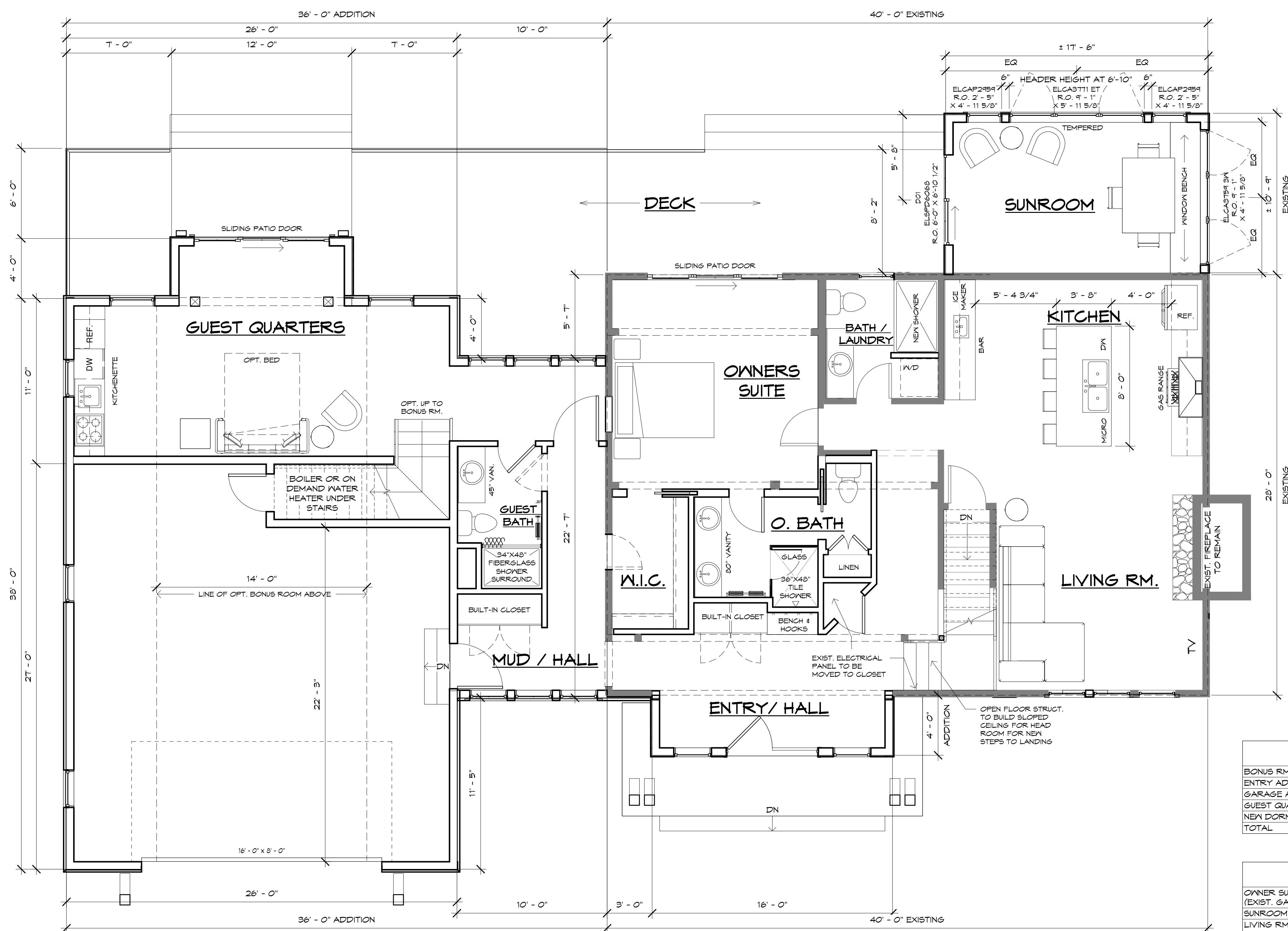
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FIRST FLOOR PLAN

**A-4.0**



EXISTING FLOOR PLAN  
1/8" = 1'-0"



FIRST FLOOR PLAN  
1/4" = 1'-0"

SQ. FT. ADDITION	
BONUS RM.	594 SF
ENTRY ADDITION	68 SF
GARAGE ADDITION	642 SF
GUEST QUARTERS ADDITION	624 SF
NEW DORMER ADDITION	40 SF
TOTAL	1907 SF

SQ. FT. REMODEL	
OWNER SUITE + ENTRY HALL (EXIST. GARAGE REMODEL)	509 SF
SUNROOM REMODEL	105 SF
LIVING RM./KITCHEN/BATH REMODEL	537 SF
TOTAL	1231 SF



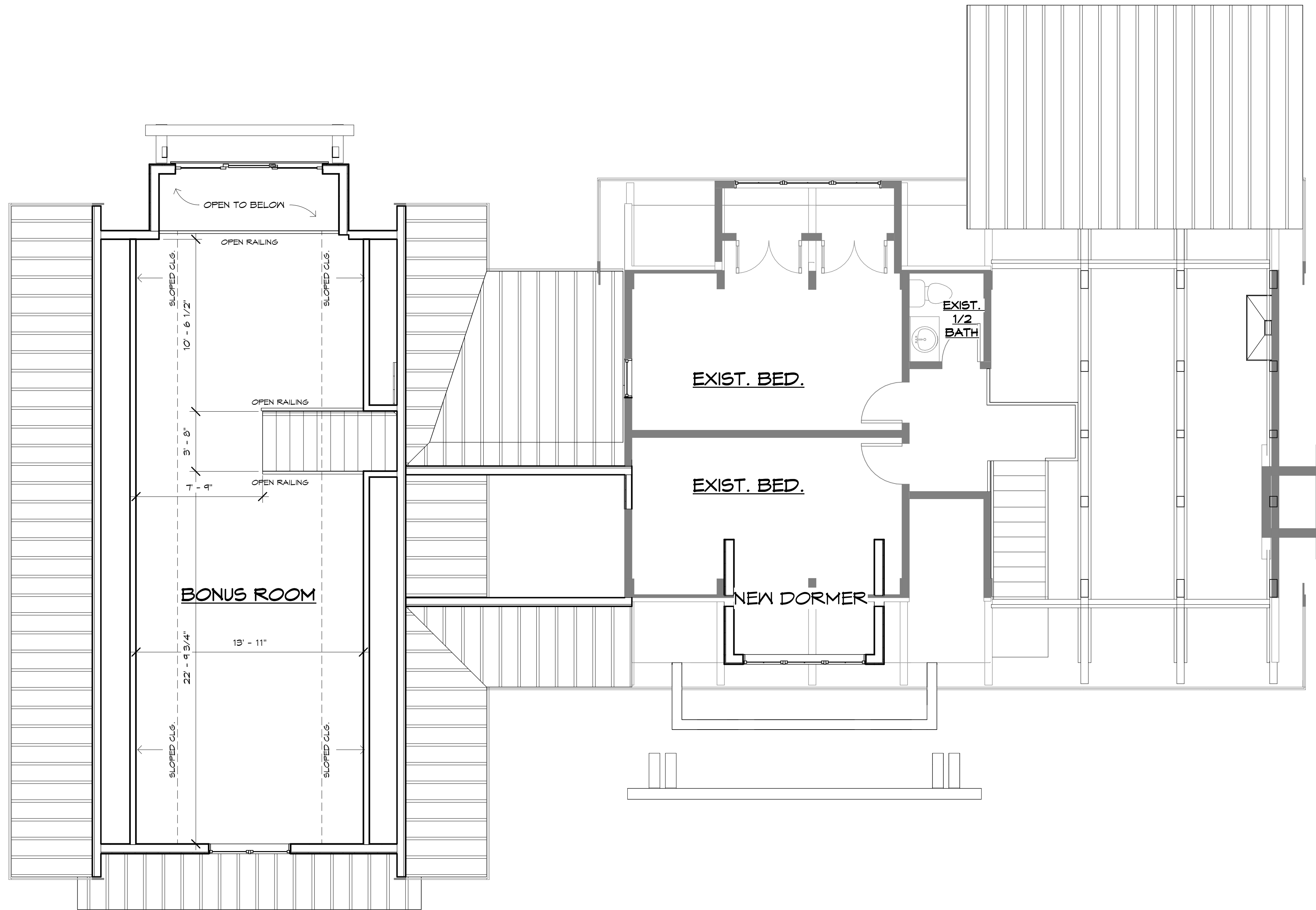
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**HULSING LAKE CABIN**

AIMEE & JOHN HULSING

29429 PIONEER AVE  
AITKIN, MN

**PRELIMINARY - NOT FOR CONSTRUCTION**



① SECOND FLOOR PLAN  
1/4" = 1'-0"

PROJECT NUMBER: 24002

DRAWN BY: SG

PRELIMINARY DATE: 4/4/2024

REVISIONS:	
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SECOND FLOOR PLAN

**A-5.0**



Permit #48223 Issued 9/19/23

07-0-062204 2023 Press Submit/Enter to continue or enter new parcel/tax year.

Parcel	Account	Asmt year	Tax year	Type
07-0-062204	5460	2022	2023	RE

Primary owner  
5105 GUNDERSON, LYNN & PAMELA

Taxpayer  
5105 GUNDERSON, LYNN & PAMELA

Ref. parcel  
00207000062204

Lake #/Name  
1015900 FARM ISLAND LAK

Physical address  
29429 Pioneer Ave  
AITKIN 56431

Hold tax statement  
Escrow

FALCO  
1 F.O.  
Commissioner dist  
2  
TIF district

Undeliverable tax address  
N  
Emergency#

MH court number

TIF knock down date  
User defined

Notes  
Lease type  
Surveyed  
UDI  
100.00%  
Billing  
P

Unique Taxing Area

UTA-Township/City  
7 FARM ISLAND TWP

School district  
1 ISD 0001 - Aitkin

AMBU \*\*\*\*  
00 00 00 00

State UTA code  
8 1 00

\*\*\*\*  
00 00

Unit

Property Description

Description  
1 AC OF LOT 5 IN DOC 242861

version 1

Acres Lot Block Plat - Description  
1.00

Sect/Twp/Range  
28 46.0 27



FIELD EVALUATION SHEET

Holding Tank Permit  
New John Hulsing Property

PRELIMINARY EVALUATION DATE Sept 1, 2023, FIELD EVALUATION DATE Sept 1, 2023  
PROPERTY OWNER: Lynn & Pamela Gunderson (Selling) PHONE (John) 612-702-6458  
ADDRESS: 29429 - Pioneer Avenue CITY, STATE, ZIP: Aitkin, Mn. 56433 (Cody) 763-232-5002  
LEGAL DESCRIPTION: \_\_\_\_\_  
PIN# 07-0-062204 SEC 28 T 46 R 27 TWP NAME Farm Island  
FIRE# \_\_\_\_\_ LAKE/RIVER Farm Island Lake LAKE CLASS \_\_\_\_\_ OHWL \_\_\_\_\_ FT. \_\_\_\_\_

DESCRIPTION OF SOIL TREATMENT AREAS

	AREA #1	AREA #2	REFERENCE BM ELEV. _____ FT.
DISTURBED AREAS	YES <input checked="" type="checkbox"/> NO _____	YES _____ NO _____	REFERENCE BM DESCRIPTION _____
COMPACTED AREAS	YES <input checked="" type="checkbox"/> NO _____	YES _____ NO _____	<u>Inlet on new tank should</u>
FLOODING	YES _____ NO <input checked="" type="checkbox"/>	YES _____ NO _____	<u>be approx 4 or more inches</u>
RUN ON POTENTIAL	YES _____ NO <input checked="" type="checkbox"/>	YES _____ NO _____	<u>below existing tanks outlet</u>
SLOPE %	<u>1</u>	YES _____ NO _____	_____
DIRECTION OF SLOPE	<u>W-E</u>	YES _____ NO _____	_____
LANDSCAPE POSITION	<u>W-E</u>	YES _____ NO _____	_____
VEGETATION TYPES	<u>Yard</u>	YES _____ NO _____	_____

DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 \_\_\_\_\_, 1A \_\_\_\_\_, 2 \_\_\_\_\_, 2A \_\_\_\_\_

BOTTOM ELEVATION—FIRST TRENCH OR BOTTOM OF ROCK BED: #1 \_\_\_\_\_ FT., #2 \_\_\_\_\_ FT.

SOIL SIZING FACTOR: SITE #1 \_\_\_\_\_, SITE #2 \_\_\_\_\_

CONSTRUCTION RELATED ISSUES: No room on lot for a new system that isn't disturbed  
Existing tank ok by Timber Lakes. Install new 1820 gallon at the end of existing  
tank. It will be mostly in the old abandoned drainfield. A manual or electric  
alarm will be needed in the end compartment  
LIC# L2132 SITE EVALUATOR SIGNATURE: Tom O'Neil

SITE EVALUATOR NAME: Tom O'Neil TELEPHONE# 218-927-6070

LUG REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SOIL BORING LOGS ON REVERSE SIDE

When the system is complete there will be the existing 1350 gallon and the new 1820 gallon tank for a total of approx. 3,170 gallons. They will be pumped by Timber Lakes when needed to be. The old system did not have enough separation to pass inspection. If more information is needed check the failed compliance inspection reports.



*Existing Tank*  
Sewage tank integrity assessment form

**Subsurface Sewage Treatment Systems (SSTS) Program**

Doc Type: Compliance and Enforcement

**Purpose:** This form *may* be used to certify the compliance status of the sewage tank components of the SSTS. **This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional.** SSTS compliance inspection report forms can be found at: <https://www.pca.state.mn.us/water/inspections>.

**Instructions:** This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report: [Compliance inspection form - Existing system \(wq-wwists4-31b\)](https://www.pca.state.mn.us/water/inspections). This form can be found on the MPCA website at <https://www.pca.state.mn.us/water/inspections>.

The information and certified statement on this form is **required** when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4(B)(1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4(B),(C), and (D) and; Minn. R. 7083.0730(C).

**Owner information**

Owner/Representative O'Neil, Tom - Rep New John Hulsing Property  
 Property address: 29429 Pioneer Ave., Aitkin, MN 56431  
 Local Regulatory Authority: Aitkin County Parcel ID: 07-0-062204

**System status**

System status on date (mm/dd/yyyy): 8/25/2023

**Certificate of sewage tank compliance**  **Notice of sewage tank non-compliance**

**Compliance criteria:**

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "Imminent Threat to Public Health or Safety."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

Any "yes" answer above indicates sewage tank non-compliance.

**Company information**

Company name: Timber Lakes Septic Service Inc  
 Business license number: L455

**Designated Certified Individual (DCI) information**

Print name: Dan Swanson  
 Certification number: C6023

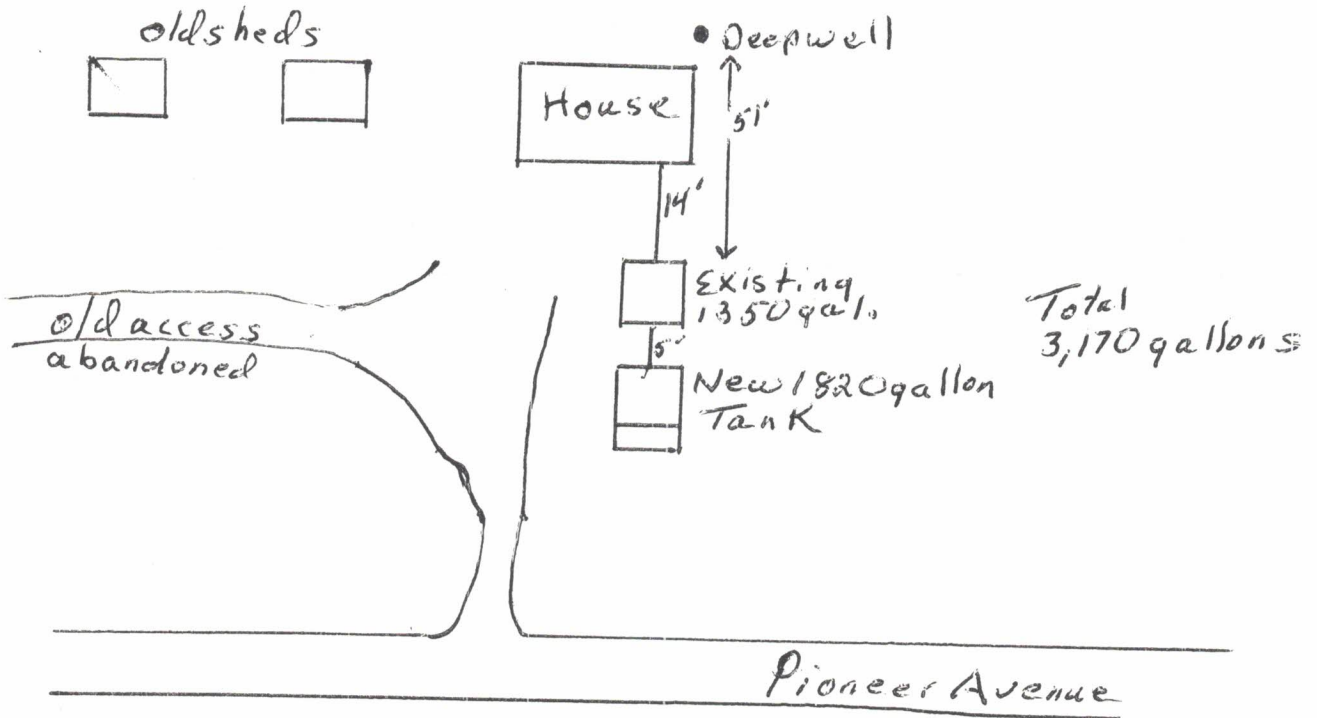
*I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.*

**By typing/signing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.**

Designated Certified Individual's signature: Dan Swanson Date (mm/dd/yyyy): 8/25/2023  
*(This document has been electronically signed.)*



Farm Island Lake



No Area for a new type I system



HOLDING TANK PUMPING SERVICE AGREEMENT

Permit # \_\_\_\_\_ Address 29429-Pioneer Ave, Aitkin, Mn, 56431

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Timber Lakes Septic, hereinafter referred to as "Contractor", and John Hulsing, hereinafter referred to as "Homeowner".

WHEREAS, Homeowner desires and is required to retain individual sewage treatment system holding tank services to protect the environment and to obtain a certificate of compliance from Aitkin County; and

WHEREAS, the Contractor desires to provide sewage treatment system pumping services to Homeowner as necessary and in accordance with the terms and conditions outlined herein.

NOW THEREFORE, in consideration of the mutual promises contained herein, Parties do hereby agree as follows:

1. **TERM.** The term of this Agreement shall be from \_\_\_\_\_ to final installation of an Aitkin County approved sewage treatment system or connection to a Municipal Sewage Treatment System, unless earlier terminated as provided herein. The parties understand and agree that this Agreement is intended to arrange for the provision of pumping services so that Homeowner may occupy the home pursuant to a certificate of compliance to be issued by the Aitkin County Environmental Services Department upon execution of this Agreement. Homeowner further agrees that at the earliest possible date, Homeowner shall have a permanent sewage treatment system installed in accordance with the Aitkin County Subsurface Sewage Treatment System Ordinance and as approved by the Aitkin County Environmental Services Department or connect to a Municipal Sewage Treatment System. Upon approval by the County of Aitkin of the individual sewage treatment system or connection to a municipal sewer, or approval by Aitkin County Environmental Services of an amended or different contract, this Agreement shall terminate.

2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- Tank size (gal.) 3,170 / (number of household occupants multiplied by 75 gallons per day) = frequency of pumping: or 1350 and a new 1820
- Within 24 hours of indication by tank alarm of lack of capacity (applicable only if system has a functional alarm):
- Whichever is greater

Contractor agrees to provide pumping services according to the regular pumping schedule or as needed to prevent discharge. Homeowner shall compensate Contractor as agreed by the parties for pumping services rendered.

3. **INSPECTION.** Holding tanks will be inspected by a licensed pumper at the time of servicing for leaks below the operating depth and whether tank tops, riser joints, and connections leak through visual evidence of major defects.

4. **REPORTING.** Grievances of Homeowner or Contractor shall be reported to the Aitkin County Environmental Services Department by Homeowner or Contractor. Homeowner and Contractor understand that failure to have holding tank pumped as herein specified or the discharge of any contents from the holding tank, regardless of fault, may result in the suspension, cancellation or revocation of the certificate of compliance, and the homeowner may be required to vacate the premises.

[Signature]  
Contractor

[Signature]  
Homeowner

Date 9/1/23

Date 9/5/23



# AITKIN COUNTY SHORELAND PERFORMANCE

## (Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) ..... 1: \_\_\_\_\_
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) ..... 2: \_\_\_\_\_
- 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought ..... 3: 55
- 4) Enter the corresponding 'Score Multiplier' ..... 4: \_\_\_\_\_
- 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... 5: 55

Reference Table: Performance Multipliers for structures, septics, bluff, and sidelots in Aitkin County.

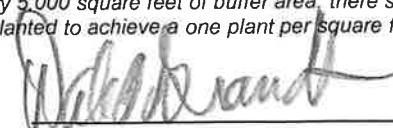
Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	3.33	10.000
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		

**Mitigation:** To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... **15 points**
- Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c) ..... **30 points**
- B) Zone B: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **20 points**
- C) Zone C: Plant and/or maintain an additional 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.\* A ten-foot (10') access path is allowed. .... **10 points**
- D) Construction of rain garden(s) to Wisconsin DNR Manual specifications ..... **20 points**
- E) Removal of all other structures that do not meet the standard building setbacks, including water oriented structures ..... **20 points**
- F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A) ..... **10 points**
- G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed ..... **10 points**
- H) Re-vegetate bluff or steep slopes\* and provide screening of structures from the lake. .... **10 points**
- I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary ..... **10 points**
- J) Existing conditions may apply on the property that warrant credit ..... **To be determined by P&Z**

**Final Score** = Pre-mitigation Lot Score (Line 5) 55 + Mitigation Totals (Lines A-I) \_\_\_\_\_ = 55

\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years

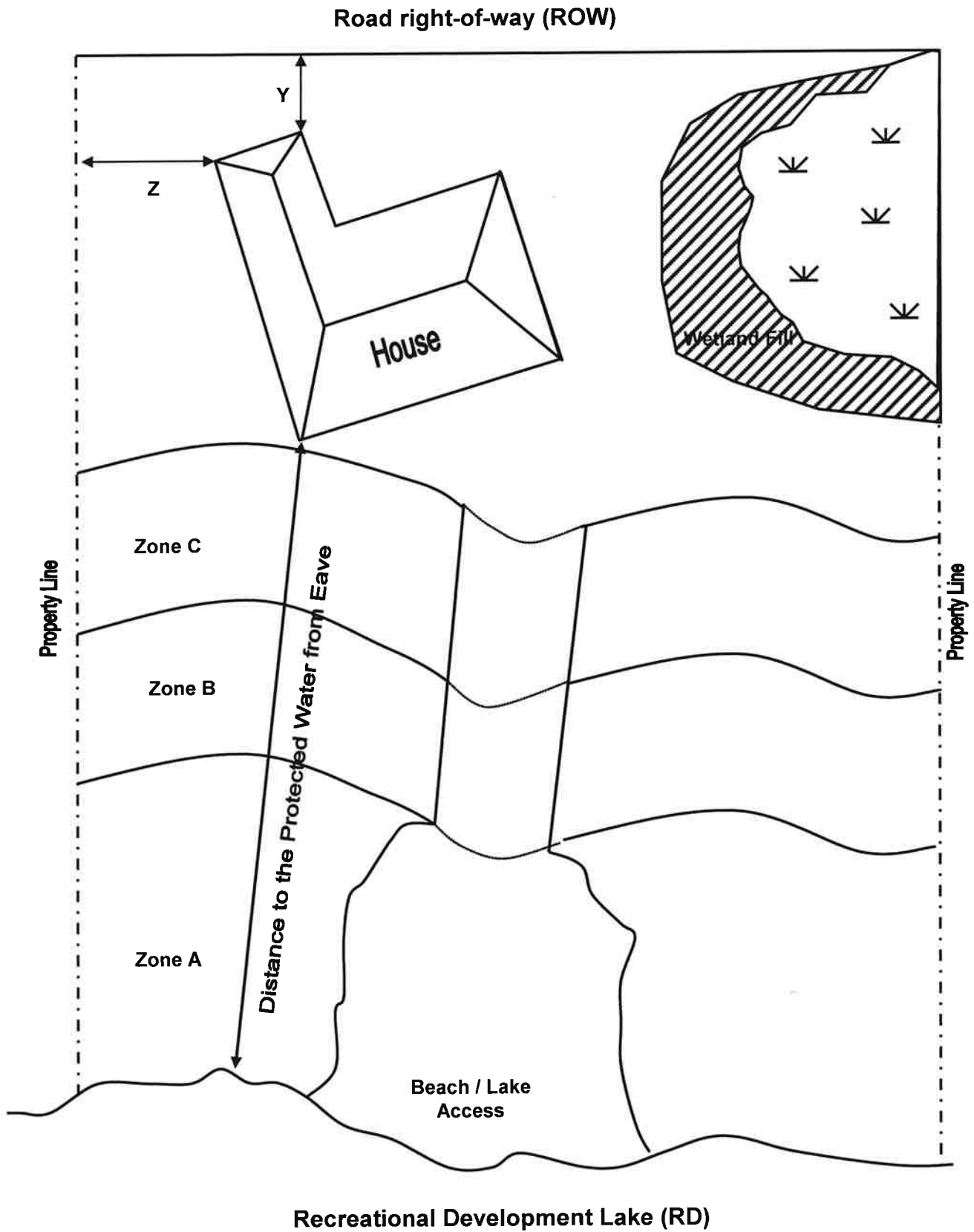


\_\_\_\_\_  
Board of Adjustment Chairperson

\_\_\_\_\_  
Applicant



AITKIN COUNTY SHORELAND PERFORMANCE  
(Example)





# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW, Room 219  
Aitkin, Minnesota 56431

PH: (218) 927-7342  
FX: (218) 927-4372



## PART VI: VARIANCE APPLICATION

### “Aitkin County Shoreland Performance” Worksheet Instructions:

**Are you applying for a variance from the Aitkin County Shoreland Management Ordinance?** If so, you must complete the “Aitkin County Shoreland Performance” sheet. This is used as an attempt to evaluate your property and project as it relates to the required setbacks and the intent of the Ordinance to protect water quality, habitat and aesthetics. Your project will receive a ranking/score that relates to a “percentage” of compliance with the Department of Natural Resources guidelines and Aitkin County Ordinances.

**STEP 1:** Determine the level of non-conformance and score by completing 1-5 on the worksheet. The actual setback will be multiplied by the corresponding ‘score multiplier’ to determine your “Pre-mitigation Lot Score”.

**STEP 2:** Review the mitigation options and circle those that you would be willing to implement as a condition of your variance. See letters A-J.

\*As a note, if you will be creating a buffer zone or other landscape project as part of your mitigation plan, please be prepared to present an approved plan to the Board of Adjustment. Although not familiar with specifics of the “Aitkin County Shoreland Performance” worksheet, the Aitkin County Soil & Water Conservation District [SWCD] (218-927-7284) and the University of Minnesota Extension Master Gardeners (218-927-2538) may be resources that would be able to provide you with planting suggestions and landscaping ideas.

**STEP 3:** A final score is determined by adding your “Pre-mitigation Lot Score” with your “Mitigation Total”. *Please note, the property should obtain a score of 100 or more to meet performance standard requirements.*

After a practical difficulty has been determined, the Board of Adjustment may use the “Aitkin County Shoreland Performance” sheet submitted with your application and/or use their own completed sheet to attempt to mitigate impacts to the water-body and/or adjoining properties.

If you have any questions, please contact Aitkin County Environmental Services – Planning & Zoning at (218) 927-7342.



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**HULSING LAKE CABIN**

AIMEE & JOHN HULSING  
29429 PIONEER AVE  
AITKIN, MN

PROJECT NUMBER: 24002

DRAWN BY: SG

PRELIMINARY DATE: 4/3/2024

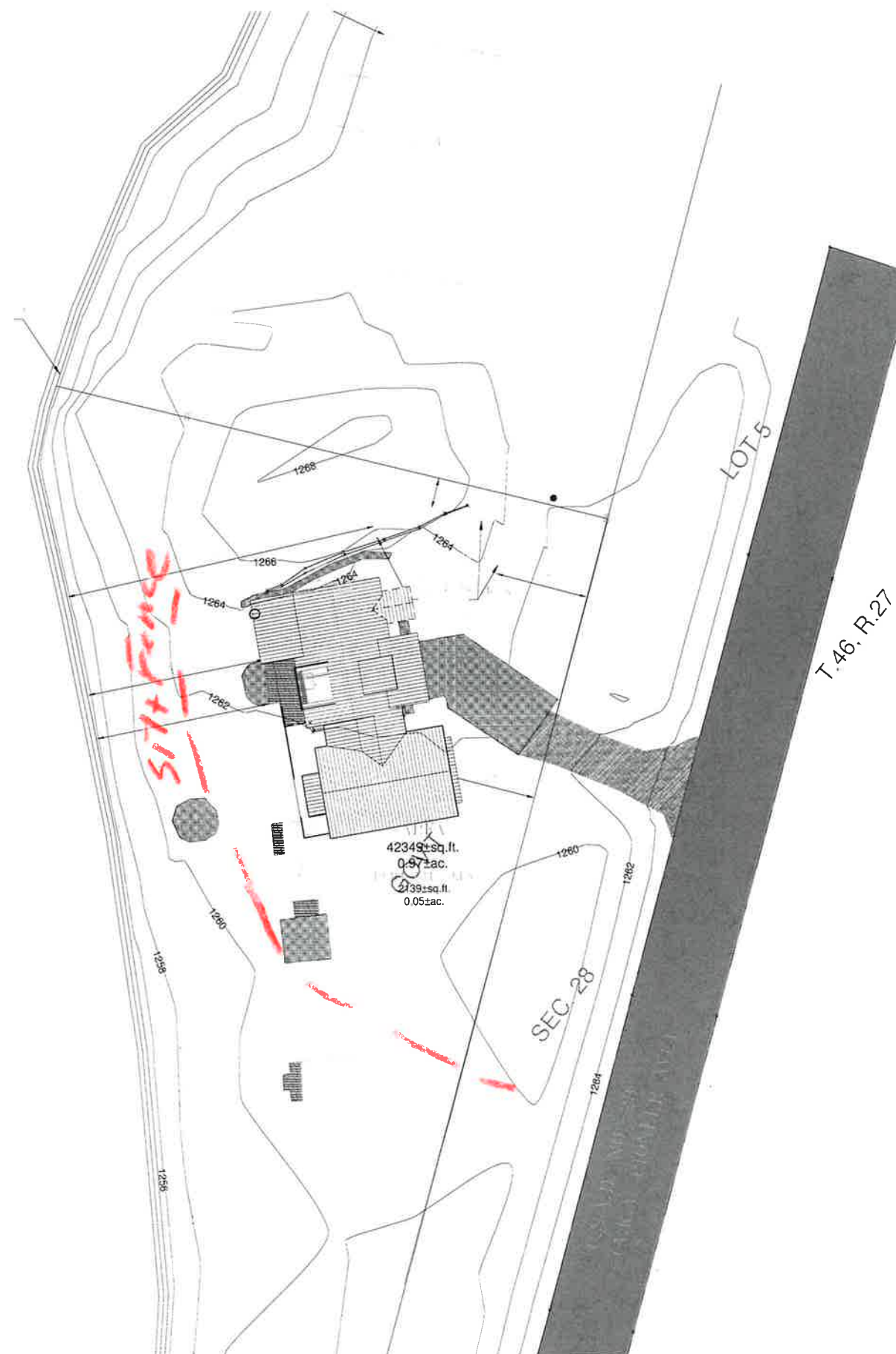
REVISIONS:

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NOT TO SCALE IF PRINTED ON 11X17

SITE PLAN

**A-1.0**



**FARM ISLAND LAKE**

Lake No.: 1015900

Lake Classification: Recreational Development  
(RD)

Date: March 5, 2024

Ice Elevation = 1255.1 feet (MSL 1912)

O.H.W. Elevation = 1255.5 feet (MSL 1912)

**PRELIMINARY - NOT FOR CONSTRUCTION**



CRV Filed  
No Delinquent Taxes and Transfer Entered  
Kirk Peysar, County Auditor  
State Deed Tax Paid  
Lori Grams, County Treasurer

Doc No: **A478565**

WAD 2/2

Certified Filed and/or Recorded on  
**9/11/2023 12:38 PM**

REC FEE	\$46.00
SDT	\$1897.50
eCRV #	1577105
WC RCVD	\$50.00
WC #	1074768

Office of the County Recorder  
Aitkin County, Minnesota  
Tara Snyder, County Recorder

Package: **84045** Terri

(Top 3 Inches reserved for recording data)

**WARRANTY DEED**

Individual(s) to Individual(s)

**LSN64910**

eCRV: **1577105**

DEED TAX DUE: \$1,897.50

DATE: September 1, 2023

FOR VALUABLE CONSIDERATION, Pamela A Gunderson, a single woman ("Grantor"), hereby conveys and warrants to John Hulsing and Aimee Hulsing ("Grantee"), as

(check only one box)

tenants in common,

joint tenants,

(If more than one Grantee is named above and either no box is checked or both boxes are checked, this conveyance is made to the named Grantees as tenants in common.)

real property in Aitkin County, Minnesota, legally described as follows:

→ **SEE ATTACHED EXHIBIT A**

Check here if all or part of the described real property is Registered (Torrens)

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:

**EASEMENTS, RESTRICTIONS AND COVENANTS OF RECORD, IF ANY**



Check applicable box:

- The Seller certifies that the Seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document or has been electronically filed. (If electronically filed, insert WDC number: [...]) 1074768
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

Grantor

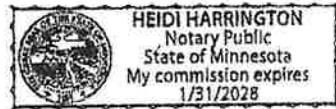
Pamela A. Gunderson

Pamela A Gunderson

State of MN, County of Ramsey

This instrument was acknowledged before me on this 1 day of September, 2023 by Pamela A Gunderson, a single woman.

(Stamp)



[Signature]

(signature of notarial officer)

Title (and Rank): \_\_\_\_\_

My commission expires: \_\_\_\_\_

(month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:  
**LENSERV NATIONAL TITLE, INC**  
 17323 US Highway 10 #B  
 Elk River, MN 55330  
 LSN64910

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED IN  
 THIS INSTRUMENT SHOULD BE SENT TO:  
 John Hulsing and Aimee Hulsing

7195 Gunflint Trail  
Chanhassen, MN 55317



## Exhibit A Legal Description

The real property in Aitkin County, Minnesota, described as follows:

That part of Government Lot Five (5), Section Twenty-eight (28), Township Forty-six (46), Range Twenty-seven (27), described as follows:

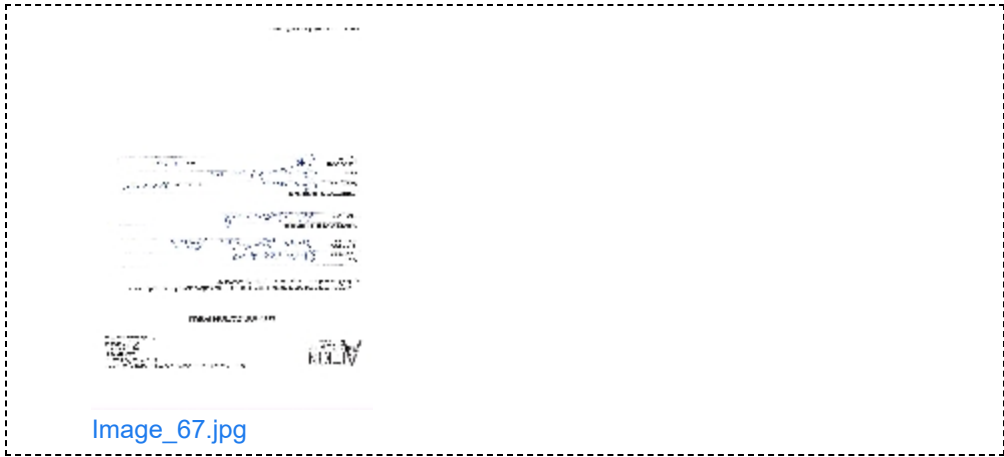
Commencing at the South 1/4 corner of said Section Twenty-eight (28); thence East, on an assumed bearing, along the South line of said Section Twenty-eight (28), a distance of Two Hundred Eighty-six and Ten Hundredths (286.10) feet; thence North Fourteen degrees Zero Minutes (14 degrees 00') East, a distance of Nine Hundred Twenty-seven and Sixty-nine Hundredths (927.69) feet to the actual point of beginning of the tract to be described; thence continuing North Fourteen degrees Zero minutes (14 degrees 00') East, a distance of Four Hundred (400.00) feet; thence North Seventy-seven degrees Four minutes (77 degrees 04') West, a distance of One Hundred Eighty-four and Six Tenths (184.6) feet, more or less, to the shoreline of Farm Island Lake; thence Southerly, along said shoreline of said Farm Island Lake, to its intersection with a line that bears North Seventy-seven degrees Four minutes (77 degrees 04') West, from the actual point of beginning; thence South Seventy-seven degrees Four minutes (77 degrees 04') East, a distance of Forty-nine and Two Tenths (49.2) feet, more or less, to the actual point of beginning.

Abstract Property

Parcel ID No. 07-0-062204



**Authorized Agent**

<p>Please attach the completed authorized agent form:</p>	 <p><a href="#">Image_67.jpg</a></p>
<p>Property Owner Email Address:</p>	<p>chris.hagman6@yahoo.com</p>



**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	21-0-005800	31993 280th St AITKIN, MN 56431	MALMO TWP	NW 1 AC OF LOT 4		S:4 T:45 R:25			HAGMAN ENTERPRISES LLC	HAGMAN ENTERPRISES LLC
Driving directions to the proposed project from Aitkin:	17 miles southeast of Aitkin on Highway 47									
Is the above parcel located in the Shoreland Zoning District?	<u>No</u>									



**Detailed Narrative**

<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>Proposed 32 x 14 dining room addition to east end of existing structure. Existing structure is permitted with a variance and does not meet set back to state highway47, or Township road 280th.  Proposed addition will have a setback from 280th of 36'  Proposed addition will not add to existing impervious surfaces.  Proposed addition will not encroach on any setbacks.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>structure setback 8.33</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships?  Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>




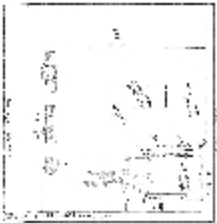
Supplemental Data

Attach completed form here:





**A Scaled Drawing or Survey**

<p>Scaled Drawing or Survey Checklist:</p>	<p><u>Location and dimensions for all lot lines.</u> <u>Location and dimensions of all existing and proposed structures/additions.</u> <u>Location and depth of all existing and proposed wells within 100 feet of the property.</u> <u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u> <u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u> <u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u> <u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
<p>Attach a Scaled Drawing or Survey:</p>	<div data-bbox="487 483 1482 1546" style="border: 1px dashed black; padding: 10px;"><p>File 1: <a href="#">Image_71.jpg</a></p><p>File 2: <a href="#">Image_72.jpg</a></p></div>





File 3: [Image\\_73.jpg](#)

### Side Profile Sketch of the Structure

Attach a side profile sketch of your proposed structure or addition here (if applicable):



File 1: [Image\\_74.jpg](#)



### Certificate of Septic Compliance

Please attach a copy of one of the following:

- A current compliance inspection on the existing septic system.
- A design for a new/replacement septic system.

File 1: [Compliance\\_Glen\\_Store.pdf](#)

File 2: [Letter\\_Glen\\_Store\\_2024.pdf](#)

File 3: [Original\\_Design\\_Flow\\_Glen\\_Store.pdf](#)

### Property Deed

Attach the property deed(s):



File 1: [Image\\_77.jpg](#)

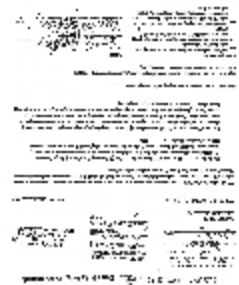


File 2: [Image\\_78.jpg](#)



File 3: [Image\\_79.jpg](#)





File 4: [Image\\_81.jpg](#)



File 5: [Image\\_82.jpg](#)



File 6: [Image\\_83.jpg](#)

**General Terms**

The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.

Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.

I acknowledge that by submitting this application, the application and its attachments are public information.

**Invoice #60184 (04/04/2024) Expected Payment Method: Pay Online - Card or ECheck**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 04/03/2024 7:48 AM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 04/03/2024 7:48 AM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
		<b>Total</b>	<b>\$696.00</b>
		<b>Payment 04/04/2024</b>	<b>\$696.00</b>
		<b>Due</b>	<b>\$0.00</b>

**Results** ([Go to top](#))  
 Signature accepted  
 Failed to send [Variance Ready for Action](#) notification to:

**Approvals**

Approval	Signature
----------	-----------



Applicant	Neil A. westerlund - 04/04/2024 4:40 PM c5a0f83e261ea46fc7ea1416bfb89e69 1687c855fff5b7d5be8aaa85bf99b6e3
#1 Admin	Kim Burton - 04/05/2024 8:40 AM 21b6a0d57abdb74cfeace26f4f930641 c602cdc43f3f2763c0f014bfc8ce2293
#2 Board of Adjustment	

Public Notes

Text:	<div style="border: 1px solid black; height: 300px; width: 100%;"></div>
File(s):	<div style="border: 1px dashed black; height: 20px; width: 100%;"></div>

Admin Checklist

This review has been started by:	Kim Burton ▼
Zoning District of project location:	*Please Select* ▼
Project located in the floodplain?	No ▼

Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	<input type="text" value="Yes"/>
Is this an after-the-fact application?	<input type="text" value="No"/>

Numbers

	Current Number	Next from Sequence
<b>UID #</b>	210865	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-001045"/>	<input type="button" value="««"/> App-2024-001048
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0152

Print View



**Instructions:** Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

### Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 21-0-005800 Reason for Inspection ADDITION  
Local regulatory authority info: AITKIN COUNTY P+Z  
Property address: 31959 280 TH ST AITKIN MN 56431  
Owner/representative: HAGMAN ENTERPRISES Owner's phone: 218 838 3345  
Brief system description: 2 - 1860 GALLON SEPTIC TANKS (3720 TOTAL)  
1 - 1350 GALLON PUMP TANK  
DRAINFIELD - 20' x 76 1/2' PRESSURE BED

### System status

System status on date (mm/dd/yyyy): 4-3-24

Compliant – Certificate of compliance\*

Noncompliant – Notice of noncompliance

*(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

*Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.*

**\*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

*An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.*

#### Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – Imminent threat to public health and safety
- Tank integrity (Compliance component #2) – Failing to protect groundwater
- Other Compliance Conditions (Compliance component #3) – Imminent threat to public health and safety
- Other Compliance Conditions (Compliance component #3) – Failing to protect groundwater
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – Failing to protect groundwater
- Soil separation (Compliance component #5) – Failing to protect groundwater
- Operating permit/monitoring plan requirements (Compliance component #4) – Noncompliant - local ordinance applies

#### Comments or recommendations

### Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: LILJENQUIST SEWER + EXC.

Certification number: 287

Inspector signature: Jarry Liljenquist

License number: 127

(This document has been electronically signed)

Phone: 218 820 8886

### Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list):



Property Address: 31959 280TH ST AITKIN  
 Business Name: LILJENQUIST SEWER AND EXC. Date: 4-3-24

**1. Impact on public health – Compliance component #1 of 5**

**Compliance criteria:**

System discharges sewage to the ground surface	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

*Any "yes" answer above indicates the system is an imminent threat to public health and safety.*

Describe verification methods and results:

**Attached supporting documentation:**

- Other: \_\_\_\_\_
- Not applicable

**2. Tank integrity – Compliance component #2 of 5**

**Compliance criteria:**

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

*Any "yes" answer above indicates the system is failing to protect groundwater.*

Describe verification methods and results:

PUMPED TANKS - SEE ATTACH.

**Attached supporting documentation:**

- Empty tank(s) viewed by inspector
- Name of maintenance business: \_\_\_\_\_
- License number of maintenance business: \_\_\_\_\_
- Date of maintenance: \_\_\_\_\_
- Existing tank integrity assessment (Attach)
- Date of maintenance (mm/dd/yyyy): \_\_\_\_\_ (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: \_\_\_\_\_



Property Address: 31959 280TH ST AITKIN  
Business Name: LILJENQUIST SEWER + EXC. Date: 4-3-24

**3. Other compliance conditions – Compliance component #3 of 5**

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes\*  No  Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety?  Yes\*  No  Unknown

*\*Yes to 3a or 3b - System is an imminent threat to public health and safety.*

3c. System is non-protective of ground water for other conditions as determined by inspector?

Yes\*  No

3d. System not abandoned in accordance with Minn. R. 7080.2500?

Yes\*  No

*\*Yes to 3c or 3d - System is failing to protect groundwater.*

Describe verification methods and results:

Attached supporting documentation:  Not applicable

**4. Operating permit and nitrogen BMP\* – Compliance component #4 of 5  Not applicable**

Is the system operated under an Operating Permit?

Yes  No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design?

Yes  No If "yes", B below is required

*BMP = Best Management Practice(s) specified in the system design*

*If the answer to both questions is "no", this section does not need to be completed.*

Compliance criteria:

a. Have the operating permit requirements been met?

Yes  No

b. Is the required nitrogen BMP in place and properly functioning?

Yes  No

*Any "no" answer indicates noncompliance.*

Describe verification methods and results:

Attached supporting documentation:  Operating permit (Attach)



Property Address: 31959 280<sup>TH</sup> ST AITKIN  
 Business Name: LILJENQUIST SEWER + EXC. Date: 4-3-24

**5. Soil separation – Compliance component #5 of 5**

Date of installation 9-14-04  Unknown  
 (mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**Compliance criteria (select one):**

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:  Yes  No\*  
 Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:  Yes  No\*  
 Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.\*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day)  Yes  No\*  
 Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

**Attached supporting documentation:**

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Indicate depths or elevations**

A. Bottom of distribution media	98
B. Periodically saturated soil/bedrock	94
C. System separation	36" +
D. Required compliance separation*	36

\*May be reduced up to 15 percent if allowed by Local Ordinance.

**\*Any "no" answer above indicates the system is failing to protect groundwater.**

Describe verification methods and results:

**Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.**



# Liljenquist Sewer and Excavating

April 4, 2024

Ref: Glen Store

To Whom It May Concern:

Chris Hagman has owned the Glen Store since 2012. The operation is a convenience store along with a restaurant, and in 2018, he added the option of serving alcoholic beverages. The existing septic system was designed for a flow rate of 1,200 gallons per day. The flow rate was based off a seating capacity of 50 seats with 24 gallons per seat.

To get factual numbers and verify that the existing septic is sized appropriately, I spoke with Chris about previous years in business and service provided to customers. The numbers provided by Chris along with MPCA 7081.0130 flow rates are as follows:

Restaurant	Gallons per meal (G/P/M)	Meals per Day (M/P/D)	Total
Meal w/o alcohol	3.5	90	315
Meal with alcohol	8	45	360
Convenience Store	Gallons per day	Customer per day	
Per customer	3.5	100	350
Total= 1025 gpd			



---

The factual numbers show that the existing system size is still adequate for the gallons used per day under the MPCA rule.

I would recommend that the system be monitored for the first 12 months to verify those flow rates. I would recommend doing event counter readings at the pump tank every month for the first 12 months. Record those readings and share the results with Aitkin Planning and Zoning. If recordings exceed design flow rate, corrective measure to be taken.

Sincerely,



Larry Liljenquist

Liljenquist Sewer and Excavating



# ORIGINAL DESIGN FLOW

## FIELD EVALUATION SHEET

Preliminary Evaluation Date 9/3/03 Field Evaluation Date 9/3/03

Property Owner Jon & Annette Beaufeaux Phone (320) 684-2229

Address 31993 280th Street City, State, Zip Aitkin, MN, 56431

Legal Desc NW 1 AC. of LOT 4 & 208' X 208' OF LOT 4 IN B 97 D P 445

PIN # 21-0-005800 Sec 4 Twp 45 Rng 25 Township Name Malmo  
21-0-005900

Fire # ----- Lake/River ----- Lake Class ----- OHWL ----- ft

### Description of Soil Treatment Areas

	Area #1	Area #2
Disturbed Areas	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Compacted Areas	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Flooding	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Run on Potential	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Slope %	<u>-1%</u>	<u>-----</u>
Direction of Slope	<u>E</u>	<u>-----</u>
Landscape Position	<u>upland</u>	<u>-----</u>
Vegetation Types	<u>Pine, Aspen, Maple</u>	<u>-----</u>

Reference BM Elev 100 ft

Reference BM Description

Grade elevation at proposed tank #1 inlet.

Depth (ft) to standing water or mottled soil--Boring 1) 6.75' 1A) 5:5' 2) 7' 2A) -----

Bottom elevation--first trench or bottom of rock bed 1) 97.5 ft 2) ----- ft

Soil sizing factor 1) 1.27 2) -----

Construction Related Issues New construction of store and cafe. Sized for 50 seats. 24 GPD for drainfield sizing and 40 GPD for tank sizing. (50 x 24 = 1200 GPD drainfield,

50 x 40 = 2000 GPD tank) Two 1860 gal. 2-compartment septic tanks & a 1350 gal. pump tank. (1350 gal. tank has a capacity of 1511 gals. as a pump tank.)

License # 392 Site Evaluator Signature Charles J. Virginia

Site Evaluator Name Charles J. Virginia Telephone (218) 927-3619

Lug Review ----- Date -----

Comments  
-----  
-----  
-----

Soil Boring Logs on Reverse Side



# DESIGNER BORINGS

SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES					
1 (PROPOSED) SOILS DATA			2 (PROPOSED) SOILS DATA		
DEPTH (INCHES)	TEXTURE	MUNSELL COLOR	DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
	<u>SOIL PIT</u>			<u>SOIL PIT</u>	
0-5"	Topsoil		0-5"	Topsoil	
5"-28"	Sandy Loam/Rock	10YR5/4	5"-42"	Sandy Loam/Rock	10YR5/4
28"-81"	Sand/Gravel	10YR5/4	42"-84"	Sand/Gravel	10YR5/4
81"-90"	Sandy Clay Loam	10YR5/2	84"-90"	Sandy Clay Loam	10YR5/2
Mottled and water @ 81"			Mottled and water @ 84"		
1 (ALTERNATE) SOILS DATA			2 (ALTERNATE) SOILS DATA		
DEPTH (INCHES)	TEXTURE	MUNSELL COLOR	DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
	<u>SOIL PIT</u>				
0-5"	Topsoil				
5"-31"	Sandy Loam/Rock	10YR5/4			
31"-66"	Sand/Gravel	10YR5/4			
66"-73"	Sandy Clay Loam	10YR5/2			
73"-80"	Clay Loam	10YR5/2			
Mottled and water @ 66"					
ADDITIONAL SOIL BORINGS MAY BE REQUIRED					

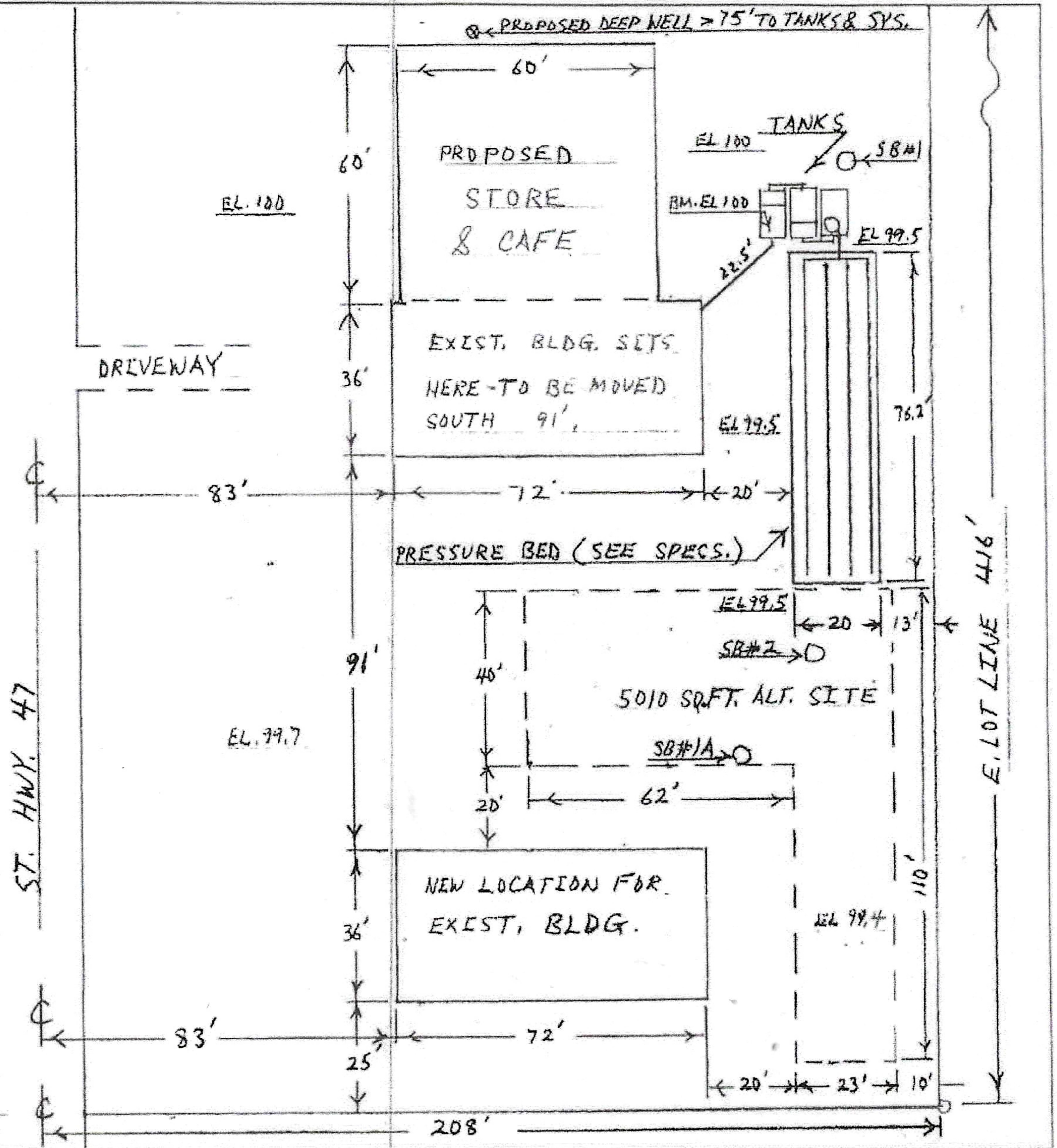


CLIENT: Jon & Annette Beaufeaux (Glen Store)

DATE: Sept. 4, 2003

MAP DRAWN TO SCALE OR DIMENSION WITH A NORTH ARROW

NOTE: South 2/3's of property shown on this sketch. The exist. store, shed, well, and sewer are on north end of lot. All of which will be abandoned.



CHECK OFF LIST--HAVE ALL OF THE FOLLOWING BEEN DRAWN ON THE MAP??

SHOW EXISTING OR PROPOSED

- WATER WELLS WITHIN 100 FT OF TREATMENT AREAS
- PRESSURE WATER LINES WITHIN 10 FT OF TREATMENT AREAS
- STRUCTURES
- ALL SOIL TREATMENT AREAS
- HORIZONTAL AND VERTICAL REFERENCE
- POINT OF SOIL BORINGS
- LOT EASEMENTS
- DISTURBED/ COMPACTED AREAS
- SITE PROTECTION--LATHE AND RIBBON EVERY 15 FT
- ACCESS ROUTE FOR TANK MAINTENANCE
- REQUIRED SETBACKS
- STRUCTURES
- OHWL
- LOT IMPROVEMENTS
- ALL ISTS COMPONENTS
- DIRECTION OF SLOPE
- ALL LOT DIMENSIONS
- PROPERTY LINES

INDICATE ELEVATIONS

BENCHMARK	100
ELEVATION OF SEWER LINE @ HOUSE	98.0
ELEVATION @ TANK INLET (Tank #1)	98
ELEVATION @ BOTTOM OF ROCK LAYER	97.0
ELEVATION @ BOTTOM OF BORING OR RESTRICTIVE LAYER	92.0
ELEVATION OF PUMP	93
ELEVATION OF DISTRIBUTION DEVICE	98.0

REQUIRED SETBACKS

- STRUCTURES
- OHWL
- PROPERTY LINES

COMMENTS:

DESIGNER SIGNATURE Charles Virginia  
 LICENSE# 1392

DATE 9/4/03



**ORIGINAL INSPECTION AITKIN CO.**  
**INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM**  
**AITKIN COUNTY, MINNESOTA**

Township Malina Date of Inspection 9/14/04 Permit Number 31784  
 Owner Jon Beau Feaux Parcel Number 21-0-005800  
 Project Address NW 1A of 1074 Installer J. Jenson  
 City \_\_\_\_\_ Zip Code \_\_\_\_\_ New  Repair \_\_\_\_\_

**SETBACKS:**  
 Buildings to tank(s) 60'  
 Buildings to drainfield 70'  
 Well(s) 50' or 100' \_\_\_\_\_  
 Lake/Creek/Wetland N/A.

**SEPTIC TANKS:**  
 Liquid capacity 2 - 1860 combos  
 Manufacturer & type Jac pre-cast  
 Type of baffle plastic  
 Inspection pipes 2 - 4" - 2" - 6"  
 Manholes access 4  
 No. & height of risers 24"

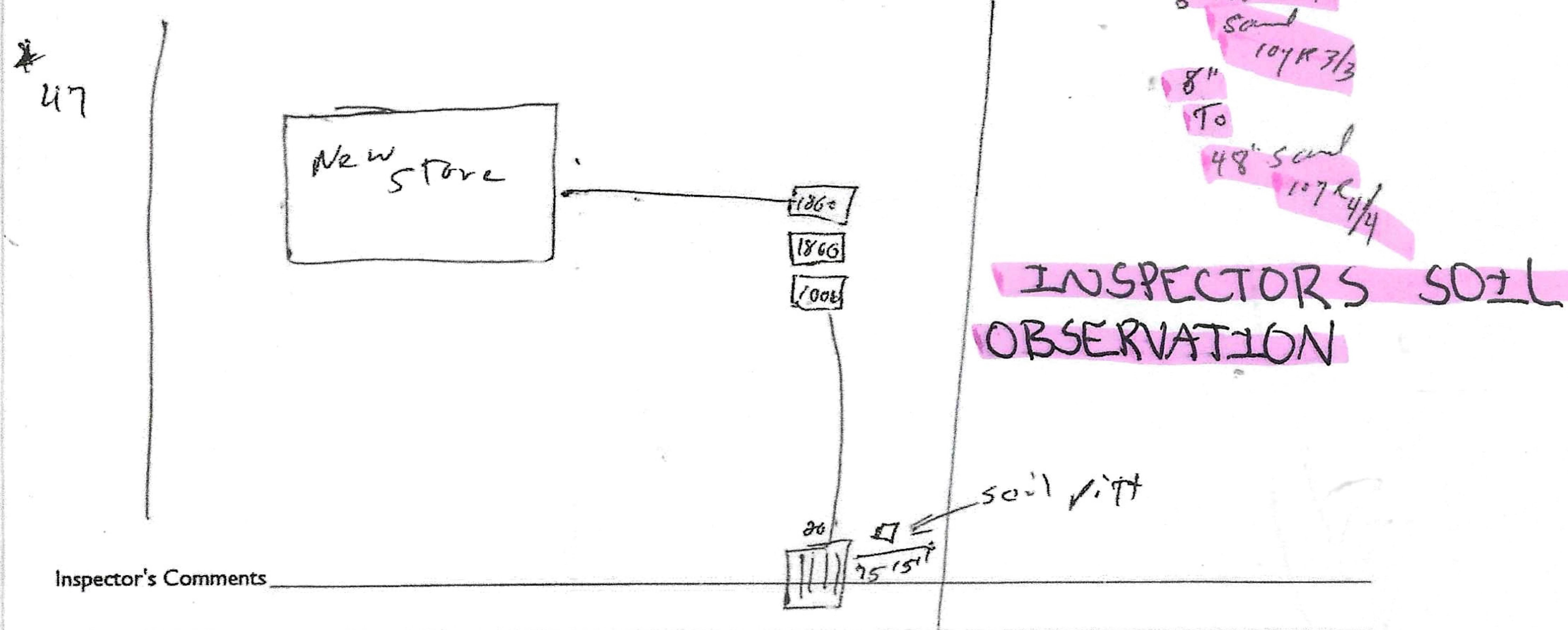
**MOUNDS:**  
 Percent slope \_\_\_\_\_  
 Upslope dike width \_\_\_\_\_  
 Downslope dike width \_\_\_\_\_  
 Sideslope dike width \_\_\_\_\_  
 Drainfield rock below pipe \_\_\_\_\_  
 Depth of sand below rock \_\_\_\_\_  
 Perforation size & spacing \_\_\_\_\_  
 Pipe size & spacing \_\_\_\_\_  
 Dimensions of rock bed \_\_\_\_\_  
 Dimensions of sand base \_\_\_\_\_  
 Final cover \_\_\_\_\_

**DIST. or DROP BOX & TYPE** \_\_\_\_\_

**TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:**  
 Trench depth 12"  
 Trench length 75'  
 Trench bottom width 20  
 Trench bottom level yes  
 Trench spacing \_\_\_\_\_  
 Drainfield rock below pipe 9"  
 Size of gravelless pipe pressure Bed  
 Depth of backfill 6"  
 Absorption area: square feet 1500  
 lineal feet 4 - 1 1/2 - laterals

**PUMPS:**  
 Tank capacity 1000  
 Tank manufacturer & type Jac pre-cast  
 No. & height of risers 24"  
 Pump manufacturer & model# \_\_\_\_\_  
 Horsepower & GPM \_\_\_\_\_  
 Feet of head 22  
 Cycles per day 5  
 Gallons per cycle 100  
 Size of discharge line 2"  
 Type of electrical hookup post  
 Type & location of alarm ELK  
 Cycle counter (commercial) \_\_\_\_\_

**DRAWING OF SYSTEM**



8" Topsoil  
 sand  
 107R 3/3  
 8"  
 To  
 48" sand  
 107R 4/4

**INSPECTOR'S SOIL OBSERVATION**

Inspector's Comments \_\_\_\_\_

Corrective Action Required \_\_\_\_\_

Inspector's Signature [Signature] Installer's Signature \_\_\_\_\_  
 White-County Yellow-Applicant Pink-Installer



AITKIN COUNTY  
CERTIFICATE OF COMPLIANCE/NOTICE OF NONCOMPLIANCE

This certificate of compliance/notice of noncompliance has been issued this \_\_\_\_\_ day of 9/14/04 to certify compliance/noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No.

1. The premises covered by this certificate are legally described as: \_\_\_\_\_

NW 1 Ac of lot 4

Section 4 Township 45 Range 25 Lake WT

PERMIT NO. 31784 Owner Name Joan Braun Beaney

Address 31959 280<sup>th</sup> St. Aitkin, MN 56431

Installer Name Hilgenquist Exc.

Type of System Inspected pressure Bed (20x75)

The certificate of compliance/notice of noncompliance was based on, No 1 of the following:

1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.

2) Review of as-built plans submitted in accordance with Subdivision 4.21 C. Of Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1.

If the above permitted individual sewage treatment system is in noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1, then the following shall serve as a Notice of Violation:

1) Statement of the findings of fact through inspections or investigations: \_\_\_\_\_

2) List of specific violations of Ordinance: \_\_\_\_\_

3) Requirements for correction or removal of violations: \_\_\_\_\_

4) Time schedule for compliance: \_\_\_\_\_

Failure to correct or remove the above violations will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action which may result in revocation of licenses or registrations, fine's and/or imprisonment.

INSPECTOR SIGNATURE [Signature]





Aitkin County Environmental Services – Planning & Zoning

307 2<sup>nd</sup> Street NW, Room 219

Aitkin, MN 56431

(P) (218) 927-7342

(F) (218) 927-4372

(E) aitkinpz@co.aitkin.mn.us

## AUTHORIZATION FORM

I hereby authorize the agent named below to act as my authorized agent for all public hearing applications and land use permits on property located at:

Parcel  
Numbers(s):

21-0-005800

E911 Address  
of Property:

31993 280<sup>th</sup> Str Aitkin

### Authorized Agent Information:

Agent name:

Neil Westerlund

### Property Owner Information:

Owner name:

Chris Hagman

Phone number:

218 838 3345

Email:

Chris-hagman@ yahoo.com

Property Owner  
Signature:

CHM

Date:

4-3-24



# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

## Aitkin County Environmental Services

307 Second St. NW, Room 219, Aitkin, MN 56431

Phone: 218.927.7342 Fax: 218.927.4372

[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

Setback issues for a proposed new structure: **Complete Section 1**

Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**

Setback issues for a septic system: **Complete Section 3**

Land alteration: **Complete Section 4**

Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**

Other: attach separate sheet explaining variance request

## Section 1 – New Structure(s)

Check all that apply and fill in requested information:

Basement

Crawlspace

Walk-out Basement

One Story Level

Story-and-a-Half Level

2<sup>nd</sup> Story Level

Proposed # of Bedrooms \_\_\_\_\_

Proposed Structure Height \_\_\_\_\_ ft.

Existing Total Building Coverage \_\_\_\_\_%

Proposed Total Building Coverage \_\_\_\_\_%

Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) no living quarters

<input type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
<input type="checkbox"/> Property Line	Proposed Setback _____ ft.
<input checked="" type="checkbox"/> Road Right-of way <input checked="" type="checkbox"/> Twp ___ Co. ___ State	Proposed Setback <u>36'</u> ft.
<input type="checkbox"/> Bluff	Proposed Setback _____ ft.
<input type="checkbox"/> Other: _____	Proposed Setback _____ ft.

### Section 2 – Alteration(s) to Existing Nonconforming Structure(s)

Check all that apply and fill in requested information:

#### Existing Structure

Basement / Foundation/slab  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

#### Proposed Addition(s)

Basement Foundation/slab  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height 21 ft.  
 Existing # of Bedrooms —  
 Existing Building Coverage 6.94%  
 Existing Total Impervious Surface Coverage 43.1%

Proposed Addition(s) Height 14 ft.  
 Final # of bedrooms after remodel —  
 Proposed Building Coverage 7.27%  
 Proposed Total Impervious Surface Coverage 43.1%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

14x32 Addition - Dining/sitting Area  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





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ENGINEERED WOOD PRODUCTS

8714 215th Street West, Lakeville, MN 55044  
T 952 469 5900 | F 952 469 6500 | 800 281 5503  
Website: [www.BC.com](http://www.BC.com)  
Email Contact: [MILEWPDept@BC.com](mailto:MILEWPDept@BC.com)

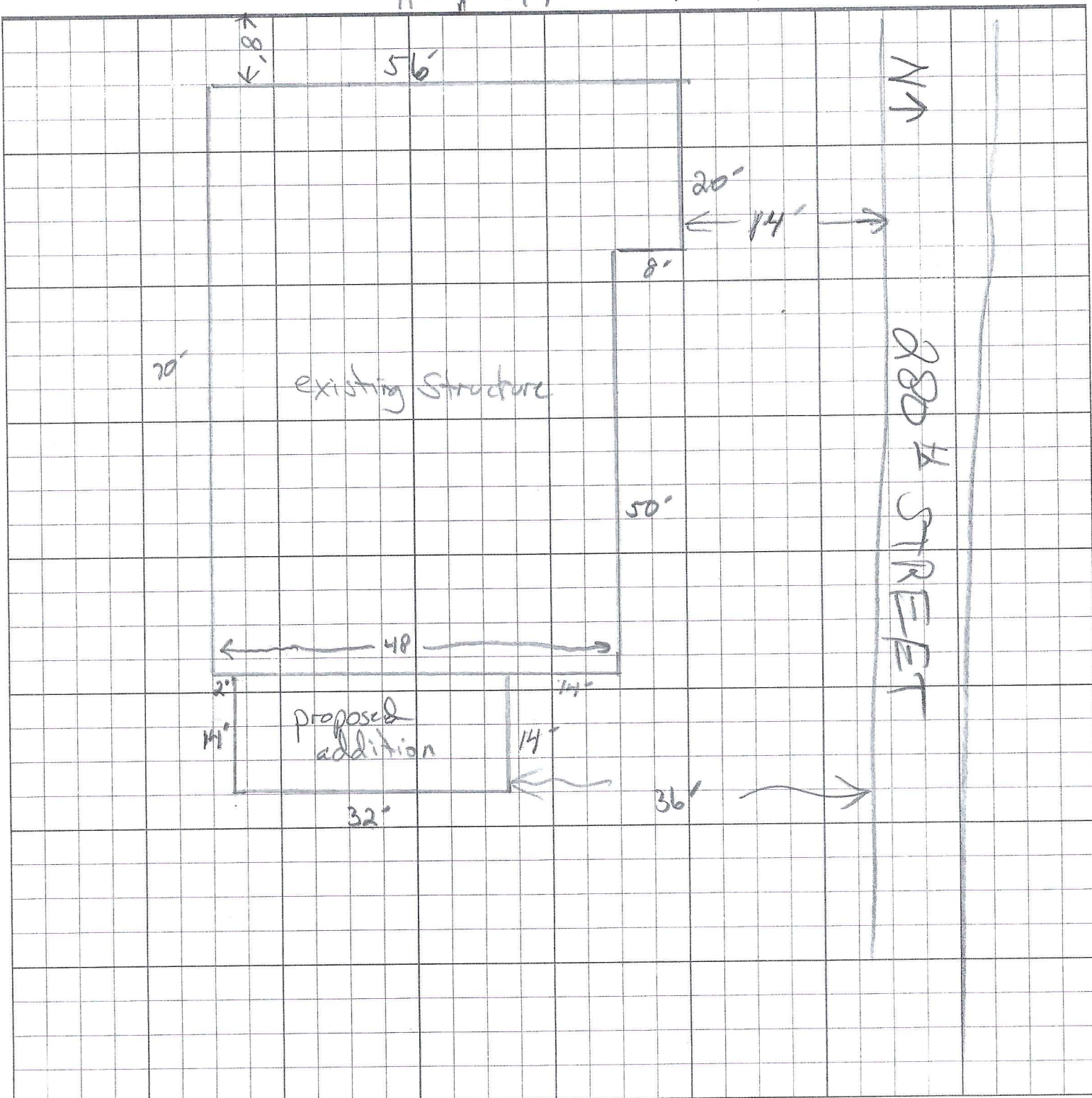
Project Name: Glen store

Location: \_\_\_\_\_ Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Notes \_\_\_\_\_

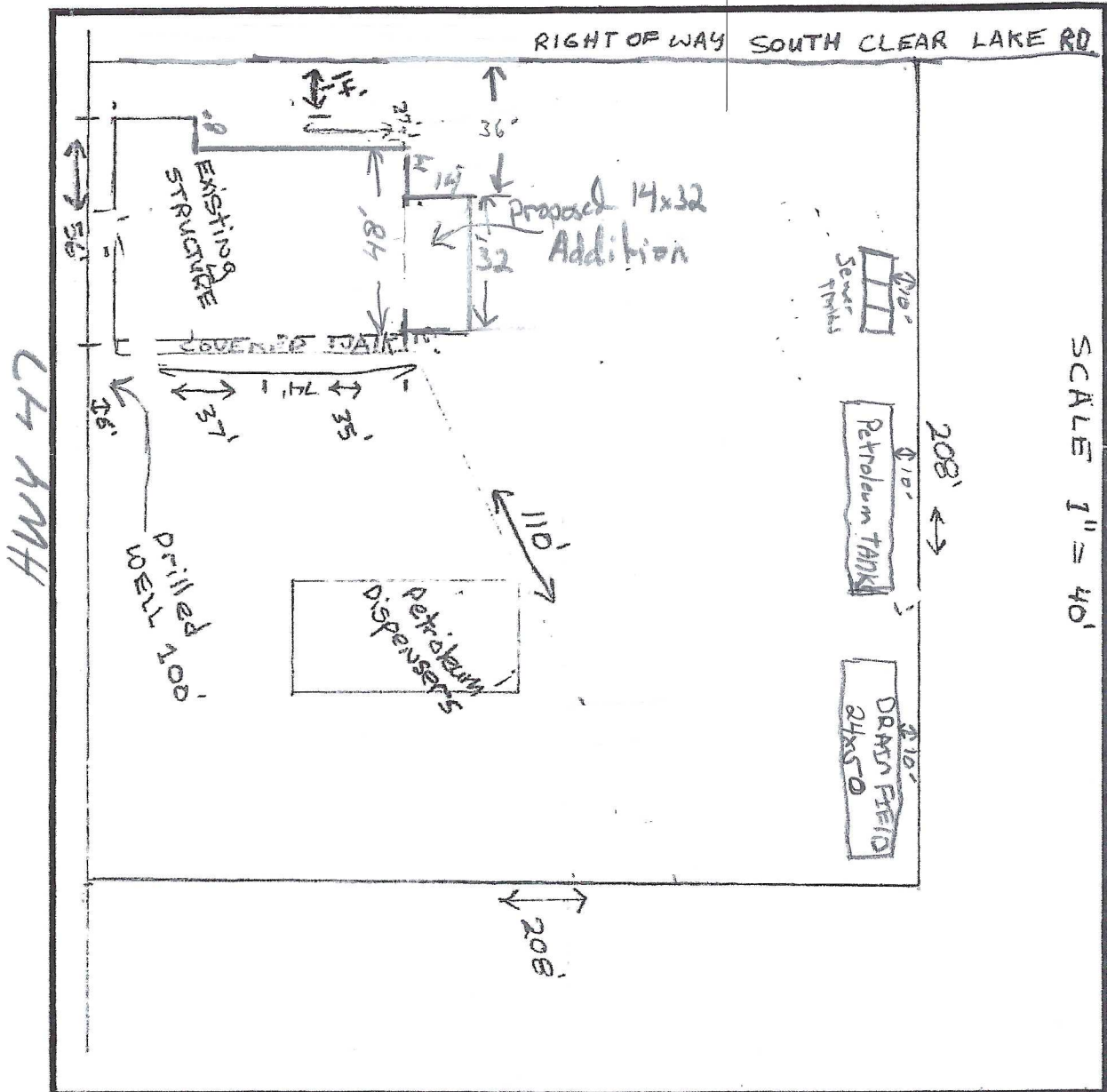
Hwy 17  $\frac{1}{4}'' = 4'$





# AITKIN COUNTY BUILDING PERMIT SITE PLAN

Please indicate the location of: Wells, well setback to system components, buildings, septic system components, reserved septic system area, property lines, waterways, and buried lines. Include size, length, and appropriate distances from fixed reference points. Provide a North directional arrow!







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ENGINEERED WOOD PRODUCTS

8714 215th Street West, Lakeville, MN 55044  
T 952 469 5900 | F 952 469 6500 | 800 281 5503  
Website: [www.BC.com](http://www.BC.com)  
Email Contact: [MILEWPDept@BC.com](mailto:MILEWPDept@BC.com)

Project Name: Glen STORE

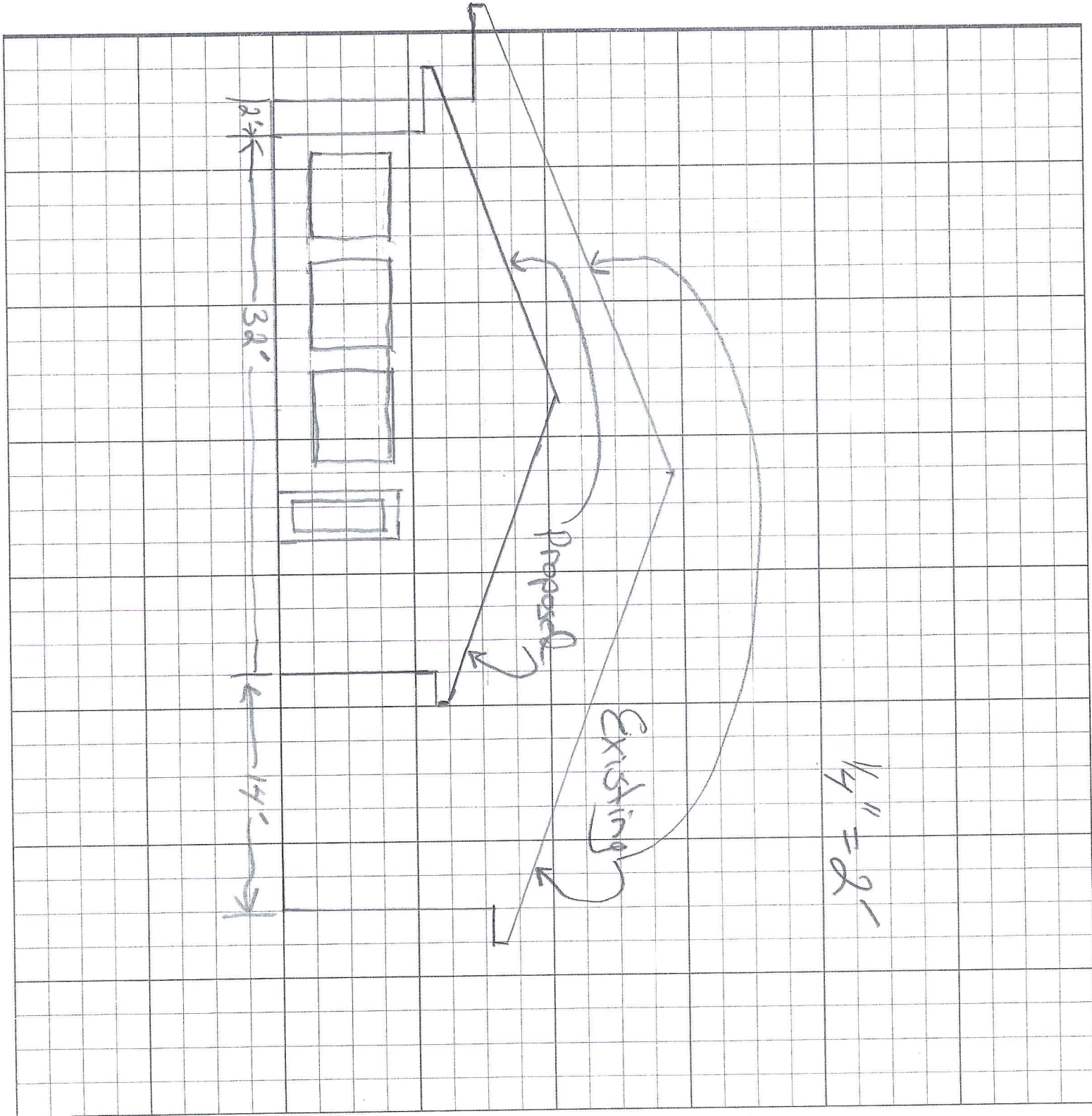
Location: \_\_\_\_\_ Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Notes \_\_\_\_\_

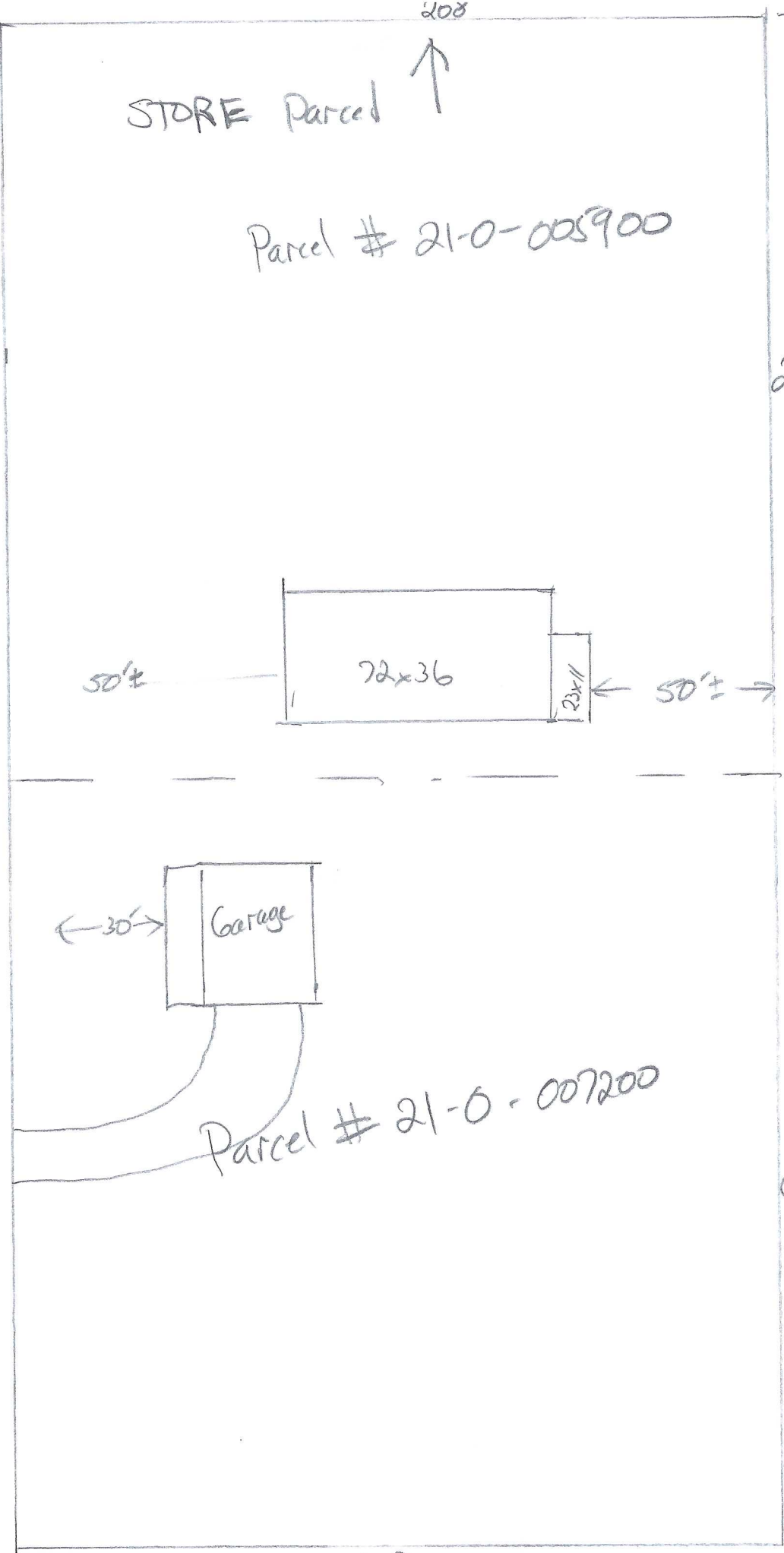
\_\_\_\_\_

\_\_\_\_\_



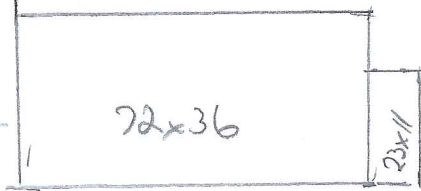


STATZ HWY 47



STORE Parcel ↑

Parcel # 21-0-005900



50'±

50'±

← 30' →

Parcel # 21-0-007200

Garage

208

N ↑

208

Scale  
1" = 40'

208

208



429235 FILED JUN 30 '15 AT 9:11 AM Michael T. Moriarty, County Recorder

NO DELINQUENT TAXES AND TRANSFER ENTERED

This 30 Day June 2015

Kurt Poyser County Auditor  
Elizabeth Harmon Deputy

CERTIFICATE OF REAL ESTATE VALUE ( ) FILED ( ) NOT REQUIRED CERTIFICATE OF REAL ESTATE VALUE NO. 42784

AITKIN COUNTY DEED TAX  
No. 7806 Date 6-30-15  
92.40 Dollars Paid  
Lori Gams County Treasurer  
By: B. K. [Signature] Deputy

(Top 3 inches reserved for recording data)

WARRANTY DEED

Business Entity to Individual(s)

Minnesota Uniform Conveyancing Blanks Form 10.1.7 (2013)

eCRV number: 370291

DEED TAX DUE: \$ 92.40

DATE: June 27, 2015 (month/day/year)

FOR VALUABLE CONSIDERATION, Beaufeaux Enterprises, LLC

(insert name of Grantor)

a limited liability company under the laws of Minnesota ("Grantor"), hereby conveys and warrants to Adam H. Janzen

(insert name of each Grantee)

in Aitkin County, Minnesota, legally described as follows: ("Grantee"), real property

→ See Attached Exhibit A

Check here if all or part of the described real property is Registered (Torrens)

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:

Check applicable box:

- The Seller certifies that the Seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document or has been electronically filed. (If electronically filed, insert WDC number: [redacted])
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

Grantor

Beaufeaux Enterprises, LLC

(name of Grantor)

By: Jon Beaufeaux (signature) Jon Beaufeaux

Its: Chief Manager

(type of authority)

By: Annette Beaufeaux (signature) Annette Beaufeaux

Its: Secretary

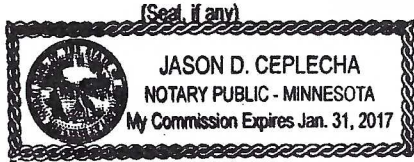
(type of authority)

21-0-007300



State of Minnesota, County of Scott

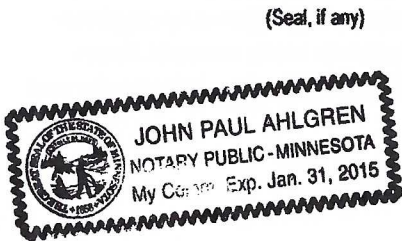
This instrument was acknowledged before me on JUNE 20, 2012, by JON BEAUFEAUX AKA JON G. BEAUFEAUX, HUSBAND OF ANNETTE BEAUFEAUX AKA ANNETTE L. BEAUFEAUX.



[Signature]  
(signature of notarial officer)  
Title (and Rank): Notary  
My commission expires: 1/31/2017  
(month/day/year)

State of Minnesota, County of Kanabe

This instrument was acknowledged before me on June 22, 2012, by ANNETTE BEAUFEAUX AKA ANNETTE L. BEAUFEAUX, WIFE OF JON BEAUFEAUX AKA JON G. BEAUFEAUX.



[Signature]  
(signature of notarial officer)  
Title (and Rank): Notary  
My commission expires: 1-31-15  
(month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:

John P. Ahlgren  
Ahlgren & Bangma, LLC  
One North Lake  
Mora, Minnesota 55051

JPA/sk

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED IN THIS INSTRUMENT SHOULD BE SENT TO:

HAGMAN ENTERPRISES, LLC  
33140 State Hwy 47  
Atkin, MN 56431



EXHIBIT A

→ That part of Government Lot Four (4) of Section Four (4), Township Forty-five (45), Range Twenty-five (25), described as follows: Commencing at the Northwest corner of said Lot 4, thence running South along the West line of said Lot 4 a distance of 417 feet to the point of beginning, thence running East 208.5 feet, thence running South 207 feet, thence running West 208.5 feet, more or less to the West line of said Lot 4, thence running North along the West line of said Lot 4 a distance of 207 feet, more or less, to the point of beginning.

Aitkin County, Minnesota  
(Abstract Property)

*Abstract Co*

*2 / 16.00  
1250.00*

RECORDED  
TRACT INDEX   
GRANTOR \_\_\_\_\_  
GRANTEE \_\_\_\_\_  
COMPARED \_\_\_\_\_

*6-30-9*  
*①*

OFFICE OF COUNTY RECORDER  
AITKIN COUNTY, MN  
 WELL CERTIFICATE RECEIVED  
 WELL CERTIFICATE NOT REQUIRED

COUNTY RECORDER  
AITKIN COUNTY, MINNESOTA  
**FILED**  
JUN 30 2015 9 A M

*As Doc. No. 429235*

429235



412074 FILED JUN 26 '12 AT 9:11 AM Diane M. Lafferty, County Recorder

AITKIN COUNTY DEED TAX

No. 3610 Date 6-26-2012  
1155.00 Dollars Paid

NO DELINQUENT TAXES AND TRANSFER ENTERED

This 26 Day June 2012

Jon Grams  
County Treasurer

Kirk Peyer  
County Auditor  
Elizabeth Harmon  
Deputy

CERTIFICATE OF REAL ESTATE VALUE (  ) FILED ( ) NOT REQUIRED CERTIFICATE OF REAL ESTATE VALUE NO. 40438

By Jodie Hughes Deputy

WARRANTY DEED  
Individual(s) to Business Entity

DEED TAX DUE: \$ ~~1155.00~~ \$1155.00

DATE: June 20, 2012

FOR VALUABLE CONSIDERATION, Jon Beaufeaux aka Jon G. Beaufeaux and Annette Beaufeaux aka Annette L. Beaufeaux, husband and wife, ("Grantor"), hereby conveys and warrants to Hagman Enterprises, LLC, a limited liability company under the laws of Minnesota, ("Grantee"), real property in Aitkin County, Minnesota, legally described as follows:

The Northwest 1 acre of Government Lot Four (4), Section Four (4), Township Forty-five (45), Range Twenty-five (25), Aitkin County, Minnesota, more fully described as follows: Commencing at the northwest corner of said Lot; thence running East 208 feet; thence running South 208 feet; thence running West 208 feet; thence running North 208 feet to the place of beginning. AND

That part of Government Lot Four (4), Section Four (4), Township Forty-five (45), Range Twenty-five (25), Aitkin County, Minnesota, described as follows: Commencing at the northwest corner of said Government Lot 4; thence running South along the west line of said Lot 4 a distance of 208 feet to the place of beginning of tract to be herein conveyed; thence running East at right angles 208 feet; thence South at right angles 208 feet; thence West at right angles 208 feet to the west line of said Lot 4; thence North 208 feet to place of beginning.

Mark if all or part of the described real property is Registered (Torrens) \_\_\_\_\_

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions: Restrictions, reservations and easements of record, if any.

Check applicable box:

- The Seller certifies that the Seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document or has been electronically filed. (If electronically filed, insert WDC number: \_\_\_\_\_)
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

Grantor

Jon G. Beaufeaux  
Jon Beaufeaux aka Jon G. Beaufeaux  
Annette Beaufeaux  
Annette Beaufeaux aka Annette L. Beaufeaux

21-0-005900 21-0-00580



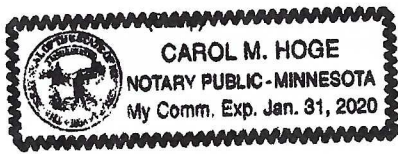
State of Minnesota, County of Aitkin

This instrument was acknowledged before me on June 26, 2015, by \_\_\_\_\_  
(month/day/year) (name of authorized signer)

Jon Beaufeaux as Chief Manager  
(type of authority)

and by Annette Beaufeaux  
(name of authorized signer)

as Secretary of Beaufeaux Enterprises, LLC  
(type of authority) (name of Grantor)



Carol M. Hoge  
(signature of notarial officer)  
Title (and Rank): Notary Public  
My commission expires: 1-31-2020  
(month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:  
(insert name and address)

AITKIN COUNTY ABSTRACT COMPANY  
112 3RD STREET NW  
AITKIN, MN 56431  
#28694

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED IN THIS INSTRUMENT SHOULD BE SENT TO:  
(insert legal name and residential or business address of Grantee)

Adam Janzen  
13905 53rd Ave No  
Plymouth, MN 55446



6/14/08  
Pd 50.00  
Mc

Abstract Co

2000 & 0903

RECORDED \_\_\_\_\_  
TRACT INDEX \_\_\_\_\_  
GRANTOR \_\_\_\_\_  
GRANTEE \_\_\_\_\_  
COMPARED \_\_\_\_\_

6-26-9

1

①

OFFICE OF COUNTY RECORDER  
AITKIN COUNTY, MN  
 WELL CERTIFICATE RECEIVED  
 WELL CERTIFICATE NOT REQUIRED

COUNTY RECORDER  
AITKIN COUNTY, MINNESOTA  
**FILED**

JUN 26 2012 9A M

As Doc. No. *Diana R. Ostby*

412074



**Property Location**

Property:	<b>Property Location</b>			<b>Legal Description</b>			<b>Property Attributes</b>		<b>Owner Information</b>	<b>Tax Payer Information</b>
	<b>Parcel Number</b>	<b>Property Address</b>	<b>Township or City Name</b>	<b>Legal Description</b>	<b>Plat Name</b>	<b>Section-Township-Range</b>	<b>Lake Class</b>	<b>Lake Name</b>	<b>Owner Name(s)</b>	<b>Taxpayer Name(s)</b>
	35-1-076100	48624 384th PI PALISADE, MN 56469	WAUKENABO TWP	LOT 5	AL- GLADO	S:20 T:49 R:26	RD	ROUND LAKE (WAUKENABO TWP)	KINGSLEY, LEE & DEEANN	KINGSLEY, LEE & DEEANN
Driving directions to the proposed project from Aitkin:	From Aitkin, take hwy 169 North 15 miles. Turn left on County Rd 3( Grove Street) continue for 3.4 miles. Turn right on 486th lane continue for .7 mile. Turn left on 384th place continue for 200 ft. Property on the right.									
Is the above parcel located in the Shoreland Zoning District?	<u>Yes</u>									



**Detailed Narrative**

<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>We are applying for a variance from the 100 ft lake setback required by the Aitkin County Shoreland Management Ordinance. We are seeking to build a 3 bedroom 1 1/2 story home with attached garage. The lake side of the building would be 72 ft from the OHW mark. Total footprint of the building would be 2919 sq ft. Total finished, heated sq footage of the house would be 2440 sq ft. Total sq footage of house, garage, and screenporch would be 3669 sq ft.</p> <p>Because of the location of the septic system, we feel this design is needed to keep our main bedroom, bathroom, and laundry on the main floor, which is desired as we age. This will be our retirement home, not a cabin, so we need room for storage and a comfortable living space. We have two adult children who visit on weekends in the summer, so a three bedroom house is necessary. I do a lot of my own mechanic work, so the three car garage is necessary for that, along with additional storage.</p> <p>Our lot is very flat with only about one foot of elevation change across the entire site ( with the exception of the sewer mound). The only portion of the lot that sheds water toward the lake is a twenty foot wide strip running across the lot adjacent to the lake. The remainder of the lot sheds water away from the lake toward a ditch along the township road. There are also a couple areas along the side lot lines that hold a small amount of water during a hard rainfall.</p> <p>We plan to bring in 50-75 yards of fill to raise the building pad 6 - 12".</p> <p>We will construct two or three rain gardens to capture roof runoff on the lake side of the house. They will be constructed per Wisconsin dnr specifications.</p> <p>The erosion control plan includes keeping disturbed areas of the site to a minimum, tapping any soil piles, and installing silt fence as needed.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>Aitkin County Shoreland Management Ordinance Section 5.2</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>



**Supplemental Data**

Attach completed form here:	File 1: <a href="#">1594_001.pdf</a>
-----------------------------	--------------------------------------

**A Scaled Drawing or Survey**

Scaled Drawing or Survey Checklist:	<p><u>Location and dimensions for all lot lines.</u></p> <p><u>Location and dimensions of all existing and proposed structures/additions.</u></p> <p><u>Location and depth of all existing and proposed wells within 100 feet of the property.</u></p> <p><u>Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).</u></p> <p><u>Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.</u></p> <p><u>If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.</u></p> <p><u>Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.</u></p>
Attach a Scaled Drawing or Survey:	File 1: <a href="#">1595_001.pdf</a>

**Side Profile Sketch of the Structure**

Attach a side profile sketch of your proposed structure or addition here (if applicable):	File 1: <a href="#">1596_001.pdf</a>
---	--------------------------------------



### Certificate of Septic Compliance

<p>Please attach a copy of one of the following:</p> <ul style="list-style-type: none"><li>- A current compliance inspection on the existing septic system.</li><li>- A design for a new/replacement septic system.</li></ul>	<p>File 1: <a href="#">35-1-076100-file0001.pdf</a></p>
---	---

### Shoreland Performance Worksheet

<p>Complete the Shoreland Performance Worksheet and attach here:</p>	<p>File 1: <a href="#">1599_001.pdf</a></p>
--	---

### Standard Erosion Control Plan

<p>Attach the completed Standard Erosion Control Plan here:</p>	<p>File 1: <a href="#">1597_001.pdf</a> File 2: <a href="#">1598_001.pdf</a></p>
---	--

### Property Deed

<p>Attach the property deed(s):</p>	<p>File 1: <a href="#">Deed.pdf</a></p>
-------------------------------------	---

### Terms



**General Terms**

The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.

Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.

I acknowledge that by submitting this application, the application and its attachments are public information.

**Invoice #59992 (04/05/2024) Expected Payment Method: Unknown**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 04/05/2024 11:18 AM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 04/05/2024 11:18 AM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
		<b>Total</b>	<b>\$696.00</b>
		<b>Payment 04/05/2024</b>	<b>\$696.00</b>
		<b>Due</b>	<b>\$0.00</b>

**Results** ([Go to top](#))  
 Signature accepted  
 Failed to send [Variance Ready for Action](#) notification to:

**Approvals**

Approval	Signature
----------	-----------



Applicant	online submittal - 04/05/2024 11:18 AM - witnessed by Kim Burton 3388e8eb3211dc656ad74766d82c95ef a50796218b04e876343fc711f0e4c187
#1 Admin	Kim Burton - 04/05/2024 2:14 PM 9f2adc39b48cf6028262613b74c5a620 0e68205367503de18ebfd92dfb0220dc
#2 Board of Adjustment	

Public Notes

Text:	<div style="border: 1px solid black; height: 300px;"></div>
File(s):	<div style="border: 1px dashed black; height: 20px;"></div>

Admin Checklist

This review has been started by:	Kim Burton ▼
Zoning District of project location:	Shoreland ▼
Project located in the floodplain?	No ▼



Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	Yes <input type="button" value="v"/>
Is this an after-the-fact application?	No <input type="button" value="v"/>

Numbers

	Current Number	Next from Sequence
<b>UID #</b>	210643	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-001049"/>	<input type="button" value="««"/> App-2024-001060
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0158

Print View



# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

**Aitkin County Environmental Services**  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

**Section 1 – New Structure(s)** *Existing structures and impervious areas to be removed.*  
Check all that apply and fill in requested information: *removed.*

- Basement
  - Crawlpace
  - Walk-out Basement
  - One Story Level
  - Story-and-a-Half Level
  - 2<sup>nd</sup> Story Level
- Proposed # of Bedrooms 3 Proposed Structure Height 25 ft.  
Existing Total Building Coverage 0 % Proposed Total Building Coverage 14 %  
Existing Total Impervious Surface Coverage 0 % Proposed Total Impervious Surface Coverage 24 %

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):  
Building Coverage 2919 sq. ft.  
Impervious Coverage 1481 concrete drive + sidewalk  
Sewer Mound 570  
4970 sq. ft.



Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) 3 bedroom 1 1/2 story  
home with attached garage

<input checked="" type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <u>72</u> ft.
<input type="checkbox"/> Property Line	Proposed Setback _____ ft.
<input type="checkbox"/> Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
<input type="checkbox"/> Bluff	Proposed Setback _____ ft.
<input type="checkbox"/> Other: _____	Proposed Setback _____ ft.

**Section 2 – Alteration(s) to Existing Nonconforming Structure(s)**

Check all that apply and fill in requested information:

**Existing Structure**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

**Proposed Addition(s)**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height _____ ft.	Proposed Addition(s) Height _____ ft.
Existing # of Bedrooms _____	Final # of bedrooms after remodel _____
Existing Building Coverage _____%	Proposed Building Coverage _____%
Existing Total Impervious Surface Coverage _____%	Proposed Total Impervious Surface Coverage _____%

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
_____ Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

**Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way __ Twp __ Co. __ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

**Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

**Section 5 – Creating Nonconforming Lot(s)**

Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

_____ Property Width	Proposed Property Width _____
_____ Property Area	Proposed Property Area _____
_____ (2) Standard Septic Sites	
_____ Legal Access	









1  
A901

LAKE SIDE PERSPECTIVE

MARCH 15, 2024

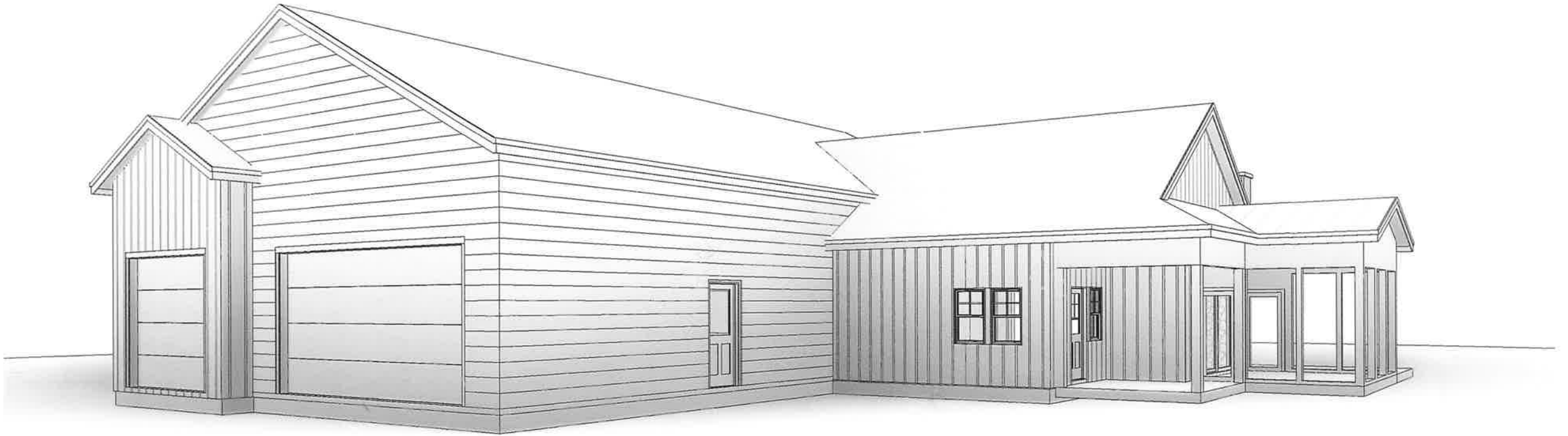
THRESHOLD ARCHITECTURE  
612 - 834 - 3547

THRESHOLD  
ARCHITECTURE

NOT FOR CONSTRUCTION

2702 FILLMORE ST. NE - MINNEAPOLIS, MN 55418  
NICHOLAS@THRESHOLD-ARCHITECTURE.COM





1  
A902

STREET SIDE PERSPECTIVE

MARCH 15, 2024

THRESHOLD ARCHITECTURE  
612 - 834 - 3547

THRESHOLD  
ARCHITECTURE

NOT FOR CONSTRUCTION

2702 FILLMORE ST. NE - MINNEAPOLIS, MN 55418  
NICHOLAS@THRESHOLD-ARCHITECTURE.COM



# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

**Instructions:** Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

### Property information

Local tracking number: \_\_\_\_\_

Parcel ID# or Sec/Twp/Range: 35-1-076100 Reason for Inspection App. for var.  
 Local regulatory authority info: Aitkin county planning and zoning Ph#218-927-7342  
 Property address: 48624 384<sup>th</sup>. Place, Palisade, Mn. 56469  
 Owner/representative: Lee And Deeann Kingsley Owner's phone: \_\_\_\_\_  
 Brief system description: 1350 gallon combo tank that pumps up into a mound.

### System status

System status on date (mm/dd/yyyy): 4/4/2024

**Compliant – Certificate of compliance\***

*(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

**\*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

**Noncompliant – Notice of noncompliance**

*Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.*

*An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.*

#### Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

#### Comments or recommendations

### Certification

*I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.*

**By typing my name below,** I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: Farley sewer systems

Inspector signature: Jarold R. Farley

*(This document has been electronically signed)*

Certification number: C-4744

License number: L-1919

Phone: 218-839-4737

### Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): \_\_\_\_\_



Property Address: 48624 384<sup>th</sup>. Place, Palisade, Mn. 56469

Date: 4/4/2024

Business Name: Farley sewer systems

## 1. Impact on public health – Compliance component #1 of 5

### Compliance criteria:

System discharges sewage to the ground surface	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

*Any "yes" answer above indicates the system is an imminent threat to public health and safety.*

**Describe verification methods and results:**

### Attached supporting documentation:

- Other: \_\_\_\_\_
- Not applicable

## 2. Tank integrity – Compliance component #2 of 5

### Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

*Any "yes" answer above indicates the system is failing to protect groundwater.*

**Describe verification methods and results:**

### Attached supporting documentation:

- Empty tank(s) viewed by inspector
- Name of maintenance business: Kangas Ent.
- License number of maintenance business: L-2526
- Date of maintenance: 4/4/2024
- Existing tank integrity assessment (Attach)
- Date of maintenance (mm/dd/yyyy): \_\_\_\_\_ (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))*
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: \_\_\_\_\_



Property Address: 48624 384<sup>th</sup>. Place, Palisade, Mn. 56469

Business Name: Farley sewer systems

Date: 4/4/2024

### 3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes\*  No  Unknown

3b. Other issues (*electrical hazards, etc.*) to immediately and adversely impact public health or safety?  Yes\*  No  Unknown

*\*Yes to 3a or 3b - System is an imminent threat to public health and safety.*

3c. System is non-protective of ground water for other conditions as determined by inspector?  Yes\*  No

3d. System not abandoned in accordance with Minn. R. 7080.2500?  Yes\*  No

*\*Yes to 3c or 3d - System is failing to protect groundwater.*

**Describe verification methods and results:**

Attached supporting documentation:  Not applicable

### 4. Operating permit and nitrogen BMP\* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit?  Yes  No **If "yes", A below is required**

Is the system required to employ a Nitrogen BMP specified in the system design?  Yes  No **If "yes", B below is required**

*BMP = Best Management Practice(s) specified in the system design*

***If the answer to both questions is "no", this section does not need to be completed.***

**Compliance criteria:**

a. Have the operating permit requirements been met?  Yes  No

b. Is the required nitrogen BMP in place and properly functioning?  Yes  No

***Any "no" answer indicates noncompliance.***

**Describe verification methods and results:**

Attached supporting documentation:  Operating permit (Attach)



Property Address: 48624 384<sup>th</sup>. Place, Palisade, Mn. 56469

Date: 4/4/2024

Business Name: Farley sewer systems

### 5. Soil separation – Compliance component #5 of 5

Date of installation 10/31/1994  Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**Compliance criteria (select one):**

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:  Yes  No\*  
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:  Yes  No\*  
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.\*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day)  Yes  No\*  
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

**Attached supporting documentation:**

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Indicate depths or elevations**

A. Bottom of distribution media	101
B. Periodically saturated soil/bedrock	98.2
C. System separation	32"
D. Required compliance separation*	31.5

\*May be reduced up to 15 percent if allowed by Local Ordinance.

**\*Any "no" answer above indicates the system is failing to protect groundwater.**

**Describe verification methods and results:**

**Upgrade requirements:** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.



# FARLEY SEWER SYSTEMS

SEWER DESIGN & INSTALLATION

JAROLD R. FARLEY

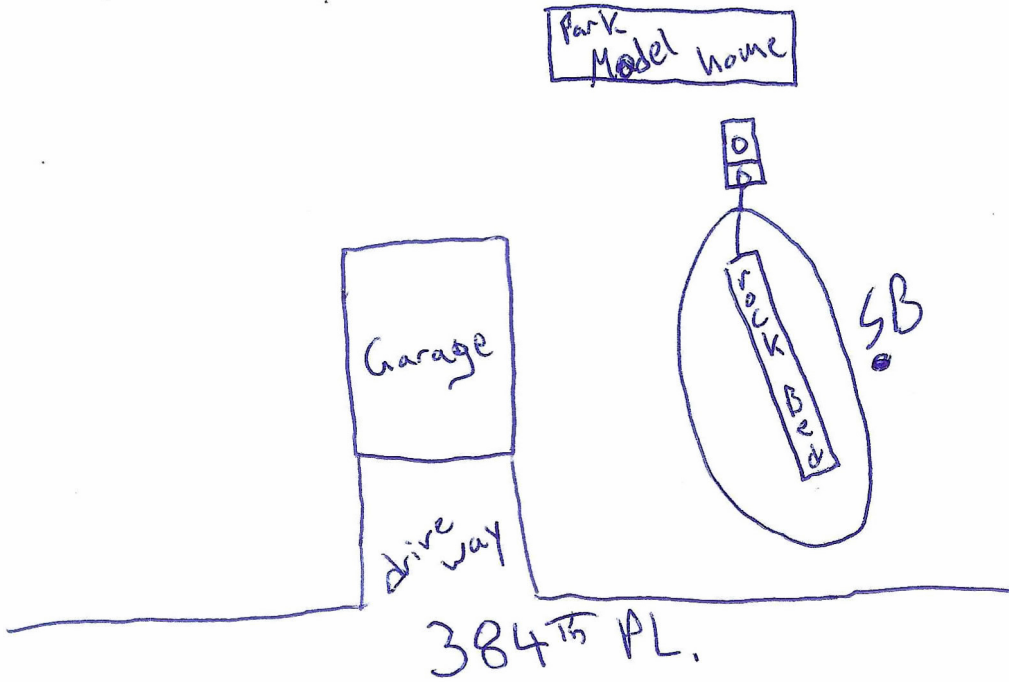
P.O. Box 472  
McGregor, MN 55760

Bus. Lic. No. L1919  
Reg. No. 4744

218-839-4737 cell

Round Lake

x Deep well



## Soil Boring Info:

0-4"	Top soil	10 y R 3/2
4-18"	Fine sandy Loam	10 y R 5/6
	Redox @ 18"	



## AITKIN COUNTY SHORELAND PERFORMANCE (Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

To determine the level of non-conformance and score (See Reference Table):

- |   |                          |
|---|--------------------------|
| 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14).....  | 1: <u>Rec. Dev. Lake</u> |
| 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2).....  | 2: <u>100'</u>           |
| 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought.....                          | 3: <u>72'</u>            |
| 4) Enter the corresponding 'Score Multiplier' .....   | 4: <u>1.00</u>           |
| 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... | 5: <u>72</u>             |

Reference Table: Performance Multipliers for structures, septics, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	(30' setback)	(10' setback)
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		
					3.33	10.000

**Mitigation:** To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:

- |   |           |
|---|-----------|
| A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c)..... | 15 points |
| Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c).....      | 30 points |
| B) Zone B: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                     | 20 points |
| C) Zone C: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                     | 10 points |
| <input checked="" type="checkbox"/> D) Construction of rain garden(s) to Wisconsin DNR Manual specifications.....   | 20 points |
| E) Removal of <u>all</u> other structures that do not meet the standard building setbacks, including water oriented structures.....   | 20 points |
| F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A).....   | 10 points |
| G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed.....  | 10 points |
| H) Re-vegetate bluff or steep slopes* <u>and</u> provide screening of structures from the lake. ....  | 10 points |
| <input checked="" type="checkbox"/> I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary .....  | 10 points |
| ? J) Existing conditions may apply on the property that warrant credit..... To be determined by P&Z   |           |

**Final Score** = Pre-mitigation Lot Score (Line 5) 72 + Mitigation Totals (Lines A-I) 30 = 102

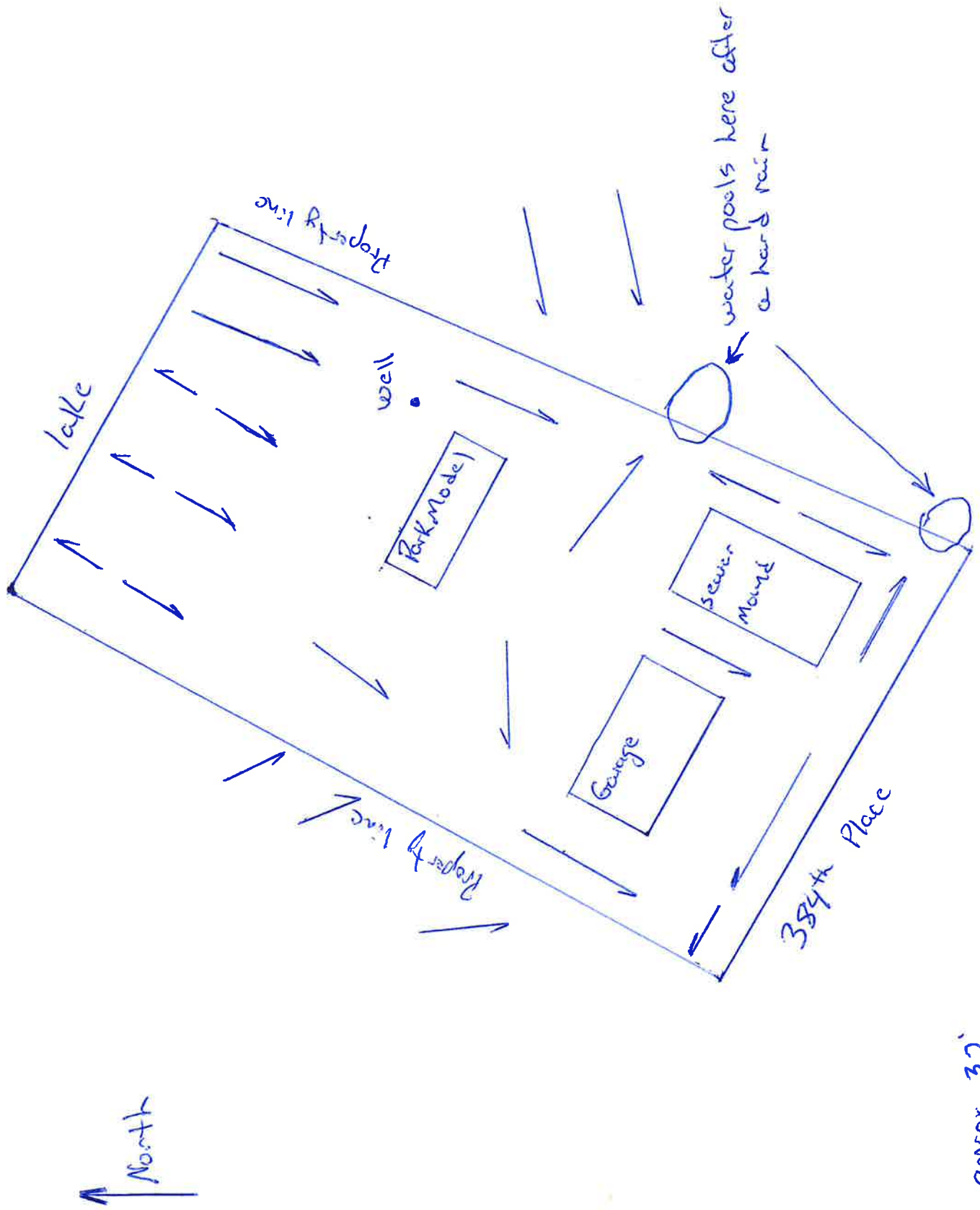
\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years

\_\_\_\_\_  
Board of Adjustment Chairperson

  
Applicant



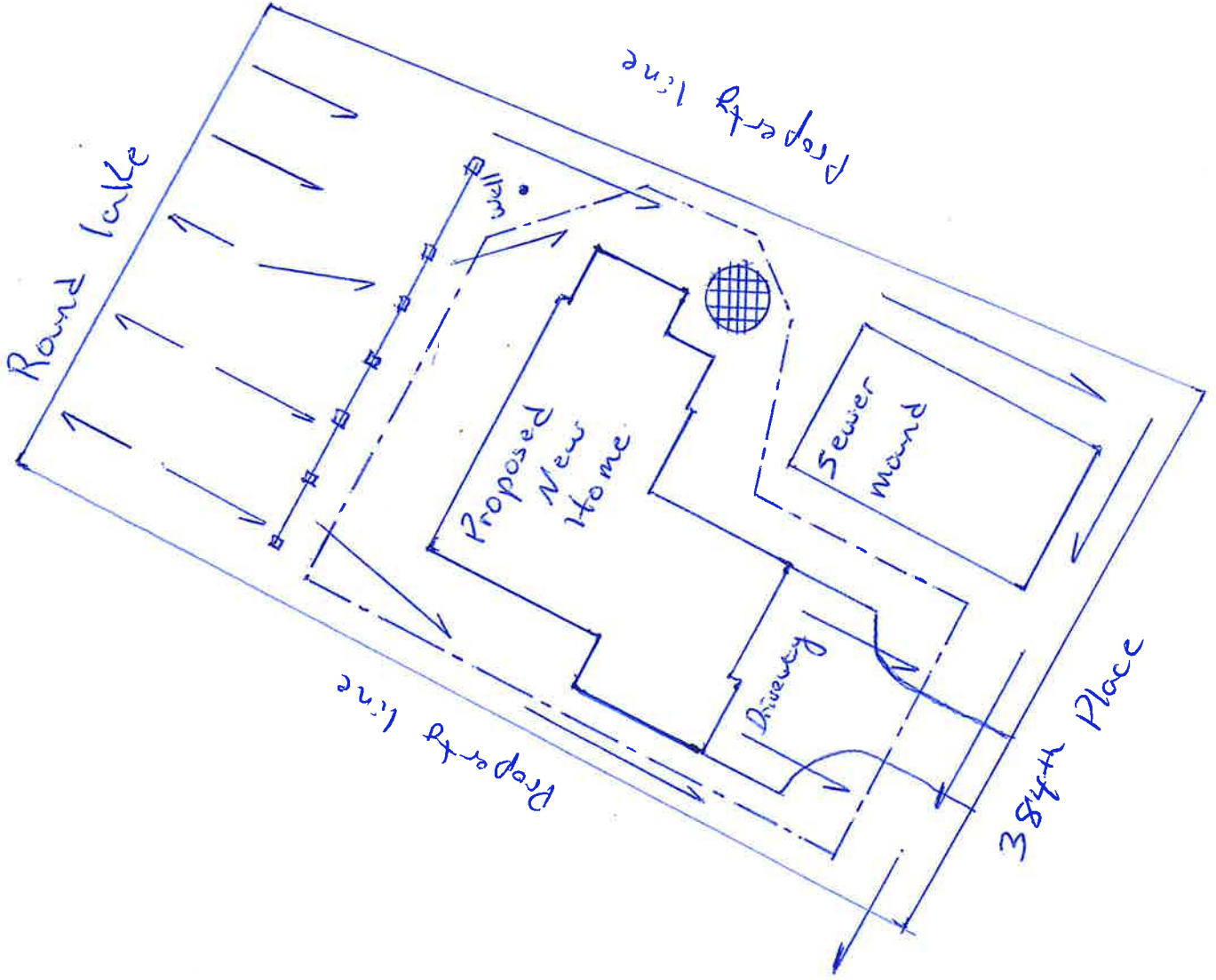
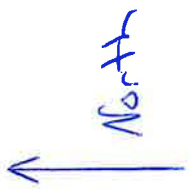
# Existing Drainage



1" = approx 32'



# finished drainage



Silt fence



Limits of Grading



Stackpiled soil



1" = approx 32'



## PART VII: STANDARD EROSION CONTROL PLAN

According to Atkin County's Shoreland Management Ordinance, soil erosion control information needs to be included on the site plan which is submitted and approved prior to the issuance of zoning permits. The Standard Erosion Control Plan is provided to assist in meeting this requirement.

### Instructions:

1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. A cross section sheet is required for walkout basements and excavations into hillsides for determining volume of fill to be excavated.

Project Location 48624 384<sup>th</sup> Place

Builder TBD Owner Lee + DeAnn Kingsley

Worksheet Completed By Lee Kingsley Date \_\_\_\_\_

Amount of earthen material to be excavated and/or used for fill Approx 75 cubic yards.

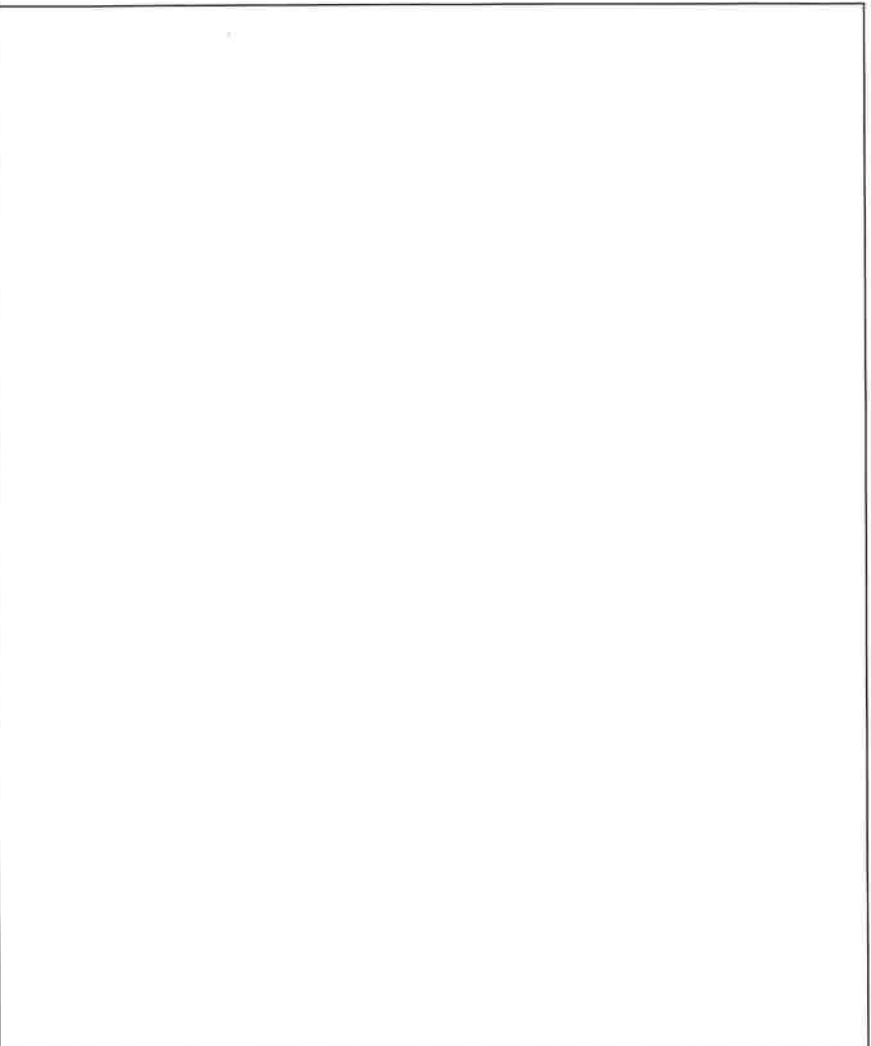
**SITE DIAGRAM** Scale 1 inch = \_\_\_\_\_ feet

Please indicate north by completing the arrow.



### EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
- - - EXISTING DRAINAGE
- - - TD TEMPORARY DIVERSION
- - - FINISHED DRAINAGE
- - - LIMITS OF GRADING
- - ● SILT FENCE
- - ● STRAW BALES
- GRAVEL
- ① VEGETATION SPECIFICATION
- ☼ TREE PRESERVATION
- ⊞ STOCKPILED SOIL





quired  
ent Taxes and Transfer Entered  
County Auditor  
Tax Paid  
County Treasurer

Doc No: **A472734**

WAD

Certified Filed and/or Recorded on  
**8/10/2022 9:37 AM**

REC FEE  
SDT  
WC RCVD  
WC #

Office of the County Recorder  
Aitkin County, Minnesota  
Michael T. Moriarty, County Recorder

Package: **78668** Tara

E-CRV No. **N/A**  
DEED TAX DUE: **\$495.00**  
DATE: **July 22, 2022**

**Form No. 5-M-WARRANTY DEED**  
Individual(s) to Joint Tenants

FOR VALUABLE CONSIDERATION, **Thelma M. Kingsley, a single person**, Grantor, hereby conveys and warrants to **Lee E. Kingsley and DeeAnn L. Kingsley spouses, married to each other** Grantees, as joint tenants, real property in **Aitkin** County, Minnesota, described as follows:

Legal Description attached hereto as Exhibit A and by this reference incorporated herein.

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:

Check box if applicable:

- The Seller certifies that the seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document or has been electronically filed.  
(if electronically filed, Insert WDC number 1063648)
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

**THIS DEED IS TO BE GIVEN PURSUANT TO A CONTRACT FOR DEED DATED OCTOBER 04, 2019, RECORDED OCTOBER 10, 2019, AS DOCUMENT NO. A453642 IN TOTAL CONSIDERATION OF ONE HUNDRED FIFTY THOUSAND DOLLARS AND ZERO CENTS (\$150,000.00).**

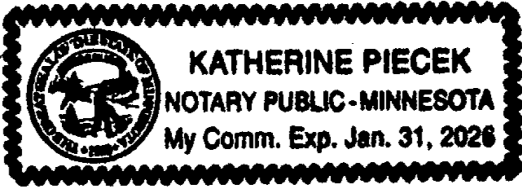


Affix Deed Tax Stamp Here

STATE OF MINNESOTA }  
COUNTY OF Aitkin } SS.  
}

This instrument was acknowledged before me on **July 22, 2022**, by **Thelma M. Kingsley, a single person.**

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK):



*Katherine Piecek*  
SIGNATURE OF NOTARY PUBLIC OR OTHER OFFICIAL

Check here if part or all of the land is Registered (Torrens)

Tax Statements for the real property described in this instrument should be sent to (include name and address of Grantee):

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

**First American Title Insurance Company**  
**130 Northeast Third Avenue**  
**Grand Rapids, MN 55744**  
**1617544**

**Lee Kingsley and DeeAnn Kingsley**  
**809 Clover Springs Ct**  
**Delano, MN 55328**

1617544

**First American Title**  
**Insurance Company**



**EXHIBIT 'A'**

Lot Five (5) of "Al-Glado", Aitkin County, Minnesota.

**NOTE:** This property is Abstract



Property Location

Property Location			Legal Description			Property Attributes		Owner Information	Tax Payer Information
Parcel Number	Property Address	Township or City Name	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name	Owner Name(s)	Taxpayer Name(s)
11-0-064601		HAZELTON TWP	2.70 AC OF LOT 7 &.24 AC OF SW SE IN DOC 432225		S:29 T:45 R:27	RD	BIG PINE - HAZELTON - BACK LOT	SCOTT BECK CONSTRUCTION INC	SCOTT BECK CONSTRUCTION INC
11-1-082801		HAZELTON TWP	LOT 11 LESS W 26 FT	WILDWOOD	S:29 T:45 R:27	RD	BIG PINE LAKE (Hazelton)	SCOTT BECK CONSTRUCTION INC	SCOTT BECK CONSTRUCTION INC
11-1-082900	44370 232ND LANE AITKIN MN 56431	HAZELTON TWP	LOT 12	WILDWOOD	S:29 T:45 R:27	RD	BIG PINE LAKE (Hazelton)	SCOTT BECK CONSTRUCTION INC	SCOTT BECK CONSTRUCTION INC
11-1-083001		HAZELTON TWP	LOT 13 LESS E 32 FT	WILDWOOD	S:29 T:45 R:27	RD	BIG PINE LAKE (Hazelton)	SCOTT BECK CONSTRUCTION INC	SCOTT BECK CONSTRUCTION INC

Property:

Driving directions to the proposed project from Aitkin:  
 Take MN-210 W to US-169 S in Morrison Township  
 10 min (8.0 mi)  
  
 Head west on 415th Ln toward 290th PI  
 0.5 mi  
  
 Turn left onto 290th PI  
 0.5 mi



	<p>Turn right onto MN-210 W 7.0 mi</p> <p>Follow US-169 S to 435th Ave in Hazelton Township 25 min (21.9 mi)</p> <p>Turn left onto US-169 S</p> <p>8.0 mi</p> <p>Turn left onto US-169 S/Minnesota Ave N Continue to follow US-169 S 1.2 mi At the traffic circle, continue straight to stay on US-169 S 12.7 mi Take 230th Ln to 232nd Ln</p>
<p>Is the above parcel located in the Shoreland Zoning District?</p>	<p><u>Yes</u></p>



**Detailed Narrative**

<p>Enter a Detailed Narrative (If you have a prepared narrative please state "See attached" and attach the document below):</p>	<p>We are reapplying because we have shorten the deck and will be present for the board. Eric was having Chemotherapy treatment during last application in Texas. We feel with cancer treatment Eric will be going through it is imperative that he can get outside with no obstacles. Still being able to enjoy family gatherings and the lake while being covered from sun too. A sense of normalcy.</p> <p>We also feel less damage will be done to our ground with a deck vs concrete slab. Slabs shift and move with Minnesota winters and will eventually crack. A deck we can remove a window and put in a door. Everything is on one level to get outside without stairs.</p> <p>We would like to add a 15ft x 59ft deck on lakeside of home, with a sliding glass door from home to deck for easy access for disabled. The purpose of this request is to be able to have enjoy the outdoors with no struggles.</p> <p>We are asking for the panel to reconsider. Our last application We asked for 20ft x 59ft... now shorting to 15ft. We bought this property not only to be close to Eric's parents that live at, 23400 450th Ave (across the lake from us). His family has lived on Big Pine Lake since 1900's. But to start our own homestead for our future generations.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>5.2 or 5.3</p>
<p>Are you requesting a variance to a road right-of-way setback in one of these Townships? Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner</p>	<p><u>No</u></p>

**Supplemental Data**

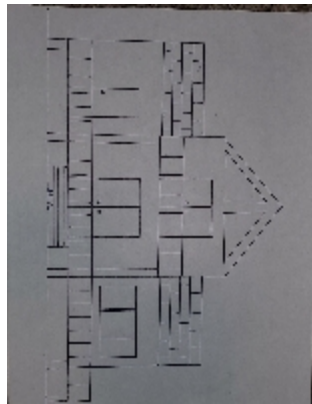
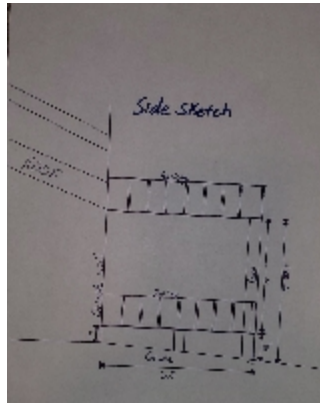
<p>Attach completed form here:</p>	<p>File 1:  <a href="#">supplemental-data_2.pdf</a></p>
------------------------------------	--



### A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<u>Location and dimensions for all lot lines.</u>
Attach a Scaled Drawing or Survey:	File 1: <a href="#">20240403_AITKIN_COUNTY_BUILDING_PERMIT_SITE_PLAN.pdf</a>

### Side Profile Sketch of the Structure

Attach a side profile sketch of your proposed structure or addition here (if applicable):	 <p>File 1: <a href="#">side_front_view.jpg</a></p>  <p>File 2: <a href="#">side_view.jpg</a></p>
---	--



### Certificate of Septic Compliance

Please attach a copy of one of the following:

- A current compliance inspection on the existing septic system.
- A design for a new/replacement septic system.

File 1:  [Septic](#)

### Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [shoreland-performance\\_1.pdf](#)



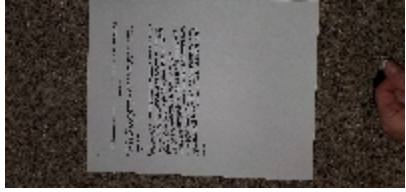
### Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

File 1:  [4382\\_001.pdf](#)



**Property Deed**

<p>Attach the property deed(s):</p>	<div style="border: 1px dashed black; padding: 10px;"><p>File 1: <a href="#">20240102_232524.jpg</a></p><p>File 2: <a href="#">20240102_232536_1.jpg</a></p><p>File 3: <a href="#">20240102_232545.jpg</a></p></div>
-------------------------------------	--

**Other**

<p>Attach "Other" information (if necessary):</p>	<div style="border: 1px dashed black; padding: 10px;"><p>File 1: <a href="#">11-1-082900_01.pdf</a></p><p>File 2: <a href="#">11-1-082900_02.pdf</a></p><p>File 3: <a href="#">11-1-082900_03.pdf</a></p><p>File 4: <a href="#">11-1-082900.2.pdf</a></p><p>File 5: <a href="#">11-1-082900.pdf</a></p></div>
<p>Other Information (if necessary):</p>	<p>Built in 1926. The middle section of our home is original and have had additions added to it as time has passed.</p>



**Terms**

**General Terms**

The landowner or authorized agent hereby certifies that to the best of their knowledge the application and supporting documents are a factual representation of the proposed project. The landowner or authorized agent agrees that, in making application, the landowner grants permission to Aitkin County, at reasonable times, to enter the property to determine compliance of the application with applicable Local, County or State Ordinances or Statutes. It is the applicant's responsibility to contact other Local, County or State agencies to ensure the applicant has complied with all relevant Local, County or State Ordinances or Statutes.

Submittal of the above materials does not always constitute a complete application. Other information may be necessary to complete the application based on the type of request and onsite inspection.

I acknowledge that by submitting this application, the application and its attachments are public information.

**Invoice #60190 (04/05/2024) Expected Payment Method: Pay Online - Card or ECheck**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 04/03/2024 1:12 PM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 04/03/2024 1:12 PM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
			<b>Total</b>
			<b>\$696.00</b>
			<b>Payment 04/05/2024</b>
			<b>\$696.00</b>
			<b>Due</b>
			<b>\$0.00</b>

**Results** ([Go to top](#))  
 Signature accepted  
 Failed to send [Variance Ready for Action](#) notification to:

**Approvals**



Approval	Signature
Applicant	Heather Beck - 04/05/2024 3:22 PM f03da5ed40cc97639cc1b0ff8dd5bb66 eaacfd03e680b18215d8266e914c7f58
#1 Admin	Kim Burton - 04/08/2024 1:39 PM 7ab279fcff46b731425027e90779c1bd 160780f162e76525c2b4a1b0e874c193
#2 Board of Adjustment	

Public Notes

Text:	Septic permit attached below
File(s):	File 1: 1726_001.pdf <a href="#">1726_001.pdf</a>

Admin Checklist

This review has been started by:	Kim Burton <input type="button" value="v"/>
----------------------------------	---



Zoning District of project location:	Shoreland <input type="button" value="v"/>
Project located in the floodplain?	No <input type="button" value="v"/>
Is the parcel a Lot of Record before 1-21-92 or have alternate sites been identified?	Yes <input type="button" value="v"/>
Is this an after-the-fact application?	No <input type="button" value="v"/>

Numbers

	Current Number	Next from Sequence
<b>UID #</b>	210871	<i>not applicable</i>
<b>App. #</b>	<input type="text" value="App-2024-001061"/>	<input type="button" value="««"/> App-2024-001070
<b>Permit #</b>	<input type="text"/>	<input type="button" value="««"/> 2024-0159

Print View



# PART I: SUPPLEMENTAL DATA TO VARIANCE APPLICATION

Aitkin County Environmental Services  
307 Second St. NW, Room 219, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

**Note:** Place an "X" by each item below that applies to your variance request. Then, fill out **only** the applicable following section(s) that apply, as directed. **If a section does not apply to your request, leave it blank.**

**What is the reason(s) for applying for the variance? Place an "X" by each applicable item.**

- Setback issues for a proposed new structure: **Complete Section 1**
- Setback issues for an alteration to an existing nonconforming structure: **Complete Section 2**
- Setback issues for a septic system: **Complete Section 3**
- Land alteration: **Complete Section 4**
- Creating a lot not in conformance with the minimum Ordinance standards: **Complete Section 5**
- Other: attach separate sheet explaining variance request

## **Section 1 – New Structure(s)**

Check all that apply and fill in requested information:

- Basement
- Crawlspace
- Walk-out Basement
- One Story Level
- Story-and-a-Half Level
- 2<sup>nd</sup> Story Level

Proposed # of Bedrooms \_\_\_\_\_ Proposed Structure Height \_\_\_\_\_ ft.  
Existing Total Building Coverage \_\_\_\_\_% Proposed Total Building Coverage \_\_\_\_\_%  
Existing Total Impervious Surface Coverage \_\_\_\_\_% Proposed Total Impervious Surface Coverage \_\_\_\_\_%

*"Building Coverage" means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to's, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*"Impervious surface coverage" means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

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Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Structure Type (indicate with or without living quarters) \_\_\_\_\_

_____ Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
_____ Property Line	Proposed Setback _____ ft.
_____ Road Right-of way ___ Twp ___ Co. ___ State	Proposed Setback _____ ft.
_____ Bluff	Proposed Setback _____ ft.
_____ Other: _____	Proposed Setback _____ ft.

## **Section 2 – Alteration(s) to Existing Nonconforming Structure(s)**

Check all that apply and fill in requested information:

### **Existing Structure**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

### **Proposed Addition(s)**

Basement  
 Crawlspace  
 Walk-out Basement  
 One Story Level  
 Story-and-a-Half Level  
 2<sup>nd</sup> Story Level

Existing Structure Height \_\_\_\_\_ ft.

Proposed Addition(s) Height 10 ft.

Existing # of Bedrooms \_\_\_\_\_

Final # of bedrooms after remodel \_\_\_\_\_

Existing Building Coverage 5 %

Proposed Building Coverage 10 %

Existing Total Impervious Surface Coverage 14.36 %

Proposed Total Impervious Surface Coverage 14.36 %

*“Building Coverage” means the ground surface covered by any building or appurtenance, including, but not limited to, decks, platforms, overhangs and projections therefrom, outdoor furnaces, fishhouses, sheds, carports, lean-to’s, or any similar building. –as per the Aitkin County Shoreland Management Ordinance.*

*“Impervious surface coverage” means any structure, facility or surface that sheds water including structures and facilities, sewage treatment system absorption areas (equal to 190 sq.ft./bedroom), retaining walls, and roadway surfaces and parking areas. Impervious surface does not include eaves of two feet and less. – Per the Aitkin Count Shoreland Management Ordinance.*

Itemized square footage of proposed structure(s):

Lower deck that spans across back of home, is total 868 sqft

Upper deck is a total of 315 sqft



Check the item(s) from which you are requesting a variance and fill in the proposed setback distance. \* Setbacks are measured to the nearest point on a structure which can be the eave overhang or an attached deck/platform.

Proposed Alteration Type \_\_\_\_\_

<input checked="" type="checkbox"/> Ordinary High Water Level (OHWL)	Existing Setback <u>103</u> ft.	Proposed Setback <u>89</u> ft.
<input type="checkbox"/> Property Line	Existing Setback _____ ft.	Proposed Setback _____ ft.
<input type="checkbox"/> Road Right-of way ___ Twp ___ Co. ___ State	Existing Setback _____ ft.	Proposed Setback _____ ft.
<input type="checkbox"/> Bluff	Existing Setback _____ ft.	Proposed Setback _____ ft.
<input type="checkbox"/> Other: _____	Existing Setback _____ ft.	Proposed Setback _____ ft.

### **Section 3 – Septic System**

Check the item(s) from which you are requesting a variance and fill in the proposed setback distance.

<input type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback _____ ft.
<input type="checkbox"/> Property Line	Proposed Setback _____ ft.
<input type="checkbox"/> Road Right-of way ___ Twp ___ Co. ___ State	Proposed Setback _____ ft.
<input type="checkbox"/> Bluff	Proposed Setback _____ ft.
<input type="checkbox"/> Other: _____	Proposed Setback _____ ft.

### **Section 4 – Land Alteration**

What is your land alteration? Check all categories that apply and indicate the total amount of excavation or placement of fill.

<input type="checkbox"/> More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
<input type="checkbox"/> Other: _____	Total Cubic Yds. _____

### **Section 5 – Creating Nonconforming Lot(s)**

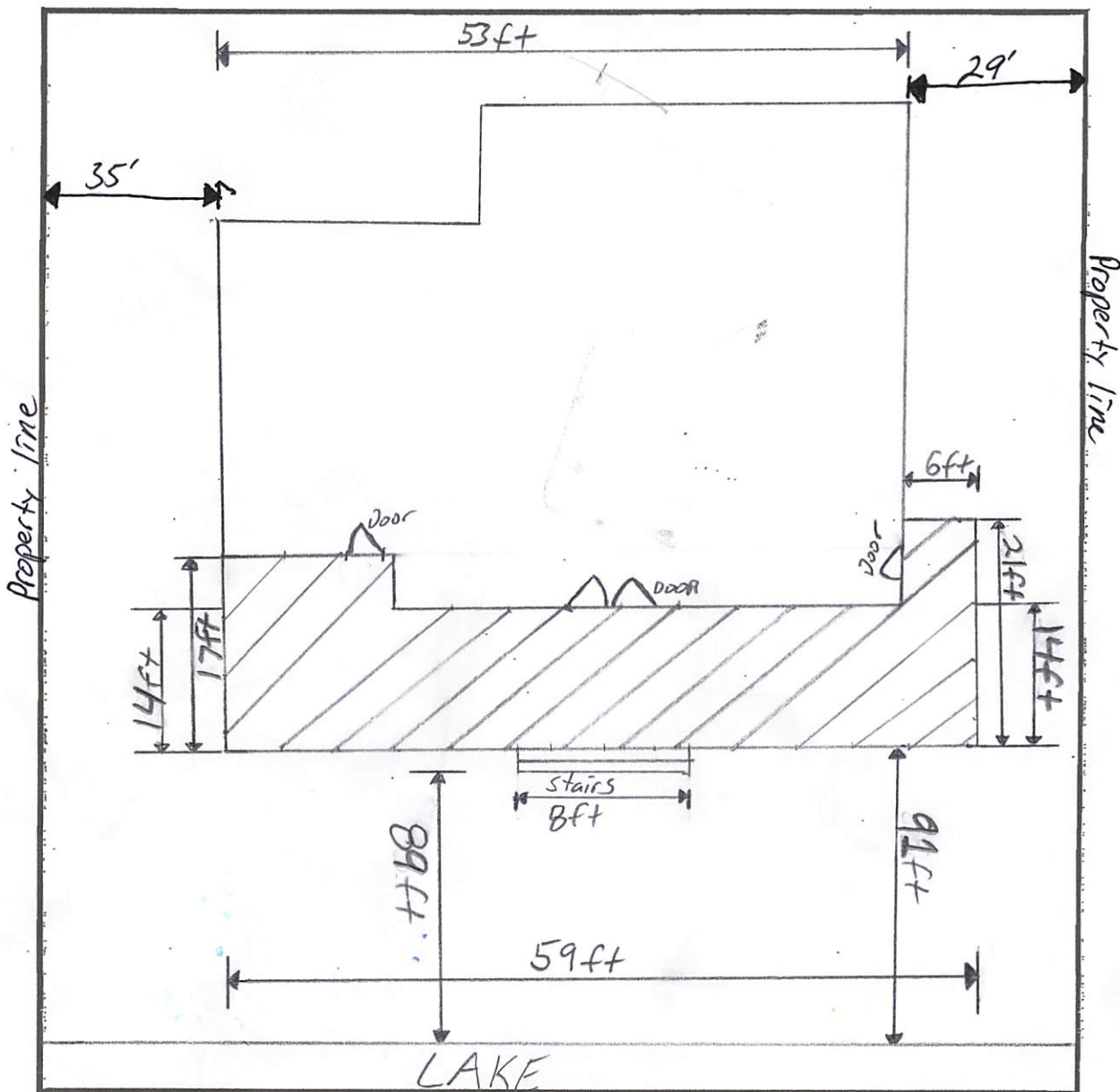
Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

<input type="checkbox"/> Property Width	Proposed Property Width _____
<input type="checkbox"/> Property Area	Proposed Property Area _____
<input type="checkbox"/> (2) Standard Septic Sites	
<input type="checkbox"/> Legal Access	

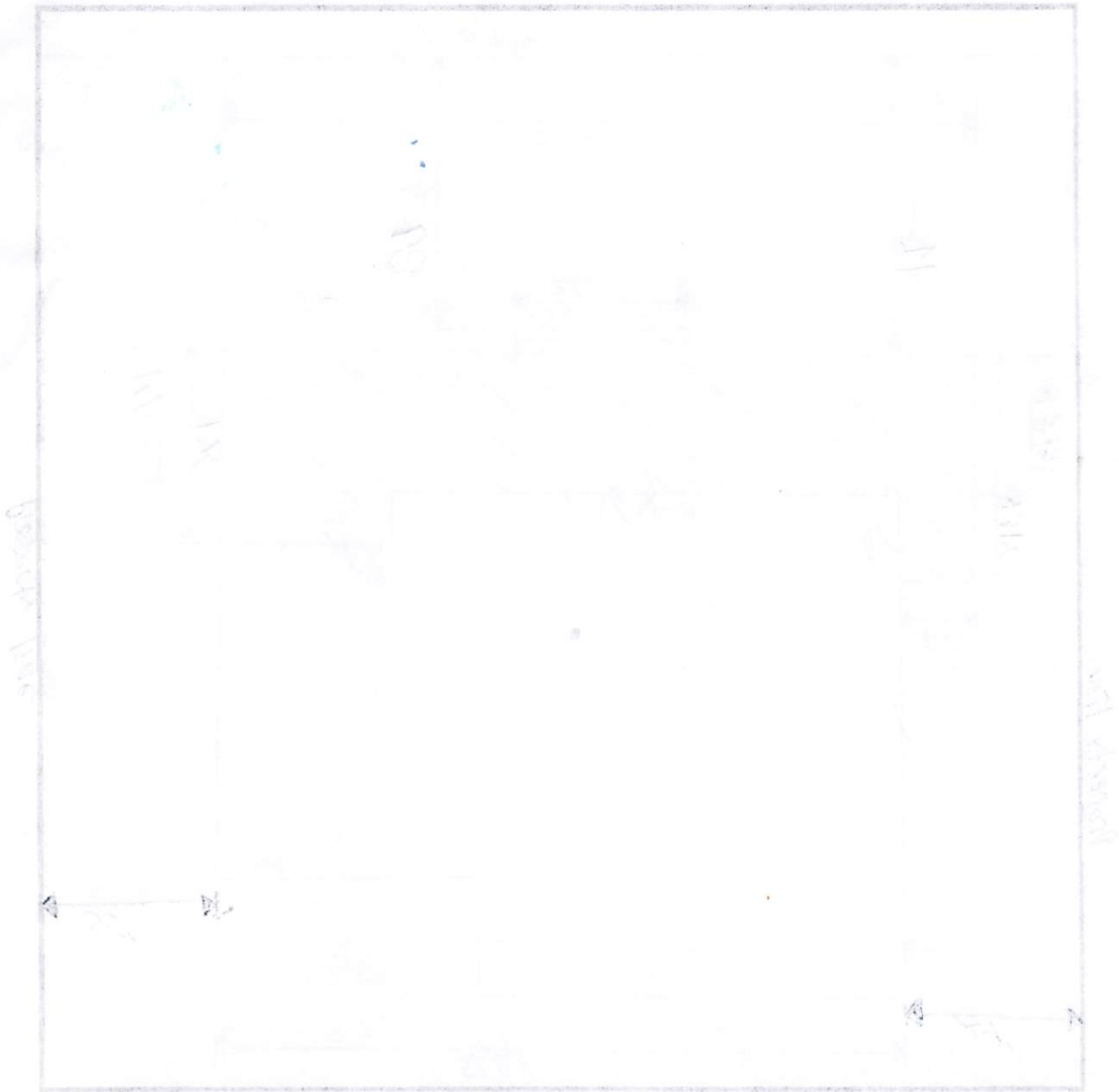


# AITKIN COUNTY BUILDING PERMIT SITE PLAN

Please indicate the location of: Wells, well setback to system components, buildings, septic system components, reserved septic system area, property lines, waterways, and buried lines. Include size, length, and appropriate distances from fixed reference points. Provide a North directional arrow!







Notes: Provide a north directional arrow.  
Detailed notes include size, length, and approximate distances from fixed references  
such as adjacent components, existing curb, adjacent area, property lines, easements, and  
Please indicate the location of wells, well casings, or adjacent components, buildings.

# BUILDING PERMIT SITE PLAN AITKIN COUNTY



# AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

307 Second Street NW, Room 219  
Aitkin, Minnesota 56431

PH: (218) 927-7342  
FX: (218) 927-4372



## **PART VI: VARIANCE APPLICATION**

### **“Aitkin County Shoreland Performance” Worksheet** **Instructions:**

**Are you applying for a variance from the Aitkin County Shoreland Management Ordinance?** If so, you must complete the “Aitkin County Shoreland Performance” sheet. This is used as an attempt to evaluate your property and project as it relates to the required setbacks and the intent of the Ordinance to protect water quality, habitat and aesthetics. Your project will receive a ranking/score that relates to a “percentage” of compliance with the Department of Natural Resources guidelines and Aitkin County Ordinances.

**STEP 1:** Determine the level of non-conformance and score by completing 1-5 on the worksheet. The actual setback will be multiplied by the corresponding ‘score multiplier’ to determine your “Pre-mitigation Lot Score”.

**STEP 2:** Review the mitigation options and circle those that you would be willing to implement as a condition of your variance. See letters A-J.

\*As a note, if you will be creating a buffer zone or other landscape project as part of your mitigation plan, please be prepared to present an approved plan to the Board of Adjustment. Although not familiar with specifics of the “Aitkin County Shoreland Performance” worksheet, the Aitkin County Soil & Water Conservation District [SWCD] (218-927-7284) and the University of Minnesota Extension Master Gardeners (218-927-2538) may be resources that would be able to provide you with planting suggestions and landscaping ideas.

**STEP 3:** A final score is determined by adding your “Pre-mitigation Lot Score” with your “Mitigation Total”. *Please note, the property should obtain a score of 100 or more to meet performance standard requirements.*

After a practical difficulty has been determined, the Board of Adjustment may use the “Aitkin County Shoreland Performance” sheet submitted with your application and/or use their own completed sheet to attempt to mitigate impacts to the water-body and/or adjoining properties.

If you have any questions, please contact Aitkin County Environmental Services – Planning & Zoning at (218) 927-7342.



# AITKIN COUNTY SHORELAND PERFORMANCE

(Structure Placement Guidance)

A property should obtain a score of 100 or more to meet performance standard requirements. A conforming lot is assigned a score of 100. A lot is deemed conforming when the structure meets the required setbacks to the protected water as specified in the Aitkin County Shoreland Management Ordinance (SMO). A structure that fails to meet this definition is considered non-conforming.

*To determine the level of non-conformance and score (See Reference Table):*

- |   |                 |
|---|-----------------|
| 1) Determine the DNR classification of the protected water on the lot (SMO-4.13 & 4.14) .....   | 1: <u>RO</u>    |
| 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) .....   | 2: <u>100</u>   |
| 3) Determine the "Actual Setback" of the structure by measuring the closest part of the structure to the protected water, bluff, right-of-way, property line, etc. for which a variance is sought.....                          | 3: <u>89</u>    |
| 4) Enter the corresponding 'Score Multiplier' .....   | 4: <u>1.000</u> |
| 5) Pre-mitigation 'Lot Score': Determine the percentage of the encroachment as it relates to the standard setback by multiplying the Actual Setback with the 'Score Multiplier' (Note: round to the nearest whole number) ..... | 5: <u>89</u>    |

Reference Table: Performance Multipliers for structures, septics, bluff, and sidelots in Aitkin County.

Protected Waters Type <i>(DNR Classification; SMO 4.13-4.14)</i>	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff	Score Multiplier Sidelot
General Development Lake	75'	1.333	75'	1.333	3.33  <small>(30' setback)</small>	10.000  <small>(10' setback)</small>
Recreational Development Lake	100'	1.000	75'	1.333		
Natural Environment Lake	150'	0.667	150'	0.667		
Mississippi River	150'	0.667	125'	0.800		
Tributary Stream	100'	1.000	75'	1.333		
Forested Stream	150'	0.667	100'	1.000		
Remote Stream	200'	0.500	150'	0.667		

**Mitigation:** *To bring a non-conforming structure to a score of 100 the landowner conducts and maintains one or more of the below listed mitigating activities:*

- |   |                                    |
|---|------------------------------------|
| A) Zone A(1): Plant and/or maintain a 12.5' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c)..... | <b>15 points</b>                   |
| Zone A(2): Plant and/or maintain a 25' wide natural vegetated buffer zone adjacent to the OHW and record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* Water access as defined in the Shoreland Management Ordinance is allowed (Section 5.31.B.2.c).....      | <b>30 points</b>                   |
| B) Zone B: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone A landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                     | <b>20 points</b>                   |
| C) Zone C: Plant and/or maintain an <u>additional</u> 12.5' wide natural vegetated buffer zone between Zone B landward. Record deed restrictions to maintain vegetation in its natural state, prohibit mowing or vegetation removal.* A ten-foot (10') access path is allowed. ....                                     | <b>10 points</b>                   |
| D) Construction of rain garden(s) to Wisconsin DNR Manual specifications.....   | <b>20 points</b>                   |
| E) Removal of <u>all</u> other structures that do not meet the standard building setbacks, including water oriented structures.....   | <b>20 points</b>                   |
| F) Removal of impervious surfaces to at least half ordinance limits (SMO 5.52.A) .....  | <b>10 points</b>                   |
| G) Removal of fill all placed in historic wetlands and guarantee of no future wetland fill recorded on deed .....   | <b>10 points</b>                   |
| H) Re-vegetate bluff or steep slopes* <u>and</u> provide screening of structures from the lake. ....  | <b>10 points</b>                   |
| I) Diversion of all water runoff from impervious surfaces away from the lake into retention ponds, subsurface drains, wetlands, etc. with no outlet to the lake or tributary .....  | <b>10 points</b>                   |
| J) Existing conditions may apply on the property that warrant credit.....   | <i>To be determined by P&amp;Z</i> |

**Final Score =** Pre-mitigation Lot Score (Line 5) 89 + Mitigation Totals (Lines A-I) 30 = 119

*\*Note: Plant materials for vegetative buffers shall be native to northern Minnesota. For every 5,000 square feet of buffer area, there shall be a minimum of four types of trees, six types of shrubs, seven forbs, and three grasses planted to achieve a one plant per square foot minimum coverage. Survival of all plants must be guaranteed for a minimum of 5 years*

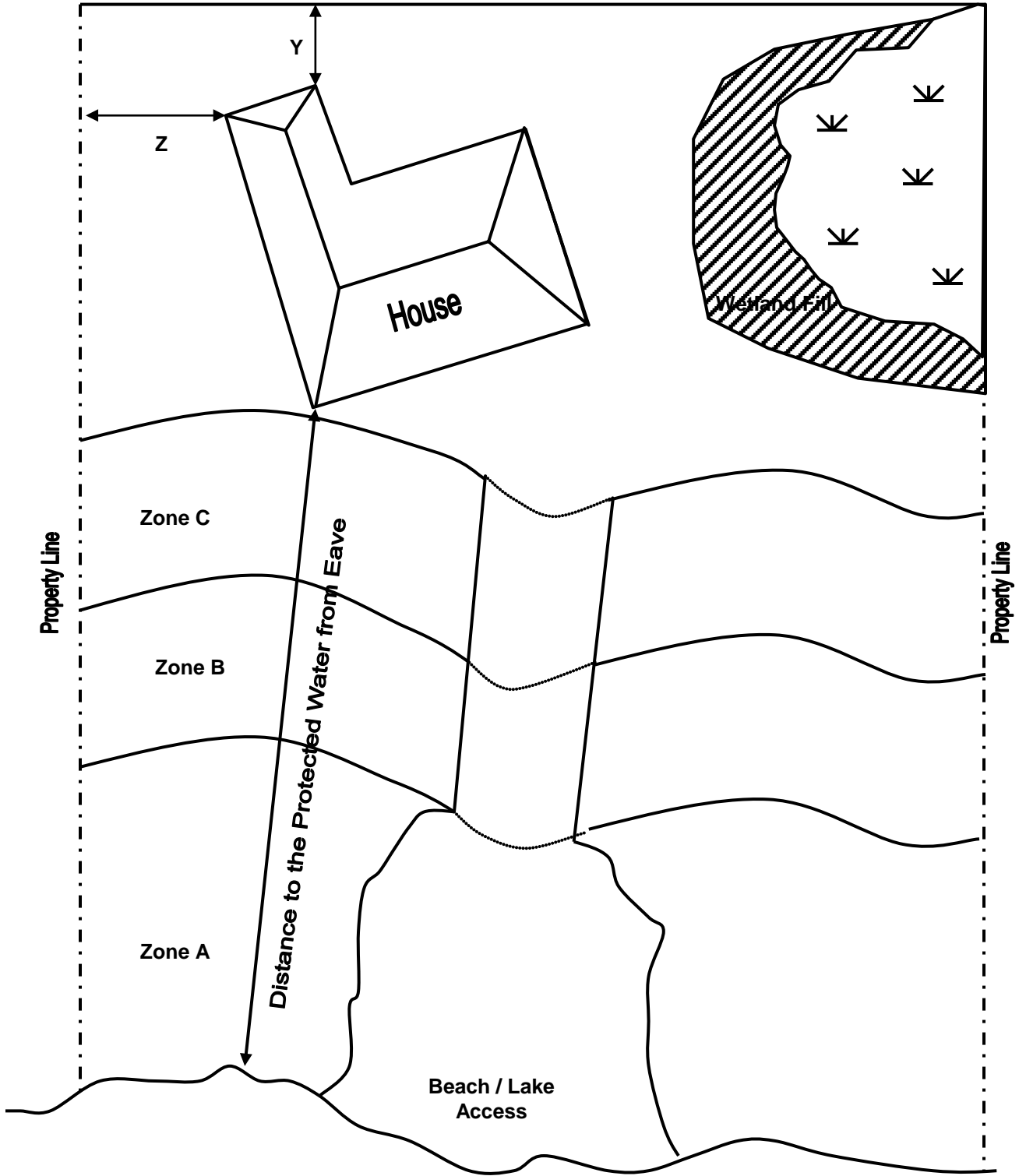
  
Applicant

\_\_\_\_\_  
Board of Adjustment Chairperson



AITKIN COUNTY SHORELAND PERFORMANCE  
(Example)

Road right-of-way (ROW)



Recreational Development Lake (RD)



# PART VII: STANDARD EROSION CONTROL PLAN

According to Aitkin County's Shoreland Management Ordinance, soil erosion control information needs to be included on the site plan which is submitted and approved prior to the issuance of zoning permits. The Standard Erosion Control Plan is provided to assist in meeting this requirement.

**Instructions:**

1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. A cross section sheet is required for walkout basements and excavations into hillsides for determining volume of fill to be excavated.

Project Location 44370 232 Lane

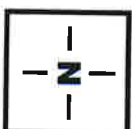
Builder owner Owner Deather Berk

Worksheet Completed By Deather Berk Date 1-2-83

Amount of earthen material to be excavated and/or used for fill 0 cubic yards.

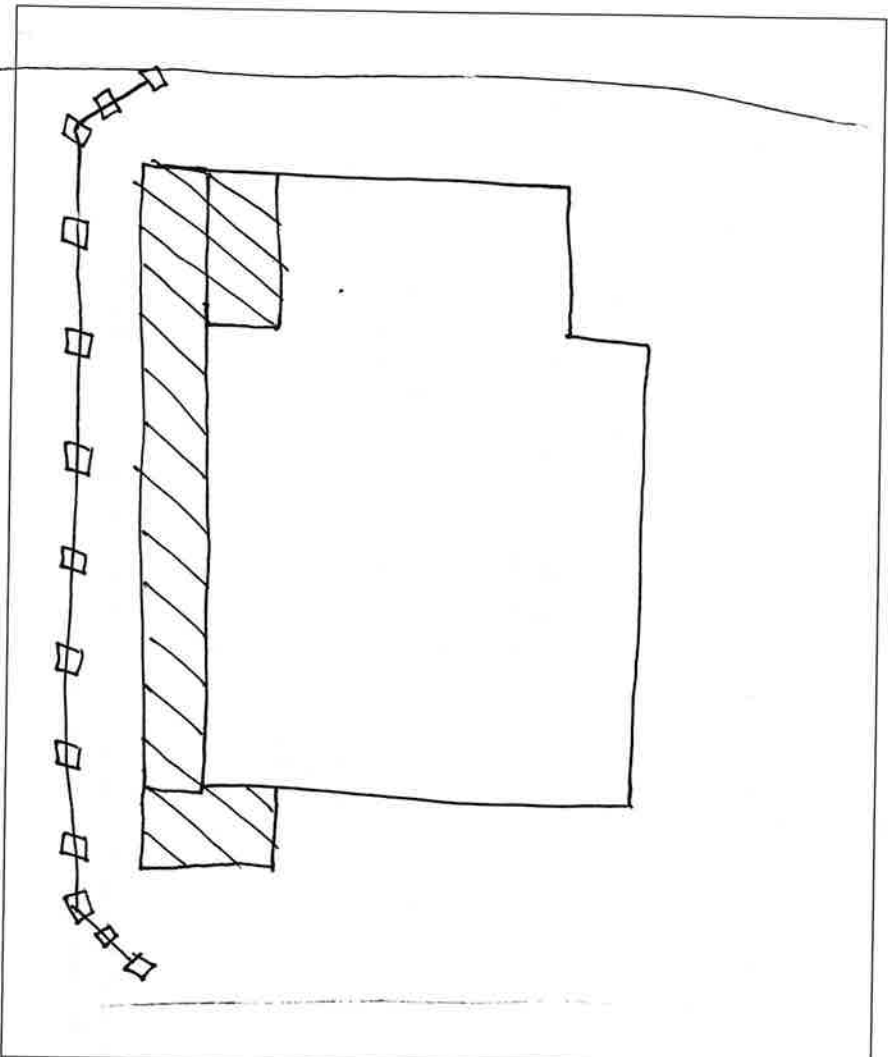
**SITE DIAGRAM** Scale 1 inch = 70 feet

Please indicate north by completing the arrow.



**EROSION CONTROL PLAN LEGEND**

- PROPERTY LINE
- EXISTING DRAINAGE
- TEMPORARY DIVERSION
- FINISHED DRAINAGE
- LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- GRAVEL
- VEGETATION SPECIFICATION
- TREE PRESERVATION
- STOCKPILED SOIL













LAND TYPE	No. Ac.	Per Ac.	98 Value	Per Ac.	2000 Value	Per Ac.	02 Value	Per Ac.	04 Value	Per Ac.	05 Value	Per Ac.	2009 Value	Per Ac.	Value	Per Ac.	Value	Per Ac.	Value	Parcels Owned
Bldg. Site			5000		10000		10000		10000		15000		20000							644-1
Open																				646-1
Wooded																				828-1
Low Woods																				829
Lowland																				830-1
Frontage	60		11800	225	17500	500	30000	33	44000	93	45022		81900							
Roads																				
<b>TOTAL</b>							40000		54000		60022		161900							Wildwood 12

PETE + BARBARA CAPISTRANT I-1  
 22848 170th ST  
 Big Lake, MN 55309  
 Robert J., Jr. + Patricia A  
 Davidson  
 44370 232nd Lane  
 9114 Glen Edin Lane  
 Brooklyn Park, MN  
~~Hickin 44370 232nd Lane 55448~~

Lot Size X NOTES	YEAR	MARKET VALUE lake # 1-157				Home stead	ASSESSED VALUE 44370 - 232nd LN.														
		Estimated Value Land	Estimated Value Bldgs.	TOTAL	House Garage 1 Acre		FARM		RESIDENTIAL		Seasonal Rec.	Seasonal Com Rec	Comc.	Timber Land	TOTAL						
							Y	N													
122'						11-1-082900															
						211-006-082900															
60 60																					
725 x 115 833.75 1902 750.38		98	16800	53400	70200																
	C	99	18500	72800 <del>58200</del>	91300																
		2000	23500	104100	127600																
	C	00	25900	104100	130000																
	C	01	32400	130100	162500																
		02	40000	120400	160400																
	C	02	40600	132400	172400																
	C	03	54000	132400	186400																
	C	04	54000	145600	199600																
		05	60000	145600	205600						151-0										
		06	60000	167400	227400																
		07	90600	160800	251400																
		08	101900	160800	262700																
		10	89300	144700	234000																
		11	89300	143900	233200																

SALES			Building Permits	
Date	Amount	Inst.	Date	Purpose
2-04	362900	WD		

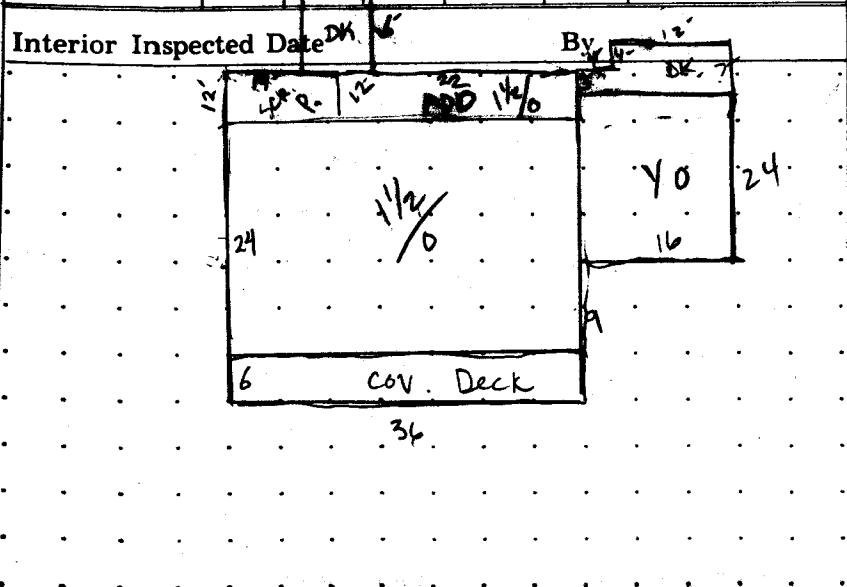
3-21-99 MC (Robert here) KL  
 10-26-99 TB Not here KL  
 7-31-01 LT " " R/A  
 10-30-06 MD a/A. Not Here.  
 2-14-08 LT - P. Big Crp H. - see parcel 11-064601



1512 #

STRUCTURE	Year Built	Color	Cond.	Foundation	Const.	Size	Area	98 Rate Value	99 Rate Value	2000 Rate Value	02 Rate Value	07 Rate Value	Value	Rate Value	Rate Value
Residence															
Porch or Deck															
Fireplace															
Tar Driveway					✓					1000	1000				
Garage															
Boat House					✓	8x18	144	<u>Gone</u>							
Deck by Lake					✓	12x16	192	1" 192	2" 384	384	2	384			-DK4
Shed Pole	98	Grey	G	CC		27x30	810		6" 4860	4860	6	4860			-MOVED-
Shed		Y/W				8x16	128				4	512			
Deck		Y/W			✓	3x4 7x12	96			6" 576	6	576			OK5
Barn															
New Cabin	92	Y/W	Gd		Fr	24x36-84 12x22-264	1128	46" 51888	58" 66260	66260	72	81216			-D6 1/2 @ 90%
Cov. Porch	93				✓	6x36	216	6" 1296	6" 1296	1296	8	1728			-SP3
Screen Porch					✓	12x14 12x24	168 288			25" 7200	15	2520			-SP3
Res Add					✓	16x24	384			58" 22556	72	27648			-

ROOF	Gbl Type
	App Covering
BASEMENT	None
	Partial
	Full
	Walkout
STORIES	1/4 No.
	Split
HEATING A/C	
FA. Type	
	Fuel
INSULATED	
PLUMBING	
	Water Supply
	Sewage System
	No. Baths



TOT-AL	53376	72800	104132	120444	CAMA. 160756
Residence	B	1	2	Finish	
				Wall	Ceil.
Kitchen					
Dn. Area					
Lv. Room					
Bedroom					
Bath					
Rec. Room					
Utility					

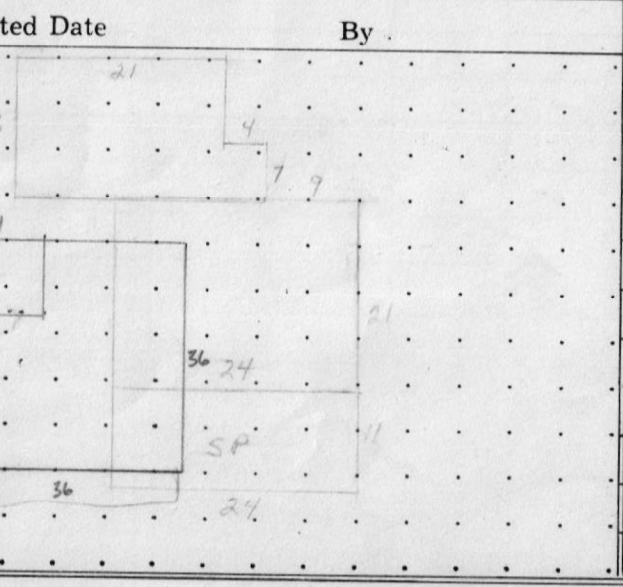
3-21-99 Pole complete  
 10-26-99 Added 3 season porch, Added Res Add with T+G walls and ceiling, Framed for Fireplace Added Shed, Added Deck with railings which was attached to Addition. Increased Site Value.

EXTERIOR	1/2 log
ELECTRIC	110
	220
FIREPLACE	Economy
	Average
	Elaborate

D6  
 +1090  
 -10  
 9190  
 80.69  
 +1090  
 88.75  
 -10  
 78.75 - 9190 = 72



Year Built	Color	Cond.	Foundation	Const.	Size	Area	Rate	85 Value	Rate	90 Value	Rate	91 Value	Rate	92 Value	Rate	93 Value	Rate	94 Value	Rate	98 Value	ROOF	
29	N	F	C	F	21x24	504															N Type	
82					15x21	315															S Covering	
					4x7	28	24	20328	25	21175	25	21175										
					11x24	264	10	2640	10	2640	10	2640										
					14x15	210					2	420										BASEMENT
								1000		1000		1000										None
																						Partial
																						Full
					8x18	144	100	144	100	144	1	144	100	144	100	144						Walkout
																						STORIES
					12x16	192							100	192	100	192						1 1/4 No.
98	Gray	G	CC	metal	27x30	810																Split
	Nat				8x12																	
92	Grey	Gd		FR	24x36-864																	HEATING
					12x22-264	1128							15	16920	40	45120	46 <sup>00</sup>					FA Type
93					6x36	216																Fuel
					12x24																	INSULATED
					16x24																	PLUMBING
																						Water Supply
																						Sewage System



ted Date		By		TOT-AL	24112	27300	25379	336	17256	46536	53376	No. Baths
Residence	B	1	2	Finish			4-4-94 KL - Appears mostly complete except some floor coverings. 7-22-97 MC NOTHERE NO NEW GARAGE 3-30-98 <del>JUST POLES FOR AREA. 26-30 O.S.-D.M.</del> BOAT HOUSE gone 3-21-99 Pole complete. 10-26-99 Added 3 season porch. Added Res Add with T+G walls + ceiling and Fireplace Framed Added Shed and Added Deck attached to Addition Deck has railings.					
Kitchen		1		Wall	Ceil.	Floor						
Dn. Area												
Lv. Room		1										
Bedroom												
Bath												
Rec. Room												
Utility												
ELECTRIC												
✓ 110												
220												
FIREPLACE												
Economy												
Average												
Elaborate												



LAND TYPE	No. Ac.	Per Ac.	83 Value	Per Ac.	86 Value	Per Ac.	95 Value	Per Ac.	97 Value	Per Ac.	98 Value	Per Ac.	Value	Per Ac.	Value	Per Ac.	Value
Edg. Site							4000		5000		5000						
Open																	
Flooded																	
Low Woods																	
Lowland																	
Frontage	60	120	7200	140	8400	157 <sup>2</sup>	9450	171 <sup>6</sup>	10300	196 <sup>4</sup>	11800						
Roads																	
<b>TOTAL</b>			7200		8400		13450		15300		16800						

Parcels Owned  
 11-644-1  
 646-1  
 828-1  
 829  
 830-1

11- Robert J., Jr. & Patricia Davidson 9114 Glen E  
 14781 - 78th Ave. No.  
 Maple Grove, Minn. 553  
 Brooklyn Park  
 Willwood 12

Lot Size 60 X 185  NOTES	Y E A R	MARKET VALUE Lake #1-159				Home stead		ASSESSED VALUE									
		Estimated Value Land	Estimated Value Bldgs.	TOTAL	House Garage 1 Acre	Y E S	N O	FARM		RESIDENTIAL		Seasonal Rec.	Seasonal Com Rec	Comc.	Ti L		
	85	7200	24100	31300		15	✓									6573	
	85	7900	24100	32000		15	✓									6720	
	86	8400	24100	32500		15	✓									6825	
	87	8400	24100	32500			✓										
	88	8400	24100	32500			✓										
	89	8400	26500 24100	34900 32500				151-0									
	90	8400	27300	35700													
	91	8800 8400	29300 27900	38100 36300													
	92	8700	300	9100													
	93	8800	17300	26100												17000 NC	
	94	8800	46500	55300												29200 NC	
	95	14900 13500	51200	64700	66100	H		201-1-0 mp									
	97	15300	53800	69100													
	98	16800	53400	70200		H											
	99	18500	78800 58200	91300		H		NC 4900									

SALES			Building Permits	
Date	Amount	Inst.	Date	Purpose
			97	22x26 GAR.

11-27-89 TS + M  
 2-13-91 TS + KL  
 12-11-90 Cabin Burnt 11-23-91  
 3-11-92 TS  
 3-6-93 TS + 2nd Rebuilding CABIN  
 4-4-94 KL  
 7-22-97 ME  
 3-30-98 - STARTING GAR. D.S. + O.M. (Pole Shed)  
 OLDER GAR. ON 0-064601  
 3-21-99 ME (Robert here) KL  
 10-26-99 TB Not here



2019-005226

# AITKIN COUNTY ZONING

PERMIT NUMBER **44708**

PARCEL NUMBER 11-1-082900

Location 12 Lot 29 Block 45 Gov't. Lot 27 Section 27 Twp. 27 Rge. 27

Issued Sept. 30, 2019 To Barpet Properties, LLC  
Nature of Authorization Approved for a 6 bedroom Type I Mound septic.

New Construction  Alteration

Sewer Installation

Flood Plain and Lowest Floor Elev. \_\_\_\_\_

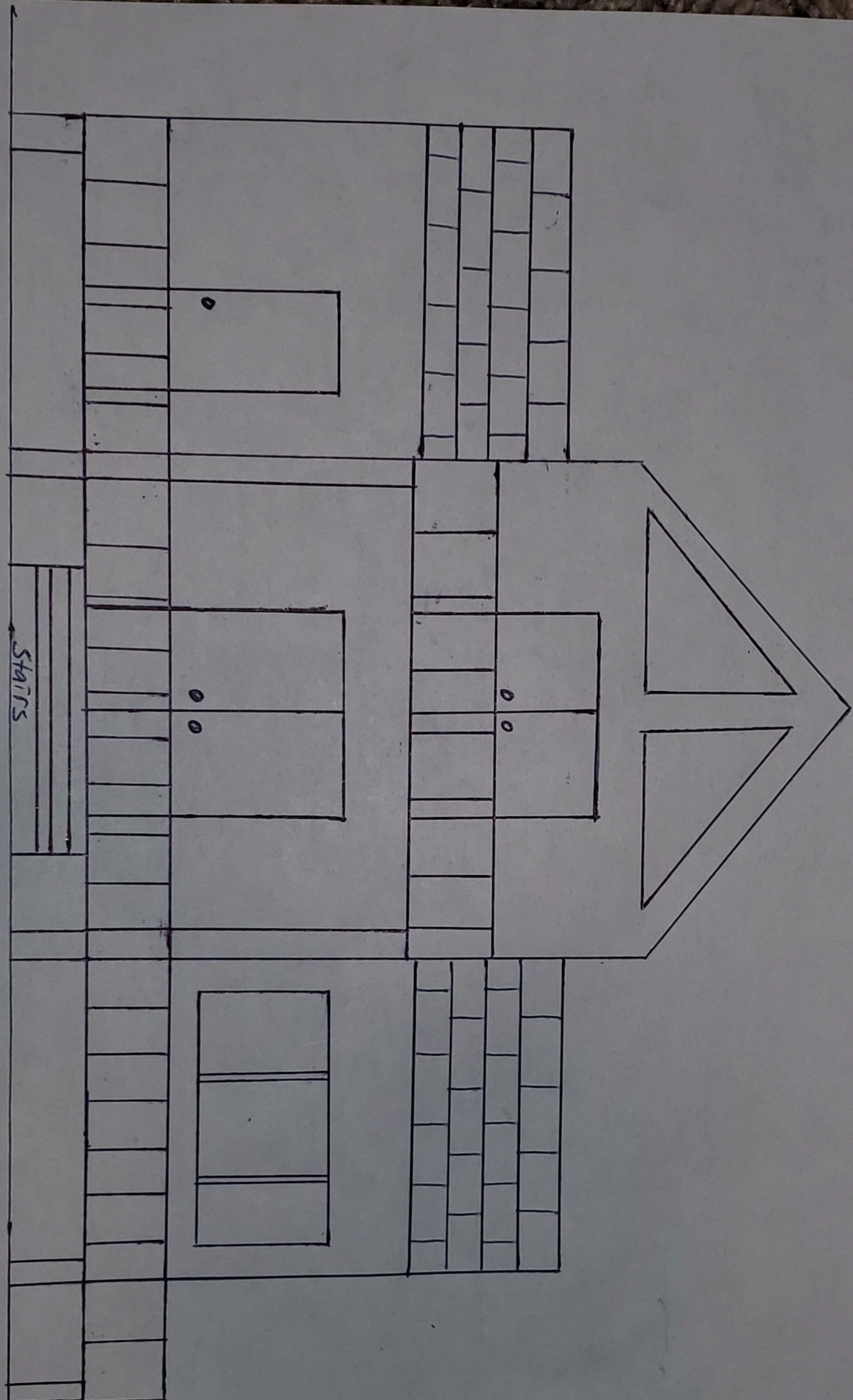
This permit expires one year from date of issuance  
**NOT TRANSFERABLE**

**NOTE:**

This permit must be posted in a conspicuous place on premises on which work is to be done and remain until work has been completed and inspected.

K. BURETON  
ZONING ADMINISTRATOR





STAIRS



# Side Sketch

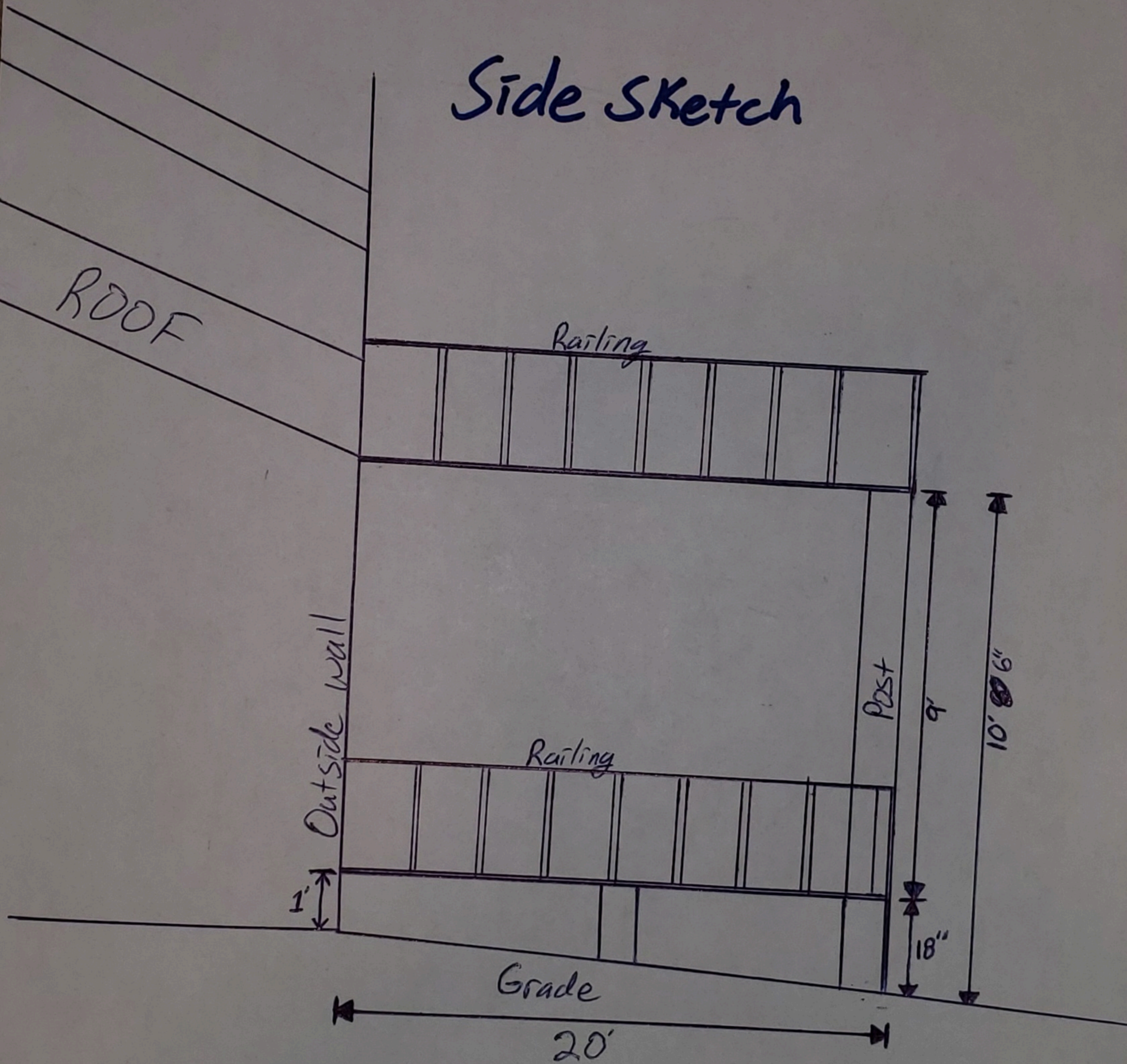




EXHIBIT "A"

→ Lots 11, 12, and 13, Wildwood, except the westerly 26 feet of Lot 11, as measured at right angles from the westerly line of said Lot 11, Wildwood, and except the easterly 32.0 feet of Lot 13, as measured at right angles from the easterly line of said Lot 13, Wildwood, Altkin County, Minnesota.

Abstract Property.

And

→ That part of Government Lot 7 and the Southwest Quarter of the Southeast Quarter of Section 29, Township 45, Range 27 described as follows:

Commencing at the Southeast corner of the plat of Wildwood, thence running westerly along the South line of said plat a distance of 15.4 feet to the point of beginning of the tract to be hereby described; thence continuing westerly along the South line of said plat a distance of 284.6 feet; thence southerly at right angles, a distance of 725.6 feet; thence easterly, at right angles, 60 feet; thence northerly, at right angles, 80 feet; thence easterly, at right angles, 224.6 feet; thence northerly, at right angles, 645.6 feet to the place of beginning, Altkin County, Minnesota.

Except that part of Government Lot 7, Section 29, Township 45, Range 27, described as follows:

Commencing at the Southeast corner of said plat of Wildwood, thence westerly along the Southerly line of said plat a distance of 214 feet to the actual point of beginning of the tract to be described; thence continuing westerly along said Southerly line of Wildwood a distance of 86 feet; thence southerly at right angles a distance of 100 feet; thence easterly at right angles a distance of 86 feet; thence northerly at right angles a distance of 100 feet to the actual point of beginning. And except that part of Government Lot 7, and that part of the Southwest Quarter of the Southeast Quarter of Section 29, Township 45, Range 27 described as follows:

Commencing at the Southeast corner of said plat of Wildwood, thence westerly along the southerly line of said plat a distance of 15.4 feet to the actual point of beginning of the tract to be described; thence continuing westerly along said Southerly line of said plat a distance of 76.6 feet; thence southerly at right angles a distance of 645.6 feet; thence easterly at right angles a distance of 76.6 feet; thence northerly at right angles a distance of 645.6 feet to the actual point of beginning.

Abstract Property.



Check applicable box:

- The Seller certifies that the Seller does not know of any wells on the described real property.
- A well disclosure certificate accompanies this document or has been electronically filed. (If electronically filed, insert WDC number: \_\_\_\_\_).
- I am familiar with the property described in this instrument and I certify that the status and number of wells on the described real property have not changed since the last previously filed well disclosure certificate.

Grantor

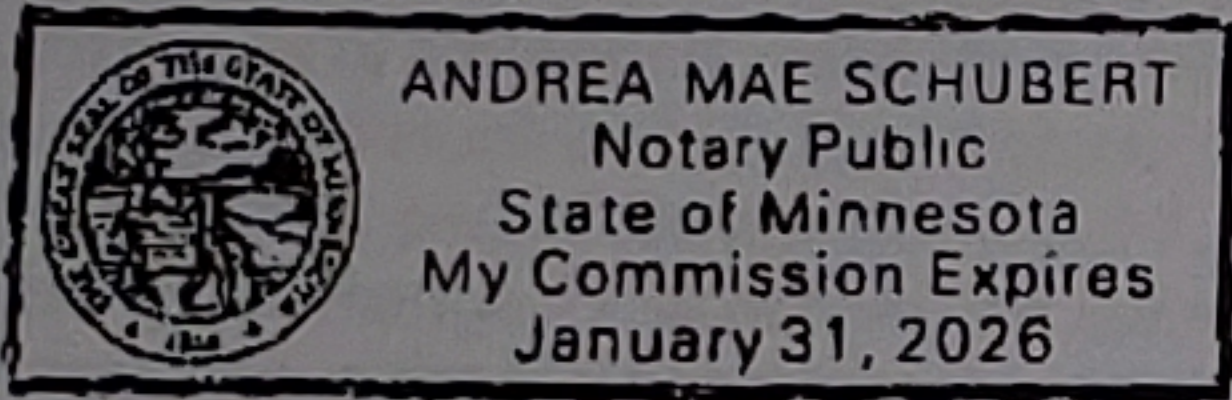
BarPet Properties, LLC

BY: *Peter M. Capistrant*  
 Peter M. Capistrant  
 President

State of Minnesota, County of Crow Wing

This instrument was acknowledged before me on August 22, 2023, by Peter Capistrant as President of BarPet Properties, LLC.

(Stamp)



*[Signature]*  
 (signature of notarial officer)  
 Title (and Rank): \_\_\_\_\_  
 My commission expires: \_\_\_\_\_  
 (month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:  
 RG Title, LLC  
 3495 Northdale Blvd NW # 201B  
 Coon Rapids, MN 55448

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED  
 IN THIS INSTRUMENT SHOULD BE SENT TO:  
 Scott Beck Construction Inc  
 4028 Rufe Snow Drive  
 North Richland Hills, TX 76180



CRV Filed  
No Delinquent Taxes and Transfer Entered  
Kirk Peysar, County Auditor  
State Deed Tax Paid  
Lori Grams, County Treasurer

Doc No: **A478729**  
Certified Filed and/or Recorded on  
**9/21/2023 9:04 AM**

WAD 1/1  
REC FEE \$46.00  
SDT \$1336.50  
eCRV # 1569642

Office of the County Recorder  
Aitkin County, Minnesota  
Tara Snyder, County Recorder

Package: 84170 Terri

(Top 3 inches reserved for recording data)

WARRANTY DEED  
Business Entity to Business Entity

Minnesota Uniform Conveyancing Blanks  
Form 10.1.9 (2013)

e-CRV No.: 1569642

DEED TAX DUE: \$1,336.50

DATE: August 22, 2023

FOR VALUABLE CONSIDERATION, BarPet Properties, LLC, a Limited Liability Company under the laws of Minnesota ("Grantor"), hereby conveys and warrants to Scott Beck Construction Inc, a Corporation under the laws of Texas ("Grantee"), real property in Crow Wing County, Minnesota, legally described as follows:

→ Legal description attached hereto and made a part hereof marked Exhibit "A"

Check here if all or part of the described real property is Registered (Torrens)

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions: