

AGENDA

THE **BOARD OF ADJUSTMENT** WILL ASSEMBLE FOR A HEARING OF APPEALS FROM THE AITKIN COUNTY ZONING ORDINANCE ON March 4, 2026 **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 March 4, 2026 Board of Adjustment meeting.

New Business:

4. THOMAS J & SUSAN M GREEN, 138 119TH AVE NW, COON RAPIDS, MN 55448, are requesting a variance from the required 30 foot township road right-of-way setback to a setback distance of 13.5 feet to construct a 900 square foot accessory building; an after the fact variance from the required 30 foot township road right-of-way setback to a setback distance of 3.5 feet for a 216 square foot accessory structure; and an after the fact variance from the required 100 foot ordinary high water level setback on a recreational development lake (Hanging Kettle) to a setback distance of 92 feet for a 96 square foot shed, in an area zoned shoreland. LOT 8 & 9 HANGING KETTLE ADDITION, Section Thirteen (13), Township Forty-six (46), Range Twenty-seven (27), Aitkin County, MN.

APP-2025-000769

5. TERENCE C TILFORD, 5420 MOUNT NORMANDALE CURV, BLOOMINGTON, MN 55437, is requesting a variance from the required 30 foot bluff setback to a setback distance of 15 feet to construct a 1645 square foot residence, in an area zoned shoreland. LOT 10 GLACIER LAKE ESTATES. Section Twenty-three (23), Township Fifty (50), Range Twenty-three (23), Aitkin County, MN.

APP-2026-000016

6. JOHN C & CLAUDIA C MEEHAN TRUSTEES, 44146 TAME FISH LAKE RD, AITKIN, MN 56431, are 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 58 feet to construct a 1200 square foot accessory structure addition on an existing nonconforming accessory structure, in an area zoned shoreland. PART OF LOT 3 N OF ROAD LESS CO RD ROW & LESS E 727.21 FT. Section Eight (8), Township Forty-five (45), Range Twenty-seven (27), Aitkin County, MN.

APP-2026-000018

7. KEVIN & CARMEN BOCK, 858 BALD LAKE COURT, EAGEN, MN 55123, are requesting a variance from the required 75 foot ordinary high water level setback on a general development lake (Big Sandy) to a setback distance of 57 feet to construct a 360 square foot residence addition on an existing nonconforming residence located 57 feet from the ordinary high water level, in an area zoned shoreland. .30 AC LOT 4 IN DOC 229871. Section Seven (7), Township Forty-nine (49), Range Twenty-three (23), Aitkin County, MN.

APP-2026-000027

8. DAVID & PATRICIA WARWICK TRUSTEES, 5081 EDGEWOOD DR, MOUNDS VIEW, MN 55112, are requesting a variance from the required 75 foot ordinary high water level setback on a general development lake (Minnewawa) to a setback distance of 38 feet and a variance from the required 10 foot property line setback to a setback distance of 6 feet to construct a 908 square foot residence, which is in the shore impact zone. LOT 13 & 14 SHESHEBE POINT 2ND ADDITION. Section Twenty-two (22), Township Forty-nine (49), Range Twenty-three (23), Aitkin County, MN.

APP-2026-000012

9. CRAIG R & DIANE M SMYTHE, 44373 CONIFER ST, AITKIN, MN 56431, 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 75 feet and a variance from the required 10 foot property line setback to a setback distance of 7 feet to construct a 234 square foot residence addition on an existing nonconforming residence located 45 feet from the ordinary high water level and 8 feet from the property line, which is in the shore impact zone. PART OF GOVT LOT 2 FORMERLY KNOWN AS LOT 9 BLOCK 3 OF NORTH SHORE MILLE LACS LAKE PLAT. Section Five (5), Township Forty-four (44), Range Twenty-seven (27), Aitkin County, MN.

APP-2026-000028

10. Approval of minutes, February 4, 2026.

11. Adjourn.

AITKIN COUNTY ZONING

NOTICE OF HEARING

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APP-2026-000028

AITKIN COUNTY ZONING

Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	07-1-095100	40466 317th Ln AITKIN, MN 56431	FARM ISLAND TWP	GREEN, THOMAS J & SUSAN M	GREEN, THOMAS J & SUSAN M	LOT 8	HANGING KETTLE ADDITION	S:13 T:46 R:27	RD	HANGING KETTLE LAKE
	07-1-095200		FARM ISLAND TWP	GREEN, THOMAS J & SUSAN M	GREEN, THOMAS J & SUSAN M	LOT 9	HANGING KETTLE ADDITION	S:13 T:46 R:27	RD	HANGING KETTLE LAKE
Driving directions to the proposed project from Aitkin:	County Rd. 39 Oak Ave. to 317th Lane									
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>File 1:  Variance_Questions.pdf File 2:  Variance_Survey.pdf</div>
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	Section 3 - 3.55 setbacks

Supplemental Data

Attach completed form here:	<div>File 1:  supplemental-data_2.pdf</div>
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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>	<p>File 1:  Cabin_Site_Plan.pdf</p>

Side Profile Sketch of the Structure

<p>Attach a side profile sketch of your proposed structure or addition here (if applicable):</p>	<p>File 1:  Cabin_retaining_walls.pdf</p>
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Certificate of Septic Compliance

<p>Attach a copy of one of the following, if applicable:</p> <ul style="list-style-type: none"> - A current compliance inspection on an existing septic system. - A design for a new/replacement septic system. 	<p>File 1:  25-201_Brady_Green_Holding_Tank_Design_Aitkin_Co..pdf</p> <p>File 2:  Septic_compliance_letter.pdf</p>
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Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:	File 1: shoreland-performance.pdf
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Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:	File 1: erosion-control-plan.pdf
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Property Deed

Attach the property deed:	File 1: AITKIN_COUNTY_-_REC-REAL_EST_-_246867.pdf
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Other

Other Information (if necessary):	Adding 2 small structures to the variance application not meeting setbacks (See site plan) "after the fact"
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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 #64089 (08/29/2025) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 08/29/2025 10:07 AM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 08/29/2025 10:07 AM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 08/29/2025			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature accepted

Failed to send [Variance Ready for Action](#) notification to:**Approvals**

Approval	Signature
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Applicant	Brady Green - 01/21/2026 10:37 AM e6375a45841282baee0fc63ae4b82947 2af2331daefadf1f27ea745716e6771a
#1 Administrative Review	Kim Burton - 01/21/2026 12:30 PM 0de595a44954851d5583cdf6d9058817 6fe48d369c62c53fc4f1108cc426fdbb
#2 Board of Adjustment Approval	

Public Notes

Text:	<p>All 3 sheds on property are unpermitted. 2 of the sheds are not meeting setbacks.</p> <p>Proposed garage 13.50 setback from road?</p> <p>ATF shed 3.5 feet from row? (18X12?)</p> <p>ATF shed (lakeside) 92 feet from ohwl? 8X12?</p>
File(s):	<div></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
UID #	215157	<i>not applicable</i>
App. #	<input type="text" value="2025-000769"/>	«« 2026-000015
Permit #	<input type="text"/>	«« 2026-0008

[Print View](#)

SPECIFY THE SECTION OF THE ORDINANCE FROM WHICH A VARIANCE IS SOUGHT:

Section 3 - 3.55 Setback: "Setback" means the minimum horizontal distance between a structure including overhangs, eaves, or projections (of greater than twenty four (24) inches) therefrom, sewage treatment systems or other facility and an ordinary high water level, sewage treatment system, top of a bluff, road right-of-way, property lines, or other facility.

EXPLAIN HOW YOU WISH TO VARY FROM THE APPLICABLE PROVISIONS OF THE ORDINANCE:

I would like to position the front elevation of the garage 30' from the center of the private drive (317th Lane) this would be approximately 10' further away from the road than the primary structure already in place. This will also allow the the proposed structure to be within the 100' OHW setback.

PLEASE ANSWER THE FOLLOWING QUESTIONS AS THEY RELATE TO YOUR SPECIFIC VARIANCE REQUEST:

1. In your opinion, does the proposal put the property to use in a reasonable manner?

Yes. It would put the property to use in a reasonable manner. The intended use is consistent with the surrounding neighborhood and does not exceed what is typical for similar properties. It would allow the practical use of the property while respecting the character of the community.

2. In your opinion, are there circumstances unique to the property?

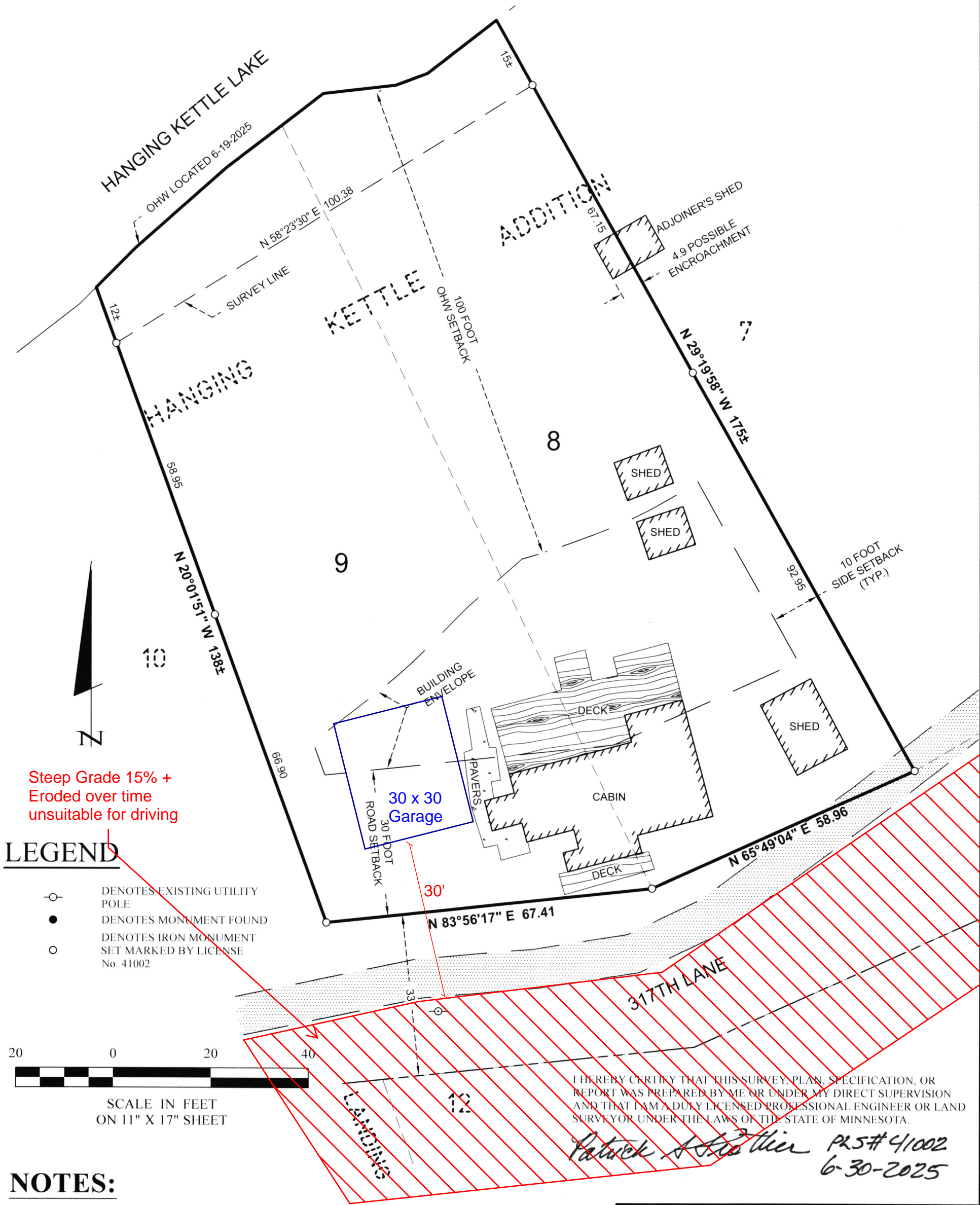
Yes. Over time 317th lane has eroded from the South property making the road a private drive that serves two residents. The property owner at this point is driving down the private drive (317th Lane) that now goes through my property. The plat map shows the road being 33' wide. With the erosion over time the road is currently 9' wide. This unique circumstance creates practical difficulties meeting the ordinance requirements.

3. In your opinion, will the variance maintain the essential character of the locality?

Yes. The project fits in the neighborhood's scale and appearance. It will not cause any negative impacts, and compliment near by properties rather than stand out or be disruptive in any way.

CERTIFICATE OF SURVEY

LOTS 8 AND 9, HANGING KETTLE ADDITION
SECTION 13, TOWNSHIP 46 NORTH, RANGE 27 WEST
AITKIN COUNTY, MINNESOTA
TOTAL AREA = 18,110 SQ. FT.



30206 Rasmussen Road
Suite 1
P. O. Box 874
Pequot Lakes, MN 56472
218-568-4940
www.stonemarksurvey.com

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

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

Proposed # of Bedrooms 0 Proposed Structure Height 18' ft.

Existing Total Building Coverage 11 % Proposed Total Building Coverage 6 %

Existing Total Impervious Surface Coverage 0 % Proposed Total Impervious Surface Coverage 2.5 %

"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):

Garage 30' x 30' - 900 Sq. Ft. with a 30' x 12' concrete apron

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) Without

<input type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <input type="text"/> ft.
<input type="checkbox"/> Property Line	Proposed Setback <input type="text"/> ft.
<input checked="" type="checkbox"/> Road Right-of way <input type="text"/> Twp <input checked="" type="checkbox"/> Co. <input type="text"/> State	Proposed Setback <input checked="" type="text"/> ft. From center of drive lane
<input type="checkbox"/> Bluff	Proposed Setback <input type="text"/> ft.
<input type="checkbox"/> Other: <input type="text"/>	Proposed Setback <input type="text"/> 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
☐ 2nd 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
☐ 2nd 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.

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Itemized square footage of proposed structure(s):

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. _____

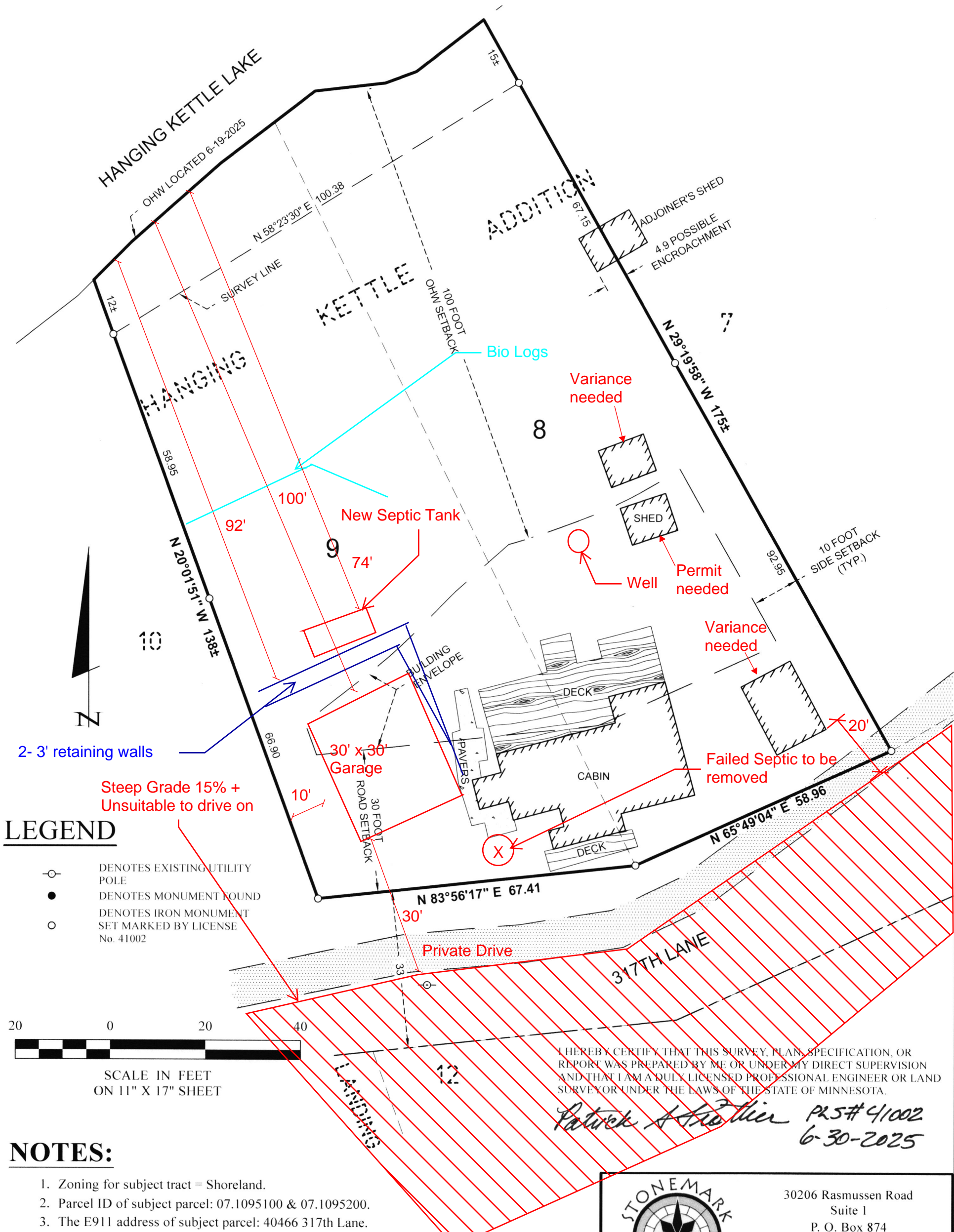
Section 5 – Creating Nonconforming Lot(s)

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

LOTS 8 AND 9, HANGING KETTLE ADDITION
SECTION 13, TOWNSHIP 46 NORTH, RANGE 27 WEST
AITKIN COUNTY, MINNESOTA
TOTAL AREA = 18,110 SQ. FT.

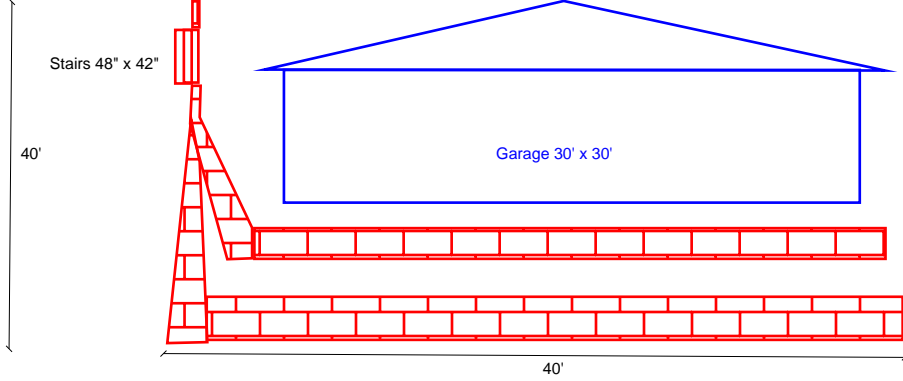


I HEREBY CERTIFY THAT THIS SURVEY, PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

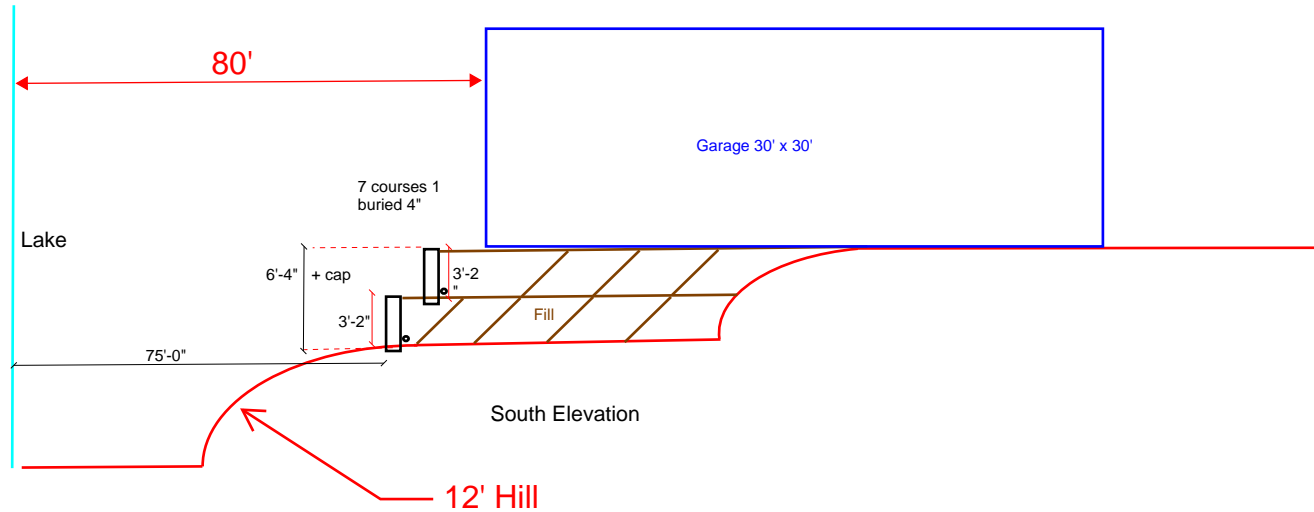
Patrick A. Forcelle PLS# 41002
6-30-2025



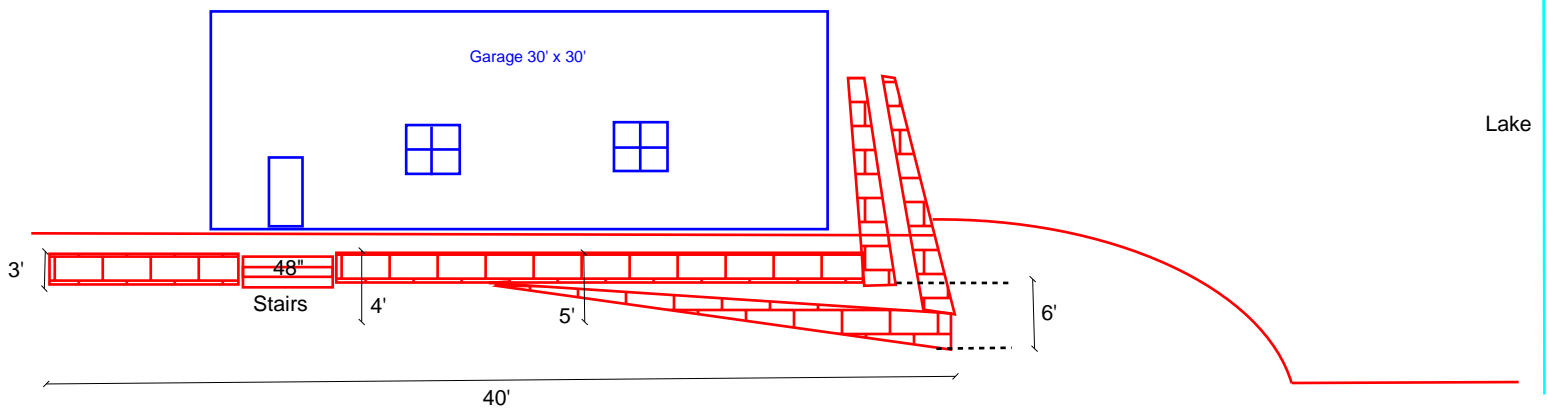
30206 Rasmussen Road
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Pequot Lakes, MN 56472
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West Elevation



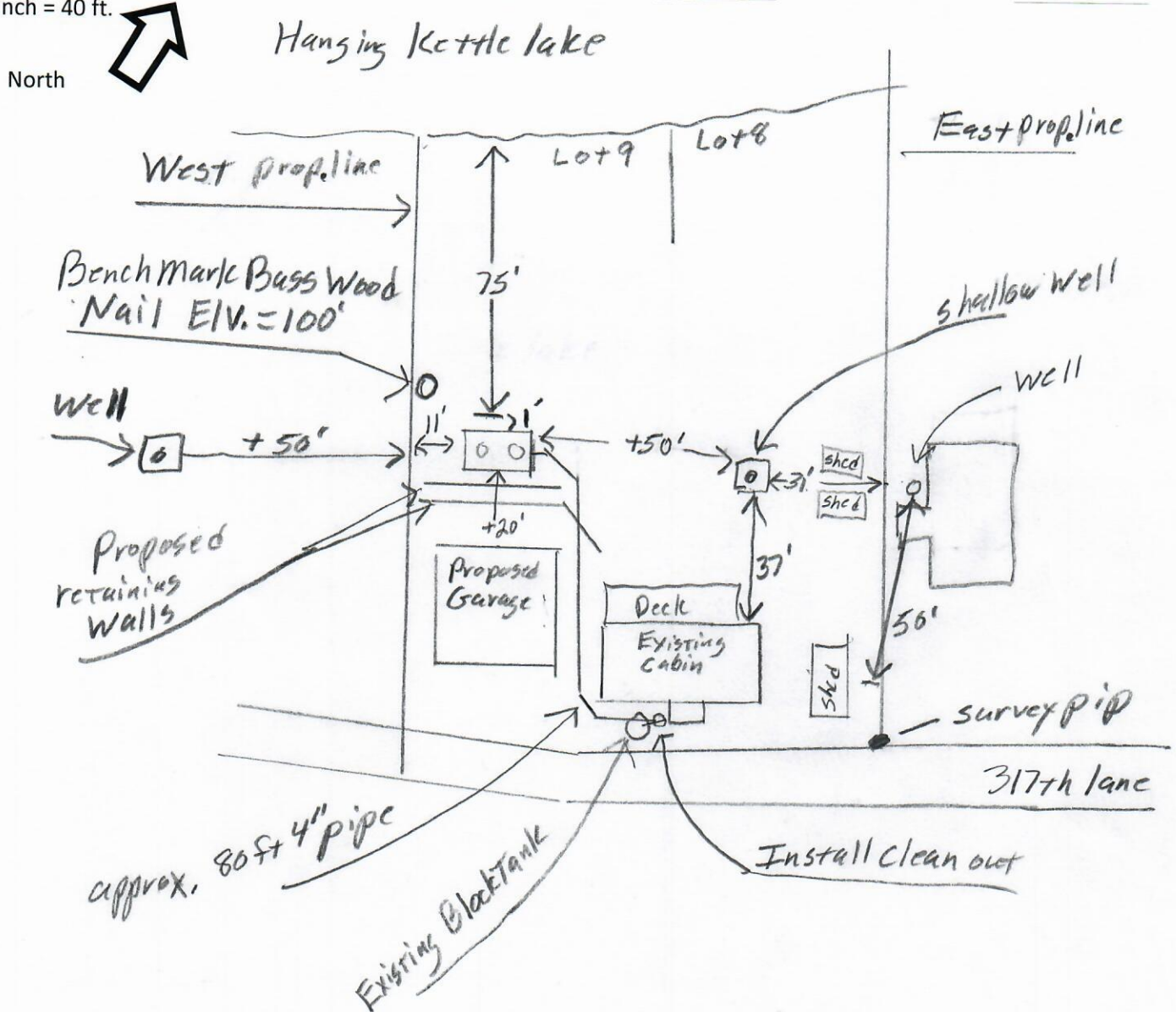
South Elevation



North Elevation

Aitkin County { Holding Tank Design }

Property Owner: Brady Green Date: 11/5/25 Designer's Initials: JB
 One Inch = 40 ft.



Hanging Kettle Lake Approx. Elv. = 1231' or approx. 89' / Estimated New Tank Grade Elv= 1239' from GIS Map
 Please show all that apply (Existing or Proposed): Please Draw to Scale with North to Top or Left Side of Page:
 Wells within 100ft. Of Drain field.
 Water lines within 10 ft. of Drain field.
 Drain field Areas:

Disturbed/Compacted Areas
 Component Location
 OHW ordinary high water
 Lot Easements

Access Route for Tank Maintenance
 Property Lines
 Structures
 Setbacks

Elevations : Benchmark Elevation: Elv.= 100' Nail on Basswood Tree SW of New H-tank
 New H-tank grade Elv.= 100'
 Estimated New H-Tank In-let Elv.= 98'
 Existing 1st tank inlet Elv.= 93.4'
 Grade at Shallow Well House Elv.= 101.4'
 Existing Grade at SW corner of Existing house Elv. = 106.6'
 Existing Sewer Pipe In-let of tank Elv.= 100.9'
 Existing tank grade Elv.= 106.4'

Aitkin County { Design Notes }

Property Owner: Brady Green Date: 11/5/2025 Designer's Initials : JB
40466 317th Ln. Aitkin I Pin : 07-1-095100 & 095200

Existing House has a Non-Compliant Tank (Block) This is a design for a holding tank (Wippler 3198 gal. H-Tank).

Lot is too small for Type I system. Existing wells (3 of them) will be + 50' from the Holding Tank.

Owner proposes a new garage on lot # 9. Holding tank will be approx. 20 ft from proposed garage.

Lot is very tight, Holding tank will be 76 ft from OHW, 11 ft from West Property line, approx. 52 ft from well.

Install Clean-out at connection to existing 4" sewer pipe, route new pipe between existing cabin and the proposed new garage. Air test new sewer pipe. (Recommend installing a reverse clean-out at H-tank in-let.

Install 3198 gal. Wippler Holding tank with electric alarm, try to locate alarm buzzer in or near cabin.

Raise at least one manhole per compartment, (recommend 4" to 6" above finished grade for access).

Install electric alarm in 15% of tanks capacity, approx. 38 inches off the bottom.

this will leave approx. 500 gallons of reserve capacity.

Tank will meet 50ft. Setback from all wells, and will meet 10 ft. setback to all property lines.

Tank will meet 10 ft. setback to buildings. Tanks will meet setback to Hanging Kettle lake 75'.

Home owner has a pumping agreement with local pumper on file.

Setbacks are

50 ft. from all wells

10 ft. from lot line

10 ft. from road easement

10 ft. from structure.

75 ft Hanging Kettle Lake

(Recommendations for holding tanks)

Electric Alarm in or near house

Insulate tank top

Water proof outside if installed in water if available

Raise manholes 4" or more above finished grade for winter access

Add extra soil on top of tanks for ballast

Owner should install H-tank before installing retaining wall.

Designer Name : Jeff Brummer License Number : L-1347

Address : 14650 Agate Ridge Road City : Brainerd State : MN

Zip Code : 56401 Home Phone # : _____ Cell: 218-821-0704

E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 11/5/2025

Tim Woodrow was mentored on this design 11/4/2025

2022 PRICE LIST

WIPPLER PRECAST

PO Box 93 Pine River, MN 56474

Cell: 218-820-8598

Prices Subject to Change

Delivery Charge After 60 Miles - \$5.00/Mile (Loaded)

85 GAL GRINDER / P	(2 GPI)	X \$495
500 GAL P	(11.9 GPI)	X \$585
650 GAL P	(15.5 GPI)	X \$1,065
1000 GAL SS, H, P	(23.9 GPI)	X \$1,390
1500 GAL SS, H, P	(37.6 GPI)	X \$1,525
2250 GAL SS, H, P	(56.7 GPI)	X \$2,450
3198 GAL SS, H, P (3198 GAL)	(56.7 GPI)	X \$3,520
1500 GAL 2 CP or 2 CG 1000 / 500	(24.1 / 12 GPI)	X \$1,650
1650 GAL 2 CP or 2 CG 1000 / 650	(24.1 / 15.6 GPI)	X \$1,915
2250 GAL 2 CP or 2 CG 1500 / 750	(37.6 / 17.8 GPI)	X \$2,820
2250 GAL 3 CP 1000 / 500 / 750	(37.6 / 17.8 GPI)	X \$2,855
600 GAL LO-PROFILE PUMP	(20 GPI)	X \$1,300
1000 GAL LO-PROFILE	(33.3 GPI)	X \$1,530
1600 2cP or 2cPG LO-PRO Heavy Tank 1000/600	(33.3 / 20 GPI)	X \$2,000

ACCESSORIES:

POLYLOK PL-122 FILTER	\$55
FILTERS AVAILABLE UP TO 10,000 G.P.D.	Price on Request
PLASTIC DROP BOX	\$26
24" DIA PLASTIC RISER	\$31 / LIN FT
20' ROLL BLACK MASTIC SEALANT	\$13
24" CONCRETE MANHOLE COVER	\$35.00
24" DIA PLASTIC MANHOLE COVER	\$42 AND \$50

KEY: P = PUMP SS = SINGLE SEPTIC H = HOLDING
CP = COMPARTMENT PUMP CG = COMPARTMENT GRAVITY

TANK DIMENSIONS

MOST TANK INLETS ARE 48" & LIQUID LEVELS ARE 42"

LO-PROFILES – INLET 38" & LIQUID LEVEL 31"

3198 GALLON – INLET 64" & LIQUID LEVEL 58"

		<u>D.O.B.</u>	<u>W</u>	<u>L</u>	<u>H</u>
85	GAL	8'	32" Dia	42" Sq	5'
500	GAL	8'	4'	80"	5'7"
650	GAL	7'	5'	80"	5'7"
1000	GAL	7'	80"	8'	5'7"
1500	GAL	7'	80"	11'	5'7"
1650	GAL	6'	80"	12'	5'7"
2250	GAL	6'	80"	16'	5'7"
3198	GAL	6'	80"	16'	6'3"
600	GAL _{Lo-Pro}	4'	7'	97"	4'7"
1000	GAL _{Lo-Pro}	4'	97"	8'6"	4'7"
1600	GAL _{Lo-Pro}	4'	97"	12'6"	4'7"

S = SINGLE COMPARTMENT

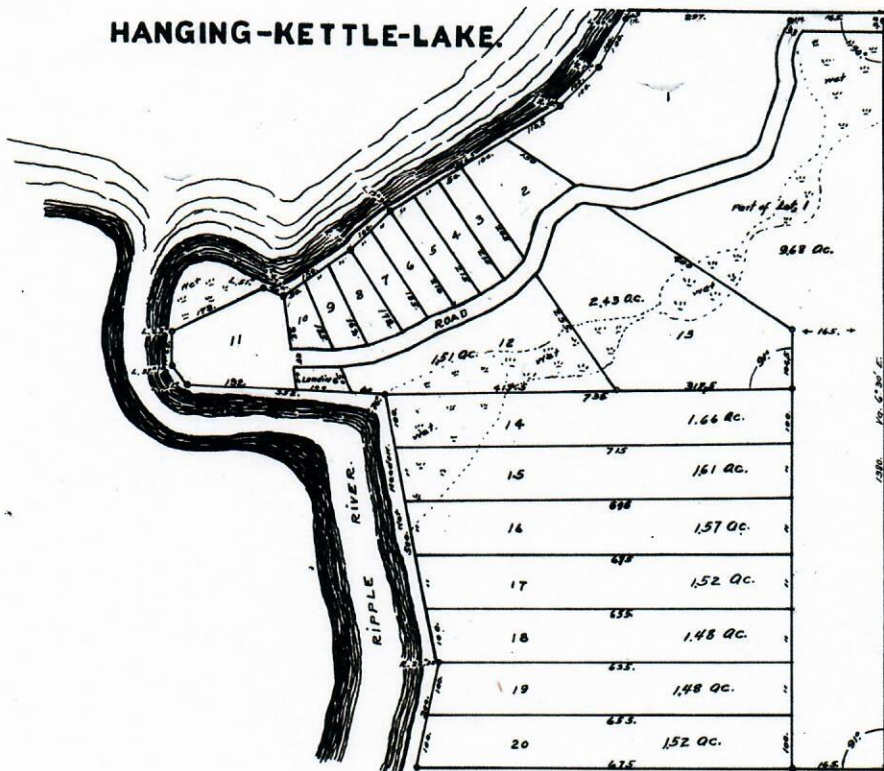
SP-PUMP SS-SINGLE SEPTIC SH-HOLDING

CP - COMPARTMENT PUMP CG - COMPARTMENT GRAVITY

GPI = GALLONS PER INCH D.O.B. = DEPTH OF BURIAL

HEIGHT IS FROM BOTTOM OF TANK TO TOP OF MANHOLE COVER

HANGING KETTLE ADDITION



I hereby certify that I have surveyed and platted Government Lot 9 Section 13 Township 46 N Range 27 W 4th Mer. as shown on above plat and have placed good iron monuments as indicated on plat that the outside boundaries, wet Land, Road, angles and measurements are correctly shown here-on and the plat is a correct representation of said survey.

W.D. Heath

The above certificate subscribed and sworn to before me this 2nd day of August, A.D. 1932

Clarence V. Quinn

Auditor of Aitkin County, Minn.

Know all men by these presents, that we Ben. R. Hassman and Barbara C. Hassman his wife being the owners and proprietors of Government Lot Nine (9) Sec. 13 Township 46 N Range 27 W 4th Mer. have caused the same to be surveyed and platted and to be here-after known as Hanging Kettle Addition, and we do hereby dedicate to the Public the road shown on above plat and in testimony where-of we have here-unto set our hands and Seals, this 2nd day of August, A.D. 1932.

Ben R. Hassman
Barbara C. Hassman witnesses.

Ben R. Hassman
Barbara C. Hassman

State of Minnesota } ss. on this 2nd day of August, A.D. 1932 before me a Notary Public, within and for said County, personally appeared Ben R. Hassman and Barbara C. Hassman his wife to me personally known, who each by me being duly sworn did say that they executed the foregoing instrument as their own free act, and deed.

W.D. Heath
Notary Public
Aitkin County, Minnesota
My Commission Expires Dec. 14, 1932

I hereby certify that the above plat was and the same is hereby approved this 2nd day of August, A.D. 1932

Clarence V. Quinn
Auditor of Aitkin County, Minnesota.

Chas. R. Zimmerman
Chairman of Board of County Commissioners.

I hereby certify that taxes for the year 1931 on the lands described within are paid.

Ray C. Tiffney
County Treasurer.

TAXES PAID AND

This 2nd day of August, 1932
Clarence V. Quinn
Auditor of Aitkin County, Minnesota.

89449
STATE OF MINNESOTA } ss.
COUNTY OF AITKIN } ss.
I hereby certify that the within instrument was filed in my office on
Aug. 2, 1932 at 2 o'clock P.M.
W.D. Heath
Register of Deeds



Detailed Parcel Report

Parcel Number: 07-1-095100

General Information

East lot

Township/City: FARM ISLAND TWP
Taxpayer Name: GREEN, THOMAS J & SUSAN M
Taxpayer Address: 138 119TH AVE NW
COON RAPIDS MN 55448
Property Address: 40466 317th Ln
Township: 46 Lake Number: 1017000
Range: 27 Lake Name: HANGING KETTLE LAKE *RD*
Section: 13 Estimated Acres: 0.00
Green Acres: No School District: 1.00
Plat: HANGING KETTLE ADDITION
Brief Legal Description: LOT 8

Tax Information

OHW = 1227.5'

Class Code 1: Non-Comm Seasonal Residential Recreational
Class Code 2: Unclassified
Class Code 3: Unclassified *1004R 1230.8*
Homestead: Non Homestead
Assessment Year: 2025

Estimated Land Value:	\$101,200.00
Estimated Building Value:	\$83,200.00
Estimated Total Value:	<hr/> \$184,400.00
Prior Year Total Taxable Value:	\$183,100.00
Current Year Net Tax (Specials Not Included):	\$992.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$0.00
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.



Detailed Parcel Report

Parcel Number: 07-1-095200

General Information

West lot.

Township/City: FARM ISLAND TWP
Taxpayer Name: GREEN, THOMAS J & SUSAN M
Taxpayer Address: 138 119TH AVE NW
COON RAPIDS MN 55448
Property Address:
Township: 46 Lake Number: 1017000
Range: 27 Lake Name: HANGING KETTLE LAKE
Section: 13 Estimated Acres: 0.00
Green Acres: No School District: 1.00
Plat: HANGING KETTLE ADDITION
Brief Legal Description: LOT 9

Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Non Homestead
Assessment Year: 2025

Estimated Land Value:	\$81,200.00
Estimated Building Value:	\$0.00
Estimated Total Value:	<hr/> \$81,200.00
Prior Year Total Taxable Value:	\$81,200.00
Current Year Net Tax (Specials Not Included):	\$414.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$0.00
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.

Home (/home.html?refresh=1) > LakeFinder (/lakefind/index.html) > Hanging Kettle (/lakefind/lake.html?id=01017000)

How to use LakeFinder

Main page (/lakefind/index.html)

LakeFinder search tips
(/lakefind/help.html)

Find a lake by map
(/maps/compass.html)

Stocking reports user guide
(/lakefind/stockinghelp.html)

Go to mobile site

(http://maps1.dnr.state.mn.us/lakefinder/mobile/index.html)

Lake Water Level Report

Hanging Kettle - 01017000

Aitkin County

Water Level Data

Period of record: 05/05/1937 to 09/05/2025

of readings: 1860

Highest recorded: 1230.52 ft (06/19/1943)

Lowest recorded: 1226.07 ft (09/05/2007)

Recorded range: 4.45 ft

Last reading: 1227.46 ft (09/05/2025)

Ordinary High Water Level (OHW)

(/waters/surfacewater_section/hydrographics/ohw.html) elevation: 1227.5 ft

Datum: MSL 1912 (ft)

Download lake level data as: [dBase (https://maps.dnr.state.mn.us/cgi-bin/lakefinder/water_levels_export.cgi?format=dbf&id=01017000)] [ASCII (https://maps.dnr.state.mn.us/cgi-bin/lakefinder/water_levels_export.cgi?format=csv&id=01017000)] (If you have trouble try right clicking on the appropriate link and choosing the "Save ... As" option.)

Benchmarks

Elevation: 1242.75 ft

Date Set: 05/30/2007

Description: Found 2013 for use only with prior permission from landowner. High point of well cap (#4), 25' lakeward of private residence, 31935 402nd Place, Aitkin. Resurveyed by KCW 4/27/10 - old elevation found in error.

Elevation: 1231.31 ft

Date Set: 03/03/1994

Description: Found 2025. Horizontal 3/8" x 8" spike 2.0' above ground in the east side of the easterly trunk of a twin (1.1, 1.3') basswood, 72' north of centerline of concrete boat ramp, on side of steep bank and 15' from water's edge, at public access, 31758 US Hwy 169, Aitkin.

Elevation: 1232.18 ft

Date Set: 03/03/1994

Description: High point on a large gray granite boulder on SE side of the twin basswood BM tree, 72' north of centerline of concrete boat ramp, on side of steep bank, at public access, 31758 US Hwy 169, Aitkin.

Datum: MSL 1912 (ft)

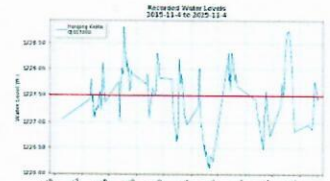
Location: T46R27S13

Datum: MSL 1912 (ft)

Location: T46R27S14

Datum: MSL 1912 (ft)

Location: T46R27S14



(https://maps.dnr.state.mn.us/cgi-bin/lakefinder/hydrograph.cgi.py?

basins=01017000:Hanging

Kettle&startdate=2015-11-

4&enddate=2025-11-

4&hydrograph_type=time_series&show_oh

Last 10 years of data, click to enlarge.

← [Return to main lake page \(/lakefind/lake.html?id=01017000\)](/lakefind/lake.html?id=01017000)



Questions?

Call 651-296-6157 or 888-646-6367

Email us: info.dnr@state.mn.us

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Septic System Compliance Inspection – Existing System

Date: 9/13/2025

Property Owner: Brady Green

Ordered By: Homeowner

Address: 40466 317th Lane, Aitkin, Mn, 56431

Property ID: 07-1-095100

Inspector: Jody Grund

A compliance inspection was performed at the above location. Soil evaluation was not conducted since there is only a block septic tank. The septic tank was pumped and inspected. This onsite system was found to be **Not Compliant.**

- **Impact On Public Health:**
System is Compliant
- **Tank Integrity:**
Tank(s) are not compliant
- **Other Compliance Conditions:**
None
- **Soil Separation**
NA
- **Operating Permit and Nitrogen BMP**
NA

I have included a copy of the compliance documents for your record. I have also sent a copy to Aitkin County for their records. If you have any questions, please do not hesitate to give us a call.

Thanks!

Tim Woodrow
Owner

218-927-6175

218-927-6175

1037 1st St. NW Aitkin, MN 56431

WWW.TIMBERLAKESSEPTIC.COM

Property Address: 40466 317th Ln, Aitkin, Mn, 56431

Business Name: Timber Lakes Septic Service

Date: 9/13/2025

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

Compliance criteria:

System discharges sewage to the ground surface

☐ Yes* ☒ No

System discharges sewage to drain tile or surface waters.

☐ Yes* ☒ No

System causes sewage backup into dwelling or establishment.

☐ Yes* ☒ 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?

☒ Yes* ☐ No

Sewage tank(s) leak below their designed operating depth?

☐ Yes* ☐ 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: _____

License number of maintenance business: _____

Date of maintenance: _____

☒ Existing tank integrity assessment (Attach)

Date of maintenance 9/9/2025

(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: _____

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 5Date of installation _____ ☒ 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.

Any "no" answer above indicates the system is failing to protect groundwater.*Describe verification methods and results:****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	
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

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

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.

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). 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 informationOwner/Representative Green, BradyProperty address: 40466 317th Lane Aitkin, MN 56431Local Regulatory Authority: Aitkin CountyParcel ID: 07-1-095100**System status**System status on date (mm/dd/yyyy): 9/9/2025☐ 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."

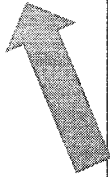
☐ Yes* ☒ No*Any "yes" answer above indicates sewage tank non-compliance.***Company information**Company name: Timber Lakes Septic Service IncBusiness license number: L455**Designated Certified Individual (DCI) information**Print name: Dan SwansonCertification number: C6023

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.

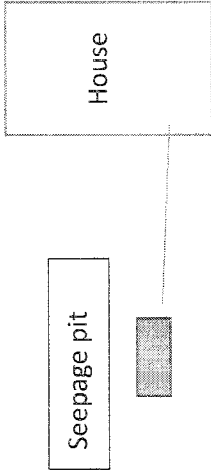
Designated Certified Individual's signature: Dan Swanson*(This document has been electronically signed.)*Date (mm/dd/yyyy): 9/9/2025

SKETCH SHEET AND SOIL BORING LOG



INSPECTOR: Jody Grund	Equipment: NA
DATE: 9/13/2025	Elevation of Limiting Layer: NA
PID#: 07-1-095100	Vegetation: Mowed Grass
SITE ADDRESS: 40466 317 th Ln, Aitkin, Mn, 56431	Weather: Sunny & Clear

North



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: Recreational Dev. |
| 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: 100' |
| 4) Enter the corresponding 'Score Multiplier' | 4: 1.000 |
| 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: 100 |

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 |
| 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 |
| 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 |
| 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..... | <i>To be determined by P&Z</i> |

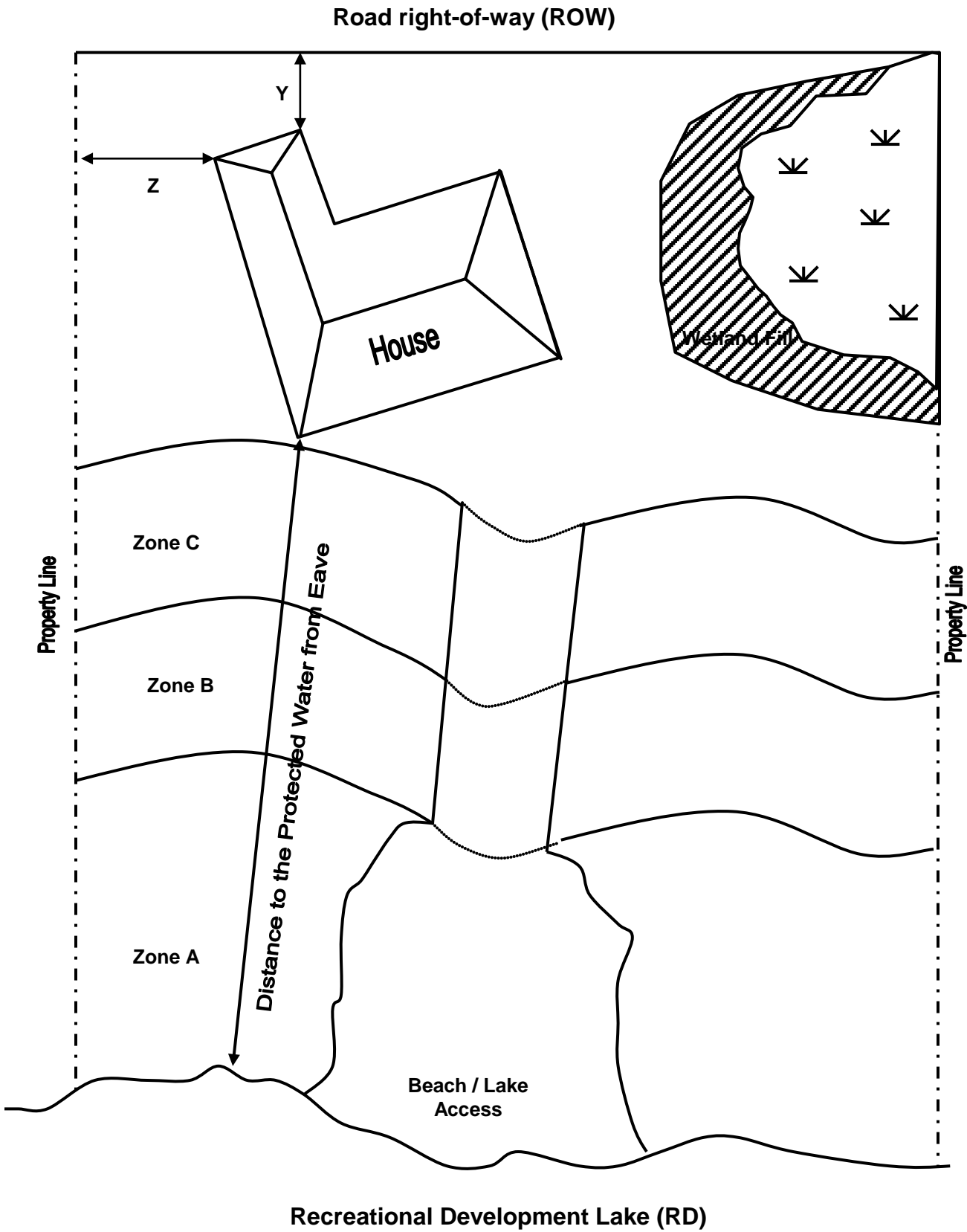
Final Score = Pre-mitigation Lot Score (Line 5) _____ + Mitigation Totals (Lines A-I) _____ = _____

**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

AITKIN COUNTY SHORELAND PERFORMANCE
(Example)



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: 11/1/2025

• 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 40466 317th Lane Aitkin, MN 56431

Builder _____ Owner Susan Green

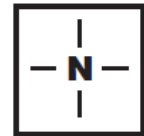
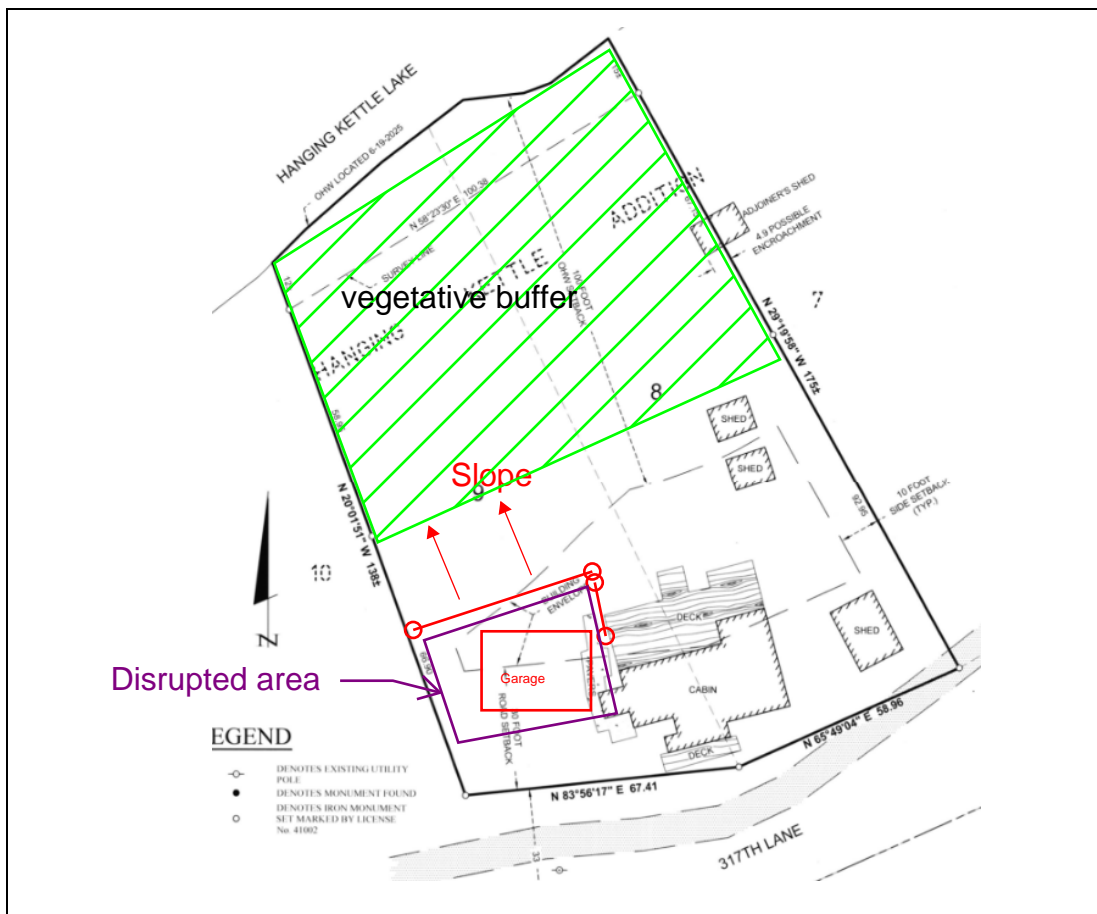
Worksheet Completed By Brady Green Date 8/29/2025

Amount of earthen material to be excavated and/or used for fill 250-300 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

No delinquent taxes and transfer entered; Certificate of Real Estate Value (X) filed () not required
Certificate of Real Estate Value No. 10671
June 2, 1987

Helena C. Dattler
County Auditor

by Alice Dattler
Deputy

246867

FILED JUN 2 1987 AT 9A M.

Everett Davies, County Recorder

(reserved for recording data)

STATE DEED TAX DUE HEREON: \$ 68.20

Date: May 30, 19 87

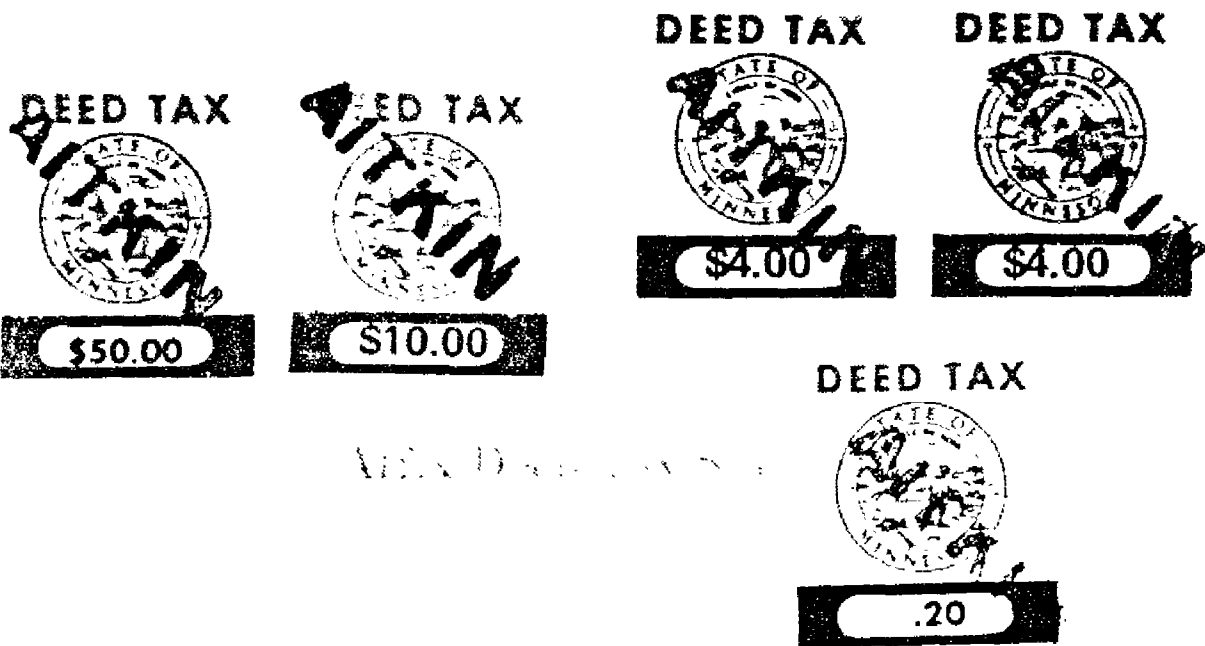
FOR VALUABLE CONSIDERATION, LeRoy V. Stark and Audrey L. Stark
(Husband and Wife), Grantor (s),
(marital status)

hereby convey (s) and warrant (s) to Thomas J. Green and Susan M. Green
(Husband and Wife), Grantees as joint
tenants, real property in Aitkin County, Minnesota, described as follows:

Lots 8 and 9 Hanging Kettle Addition, ~~XXXXXXX~~

(if more space is needed, continue on back)

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

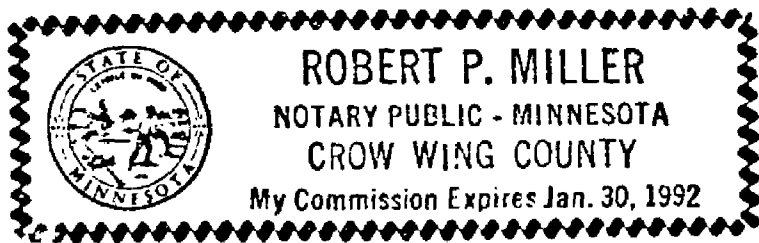


LeRoy V. Stark
LeRoy V. Stark
Audrey L. Stark
Audrey L. Stark

STATE OF MINNESOTA }
COUNTY OF Crow Wing } ss.

The foregoing instrument was acknowledged before me this 30th day of May, 19 87,
by LeRoy V. & Audrey L. Stark, Grantor (s).

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)



Robert P. Miller
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):

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

Uglen Realty of Garrison
P.O. Box 48
Garrison, MN 56450

Thomas J. Green
Susan M. Green
326 114 Ave. N.W.
Coon Rapids, MN 55433

4/20/87
6-29
W. L. R. Realty
CO. 54 45
Harrison, MO 647

6-29

RECORDED
✓ TRACT INDEX
GRANTOR
GRANTEE
COMPARED

③

COUNTY RECORDER
AITKIN COUNTY, MINNESOTA

FILED

JUN 2'87 9A M

E. C. H. H. H.

AS DOC. No.

246867

Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	32-1-079600	17108 540th Ln MCGREGOR, MN 55760	TURNER TWP	TILFORD, TERENCE C	TILFORD, TERENCE C	LOT 10	GLACIER LAKE ESTATES	S:23 T:50 R:23	RD	GLACIER LAKE
Driving directions to the proposed project from Aitkin:	Head east on 210 towards McGregor, North on 65 towards big sandy lake, turn right onto Lake AVE, go north on lake ave past big sandy until you reach 540th Ln stay left and it will be the last house 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>Proposing to tear down an existing non-conforming building and build a 1645 SF cabin.</p> <p>The existing building sits 7' 6" off the top of the bluff with 721 Sq. Ft. outside of the 30' bluff set back.</p> <p>The proposed building would be moved back approximately 8' and sit 15' 7" off the top of the bluff with only 360 Sq. Ft. outside of the conforming building area.</p> <p>We've moved the proposed building as far back as we can, while also being within reasonable distance of the property line and existing garage. We would like to leave room for access to that existing garage, while also having future consideration of a new garage inside the conforming building area.</p> <p>See attached files.</p>
<p>Attach prepared narrative here:</p>	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: 2025-12-23_Tilford_Terry__Melissa_24x36.pdf</p> <p>File 2: 2026-01-14_Tilford_Terry__Melissa_SITE_-_B_24X36.pdf</p> </div>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>2.791 top of the bluff</p>

Supplemental Data

<p>Attach completed form here:</p>	<div style="border: 1px dashed black; padding: 5px;"> <p>File 1: supplemental_data_app..pdf</p> </div>
------------------------------------	--

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 style="border: 1px dashed black; padding: 10px;"> <p>File 1: 2026-01-14_Tilford_Terry__Melissa_SITE_-_B_24X36.pdf</p> <p>File 2: 25-191B_Grandt_Builders_Cert_11-3-25.pdf</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 style="border: 1px dashed black; padding: 10px;"> <p>File 1: 2025-12-23_Tilford_Terry__Melissa_24x36.pdf</p> </div>
--	--

Certificate of Septic Compliance

<p>Attach a copy of one of the following, if applicable:</p> <ul style="list-style-type: none"> - A current compliance inspection on an existing septic system. - A design for a new/replacement septic system. 	<div style="border: 1px dashed black; padding: 10px;"> <p>File 1: existing_cabin.pdf</p> </div>
---	---

Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [shoreline_performance.pdf](#)

Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

File 1:  [Erosion_control_plan_checklist.pdf](#)

Property Deed

Attach the property deed:

File 1:  [property_deed_2.pdf](#)

File 2:  [property_deed.pdf](#)

Other

Attach "Other" information (if necessary):

File 1:  [survey_with_erosion_control.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 #68542 (01/23/2026) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 01/23/2026 3:09 PM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 01/23/2026 3:09 PM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 01/23/2026			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature accepted

Failed to send [Variance Ready for Action](#) notification to:**Approvals**

Approval	Signature
----------	-----------

Applicant	Shane Donovan - 01/26/2026 10:25 AM 73baf4c01e7e2d017ca3e8d900d88b59 4bf000051e15b998849a05ad2c7c5a05
#1 Administrative Review	Kim Burton - 01/26/2026 2:22 PM 86f8e6bf966518538b1285362121a767 e99fe521f8aa24590310d17e3c0e2f9f
#2 Board of Adjustment Approval	

Public Notes

Text:	Will need updated CI prior to building permit issuance,
File(s):	

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
UID #	219577	<i>not applicable</i>
App. #	<input type="text" value="2026-000016"/>	«« 2026-000018
Permit #	<input type="text"/>	«« 2026-0008

[Print View](#)



**AITKIN COUNTY ENVIRONMENTAL SERVICES
PLANNING & ZONING**

Aitkin County Government Center
307 2nd Street NW, Room 219
Aitkin, MN 56431

aitkinpz@aitkincountymn.gov
Phone: 218-927-7342
Fax: 218-927-4372

AUTHORIZED AGENT 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): 32-1-079600

E911 Address
of Property: 17108 540th Ln. McGregor, Mn 55760

Authorized Agent Information:

Agent name: Dale Grandt

Property Owner Information:

Property Owner
Signature:

Date: 01/23/2026

TILFORD LAKE HOME

TILFORD, TERRY & MELISSA



RESIDENTIAL DESIGNER
SAINT JOSEPH, MN
(320)905-5177
sarag@girouxdesignstudio.com

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. SO CORRECTION CAN BE MADE IN A TIMELY MANNER, INCLUDING ANY CHANGES TO PLANS DONE BY STRUCTURAL, MECHANICAL, PLUMBERS, 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.



Grandt Builders
Quality Defined

TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

17108 540th Lane
McGregor, MN



ABBREVIATIONS:

ABV	ABOVE	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MO	MASONRY OPENING
ADD	ADDITIONAL	MICRO	MICRONAVE
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 & B	BOARD & BATTEN	PH	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
DIA	DIMENSION	RT	RUBBER TILE
DN	DOWN	SCHD	SCHEDULE
DN	DISHWASHER	SHWR	SHOWER
EA	EACH	SHLV	SHELVES
ELEC	ELECTRIC(AL)	SIM	SIMILAR
EP	ELECTRICAL PANEL	SC	SOLID CORE
ELEV	ELEVATION	SS	SOLID SURFACE
ENG	ENGINEER	SO	SHEETROCK OPENING
EQ	EQUAL	SPEC	SPECIFICATION(S)
EQUIP	EQUIPMENT	SQ	SQUARE
EXIST	EXISTING	SF	SQUARE FEET
EXT	EXTERIOR	SSTL	STAINLESS STEEL
FOC	FACE OF CONCRETE	STD	STANDARD
FOF	FACE OF FINISH	STL	STEEL
FOS	FACE OF STUDS	STR	STRUCTURAL
FT	FEET OR FOOT	T	TREAD
FIN	FINISH	TO	TOP OF
FLR	FLOOR	TBD	TO BE DETERMINED
FD	FLOOR DRAIN	T&G	TONGUE & GROOVE
FTG	FOOTING	TEMP	TEMPERED, TEMPORARY
FNDN	FOUNDATION	TYP	TYPICAL
FURN	FURNITURE	UC	UNDER COUNTER
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GL	GLASS	VERT	VERTICAL
GBD	GYPSUM BOARD	VIF	VERIFY IN FIELD
GRT RM	GREAT ROOM	VB	VINYL BASE
HVAC	HARDWARE	VCT	VINYL COMPOSITION TILE
	HEATING, VENTILATION & AIR CONDITIONING	W	WASHER
HT	HEIGHT	W/D	WASHER & DRYER
HORZ	HORIZONTAL	WASCOT	WAINSCOT
IN	INCH(ES)	WC	WATER CLOSET
INSL	INSULATE, INSULATION	WIC	WALK IN CLOSET
INT	INTERIOR	WH	WATER HEATER
JST	JOIST	WT	WEIGHT
LAM	LAMINATE	WDM	WINDOW
LVL	LAMINATED VEENER LUMBER	W	WITH
LVT	LUXURY VINYL TILE	W/O	WITHOUT
LTS	LIGHTING	W	WOOD

SYMBOL LEGEND:

= SMOKE DETECTOR

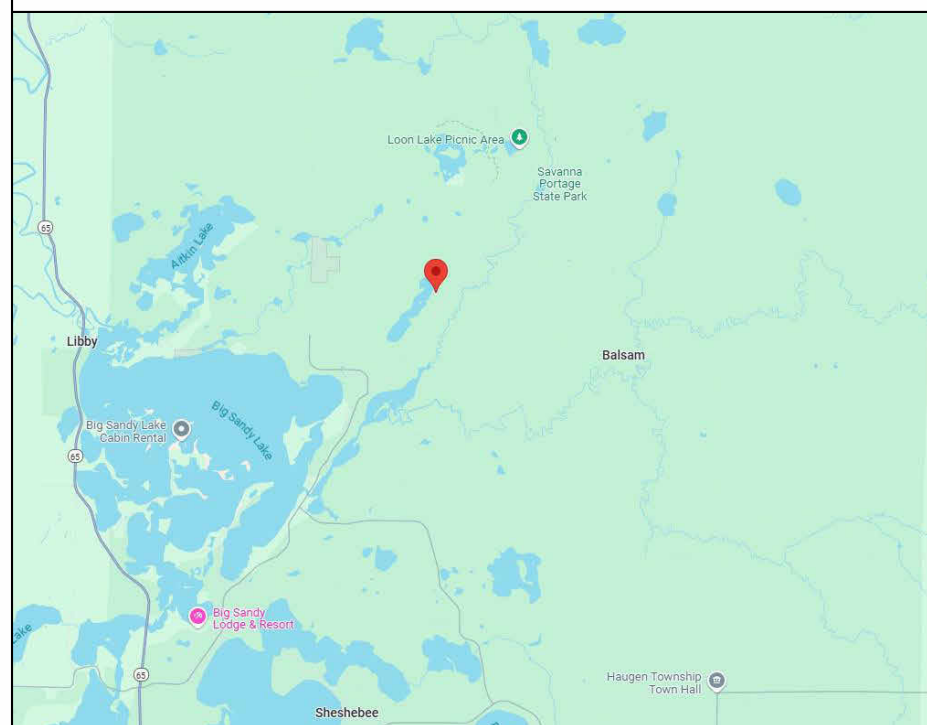
= SMOKE & CARBON DIOXIDE DETECTOR

SQ. FT.

MAIN LEVEL 1645 SF

TOTAL 1645 SF

VICINITY MAP:



SHEET INDEX

A-0.0	COVER SHEET
A-0.1	3D IMAGES
A-1.0	SITE PLAN
A-2.0	FOUNDATION PLAN & DETAILS
A-2.1	FIRST FLOOR PLAN
A-3.0	ROOF PLAN
A-4.0	EXTERIOR ELEVATIONS
A-5.0	BUILDING SECTIONS
A-5.1	WALL SECTIONS
A-6.0	INTERIOR ELEVATIONS
A-7.0	SCHEDULES
A-8.0	CODE

PROJECT NUMBER: 25017

NOT TO SCALE IF PRINTED ON 11X17

COVER SHEET

A-0.0



PRELIMINARY - NOT FOR CONSTRUCTION



RESIDENTIAL DESIGNER
SAINT JOSEPH, MN
(320)905-5177
sarag@girouxdesignstudio.com

DISCLAIMER:
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TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

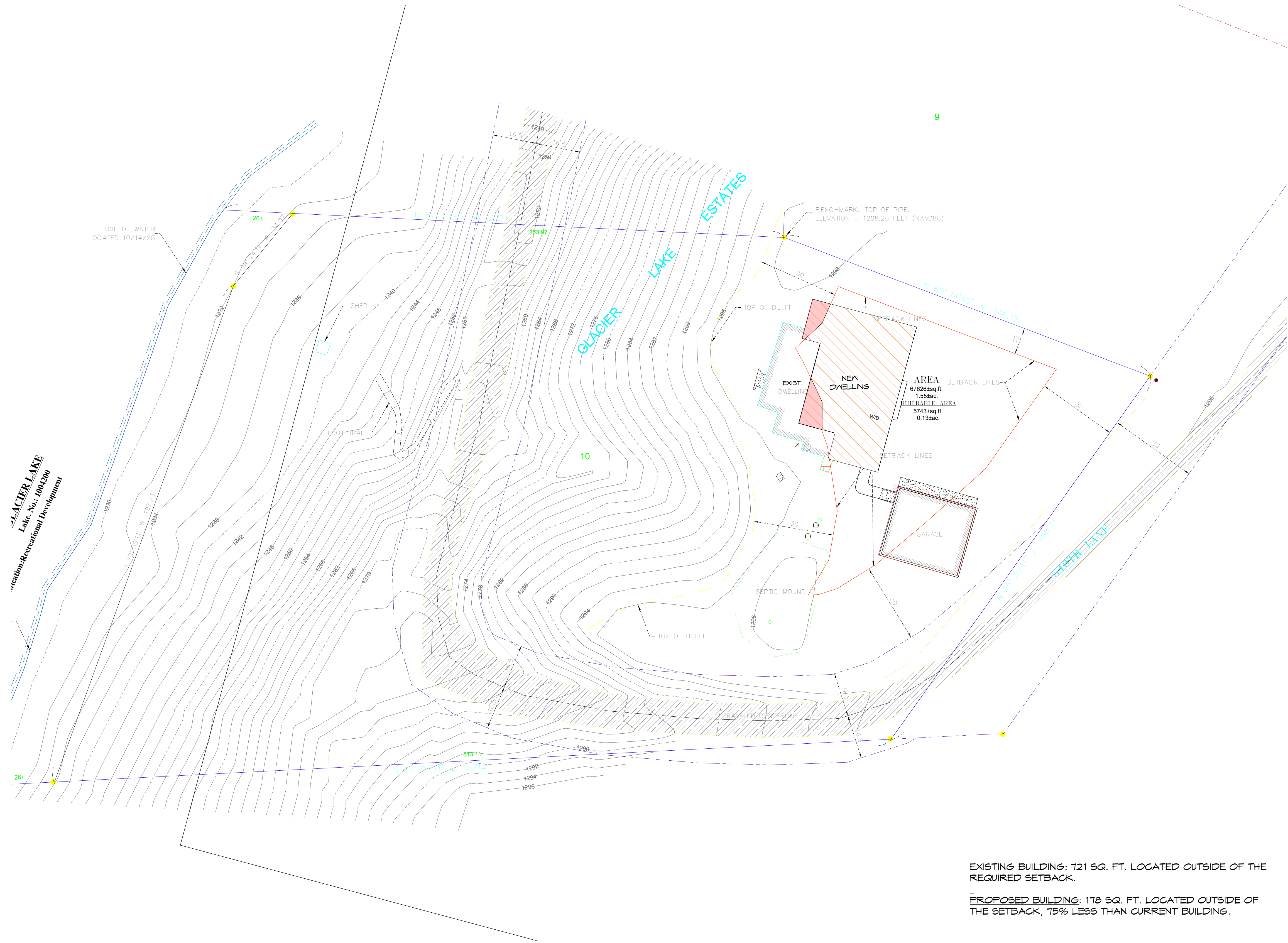
17108 540th Lane
McGregor, MN

PROJECT NUMBER:	25017
DRAWN BY:	SG
PRELIMINARY DATE:	10/06/25
REVISIONS:	
1	10/21/25
2	11/4/25
3	11/7/25
4	12/10/25
5	12/23/25
6	

NOT TO SCALE IF PRINTED ON 11X17

3D IMAGES

A-O.1



EXISTING BUILDING: 721 SQ. FT. LOCATED OUTSIDE OF THE REQUIRED SETBACK.

PROPOSED BUILDING: 178 SQ. FT. LOCATED OUTSIDE OF THE SETBACK, 75% LESS THAN CURRENT BUILDING.



RESIDENTIAL DESIGNER
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TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

17108 540th Lane
McGregor, MN

PROJECT NUMBER:	25017
DRAWN BY:	SG
PRELIMINARY DATE:	10/06/25
REVISIONS:	
1	10/21/25
2	11/4/25
3	11/7/25
4	12/10/25
5	12/23/25
6	
NOT TO SCALE IF PRINTED ON 11X17	

SITE PLAN

A-1.0



RESIDENTIAL DESIGNER
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sarag@girouxdesignstudio.com

DISCLAIMER:
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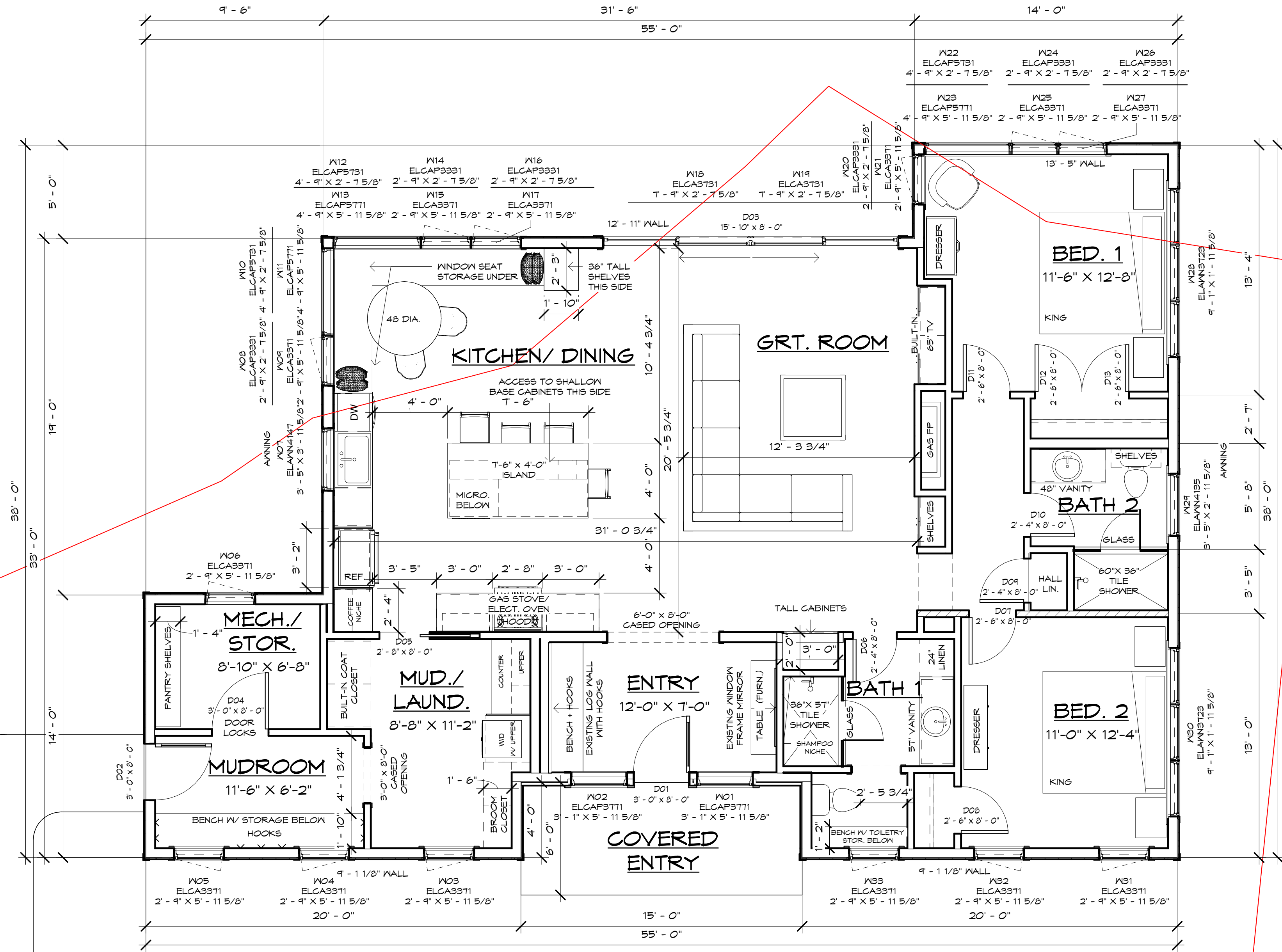
Grandt Builders
Quality Defined

TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

17108 540th Lane
McGregor, MN

PRELIMINARY - NOT FOR CONSTRUCTION



1 FIRST FLOOR PLAN
1/4" = 1'-0"

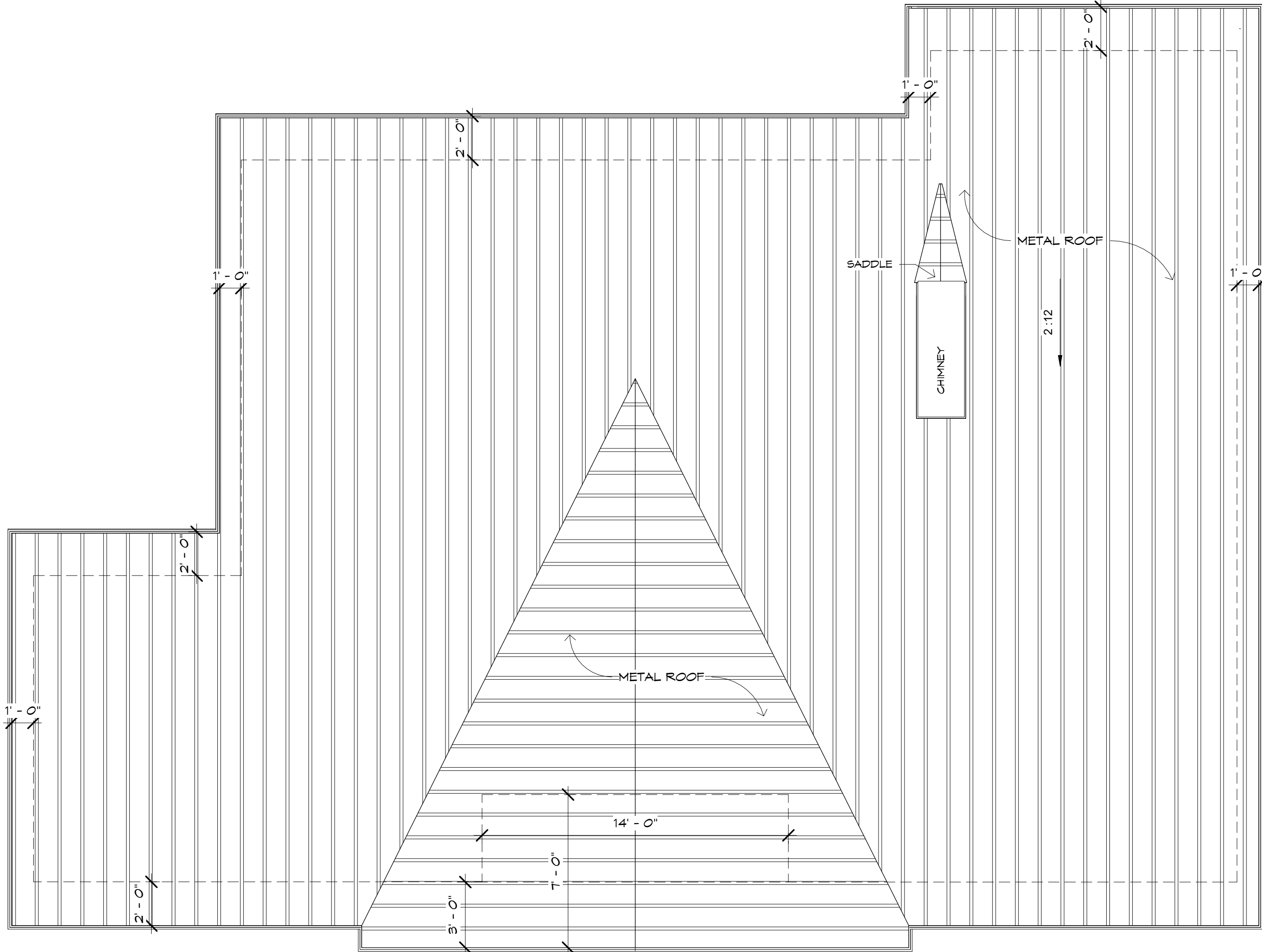
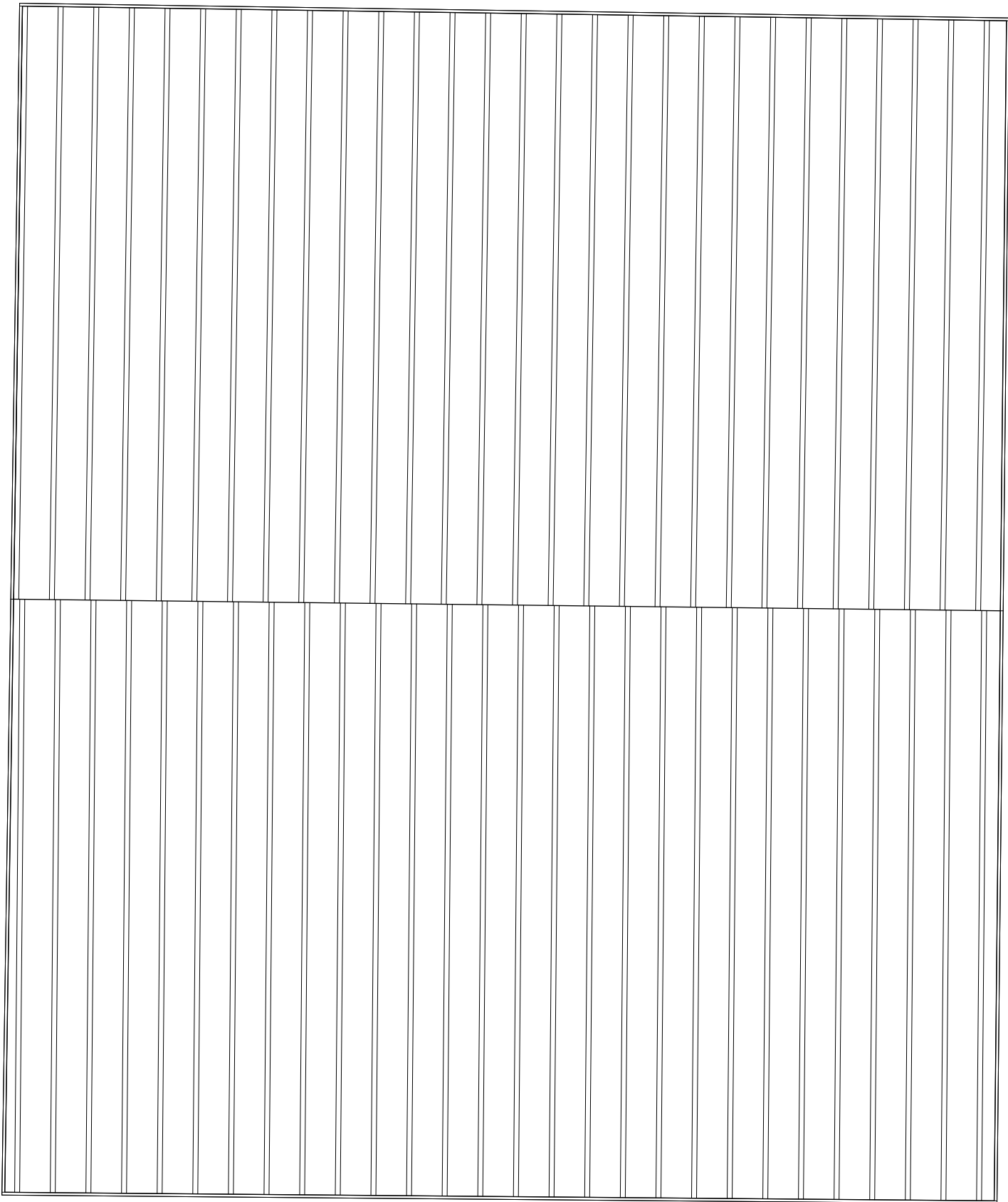
SQ. FT.	
MAIN LEVEL	1645 SF
TOTAL	1645 SF

EXISTING
GARAGE

SETBACK

FIRST FLOOR PLAN

A-2.1



① ROOF PLAN
1/4" = 1'-0"

1. ROOF TRUSS DESIGN TO BE VERIFIED BY MANUFACTURE PRIOR TO CONSTRUCTION
2. ALL TRUSSES ARE TO BE ENGINEERED & INSTALLED PER TRUSS MANUFACTURER SPECS.
3. TRUSS MANUFACTURER TO VERIFY HEADER/BEAM SIZES AND POINT LOADS AT GIRDERS.
4. ROOF VENTILATION PER CODE IRC SECTION - R806
5. 24" MIN. VALLEY TIN ICE AND WATER UP ALL VALLEYS

PRELIMINARY - NOT FOR CONSTRUCTION



RESIDENTIAL DESIGNER
SAINT JOSEPH, MN
(320)905-5177
sarag@girouxdesignstudio.com

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TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

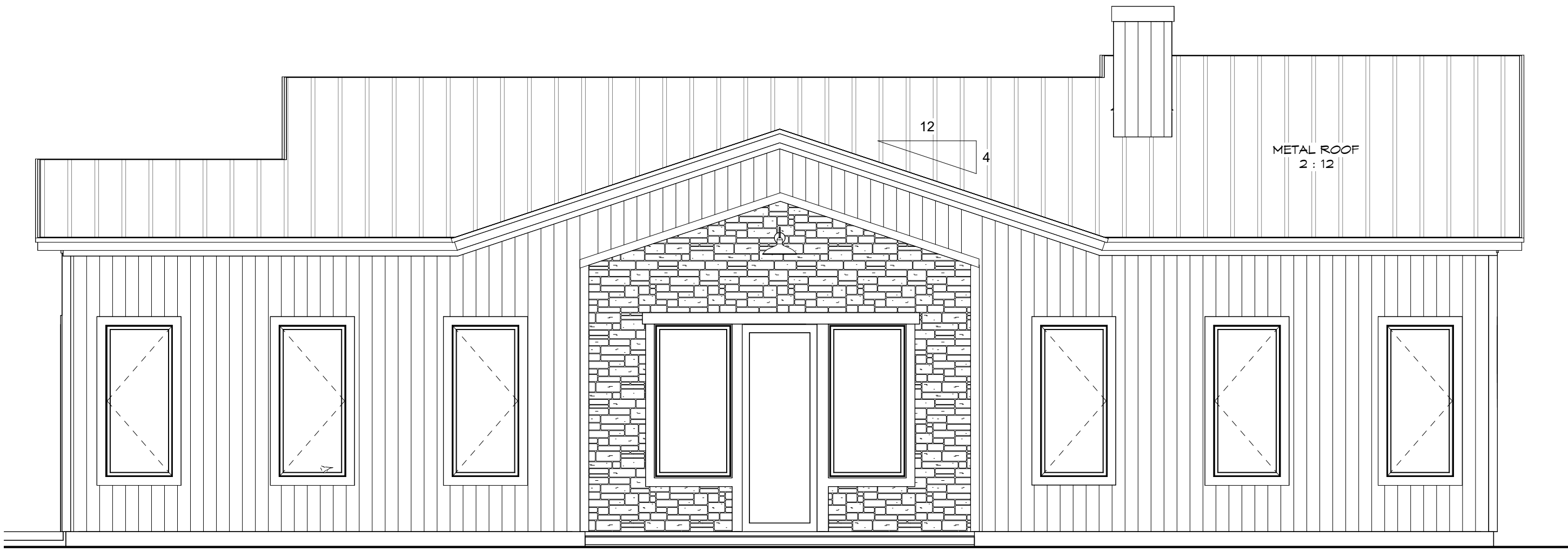
17108 540th Lane
McGregor, MN

PROJECT NUMBER:	25017
DRAWN BY:	SG
PRELIMINARY DATE:	10/06/25
REVISIONS:	
1	10/21/25
2	11/4/25
3	11/7/25
4	12/10/25
5	12/23/25
6	

NOT TO SCALE IF PRINTED ON 11X17

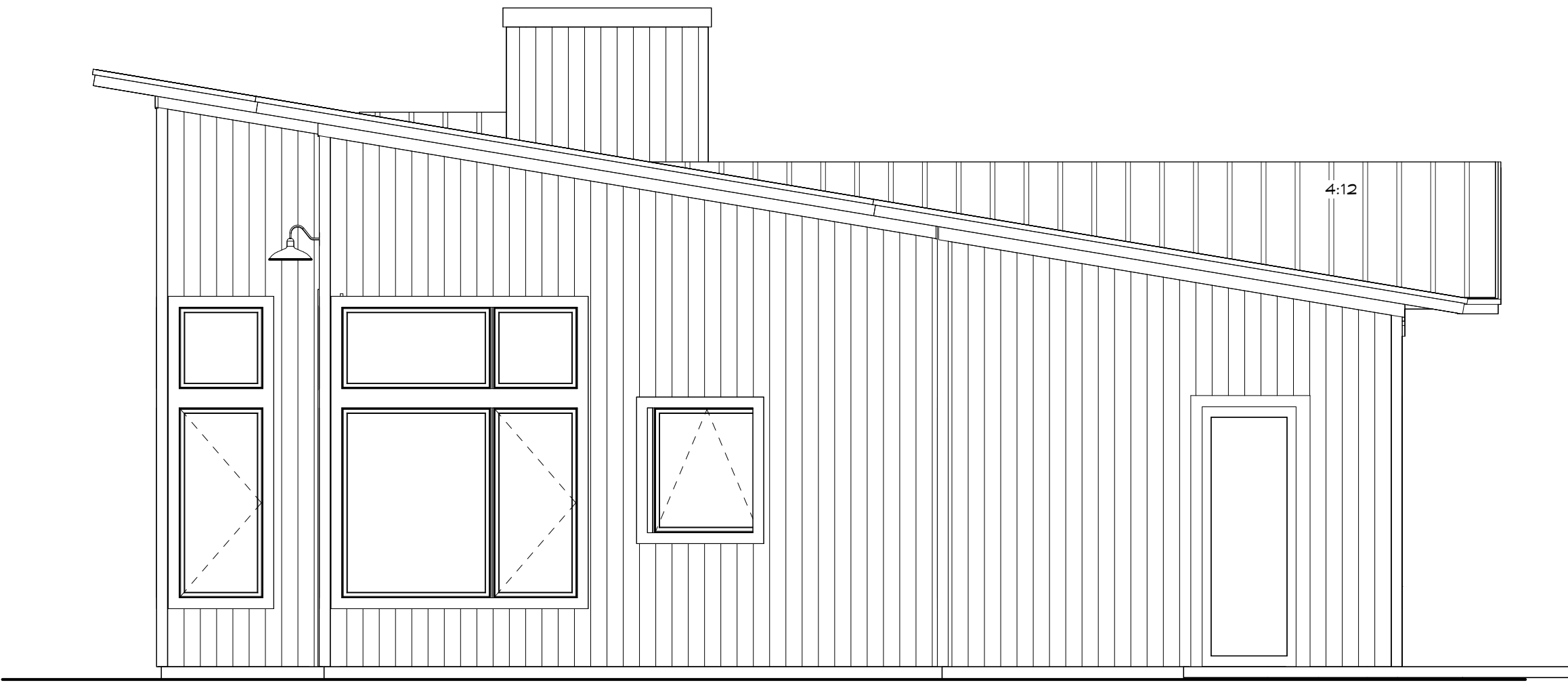
ROOF PLAN

A-3.0



MIN. 6" WOOD/EARTH SEPARATION REQ'D
MIN. SLOPE OF 6" IN FIRST 10".

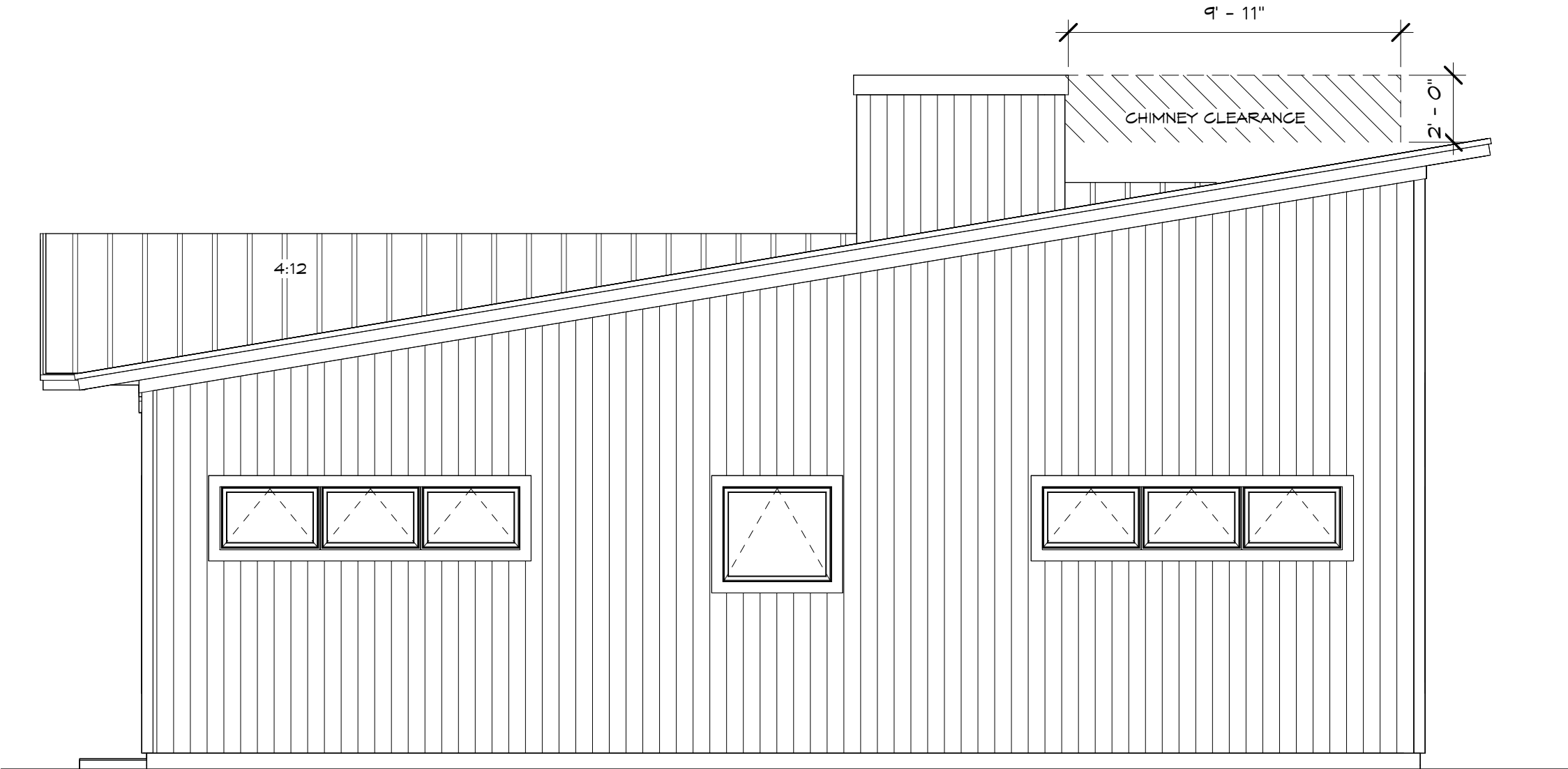
1 FRONT ELEVATION
1/4" = 1'-0"



2 LEFT ELEVATION
1/4" = 1'-0"



3 REAR ELEVATION
1/4" = 1'-0"



4 RIGHT ELEVATION
1/4" = 1'-0"



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TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

17108 540th Lane
McGregor, MN

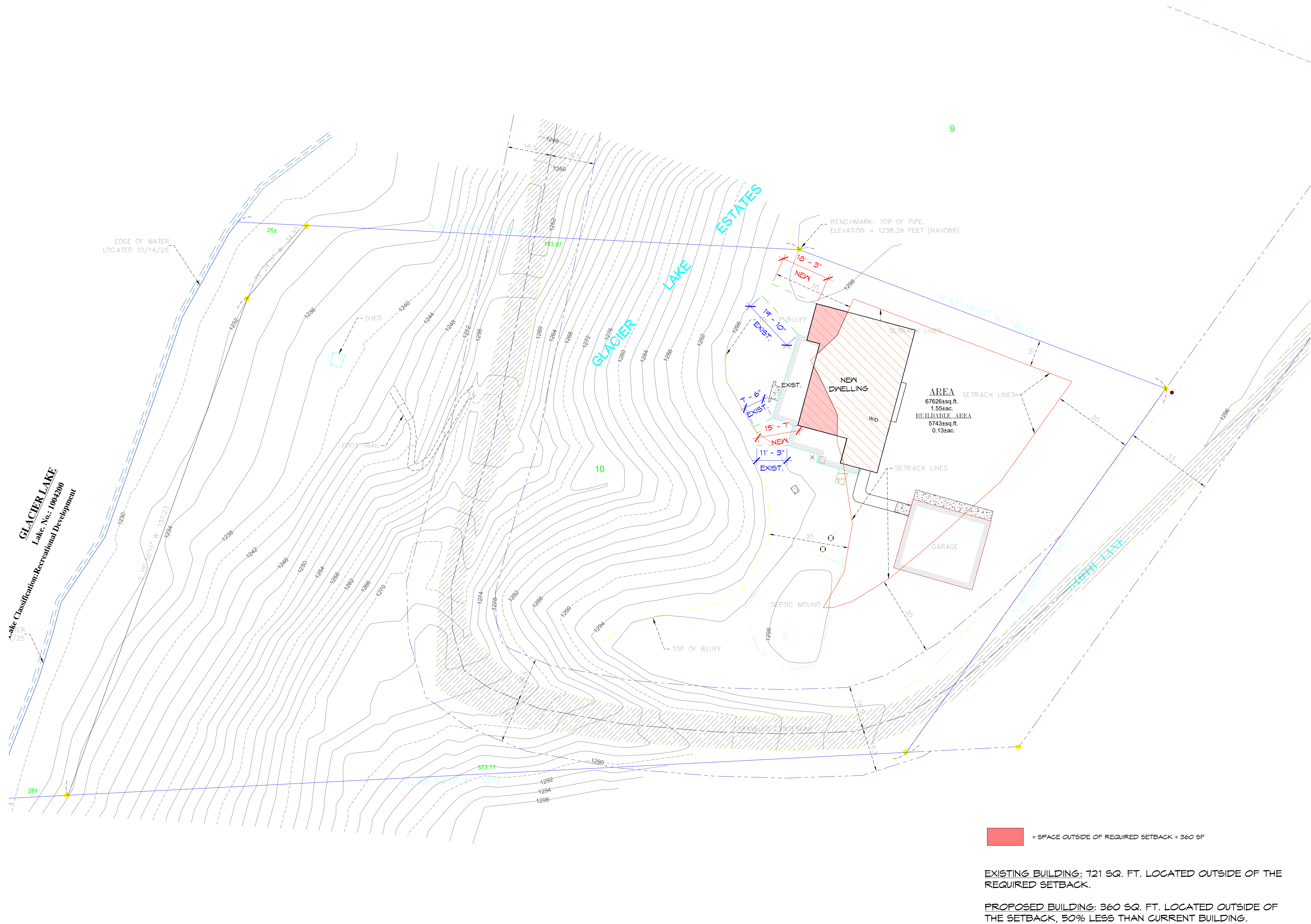
PROJECT NUMBER: 25017
DRAWN BY: SG
PRELIMINARY DATE: 10/06/25

REVISIONS:	
1	10/21/25
2	11/4/25
3	11/7/25
4	12/10/25
5	12/23/25
6	

NOT TO SCALE IF PRINTED ON 11X17

EXTERIOR ELEVATIONS

A-4.0



1 SITE PLAN
1" = 20'-0"



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TILFORD LAKE HOME

TILFORD, TERRY & MELISSA

17108 540th Lane
McGregor, MN

PROJECT NUMBER:	25017
DRAWN BY:	SG
PRELIMINARY DATE:	10/06/25
REVISIONS:	
1	10/21/25 1/14/26
2	11/4/25
3	11/7/25
4	12/10/25
5	12/23/25
6	1/12/26

NOT TO SCALE IF PRINTED ON 11X17

SITE PLAN

A-1.0

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

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 checked="" type="checkbox"/> One Story Level |
| <input type="checkbox"/> Crawlspace | <input type="checkbox"/> Story-and-a-Half Level |
| <input type="checkbox"/> Walk-out Basement | <input type="checkbox"/> 2 nd Story Level |
| Proposed # of Bedrooms <u>2</u> | Proposed Structure Height <u>16</u> ft. |
| Existing Total Building Coverage <u>2.7</u> % | Proposed Total Building Coverage <u>3.6</u> % |
| Existing Total Impervious Surface Coverage <u>10.3</u> % | Proposed Total Impervious Surface Coverage <u>11.1</u> % |

"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):

1645 SF 2 Bed 2 Bath w/ Covered Entry

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) Single Story, 2 Bed
2 Bath House

<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 checked="" type="checkbox"/> Bluff	Proposed Setback <u>15</u> ft. <u>7"</u>
<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
☐ 2nd 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
☐ 2nd Story Level

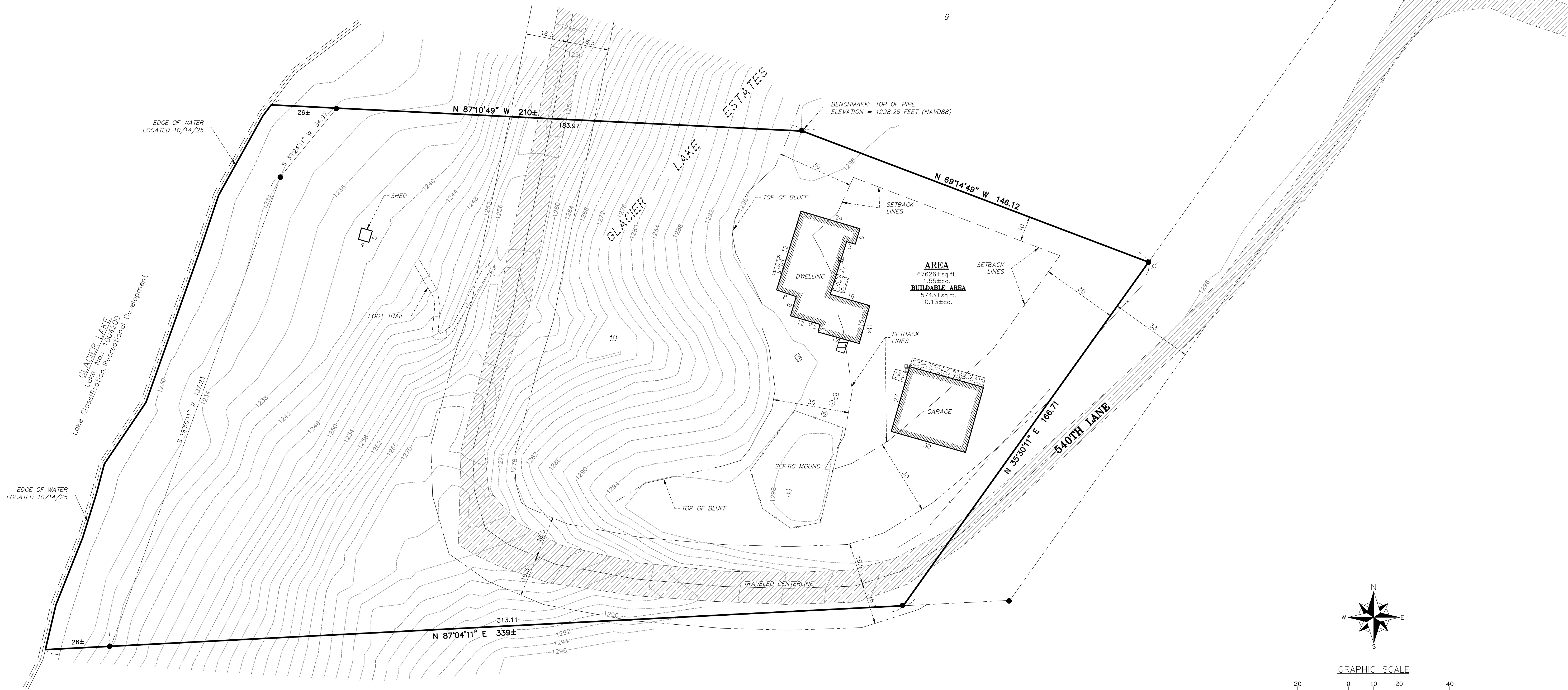
Proposed Addition(s) Height _____ ft.
 Final # of bedrooms after remodel _____
 Proposed Building Coverage _____ %
 Proposed Total Impervious Surface Coverage _____ %

"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):

CERTIFICATE OF SURVEY



DESCRIPTION – (Parcel No.: 32–1–079600)
Lot Ten (10) GLACIER LAKE ESTATES, Aitkin County, Minnesota.

SURVEYOR'S NOTES:

- Bearing Orientation: Aitkin County coordinate system (NAD83).
- Vertical elevation and datum based on GSID Sta# 39783 (Turner MN001). Elevation = 1244.12 feet (NAVD88).
- The field survey was completed on 10/14/2025.
- 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.
- Wetlands may exist on subject property but were not identified in the preparation of this survey.
- 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.
- Property Zoning: Shoreland
- Setback Requirements: OHW (RD) = 100 feet Top of Bluff = 30 feet R–O–W = 30 feet Property Line = 10 feet
- It is the client's responsibility to verify zoning and setback requirements prior to construction or improving your property.

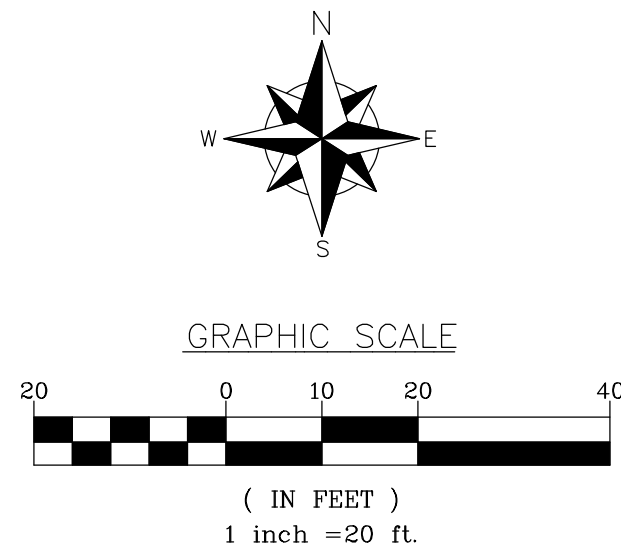
IMPERVIOUS SURFACE:

EXISTING

Parcel Area = 67626 sq ft

Dwelling = 1060 sq ft
Garage = 810 sq ft
Shed = 20 sq ft
Concrete Surface = 190 sq ft
Gravel Surface = 4454 sq ft
Deck = 18 sq ft
2 Bed Septic = 380 sq ft
Total Impervious Surface = 6932 sq ft

6932/67626 = 0.103
Existing Impervious Surface = 10.3%



LEGEND

- DENOTES 1/2 INCH IRON PIPE SET AND MARKED WITH RLS 59285 CAP.
- DENOTES FOUND SURVEY MONUMENT
- ⊕ DENOTES ELECTRIC METER
- ⊙ DENOTES UTILITY POLE
- ⊗ DENOTES SEPTIC MANHOLE
- ⊙ DENOTES SEPTIC CLEANOUT
- ⊕ DENOTES FENCE
- ▨ DENOTES GRAVEL SURFACE
- ▩ DENOTES CONCRETE SURFACE

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 3rd day of November 2025

By: Jared A. Spald, Minnesota License No. 59285



BOUNDARY SURVEY
Lot 10
GLACIER LAKE ESTATES
Aitkin County, MN

CLIENT: Grandt Builders Ltd.
(Client: Tilford)
Property Address:
17108 540th Ln
McGregor, MN 55760

DRAWN BY:	KDG	CHECKED BY:	JAS
CREW	J.S. KG	JOB NUMBER:	25-191B
NO.	DATE	BY	REVISION DESCRIPTION























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: 30'
- 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: 15'
- 4) Enter the corresponding 'Score Multiplier' 4: 3.33
- 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: 50

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 (30' setback)	Score Multiplier Sidelot (10' setback)
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) 50 + Mitigation Totals (Lines A-I) 50 = 100

*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

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.
- N/A* ☐ 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

- N/A* ☐ 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.

- N/A* ☐ Location of sediment barriers around on-site storm sewer inlets.

- N/A* ☐ 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.

- N/A* ☐ 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.

- N/A* ☐ 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.

N/A

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: _____

• 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.

N/A

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.

N/A

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 17108 540th Ln. McGregor, Mn

Builder Grandt Builders Owner Terry + Melissa T: 1504

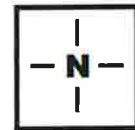
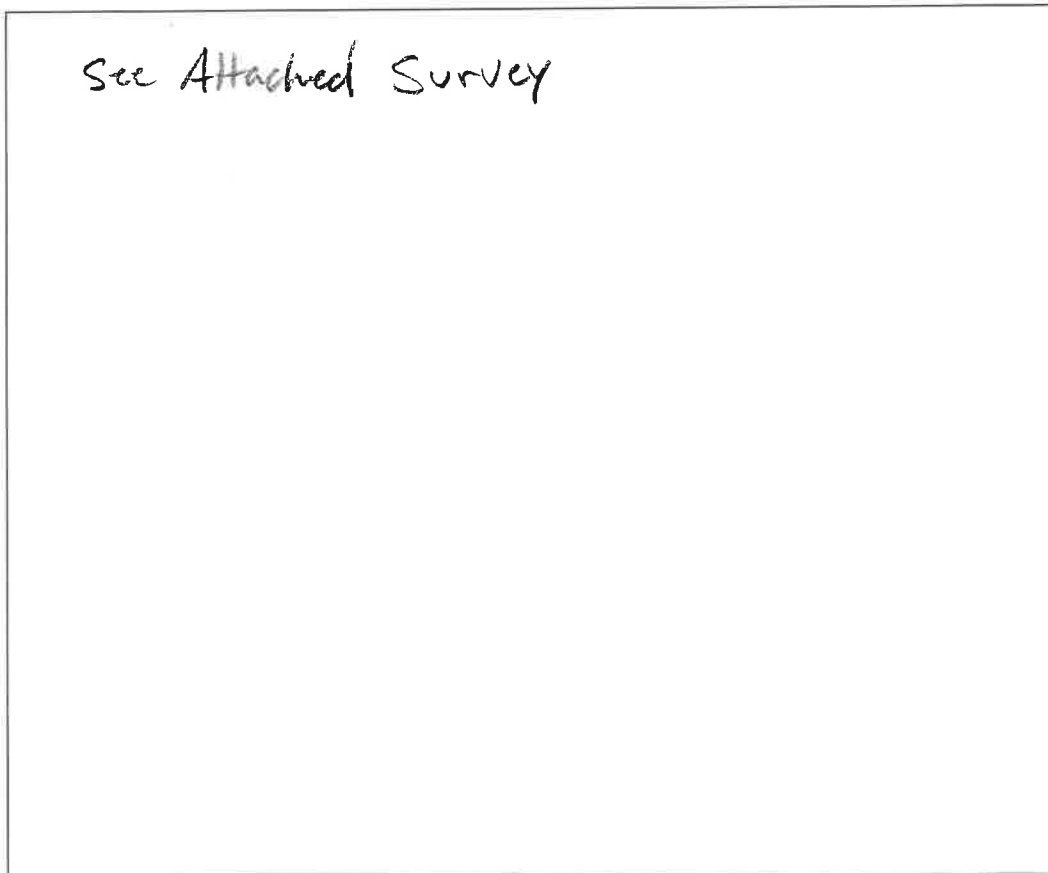
Worksheet Completed By Shane Donovan Date 1/23/26

Amount of earthen material to be excavated and/or used for fill _____ 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 symbol] GRAVEL
- [Vegetation symbol] VEGETATION SPECIFICATION
- [Tree symbol] TREE PRESERVATION
- [Stockpiled soil symbol] STOCKPILED SOIL

→ Lot 10, Glacier Lake Estates, according to the recorded plat thereof, and situate in County, Minnesota. Together with a roadway easement to be used in common with other owners in said addition over and across Lots 8, 9 and 10, described as follows:

→ A strip of land 20 feet in width for roadway purposes over and across Lots 8, 9 and 10, Glacier Lake Estates, Aitkin County, Minn., the center line of which is described as follows:

Beginning at a point on the Easterly line of said Lot 10, with its intersection with a line parallel with and 10 feet North of the South line of said Lot 10; thence West along said parallel line a distance of 192.87 feet; thence N. 15 degrees 40 minutes E., a distance of 361.33 feet; thence N. 3 degrees 15 minutes 30 seconds W., a distance of 109.84 feet to a point on the South line of Outlot A., in said Glacier Lake Estates, 126.22 feet West of the Southeast corner thereof and there terminating;

→ Also together with the right of ingress and egress to the property herein purchased over a strip of land 33 feet in width over and across the North 400 feet of Gov. Lot 1, Sec. 26, Twp. 50, Rge. 23 and the NW/4 of NW1/4, Sec. 25, Twp. 50, Rge. 23 all in Aitkin County, Minn., the center line of which is described as follows:

Beginning at a point on the Southeasterly right of way line of Glacier Lake Drive, as of record on the plat of Glacier Lake Estates, in the office of the Register of Deeds, Aitkin County, Minnesota, distant 200 feet Southwesterly from the North line of said Sec. 26, as measured along the Southeasterly right of way of said Glacier Lake Drive; thence S. 65 degrees 30 minutes E., 75 feet; thence N. 86 degrees 30 minutes E. 110.0 feet; thence S. 71 degrees E. 160.0 feet; thence N. 79 degrees 30 minutes E., 75.0 feet; thence N. 68 degrees E. 150.0 feet; thence S. 69 degrees E., 120.0 feet; thence S. 51 degrees E., 105.0 feet; thence S. 42 degrees 30 minutes E., 110.0 feet; thence S. 37 degrees E., 238.0 feet, more or less, to the center of County State Aid Highway No. 36, and there terminating

Abstract Property.

Form No. 1003—Certificate of Acknowledgment

Miller-Davis Co., Minneapolis

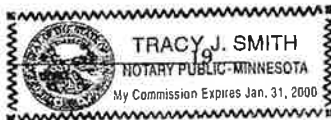
STATE OF

Minnesota

County of

HennepinOn this 15th day of September A.D. 1995, before me, aNotary Public within and for said County, personally appearedStephen Traversen, married to Nancy Traversento me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

My commission expires



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

COUNTY RECORDER
AITKIN COUNTY, MINNESOTA

FILED

SEP 20 95 AM

Count Davis
As Doc. No. 292269

5/15/95
Blond 9/16
2005 9/16/95
Walt 9/16/95
1002-9

RECORDED
TRACT INDEX
GRANTOR
GRANTEE
COMPARED

No delinquent taxes and transfer entered; Certificate
of Real Estate Value (X) filed () not required
Certificate of Real Estate Value No. 22743
September 20, 1995

Alice Ostler
County Auditor
by Maria Burman
Deputy

292269

FILED SEP 20 1995 AT 9AM

Everett Davies, County Recorder

STATE DEED TAX DUE HEREON: \$ 198.00

Date: September 15, 1995

(reserved for recording data)

FOR VALUABLE CONSIDERATION, Stephen Frauenshuh and Nancy Frauenshuh
husband and wife (marital status) , Grantor (s),

hereby convey (s) and warrant (s) to Terence C. Tilford, Grantee (s),
real property in AITKIN County, Minnesota, described as follows:

→ See Exhibit -A

AITKIN COUNTY DEED TAX

No 137 Date 9-20-95
198.00
John J. [unclear]
County Recorder
By M. [unclear] Deputy

(if more space is needed, continue on back)

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

advis. Deed Tax Stamp Here

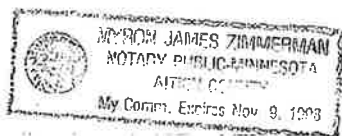
Stephen Frauenshuh
STEPHEN FRAUENSHUH

Nancy Frauenshuh
NANCY FRAUENSHUH

STATE OF MINNESOTA }
COUNTY OF Aitkin } ss.

The foregoing instrument was acknowledged before me this 14 day of Sept, 1995,
by Nancy Frauenshuh, married to Stephen Frauenshuh, Grantor (s).

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK)



THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS)

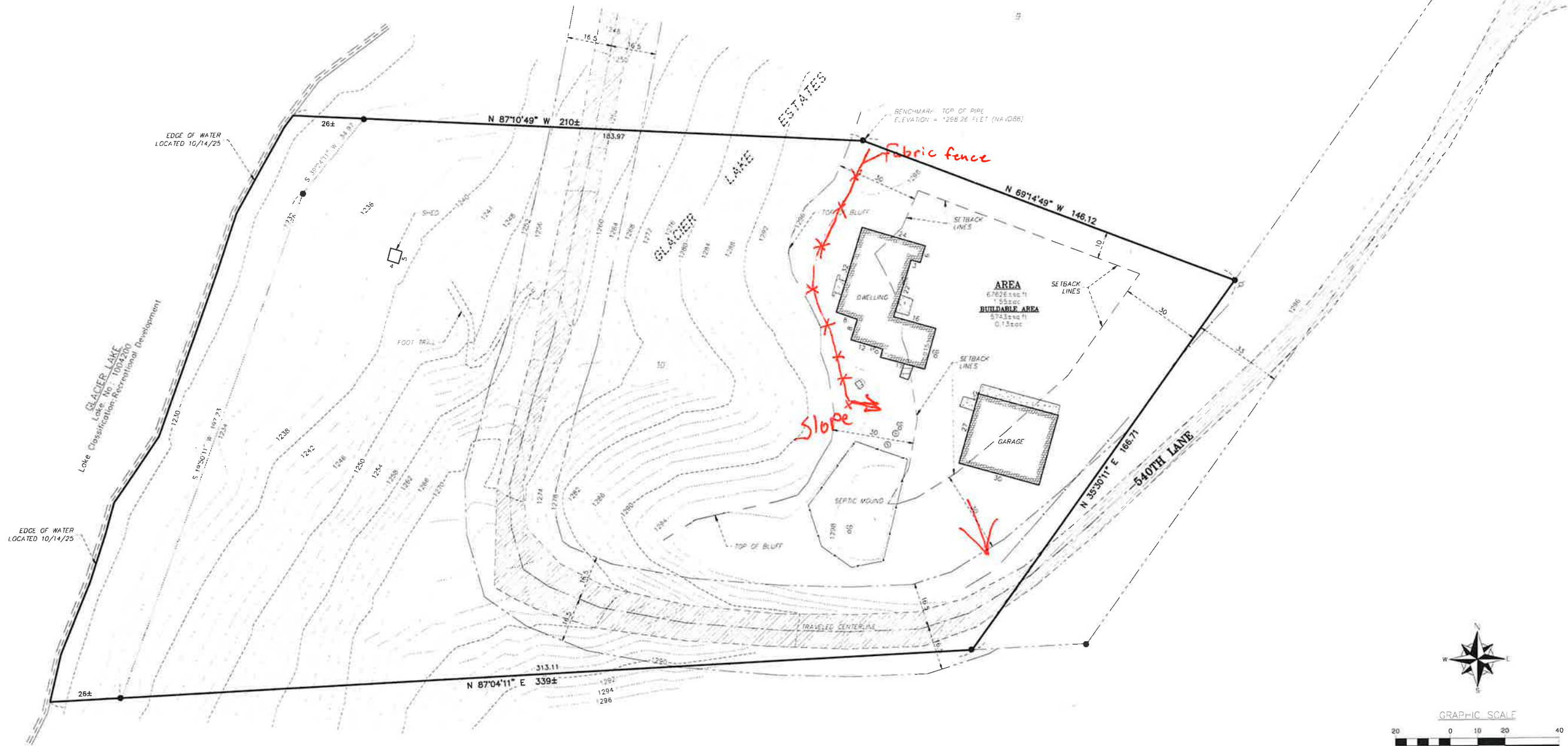
EDGEWATER REALTY PARTNERS
BOX 365
MCGREGOR, MN. 55760
MYRON ZIMMERMAN-BROKER

Myron J. Zimmerman
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):

TERENCE C. TILFORD
8500 ALDRICH AVE. SO.
BLOOMINGTON, MN. 55420

CERTIFICATE OF SURVEY



DESCRIPTION - (Parcel No.: 32-1-079600)
Lot Ten (10) GLACIER LAKE ESTATES, Aitkin County, Minnesota.

SURVEYOR'S NOTES:

- Bearing Orientation: Aitkin County coordinate system (NAD83).
- Vertical elevation and datum based on GSID Sta# 397B3 (Turner MNG01). Elevation = 1244.12 feet (NAVD88).
- The field survey was completed on 10/14/2025.
- 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.
- Wetlands may exist on subject property but were not identified in the preparation of this survey.
- 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.
- Property Zoning: Shoreland
- Setback Requirements: OHW (RD) = 100 feet Top of Bluff = 30 feet R-O-W = 30 feet Property Line = 10 feet
- It is the client's responsibility to verify zoning and setback requirements prior to construction or improving your property.

IMPERVIOUS SURFACE	
EXISTING	
Parcel Area = 6,762.60 sq. ft.	
Dwelling = 1,060 sq. ft.	1045
Garage = 810 sq. ft.	
Deck = 20 sq. ft.	
Concrete Surface = 190 sq. ft.	
Gravel Surface = 4,454 sq. ft.	
Deck = 18 sq. ft.	
2 Bed Septic = 380 sq. ft.	
Total Impervious Surface = 6,932 sq. ft.	
6932/67626 = 0.102	
Existing Impervious Surface = 10.2%	

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 17th day of November, 2025.
By: Jared A. Spaul, Minnesota License No. 49785



CLIENT: Grandt Builders Ltd.
(Client: Tilford)
Property Address:
17108 540th Ln
McGregor, MN 55760

DRAWN BY	KOD	CHECKED BY	JAS
DATE	10/14/25	DATE	10/14/25
BY	JAS	BY	JAS
DATE	10/14/25	DATE	10/14/25
BY	JAS	BY	JAS
DATE	10/14/25	DATE	10/14/25

Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	11-0-025601	44146 Tame Fish Lake Rd AITKIN, MN 56431	HAZELTON TWP	MEEHAN, JOHN C & CLAUDIA C TRUSTEES	MEEHAN, JOHN C & CLAUDIA C TRUSTEES	PART OF LOT 3 N OF ROAD LESS CO RD ROW & LESS E 727.21 FT		S:8 T:45 R:27	RD	FARM ISLAND LAKE

Driving directions to the proposed project from Aitkin:	Head south on 169 out of Aitkin, turn west onto Tame Fish Lake Road. Continue until you reach 44146 on the north side of Tame fish lake 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):	Requesting a variance for a 30x40 pole building without living quarters. The existing 26x38 building sits 57' from the OHW, we would like to tear this down and attach it to the existing 30x40 pole building sitting 58' from the OHW. Connecting these two buildings we would raise the wall height from 8' to 12' while still being within the setback lines to the wetlands south of these buildings.
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	5.21 Placement of Structures on Lots

Supplemental Data

Attach completed form here:	File 1: supplemental_data_app..pdf
-----------------------------	--

A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<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>
Attach a Scaled Drawing or Survey:	File 1: 12_side_wall_sketch.pdf File 2: 22-012B_Grandt_Builders_Cert_1-28-26.pdf

Side Profile Sketch of the Structure

Attach a side profile sketch of your proposed structure or addition here (if applicable):	File 1: side_sketch.pdf
---	---

Certificate of Septic Compliance

Attach a copy of one of the following, if applicable:

- A current compliance inspection on an existing septic system.
- A design for a new/replacement septic system.

File 1:  [22-012B_Grandt_Builders_Cert_1-28-26.pdf](#)

Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [1352_001.pdf](#)

Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

File 1:  [erosion_control_plan_checklist.pdf](#)

File 2:  [erosion_control_survey.pdf](#)

Property Deed

Attach the property deed:

File 1:  [contract_deed_1.pdf](#)

File 2:  [contract_deed_2.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 #68641 (01/28/2026) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 01/28/2026 3:15 PM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 01/28/2026 3:15 PM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 01/28/2026			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature replaced

Approvals

Approval	Signature
----------	-----------

Applicant	Shane Donovan - 01/28/2026 3:25 PM 03848de1a79b6efbfd5553eb727d1d51 1fa7bf904626e21c4c5386ebc993e997
#1 Administrative Review	Kim Burton - 02/04/2026 12:56 PM 53ccbac3287bbf3785a8b60a8477ae01 c026e3494a1b0d6688e89e9ac863b283
#2 Board of Adjustment Approval	

Public Notes

Text:	<div></div>
File(s):	<div></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
UID #	219709	<i>not applicable</i>
App. #	<input type="text" value="2026-000018"/>	«« 2026-000022
Permit #	<input type="text"/>	«« 2026-0016

[Print View](#)



**AITKIN COUNTY ENVIRONMENTAL SERVICES
PLANNING & ZONING**

Aitkin County Government Center
307 2nd Street NW, Room 219
Aitkin, MN 56431

aitkinpz@aitkincountymn.gov
Phone: 218-927-7342
Fax: 218-927-4372

AUTHORIZED AGENT 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): 11-0-025601

E911 Address
of Property: 44146 Tame Fish Lake Road Aitkin, MN 56431

Authorized Agent Information:

Agent name: Dale Grandt

Property Owner Information:

Property Owner
Signature:

Date:

1-28-26

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

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 checked="" type="checkbox"/> One Story Level |
| <input type="checkbox"/> Crawlspace | <input type="checkbox"/> Story-and-a-Half Level |
| <input type="checkbox"/> Walk-out Basement | <input type="checkbox"/> 2 nd Story Level |
| Proposed # of Bedrooms <u>0</u> | Proposed Structure Height <u>24</u> ft. |
| Existing Total Building Coverage <u>2.47</u> % | Proposed Total Building Coverage <u>2.57</u> % |
| Existing Total Impervious Surface Coverage <u>13</u> % | Proposed Total Impervious Surface Coverage <u>13</u> % |

"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):

36X48 . 1200 S.F. Pole Shed

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) Pole Shed without
living quarters

<input checked="" type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <u>58</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
☐ 2nd 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
☐ 2nd 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):

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.

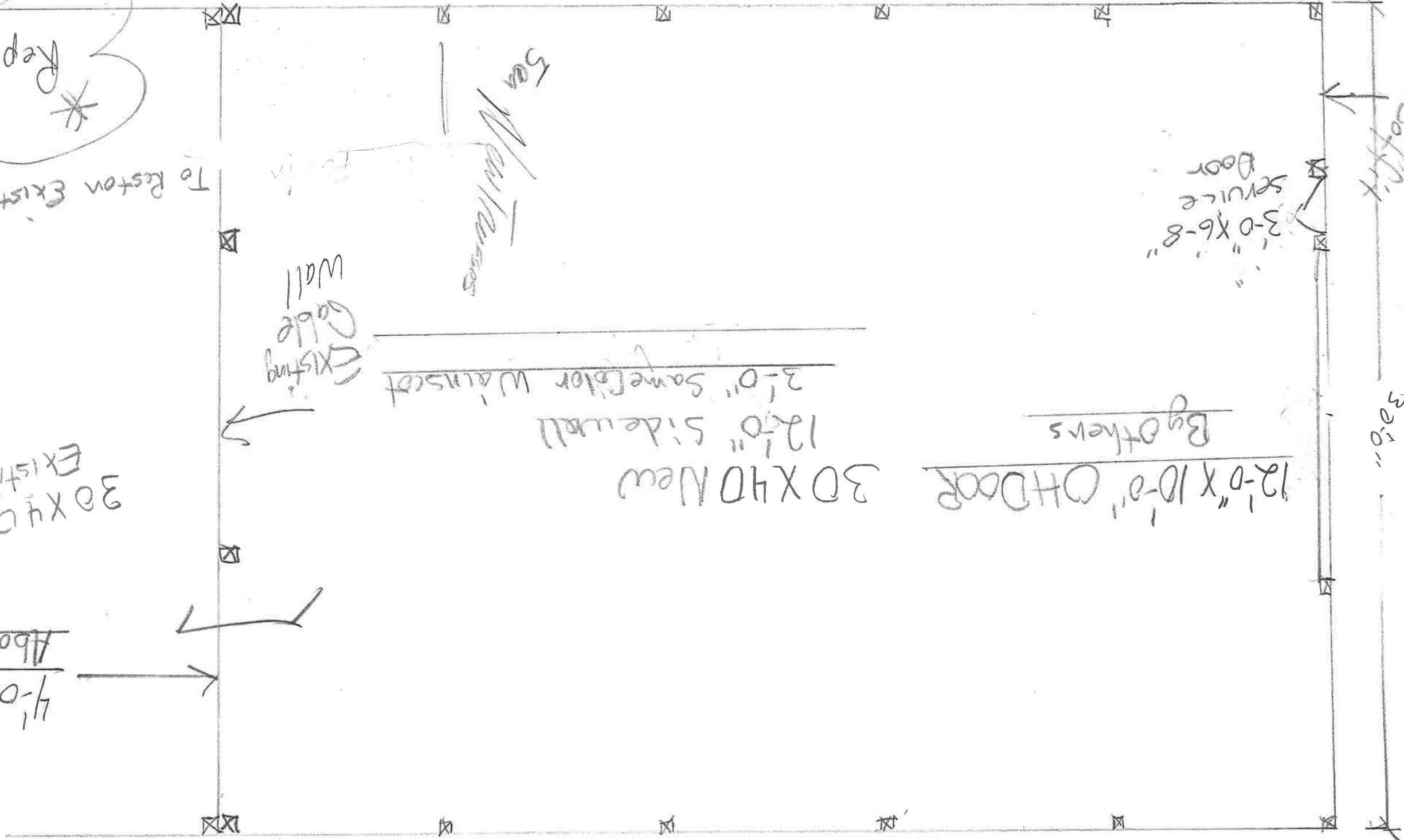
_____ More than 10 cubic yards on steep slopes and shore and bluff impact zones.	Total Cubic Yds. _____
_____ Other: _____	Total Cubic Yds. _____

Section 5 – Creating Nonconforming Lot(s)

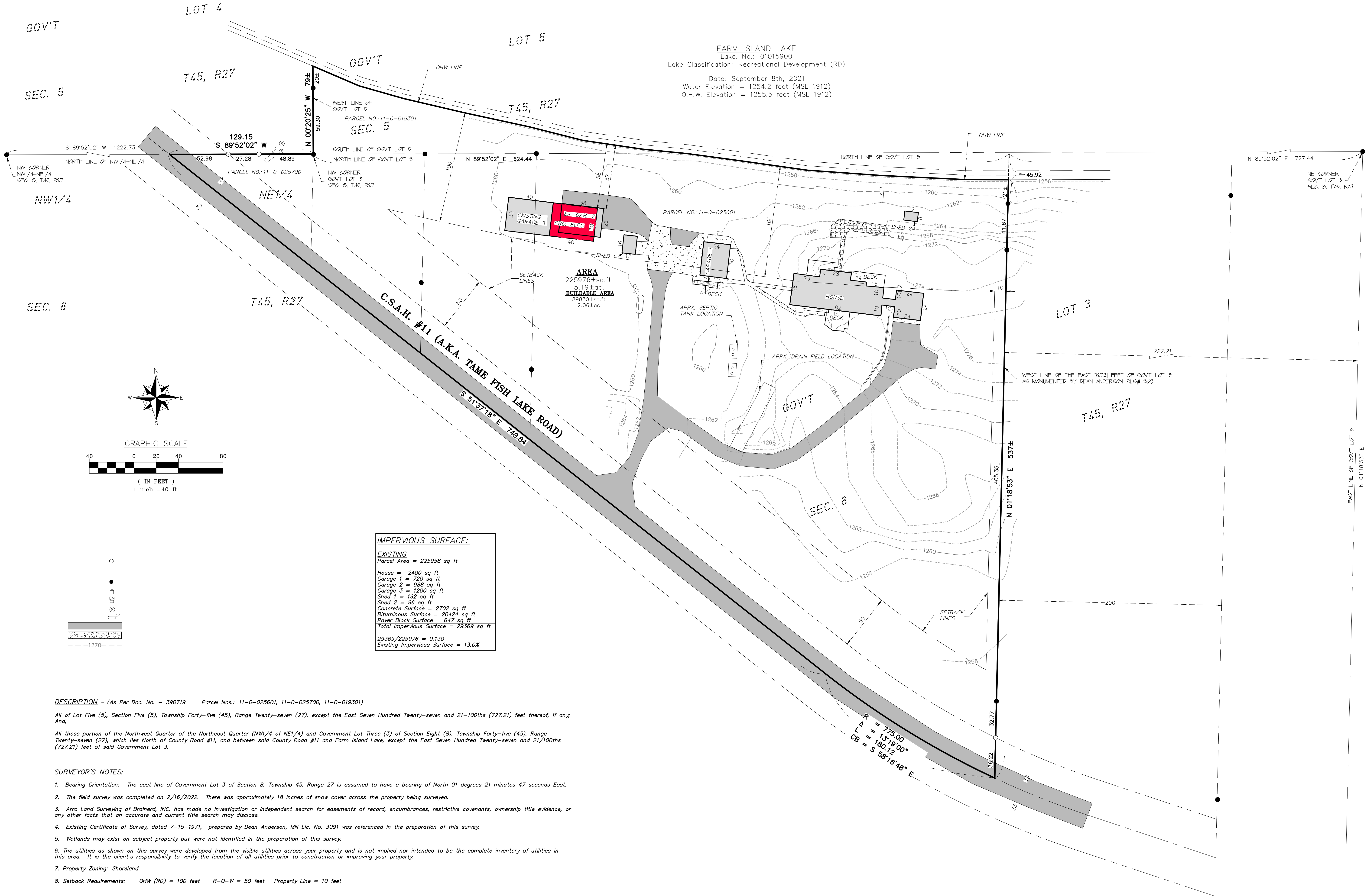
Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

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

40'-0"



CERTIFICATE OF SURVEY



DESCRIPTION - (As Per Doc. No. - 390719 Parcel Nos.: 11-0-025601, 11-0-025700, 11-0-019301)

All of Lot Five (5), Section Five (5), Township Forty-five (45), Range Twenty-seven (27), except the East Seven Hundred Twenty-seven and 21-100ths (727.21) feet thereof, if any; And,

All those portion of the Northwest Quarter of the Northeast Quarter (NW1/4 of NE1/4) and Government Lot Three (3) of Section Eight (8), Township Forty-five (45), Range Twenty-seven (27), which lies North of County Road #11, and between said County Road #11 and Farm Island Lake, except the East Seven Hundred Twenty-seven and 21/100ths (727.21) feet of said Government Lot 3.

SURVEYOR'S NOTES:

- Bearing Orientation: The east line of Government Lot 3 of Section 8, Township 45, Range 27 is assumed to have a bearing of North 01 degrees 21 minutes 47 seconds East.
- The field survey was completed on 2/16/2022. There was approximately 18 inches of snow cover across the property being surveyed.
- 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.
- Existing Certificate of Survey, dated 7-15-1971, prepared by Dean Anderson, MN Lic. No. 3091 was referenced in the preparation of this survey.
- Wetlands may exist on subject property but were not identified in the preparation of this survey.
- 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.
- Property Zoning: Shoreland
- Setback Requirements: OHW (RD) = 100 feet R-O-W = 50 feet Property Line = 10 feet

FARM ISLAND LAKE
Lake No.: 01015900
Lake Classification: Recreational Development (RD)
Date: September 8th, 2021
Water Elevation = 1254.2 feet (MSL 1912)
O.H.W. Elevation = 1255.5 feet (MSL 1912)

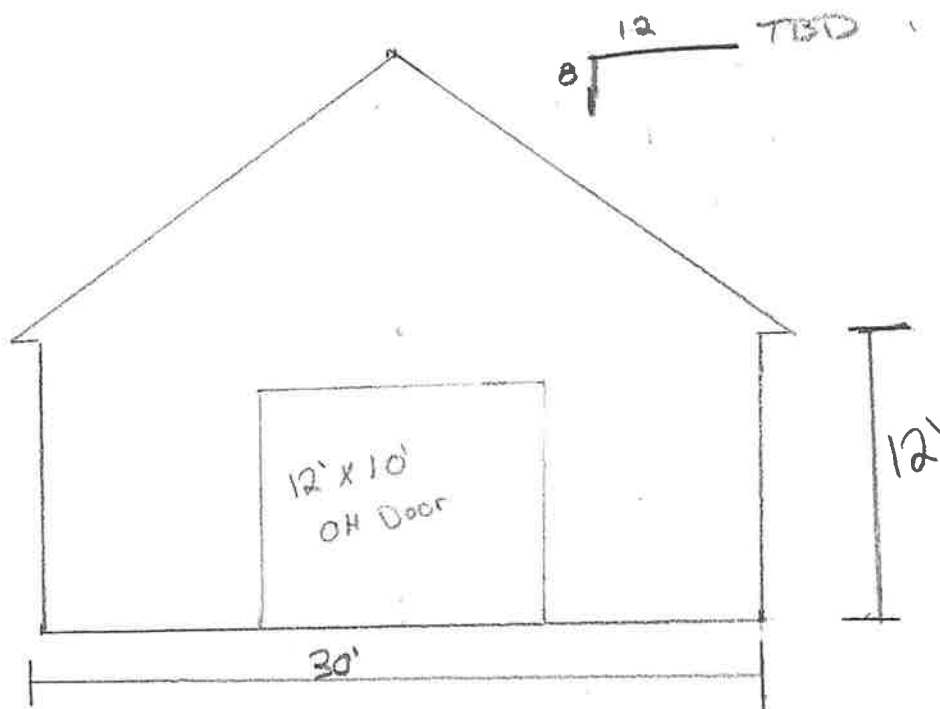
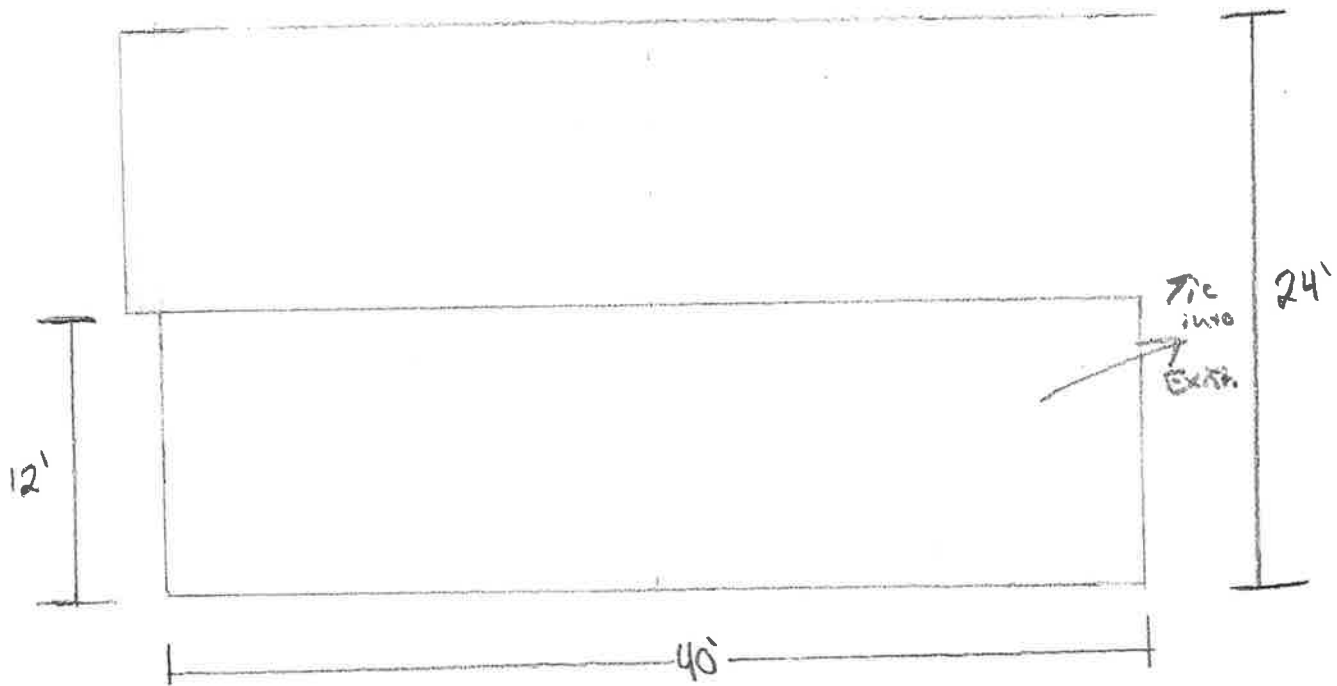
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed land surveyor under the laws of the state of Minnesota.
Dated this 7th day of March, 2022
By: Jared A. Spald, Minnesota License No. 59285



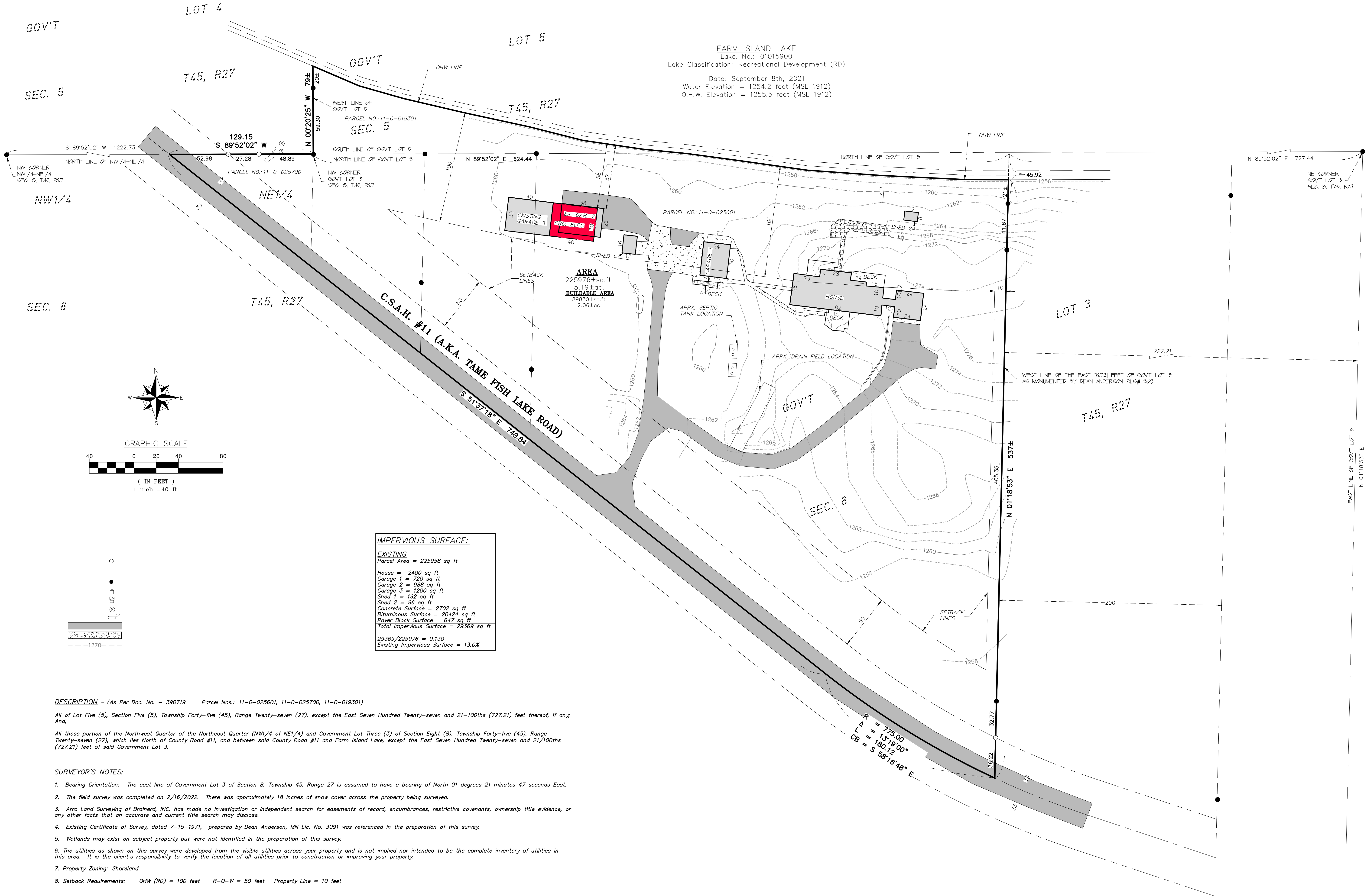
BOUNDARY SURVEY
Part of Gov't Lot 3,
NW1/4-NE1/4, Sec. 8 & Part
of Gov't Lot 5, Sec. 5,
T.45, R.27, Aitkin County, MN

CLIENT: Grandt Builders
Property Address:
44146 Tame
Fish Lake Road
Aitkin, MN 56431

DRAWN BY:	JAS	CHECKED BY:	FEEL
APPROVED BY:	JAS	JOB NUMBER:	22-0128
NO.	DATE	BY	REVISION DESCRIPTION
01	1/28/26	JAS	PROPOSED BUILDING



CERTIFICATE OF SURVEY



DESCRIPTION - (As Per Doc. No. - 390719 Parcel Nos.: 11-0-025601, 11-0-025700, 11-0-019301)

All of Lot Five (5), Section Five (5), Township Forty-five (45), Range Twenty-seven (27), except the East Seven Hundred Twenty-seven and 21-100ths (727.21) feet thereof, if any; And,

All those portion of the Northwest Quarter of the Northeast Quarter (NW1/4 of NE1/4) and Government Lot Three (3) of Section Eight (8), Township Forty-five (45), Range Twenty-seven (27), which lies North of County Road #11, and between said County Road #11 and Farm Island Lake, except the East Seven Hundred Twenty-seven and 21/100ths (727.21) feet of said Government Lot 3.

SURVEYOR'S NOTES:

- Bearing Orientation: The east line of Government Lot 3 of Section 8, Township 45, Range 27 is assumed to have a bearing of North 01 degrees 21 minutes 47 seconds East.
- The field survey was completed on 2/16/2022. There was approximately 18 inches of snow cover across the property being surveyed.
- 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.
- Existing Certificate of Survey, dated 7-15-1971, prepared by Dean Anderson, MN Lic. No. 3091 was referenced in the preparation of this survey.
- Wetlands may exist on subject property but were not identified in the preparation of this survey.
- 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.
- Property Zoning: Shoreland
- Setback Requirements: OHW (RD) = 100 feet R-O-W = 50 feet Property Line = 10 feet

FARM ISLAND LAKE
Lake No.: 01015900
Lake Classification: Recreational Development (RD)
Date: September 8th, 2021
Water Elevation = 1254.2 feet (MSL 1912)
O.H.W. Elevation = 1255.5 feet (MSL 1912)

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 7th day of March, 2022
By: Jared A. Spald, Minnesota License No. 59285



BOUNDARY SURVEY
Part of Gov't Lot 3,
NW1/4-NE1/4, Sec. 8 & Part
of Gov't Lot 5, Sec. 5,
T.45, R.27, Aitkin County, MN

CLIENT: Grandt Builders
Property Address:
44146 Tame
Fish Lake Road
Aitkin, MN 56431

DRAWN BY:	JAS	CHECKED BY:	FEEL
APPROVED BY:	JAS	JOB NUMBER:	22-0128
NO.	DATE	BY	REVISION DESCRIPTION
01	1/28/26	JAS	PROPOSED BUILDING

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: 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: 58'
- 4) Enter the corresponding 'Score Multiplier' 4: 1.333
- 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: 27

Reference Table: Performance Multipliers for structures, septs, 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 (30' setback)	Score Multiplier Sidelot (10' setback)
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) 27 + Mitigation Totals (Lines A-I) 45 = 122

*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

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.
- N/A* ☐ 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

- N/A* ☐ 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.
- N/A* ☐ Location of sediment barriers around on-site storm sewer inlets.
- N/A* ☐ 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.
- N/A* ☐ 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.
- N/A* ☐ 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.

N/A 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: _____

• 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.

N/A 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.

N/A 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 44146 Tame Fish Lake Rd. Aitkin, Mn 56431

Builder Grandt Builders Owner John Meehan

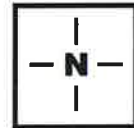
Worksheet Completed By Shane Donovan Date 1/28/26

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

SITE DIAGRAM

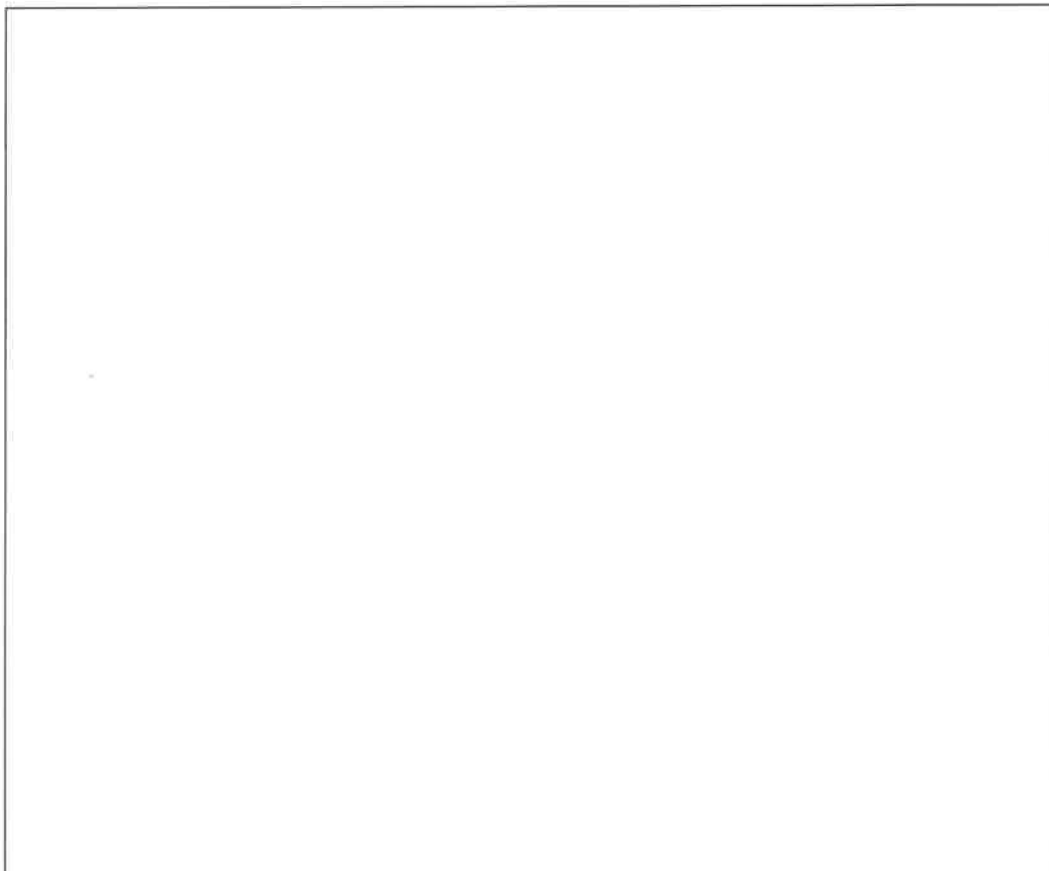
Scale 1 inch = _____ feet

Please indicate north by completing the arrow.

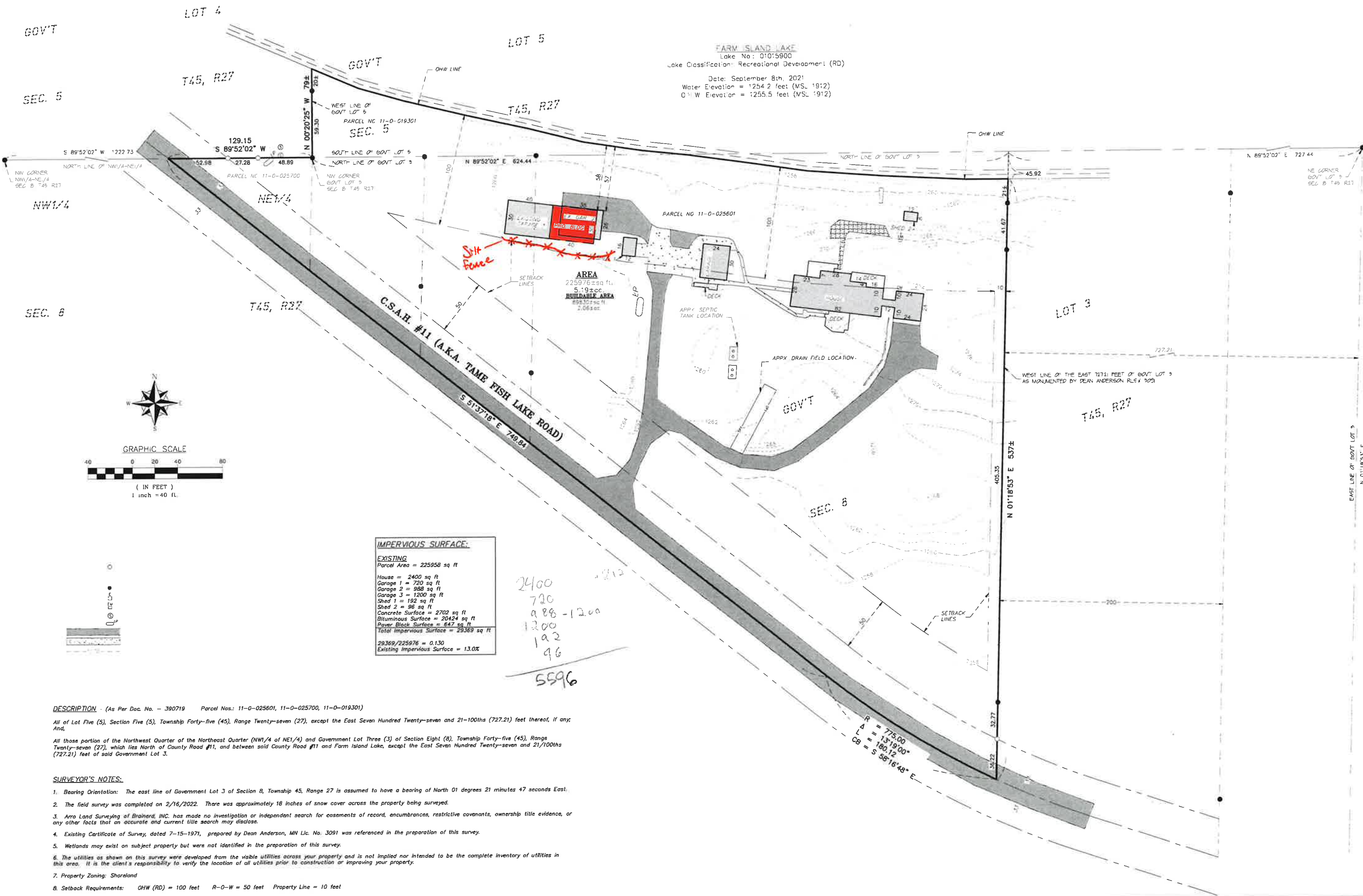


EROSION CONTROL PLAN LEGEND

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



CERTIFICATE OF SURVEY



Arro
Land Surveying
of Brainerd, INC.

CLIENT: Grandt Builders
Property Address:
44146 Tame
Fish Lake Road
Aitkin, MN 56431

BOUNDARY SURVEY
Part of Gov't Lot 3,
NW1/4-NE1/4, Sec. 8 & Part
of Gov't Lot 5, Sec. 5, MN
T.45, R.27, Aitkin County, MN

DATE: 2022
BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

EXHIBIT "A"
LEGAL DESCRIPTION

→ ALL OF LOT 5, SECTION 5, TOWNSHIP 45, RANGE 27, EXCEPT THE EAST 727.21 FEET THEREOF; AND ALL
→ THOSE PORTIONS OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER AND GOVERNMENT LOT 3,
→ SECTION 8, TOWNSHIP 45, RANGE 27, WHICH LIES NORTH OF COUNTY ROAD NO. 11, AND BETWEEN SAID
COUNTY ROAD NO. 11 AND FARM ISLAND LAKE, EXCEPT THE EAST 727.21 FEET OF SAID GOVERNMENT LOT
3, ALL IN AITKIN COUNTY, MINNESOTA.

CRV Not Required
No Delinquent Taxes and Transfer Entered
Kirk Peysar, County Auditor
State Deed Tax Paid
Lori Grams, County Treasurer

Doc No: **A480068**
Certified Filed and/or Recorded on
12/20/2023 8:31 AM

Office of the County Recorder
Aitkin County, Minnesota
Tara Snyder, County Recorder

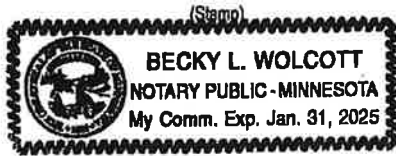
Package: **85197** Mick

WAD 1/1
REC FEE \$46.00
SDT \$1.65

COPY

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.

State of Minnesota, County of AtkinThis instrument was acknowledged before me on 12/19/23 by John C. Meehan and Claudia C. Meehan,
husband and wife
(month/day/year)(insert name and marital status of each Grantor)

Becky L. Wolcott
(signature of notarial officer)
Title (and Rank): Teller
My commission expires: 1-31-2025
(month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:
(insert name and address)

Robert M. Hartnett
Hartnett Law Office
5775 Wayzata Boulevard, STE 700
Saint Louis Park, MN 55416
License #: 328169

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED IN THIS
INSTRUMENT SHOULD BE SENT TO:(insert legal name and residential or business address of Grantee)

John C. Meehan and Claudia C. Meehan, Trustees
John C. Meehan Revocable Trust
44146 Tame Fish Lake Road
Atkin, MN 56431

Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	29-0-013011	50485 214th PI MCGREGOR, MN 55760	SHAMROCK TWP	BOCK, KEVIN & CARMEN	BOCK, KEVIN & CARMEN	.30 AC LOT 4 IN DOC 229871		S:7 T:49 R:23	GD	BIG SANDY LAKE

Driving directions to the proposed project from Aitkin:	Head East on 210 until you reach McGregor. Then go north on 65 until you reach Long Point PL. Turn right onto Long point until you reach 214th PL and it will be the 3rd house in 50485.
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 requesting approval for a variance to allow the conversion of an existing 360-square-foot deck into a screened porch. The deck is currently located approximately 57 feet from the Ordinary High Water (OHW) line and is considered a nonconforming structure due to current setback requirements.</p> <p>The proposed project does not expand the footprint of the existing structure, nor does it move the structure closer to the OHW. The work will be limited strictly to enclosing the existing deck area with screening, increasing structural strength with concrete footings, and adding roof structure. No additional square footage is being added.</p> <p>Importantly, this project will not increase the property's total impervious surface coverage. In fact, as part of our overall site improvements, we will be reducing the impervious surface to approximately 25%, bringing the property into compliance with county standards.</p> <p>The intent of the screened porch is to improve the usability, safety, and longevity of the existing structure while minimizing environmental impact. Screening the deck will help reduce debris entering the lake, limit erosion caused by foot traffic, and better manage rainwater runoff compared to the current open-deck design.</p>
<p>Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:</p>	<p>6.3 Additions/Expansions to Nonconforming Structures</p>
<p>Are you requesting a variance to a township road right-of-way setback and located 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: Supp._data.pdf
-----------------------------	--

A Scaled Drawing or Survey

Scaled Drawing or Survey Checklist:	<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>
Attach a Scaled Drawing or Survey:	File 1: 24073_KEVIN_BOCK-COS_11x17_P.pdf File 2: red_line_drawings-survey.pdf

Side Profile Sketch of the Structure

Attach a side profile sketch of your proposed structure or addition here (if applicable):	File 1: 24073_KEVIN_BOCK-COS_11x17_P.pdf File 2: red_line_drawings-survey.pdf
---	--

Certificate of Septic Compliance

Attach a copy of one of the following, if applicable:

- A current compliance inspection on an existing septic system.
- A design for a new/replacement septic system.

File 1:  [2024_septic_compliance.pdf](#)

Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [Shoreline_performance.pdf](#)

Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

File 1:  [erosion_control_plan_checklist.pdf](#)

Property Deed

Attach the property deed:

File 1:  [property_deed.pdf](#)

Other

Attach "Other" information (if necessary):

File 1:  [Red_Line_survey.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 #68841 (02/06/2026) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 02/06/2026 8:17 AM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 02/06/2026 8:17 AM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 02/06/2026			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature accepted

Failed to send [Variance Ready for Action](#) notification to:

Approvals

Approval	Signature
Applicant	Shane Donovan - 02/06/2026 11:09 AM 83a3f7c08a45a78d3e9c27975d1d6f9e 590b3412da8650ba9e3209c321273339
#1 Administrative Review	Kim Burton - 02/06/2026 11:50 AM 270117a79cf65648546f2f96217354ed 4afe57288893d516e56085732ff67f07
#2 Board of Adjustment Approval	

Public Notes

Text:	<div></div>
File(s):	<div></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
UID #	219942	<i>not applicable</i>
App. #	<input type="text" value="2026-000027"/>	«« 2026-000028
Permit #	<input type="text"/>	«« 2026-0018

Print View



AITKIN COUNTY ENVIRONMENTAL SERVICES
PLANNING & ZONING

Aitkin County Government Center
307 2nd Street NW, Room 219
Aitkin, MN 56431

aitkinpz@aitkincountymn.gov
Phone: 218-927-7342
Fax: 218-927-4372

AUTHORIZED AGENT 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):	29-0-013011
E911 Address of Property:	50485 214th PI MCGREGOR MN 55760

Authorized Agent Information:

Agent name:	Dale Grandt
-------------	-------------

Property Owner Information:

Property Owner Signature:		Date:	2/6/26
---------------------------	--	-------	--------

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

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

☐ 2nd 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):

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
___ 2nd Story Level

Existing Structure Height 12 ft.
Existing # of Bedrooms 2
Existing Building Coverage 13.9%
Existing Total Impervious Surface Coverage 27.3%

Proposed Addition(s)

___ Basement
___ Crawlspace
___ Walk-out Basement
☒ One Story Level
___ Story-and-a-Half Level
___ 2nd Story Level

Proposed Addition(s) Height 18 ft.
Final # of bedrooms after remodel 2
Proposed Building Coverage 13.9%
Proposed Total Impervious Surface Coverage 25%

"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):

Proposing to turn 360 sq ft of Deck into a
Screen porch.

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 Screen porch

<input checked="" type="checkbox"/> Ordinary High Water Level (OHWL)	Existing Setback <u>57</u> ft.	Proposed Setback <u>57</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	

CERTIFICATE OF SURVEY

SECTION 7, TOWNSHIP 49 NORTH, RANGE 23 WEST
AITKIN COUNTY, MINNESOTA

LEGAL DESCRIPTION:

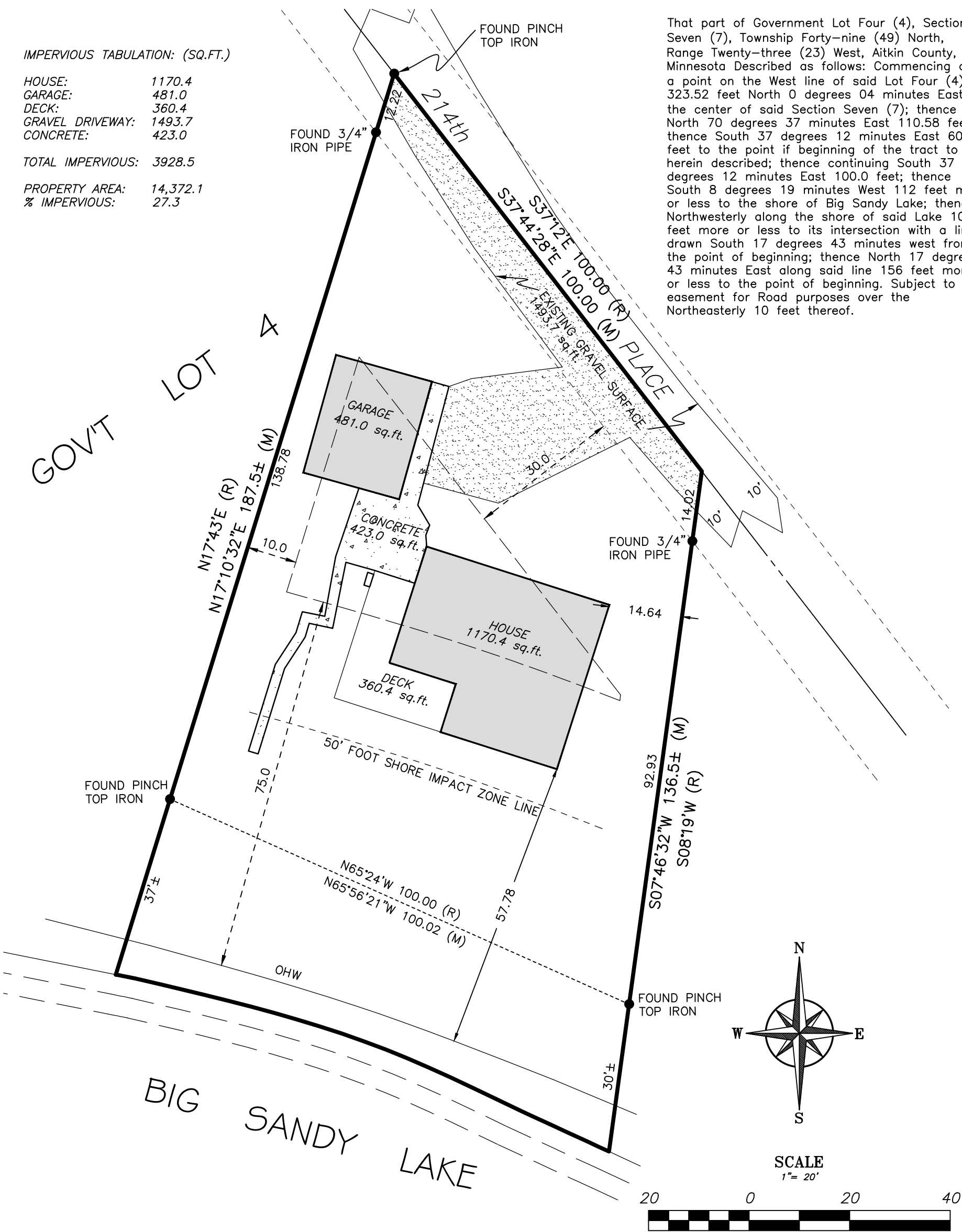
That part of Government Lot Four (4), Section Seven (7), Township Forty-nine (49) North, Range Twenty-three (23) West, Aitkin County, Minnesota Described as follows: Commencing at a point on the West line of said Lot Four (4), 323.52 feet North 0 degrees 04 minutes East of the center of said Section Seven (7); thence North 70 degrees 37 minutes East 110.58 feet, thence South 37 degrees 12 minutes East 60.00 feet to the point of beginning of the tract to be herein described; thence continuing South 37 degrees 12 minutes East 100.0 feet; thence South 8 degrees 19 minutes West 112 feet more or less to the shore of Big Sandy Lake; thence Northwestery along the shore of said Lake 100 feet more or less to its intersection with a line drawn South 17 degrees 43 minutes West from the point of beginning; thence North 17 degrees 43 minutes East along said line 156 feet more or less to the point of beginning. Subject to an easement for Road purposes over the Northeastery 10 feet thereof.

IMPERVIOUS TABULATION: (SQ.FT.)

HOUSE: 1170.4
GARAGE: 481.0
DECK: 360.4
GRAVEL DRIVEWAY: 1493.7
CONCRETE: 423.0

TOTAL IMPERVIOUS: 3928.5

PROPERTY AREA: 14,372.1
% IMPERVIOUS: 27.3



BEARINGS ARE BASED ON NAD83(96)
AITKIN COUNTY COORDINATE SYSTEM



KEVIN BOCK
GOVLOT 4
SEC 7-T49N-R23W
AITKIN COUNTY, MN

JOB#:	24073	DRAWN BY:	MAS
FILENAME:	24073 KEVIN BOCK.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:

CERTIFICATE OF SURVEY

SECTION 7, TOWNSHIP 49 NORTH, RANGE 23 WEST
AITKIN COUNTY, MINNESOTA

LEGAL DESCRIPTION:

That part of Government Lot Four (4), Section Seven (7), Township Forty-nine (49) North, Range Twenty-three (23) West, Aitkin County, Minnesota Described as follows: Commencing at a point on the West line of said Lot Four (4), 323.52 feet North 0 degrees 04 minutes East of the center of said Section Seven (7); thence North 70 degrees 37 minutes East 110.58 feet, thence South 37 degrees 12 minutes East 60.00 feet to the point if beginning of the tract to be herein described; thence continuing South 37 degrees 12 minutes East 100.0 feet; thence South 8 degrees 19 minutes West 112 feet more or less to the shore of Big Sandy Lake; thence Northwesterly along the shore of said Lake 100 feet more or less to its intersection with a line drawn South 17 degrees 43 minutes west from the point of beginning; thence North 17 degrees 43 minutes East along said line 156 feet more or less to the point of beginning. Subject to an easement for Road purposes over the Northeasterly 10 feet thereof.

IMPERVIOUS TABULATION: (SQ.FT.)

HOUSE: 1170.4
GARAGE: 481.0
DECK: 360.4
GRAVEL DRIVEWAY: 1493.7
CONCRETE: 423.0

TOTAL IMPERVIOUS: 3928.5

PROPERTY AREA: 14,322.1 3,593 SF
% IMPERVIOUS: 27.3 25%

House 1170.4 SF

Deck 360.4 SF

Garage 481.0 SF

Gravel 1493.7 SF

Concrete 423.0 SF

GOVT LOT

75% = 3,593 SF

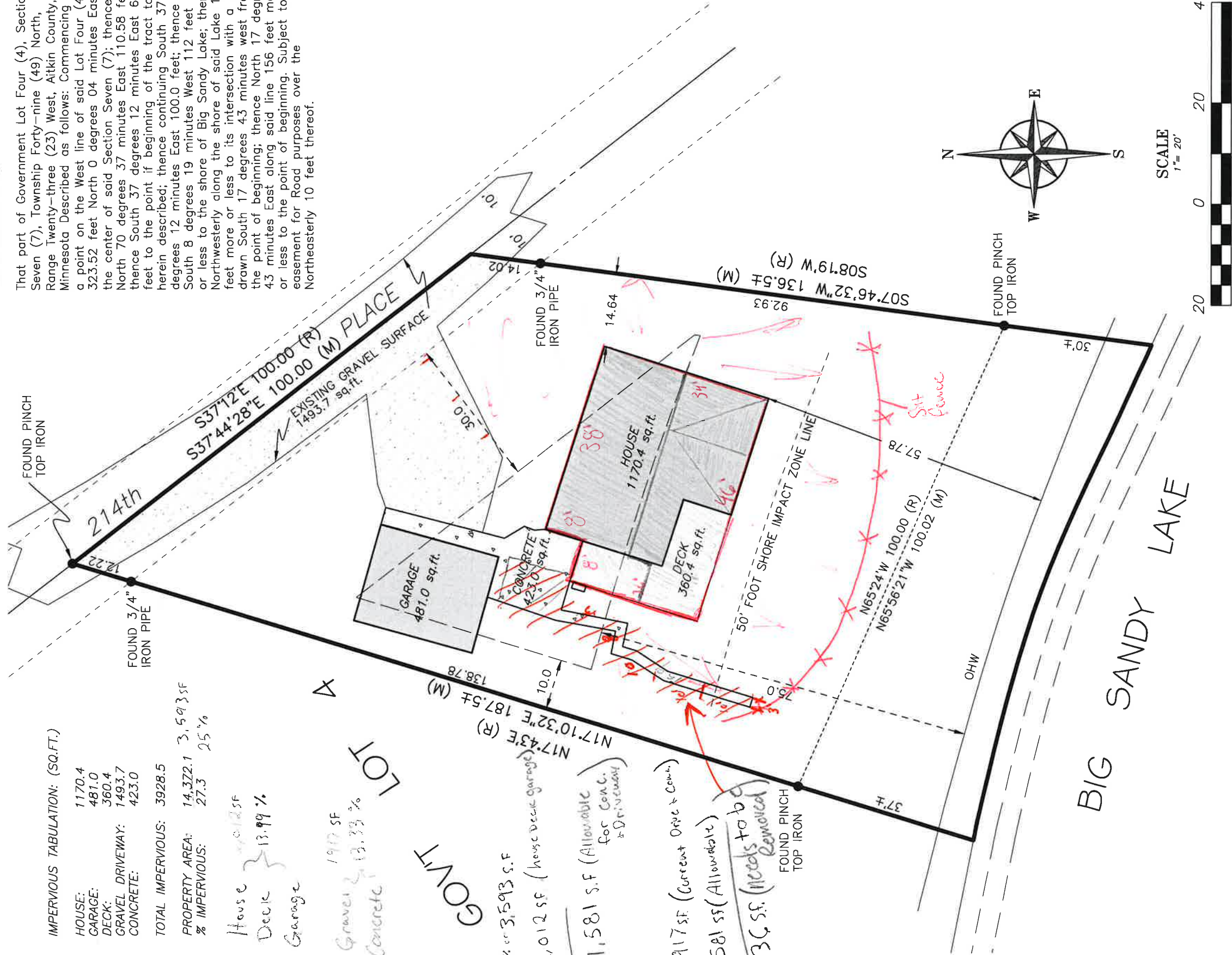
- 2,012 SF (house deck garage)

= 1,581 S.F (Allowable for Concr. Driveway)

1,917 SF (Current Drive & Comm)

- 1,581 SF (Allowable)

336 SF (needs to be removed)



BEARINGS ARE BASED ON NAD83(96)
AITKIN COUNTY COORDINATE SYSTEM



KEVIN BOCK
GOVLOT 4
SEC 7-T49N-R23W
AITKIN COUNTY, MN

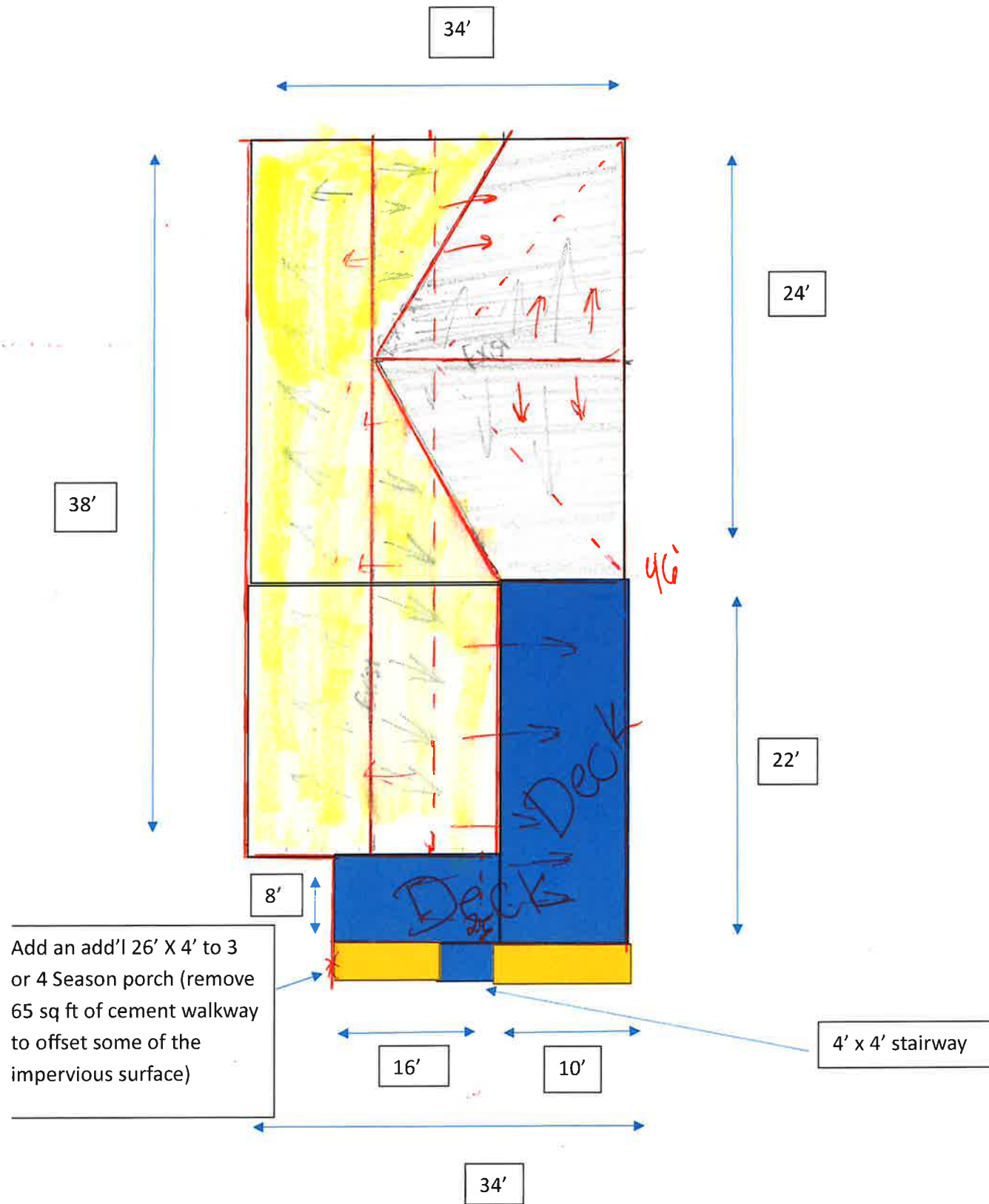
JOB#:	24073	DRAWN BY:	MAS
FILENAME:	24073 KEVIN BOCK.DWG		
REV#		DESCRIPTION	DATE

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:

Existing Roof Lines



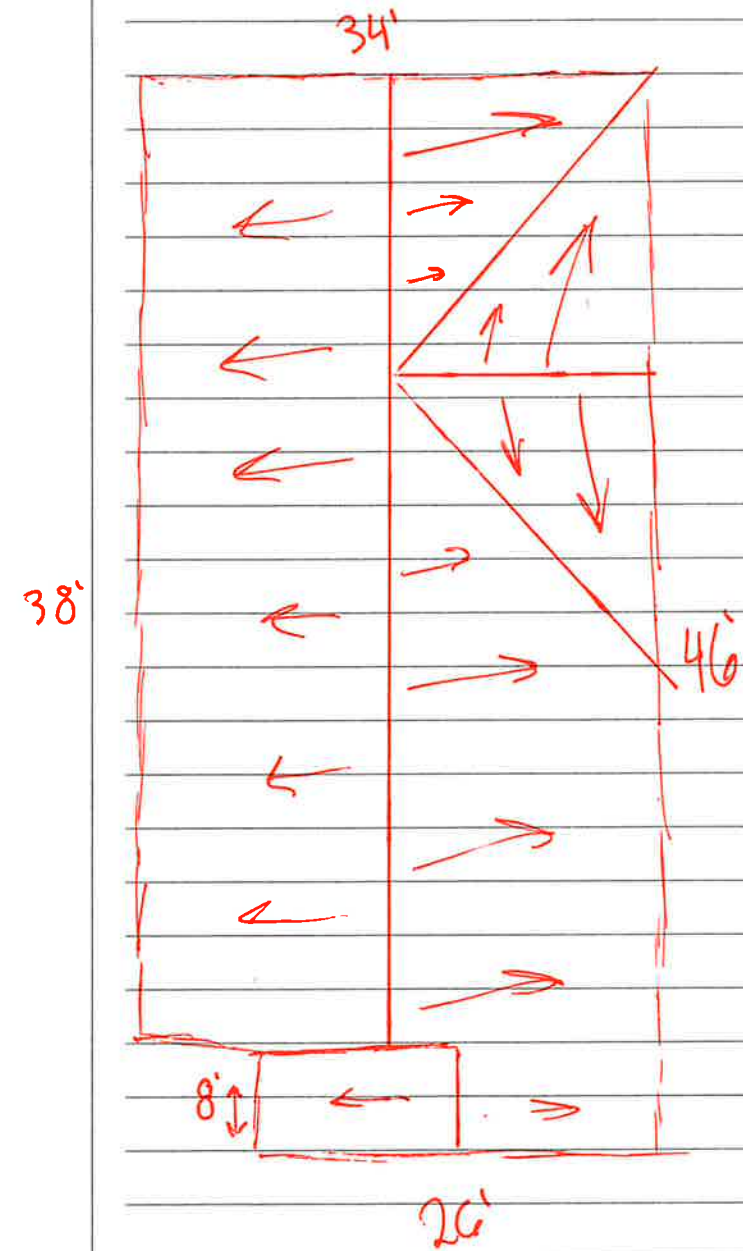
DATE _____

PURPOSE _____

CUE COLUMN

NOTES

Proposed Roof lines



SUMMARY

Proposed

18'

Exist

14'

10'



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:

Viewed tank with camera.

Attached supporting documentation:

- ☒ Pumped at time of inspection

Name of maintenance business: Kangas

License number of maintenance business: 2526

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: _____

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 10/27/2003 ☐ 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 (Advanced Inspector License required) ☐ Yes ☐ No*

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

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

Describe verification methods and results:

Attached supporting documentation:

- ☐ Soil observation logs completed for the report (Attach)
- ☐ Two previous verifications of required vertical separation (Attach)
- ☒ Not applicable (No soil treatment area)
- ☐ _____

Indicate depths or elevations

A. Bottom of distribution media	
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

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

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.



AITKIN COUNTY ENVIRONMENTAL SERVICES PLANNING & ZONING

Aitkin County Government Center
307 2nd Street NW, Room 219
Aitkin, MN 56431

aitkinpz@aitkincountymn.gov
Phone: 218-927-7342
Fax: 218-927-4372

“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: Gen. Dev. Lake
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2)..... 2: 75
- 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: 57.78
- 4) Enter the corresponding 'Score Multiplier' 4: 1.33
- 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: 77

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**
- 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*

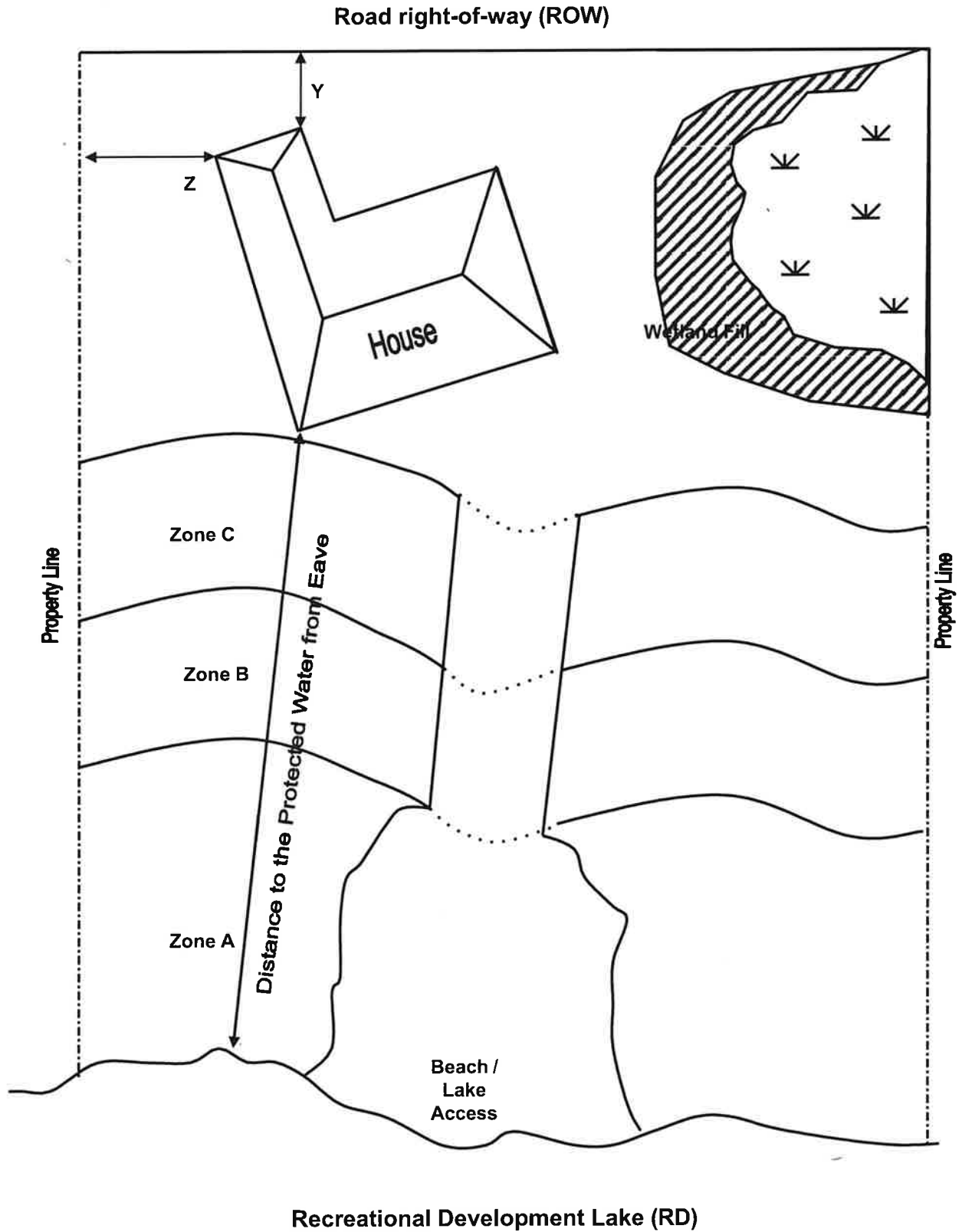
Final Score = Pre-mitigation Lot Score (Line 5) 77 + Mitigation Totals (Lines A-I) 20 = 97

*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)



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: _____

• 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 50485 214th Pl McGregor, MN 55760

Builder Grandt Builders Owner Kevin & Carmen Bock

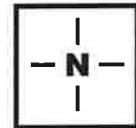
Worksheet Completed By Shane Donovan Date 2/5/26

Amount of earthen material to be excavated and/or used for fill _____ 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

 VEGETATION
SPECIFICATION

 TREE
PRESERVATION

 STOCKPILED
SOIL

383746

FILED

SEP 19 '07 AT 9 AM

Diane M. Lafferty, County Recorder

NO DELINQUENT TAXES
AND TRANSFER ENTERED

This 19 Day Sept 2007

Kirk Pearson
County AuditorDiane M. Lafferty
DeputyCERTIFICATE OF REAL ESTATE
VALUE () FILED () NOT
PROVIDED CERTIFICATE OF REAL
ESTATE VALUE NO. 37579

WARRANTY DEED

Individual(s) to Joint Tenants

DEED TAX DUE: \$ 1,072.50

Date: September 10, 2007

FOR VALUABLE CONSIDERATION, Stephen J. Dvorak and Susan L. Dvorak, husband and wife

Grantor, hereby conveys and warrants to Kevin J. Bock and Carmen L. Bock

Grantees, as joint tenants, real property in Aitkin County, Minnesota, described as follows:

→ See attached "Exhibit A" for legal description.

together with all hereditaments and appurtenances belonging thereto, subject to the following exceptions:
reservations, restrictions and easements of record, if any.

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.
- ☒ 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.

Affix Deed Tax Stamp Here

STATE OF MINNESOTA
COUNTY OF Dakota } ss.

Stephen J. Dvorak

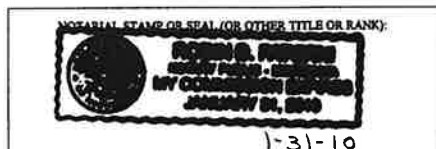
Stephen J. Dvorak

Susan L. Dvorak

Susan L. Dvorak

This instrument was acknowledged before me on September 10, 2007

by Stephen J. Dvorak and Susan L. Dvorak, husband and wife



THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):

Aitkin County Abstract Company
112 3rd St. N.W.
Aitkin, MN 56431Robert D. Patzani
SIGNATURE OF NOTARY PUBLIC OR OTHER OFFICIALCheck 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:

Kevin J. Bock
Carmen L. Bock
858 Bald Lake Ct.
Eagan, MN 55123

AITKIN COUNTY DEED TAX

No 99 Date 9/19/07

1072.50 Dollars Paid

Tore Grams
County Treasurer

By D. Lafferty Deputy

EXHIBIT A

→ That part of Government Lot Four (4), Section Seven (7), Township Forty-nine (49), Range Twenty-three (23), described as follows:

Commencing at a point on the West line of said Lot 4, 323.52 feet, North 0 degrees 04 minutes East of the center of said Section 7; thence North 70 degrees 37 minutes East 110.58 feet; thence South 37 degrees 12 minutes East 80.00 feet to the point of beginning of the tract to be herein described; thence continuing South 37 degrees 12 minutes East 100.0 feet; thence South 8 degrees 19 minutes West 112 feet, more or less, to the shore of Big Sandy Lake; thence Northwest along the shore of said Lake 100 feet, more or less to its intersection with a line drawn South 17 degrees 43 minutes West from the point of beginning; thence North 17 degrees 43 minutes East along said line 156 feet, more or less, to the point of beginning. Subject to an easement for road purposes over the Northeasterly 10 feet thereof.

→ Together with non-exclusive easement for a road 20 feet in width across Government lots 4 and 6, Section 7, Township 49, Range 23, the centerline of said road being described as follows: Beginning at a point on the West line of said Lot 4, 323.52 feet North 0 degrees 04 minutes East of the center of said Section 7; thence North 70 degrees 37 minutes East 110.58 feet; thence South 37 degrees 12 minutes East 238.5 feet; thence South 41 degrees 09 minutes East, 195.45 feet to a point in the South line of said Lot 4 378.88 feet North 86 degrees 37 minutes East from the center of said Section 7; thence South 51 degrees 14 minutes East 137.8 feet; thence South 12 degrees 19 minutes East 409.4 feet; thence South 50 degrees 34 minutes East 155.85 feet; thence South 6 degrees 06 minutes West 478.85 feet; thence South 29 degrees 47 minutes West 195.0 feet (and 10 feet on width from this joint on) thence North 57 degrees 33 minutes West 120.00 feet; thence South 57 degrees 33 minutes East 120.0 feet along the afore described line; thence South 42 degrees 43 minutes East 100.0 feet; thence South 55 degrees 23 minutes East 20.0 feet there terminating.

Aitkin County, Minnesota
(Abstract)

Standard Title
Po Bx 309
M. Sugar M
55760

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

SEP 19 2007 AM

As Doc. No.

383746

2/10/08

9-19-9

f

①

CERTIFICATE OF SURVEY

SECTION 7, TOWNSHIP 49 NORTH, RANGE 23 WEST
AITKIN COUNTY, MINNESOTA

LEGAL DESCRIPTION:

That part of Government Lot Four (4), Section Seven (7), Township Forty-nine (49) North, Range Twenty-three (23) West, Aitkin County, Minnesota Described as follows: Commencing at a point on the West line of said Lot Four (4), 323.52 feet North 0 degrees 04 minutes East of the center of said Section Seven (7); thence North 70 degrees 37 minutes East 110.58 feet, thence South 37 degrees 12 minutes East 60.00 feet to the point if beginning of the tract to be herein described; thence continuing South 37 degrees 12 minutes East 100.0 feet; thence South 8 degrees 19 minutes West 112 feet more or less to the shore of Big Sandy Lake; thence Northwesterly along the shore of said Lake 100 feet more or less to its intersection with a line drawn South 17 degrees 43 minutes west from the point of beginning; thence North 17 degrees 43 minutes East along said line 156 feet more or less to the point of beginning. Subject to an easement for Road purposes over the Northeasterly 10 feet thereof.

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DECK: 360.4
GRAVEL DRIVEWAY: 1493.7
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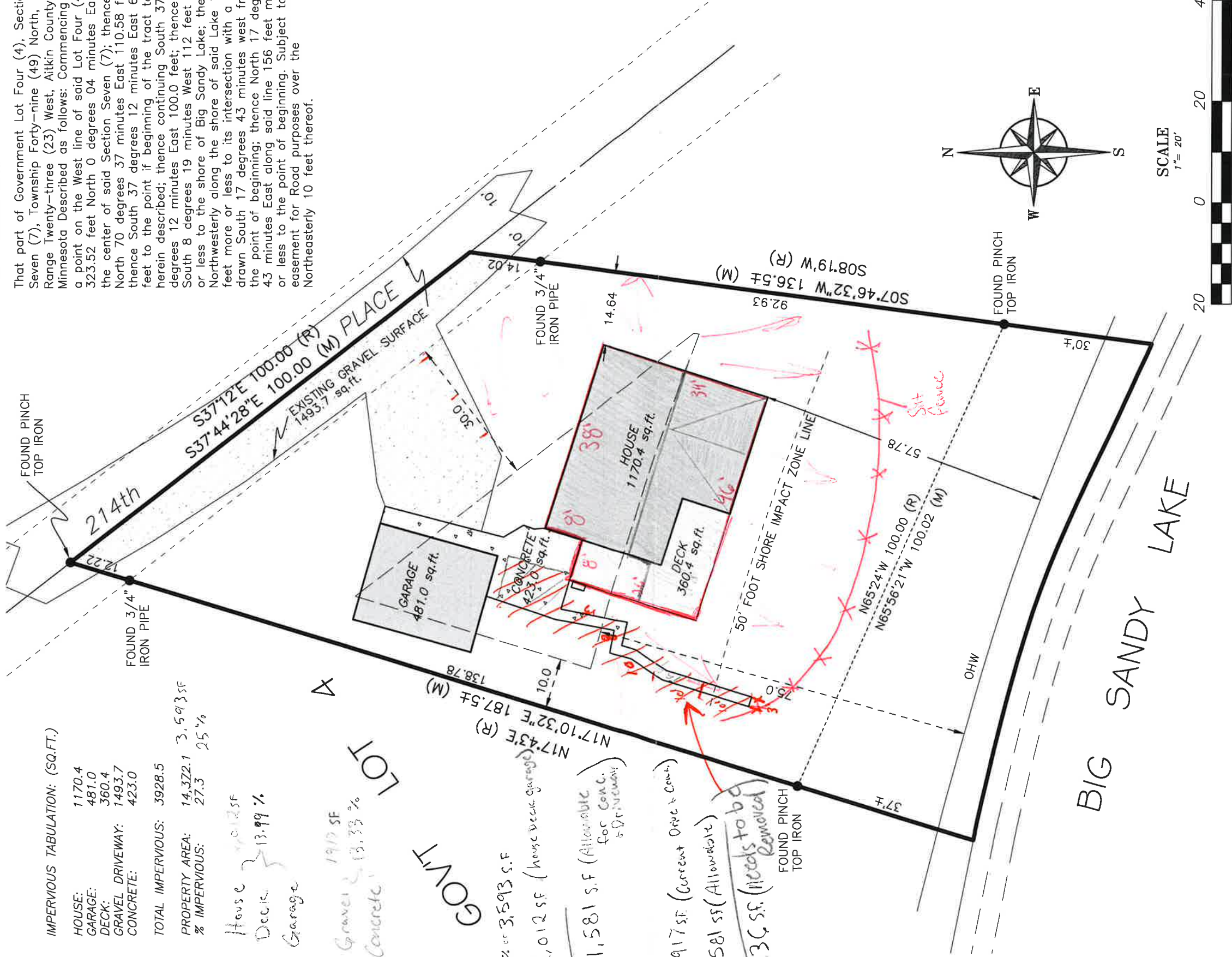
Gravel 1494 SF
Concrete 423 SF
13.33 %

GOVT LOT

75% or 3,593 S.F

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= 1,581 S.F (Allowable for conc. driveway)

1,917 SF (Current Drive + Conc.)
- 1,581 SF (Allowable)
336 SF (Needs to be removed)



BEARINGS ARE BASED ON NAD83(96)
AITKIN COUNTY COORDINATE SYSTEM



KEVIN BOCK
GOVLOT 4
SEC 7-T49N-R23W
AITKIN COUNTY, MN

JOB#	24073	DRAWN BY:	MAS
FILENAME:	24073 KEVIN BOCK.DWG		
REV#		DESCRIPTION	DATE

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MICHAEL A. STANG (LIC. NO. 52591)

DATE:

29-0-013011

50405 214th PI
McGregor, MN 55760

Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	29-1-204000	18694 483rd St MCGREGOR, MN 55760	SHAMROCK TWP	WARWICK, DAVID & PATRICIA TRUSTEES	WARWICK, DAVID & PATRICIA TRUSTEES	LOT 13	SHESEBE POINT 2ND ADDITION	S:22 T:49 R:23	GD	MINNEWAWA LAKE
	29-1-204100		SHAMROCK TWP	WARWICK, DAVID & PATRICIA TRUSTEES	WARWICK, DAVID & PATRICIA TRUSTEES	LOT 14	SHESEBE POINT 2ND ADDITION	S:22 T:49 R:23	GD	MINNEWAWA LAKE
Driving directions to the proposed project from Aitkin:	<p>take 169 north out of Aitkin to St Hwy 210</p> <p>Take St Hwy 210 east to St Hwy 65 in McGregor</p> <p>take St Hwy 65 North to Aitkin Co Rd 6 (also known as Goshawk Rd)</p> <p>Go east on Aitkin Co 6 to 188th Ave (~1 block past Banns Resterant)</p> <p>Tunn left on 188th Ave and follow it to 483rd St.</p> <p>Turn Right on 483rd and follow it around the edge of the lake to 18694 (Blue Garage with light tan door)</p>									
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):	Rebuild the cabin on the lot to include a full basement. Cabin foot print to be moved away from the lake by 2 ft to allow for wider roof eaves and to mitigate the risk of damaging or requiring the removal of old growth trees. The cabin is currently built upon a cement and stone wall that extends from 6-10 inches into the ground and has no footing. As a result, over the years it has begun to deteriorate and has significant cracks developing in many places. More detail about the proposed project is provided in the supplemental data section.
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	non-conforming structure that is 36 ft from the lake OHWL
Are you requesting a variance to a township road right-of-way setback and located 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: 10px;"> <p>File 1: Impervious_Land_Coverage_Comparison-r1.pdf</p> <p>File 2: Part_1_-_Supp_Data_To_Variance_App_-_Warwick_r1.pdf</p> </div>
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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 style="border: 1px dashed black; padding: 10px;"> <p>File 1: 📄 Septic_System_Location.pdf</p> <p>File 2: 📄 Survey_Detail-r2.pdf</p> <p>File 3: 📄 Survey_-_D.Warwick.jpg</p> <p>File 4: 📄 Topography.pdf</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 style="border: 1px dashed black; padding: 10px;"> <p>File 1: 📄 Warwick_11_16_2025_Cabin_Plans.pdf</p> </div>
--	---

Certificate of Septic Compliance

<p>Attach a copy of one of the following, if applicable:</p> <ul style="list-style-type: none"> - A current compliance inspection on an existing septic system. - A design for a new/replacement septic system. 	<div style="border: 1px dashed black; padding: 10px;"> <p>File 1: 📄 Septic_System_Inspection_Compliance_Form.pdf</p> </div>
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Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [Shoreline_Performance_Worksheet.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:

File 1:  [Copies_of_Minnewawa_Property_Deeds.pdf](#)

Other

Attach "Other" information (if necessary):

File 1:  [Configuration_of_Existing_Cabin.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 #68311 (01/15/2026) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 01/15/2026 4:59 PM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 01/15/2026 4:59 PM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 01/16/2026			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature accepted

Failed to send [Variance Ready for Action](#) notification to:**Approvals**

Approval	Signature
----------	-----------

Applicant	David S. Warwick - 02/06/2026 1:51 PM 27732ccaa920ef3e81376f716d3d1863 e03d38b1ec6d0f45cfa9dcc7750f84f1
#1 Administrative Review	Kim Burton - 02/06/2026 1:54 PM 3651a40ce81e9ee2d03dc0218635851c 6c69e18cbeb259025a1fb60a86c01324
#2 Board of Adjustment Approval	

Public Notes

Text:	<p>Will need updated CI prior to building permit issuance</p> <p>App will need to include both parcels, which will change impervious/building coverages.</p> <p>Property line setback?</p>
File(s):	<div></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
UID #	219316	<i>not applicable</i>
App. #	<input type="text" value="2026-000012"/>	«« 2026-000029
Permit #	<input type="text"/>	«« 2026-0018

[Print View](#)

Land

Lot 13 square Area	7079 SqFt
Lot 14 square Area	9788 SqFt
	<hr/> 16867 SqFt

Current Impervious Coverage

Cabin Building	668 SqFt
Garage (on lot 13)	432 SqFt
Wood Shed	60.5 SqFt
Concrete Sidewalk	80 SqFt
Cellar Door (steel)	30 SqFt
Patio (pavers)	33 SqFt
Pavers on path to lake	24 SqFt
	<hr/> 1327.5 SqFt

Total Building Coverage	6.88%
Percent coverage	7.87%

% Chg in Building
Footprint
26.4%

Proposed Impervious Coverage

Cabin Building	908 SqFt
Garage (on lot 13)	432 SqFt
Wood Shed	60.5 SqFt
Concrete Sidewalk	0 SqFt
Cellar Door (steel)	30 SqFt
Patio (pavers)	0 SqFt
Pavers on path to lake	24 SqFt
	<hr/> 1454.5 SqFt

Total Building Coverage	8.30%
Percent coverage	8.62%

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

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 checked="" type="checkbox"/> Basement | <input checked="" type="checkbox"/> One Story Level (with a basement) |
| <input type="checkbox"/> Crawlspace | <input type="checkbox"/> Story-and-a-Half Level |
| <input type="checkbox"/> Walk-out Basement | <input type="checkbox"/> 2nd Story Level |

Proposed # of Bedrooms 4

Proposed Structure Height 18 ft. (current = 14.8 ft)

Existing Total Building Coverage 7.63 %

Proposed Total Building Coverage 8.30 %

Existing Total Impervious Surface Coverage 8.98 %

Proposed Total Impervious Surface Coverage 8.62 %

"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, fish houses, 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 County Shoreland Management Ordinance.

Itemized square footage of proposed structure(s): The proposal is to enlarge the building footprint by 26.4 % and create a full basement under the cabin of the same size located 2 ft farther away from the OHWL . The enlargement puts the back (road side) of the cabin approx' 22 ft from the septic system drain field and the north edge of the cabin approx' 12 ft from the septic holding tank. A large percentage of the increase is to provide a stairway from the main floor to the basement level that is inside of the cabin footprint (current access to the lower level is outside). The basement level is to have 3 bedrooms, a room to house utilities and provide a workshop, and a small bathroom. The upper level will have only a single bedroom and an enlarged bathroom (as compared to the bathroom in the current cabin which is only 5 x 5 ft). The kitchen will be larger than the what is in the current building and will be located on the lake side of the cabin instead of the road side. The center room and road side wall will be slightly larger but will be the same layout as the current cabin. The east wall of the current cabin will be used as is in the new structure (refer to the architectural plans for the new cabin and the descriptive drawings of the current cabin for dimensional comparisons; See also page 4 of this document).

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)
☒ Property Line
____ Road Right-of way ____ Twp ____ Co. ____ State
____ Bluff
____ Other: _____

Proposed Setback 38 ft. (current cabin is 36 ft)
Proposed Setback 6 ft.
Proposed Setback _____ ft.
Proposed Setback _____ ft.
Proposed Setback _____ ft.

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

Check all that apply and fill in requested information:

Existing Structure(s)

____ Basement
____ Crawlspace
____ Walk-out Basement
____ One Story Level
____ Story-and-a-Half Level
____ 2nd 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
____ 2nd 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, fish houses, 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):

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 _____ Total Cubic Yds. _____
____ 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.

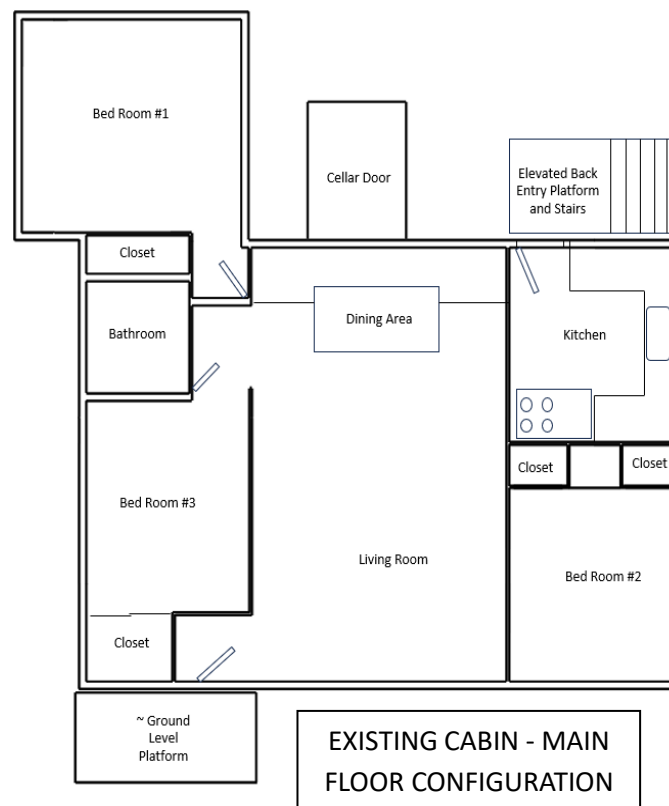
____ Property Width Proposed Property Width _____
____ Property Area Proposed Property Area _____
____ (2) Standard Septic Sites
____ Legal Access

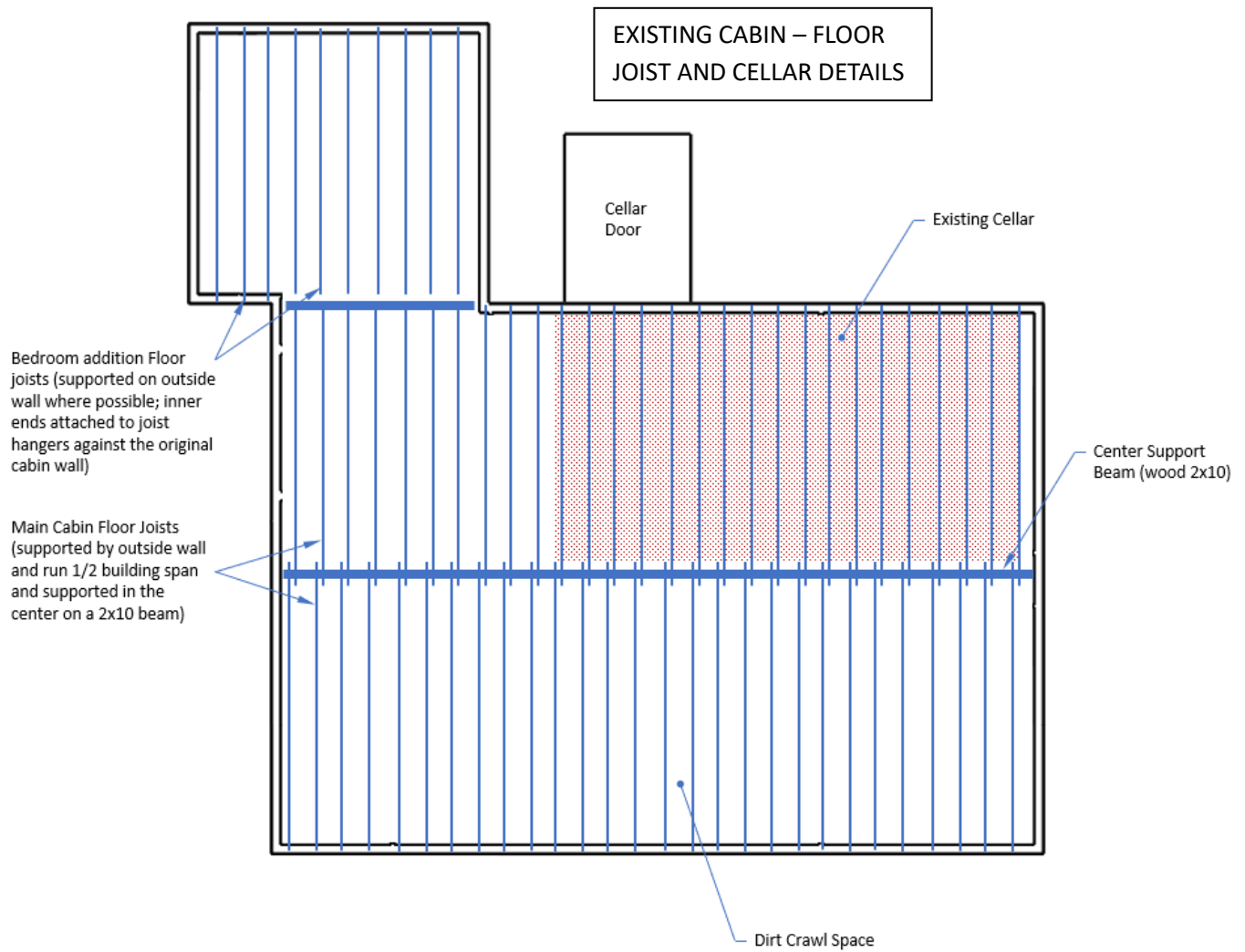
Explanations and Descriptive Diagrams –

Referring to variance #42247V (has been provided for your reference), the original plan was to raise the cabin, dig out beneath it and install a basement, lower the cabin onto the new basement, expanding the north wall to make it even with the addition on the road side, expand the east wall to create an internal stairway to the new basement and create a second story on the modified structure. It is now my desire to carefully take down the current structure to be able to reuse materials and sections of the existing building in the new cabin. The reasoning for this approach are as follows:

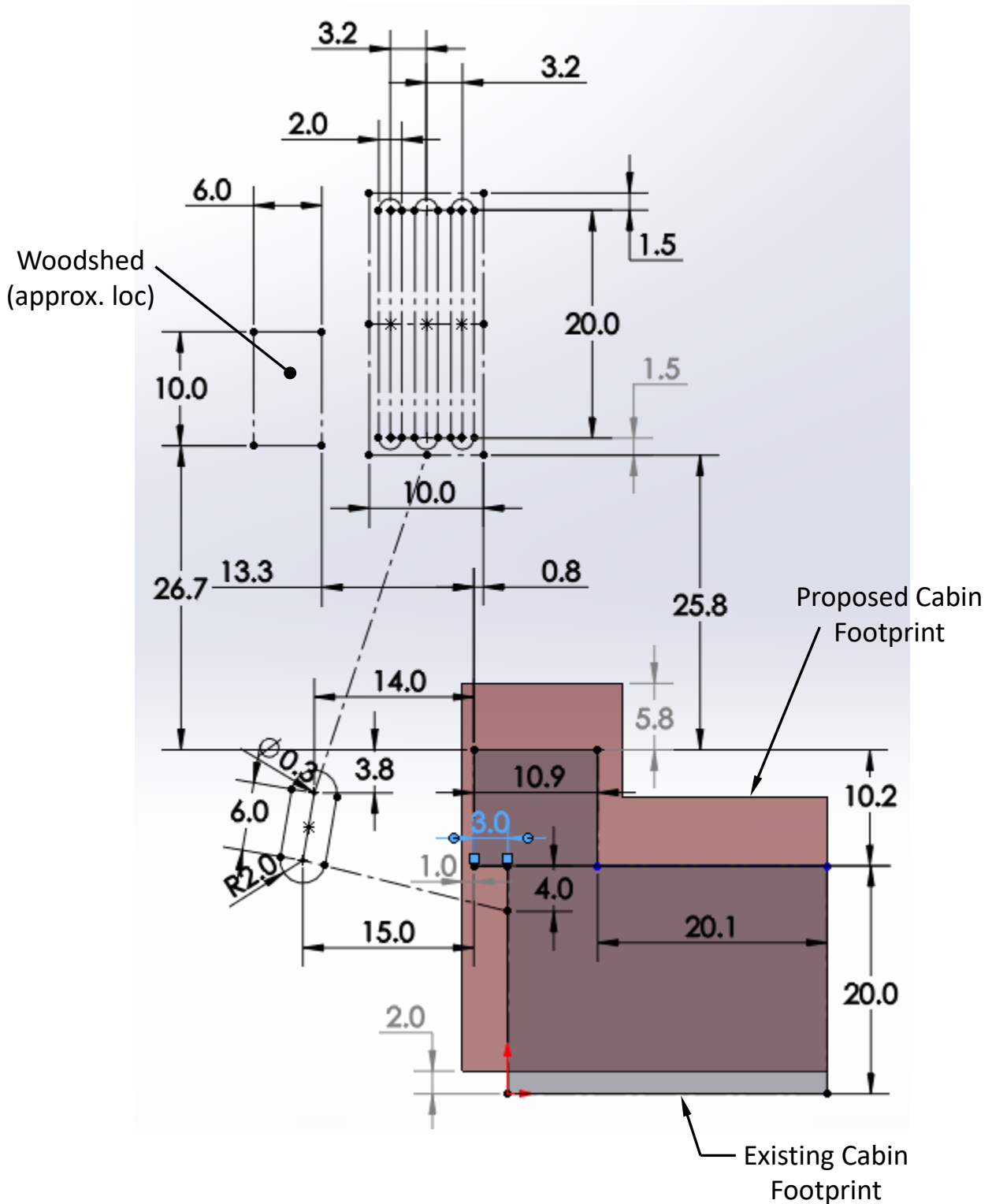
- The idea of adding a 2nd story to the enlarged structure (outlined in approved variance request 42247V) has been eliminated. The 2nd story would provide space that is not needed for the amount of usage that the cabin is expected to have.
- Upon further investigation and consulting with subject matter experts, the plan to lift the current cabin would be dangerous because of how it is constructed (floor joists do not span the full width of the building and the addition on the northeast corner has its own set of floor joists that are completely separate from those in the main cabin structure.) Because of these issues, there is a non-trivial risk that the building may not survive the lifting operation. Even if it does, there will be significant equipment vibration as the basement space is excavated which may damage the building. For the safety of all concerned in this project, I believe that lifting the building is not a good approach
- I want to try to protect old growth trees (~80 - 100 years old) that are close to the current cabin structure. An arborist that I have consulted has advised me of which trees must come down, which trees could be preserved and the techniques that I would need to employ to give those trees the greatest opportunity to thrive after the completion of construction. I can accomplish this by moving the footprint of the cabin 2 ft farther from the lake and still stay in compliance with the 20 ft minimum distance to the septic drain field.

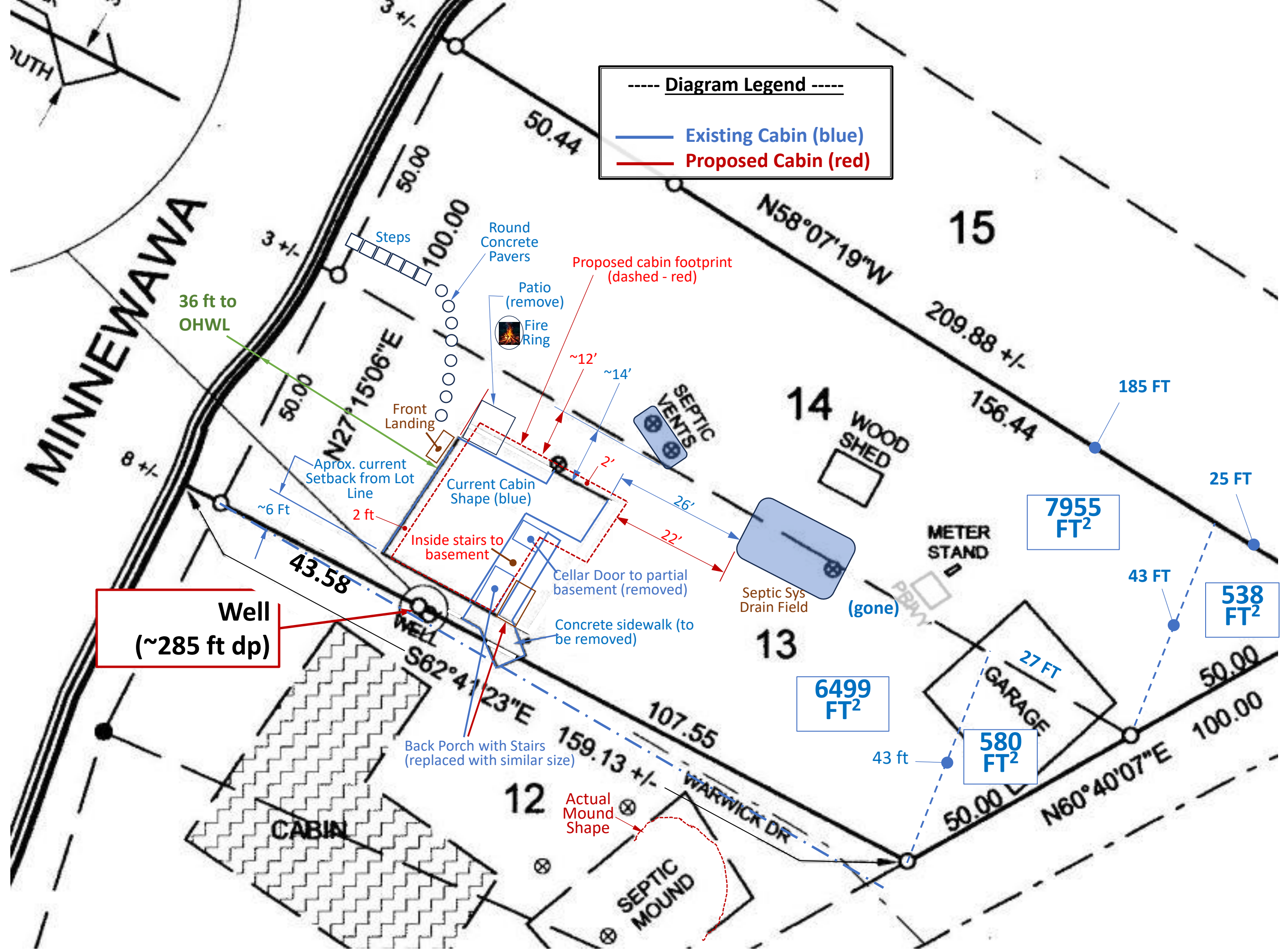
With the above considerations, I am proposing that the current structure be taken down in an orderly fashion in order to construct the basement 2 ft farther from the lake (improving the survival of close proximity trees) and reconstruct the cabin on the newly completed basement, reusing materials from the original structure where possible, in accordance with the architectural plans provided with this variance request.



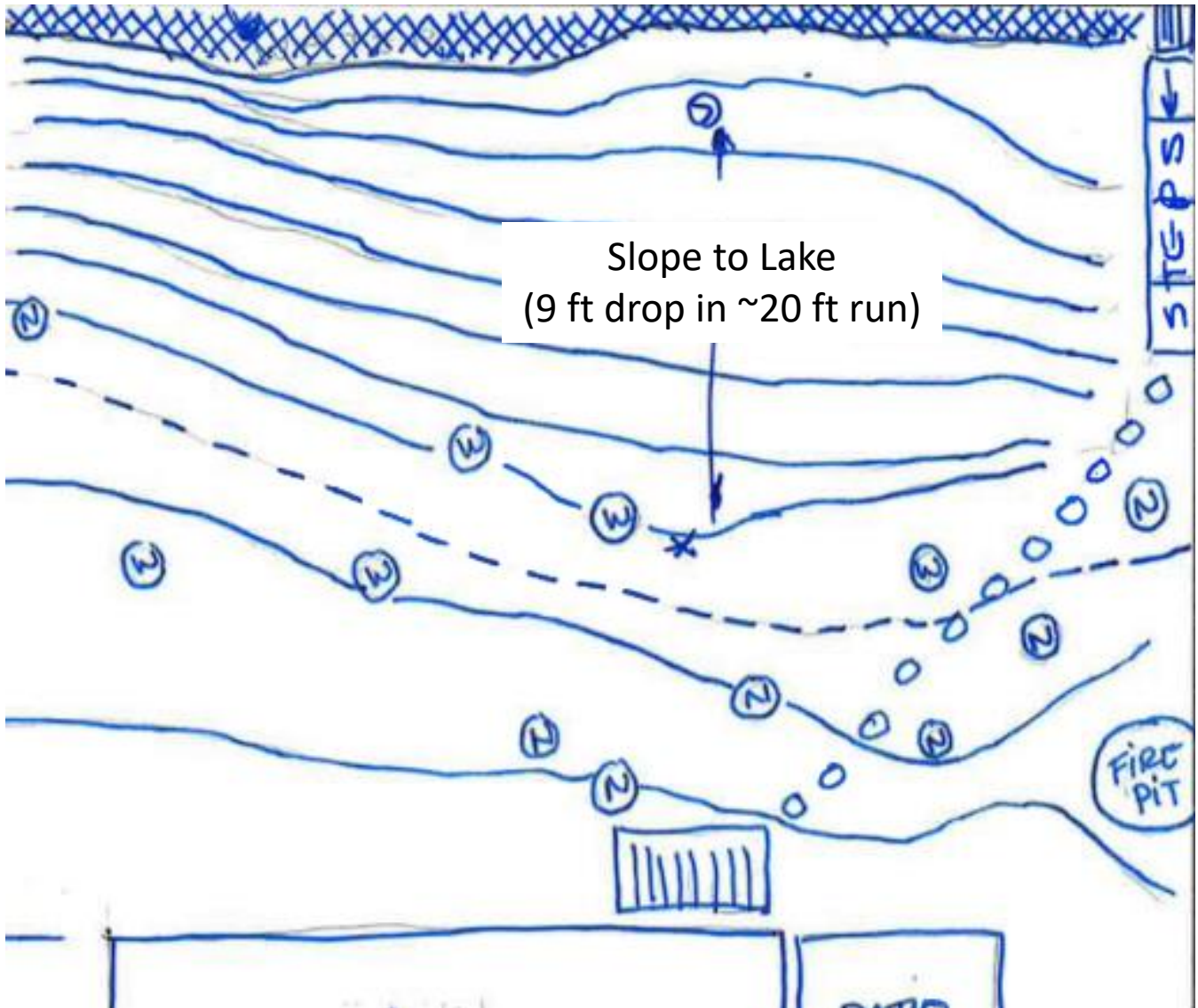


Septic System Location Details

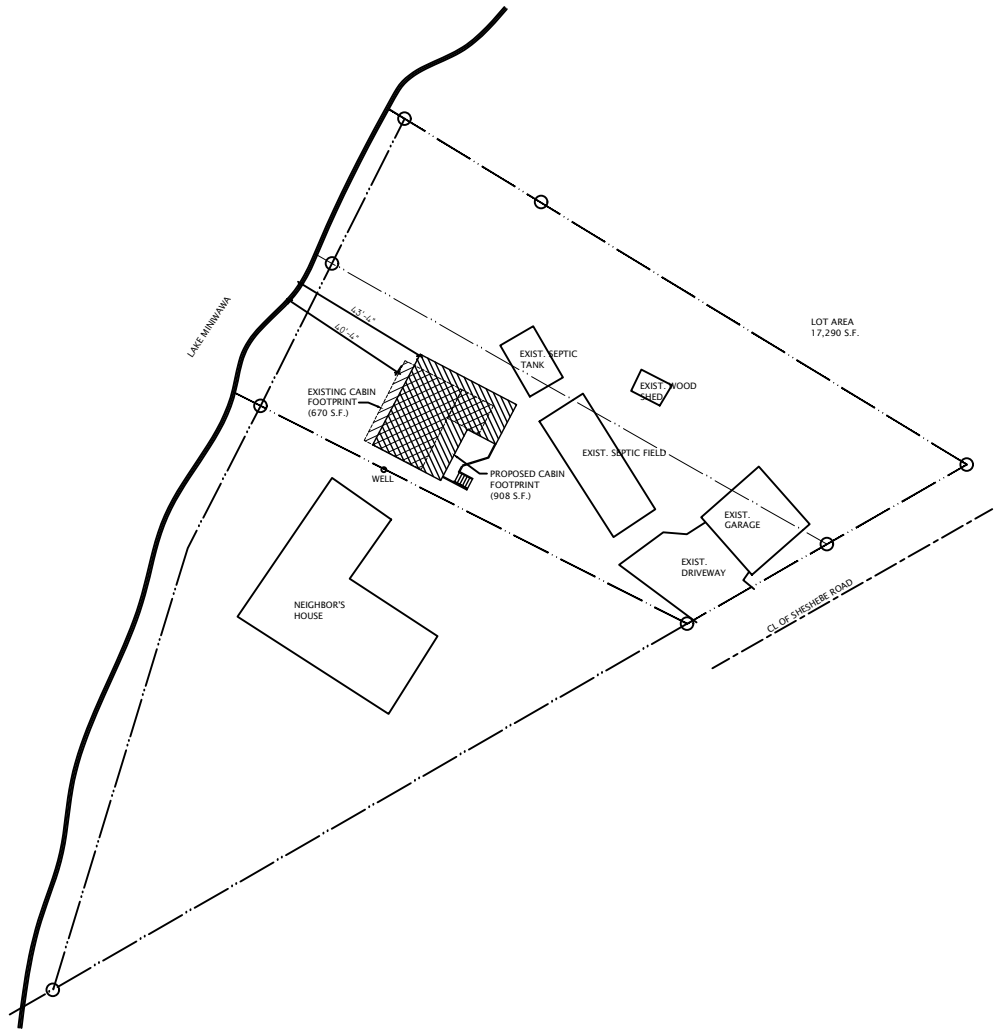




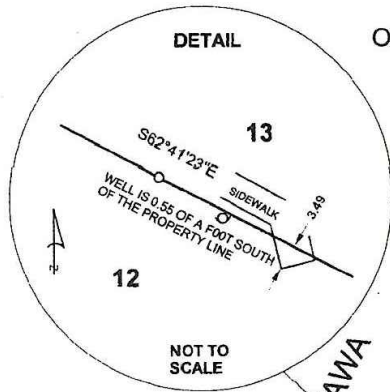
Topography



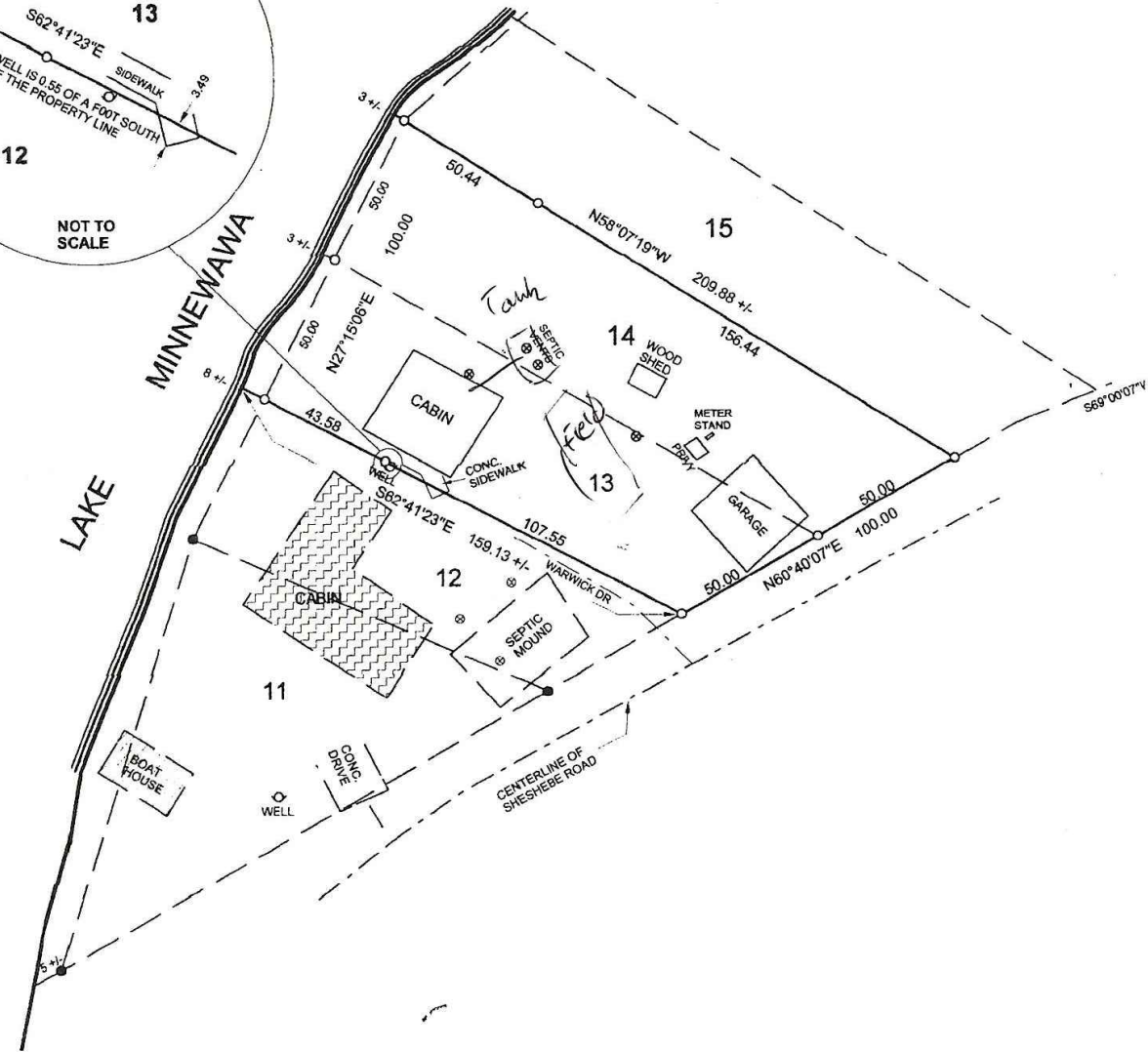
The slope is total covered with ha
heavy layer of pin needles which
prevents most of the erosion.



1
A0.1
PROPOSED SITE PLAN
1" = 60'



DETAIL
13
S62°41'23"E
SIDEWALK
WELL IS 0.55 OF A FOOT SOUTH
OF THE PROPERTY LINE
12
NOT TO
SCALE



SCALE: 1 INCH = 50 FEET
0 25 50 100

- FOUND IRON MONUMENT
- 3/8 INCH DIA. RE-ROD WITH RLS
CAP NO. 17774 ESTABLISHED

BEARING DATUM IS BASED ON THE SOUTH LINE OF
LOT 13 HAVING A BEARING OF S62°41'23"E.

MARVIN KOHOUT
REGISTERED LAND SURVEYOR
PO BOX 384
AITKIN, MN 56431-0384
1-218-927-5452

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

Marvin R Kohout
DATE 3 JAN. 2012 REG. NO. 17774

1
A0.1
EXISTING SITE PLAN/SURVEY
1" = 60'

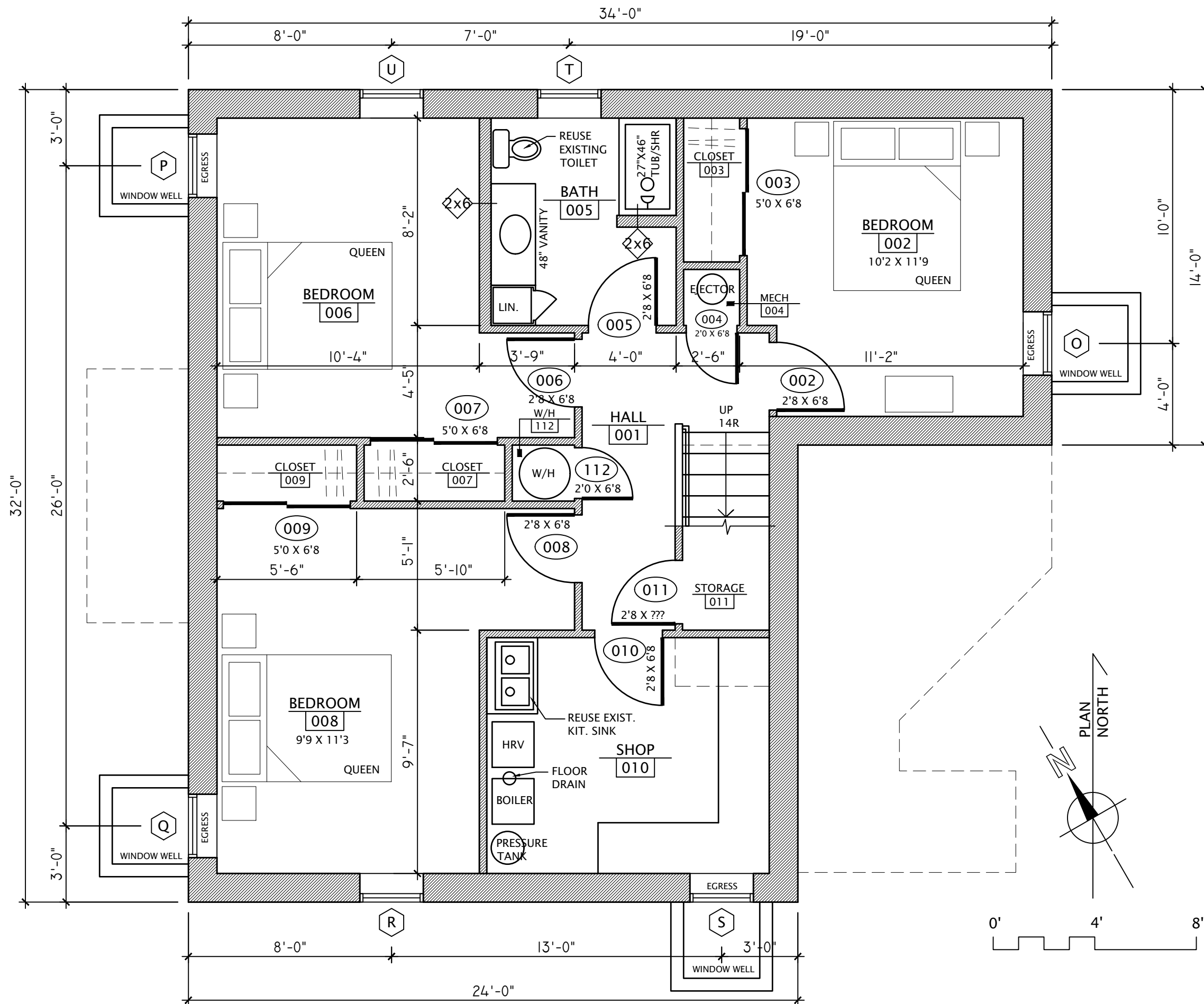
LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE DATE
11/16/2023

SHEET NAME:
SITE PLAN

SHEET #:
A0.1



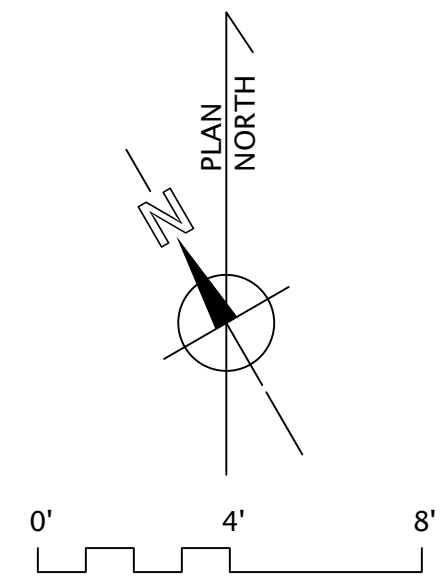
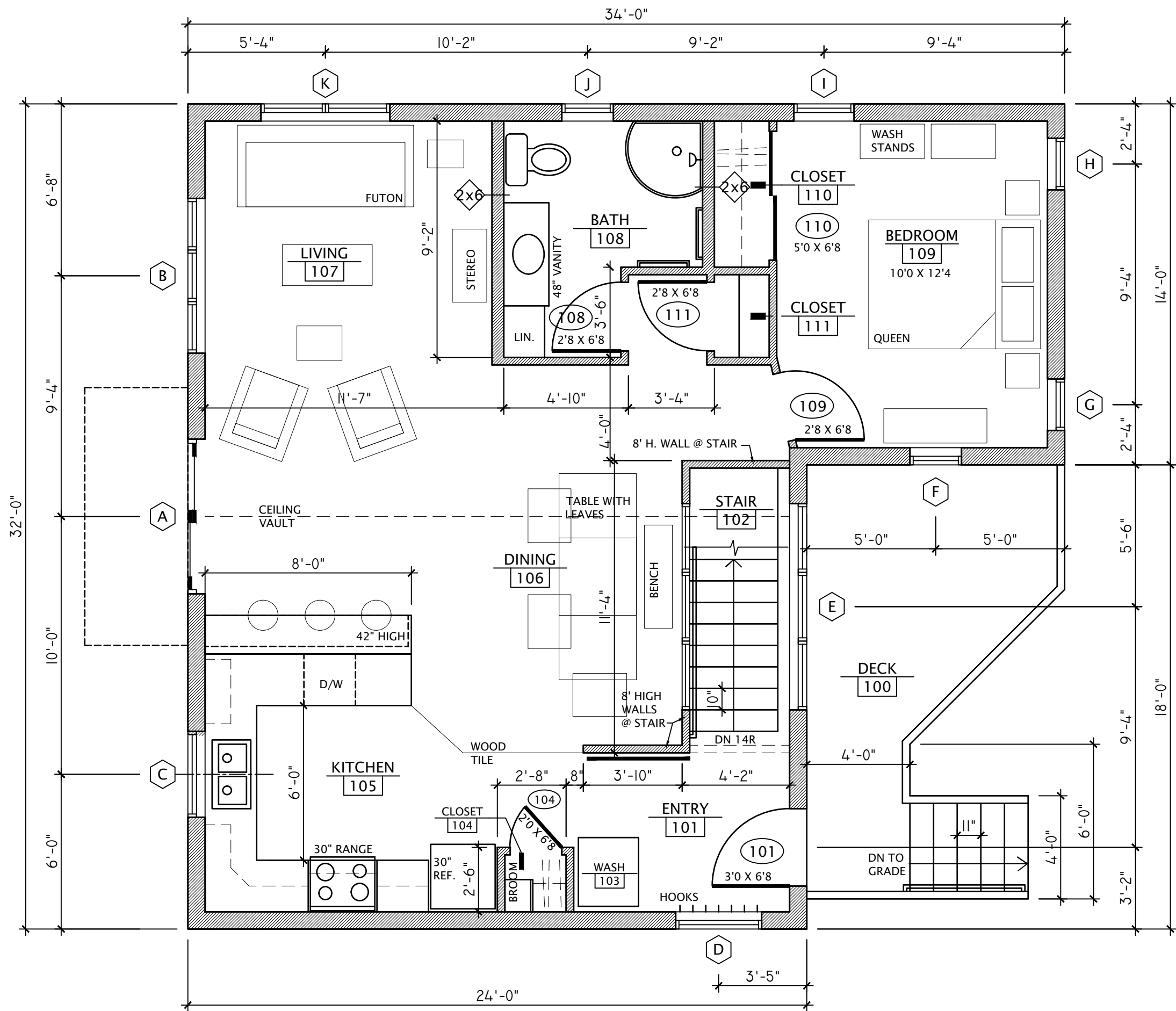
LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE	DATE
	11/16/2025

SHEET NAME:
**BASEMENT
PLAN**

SHEET #:
A1.1



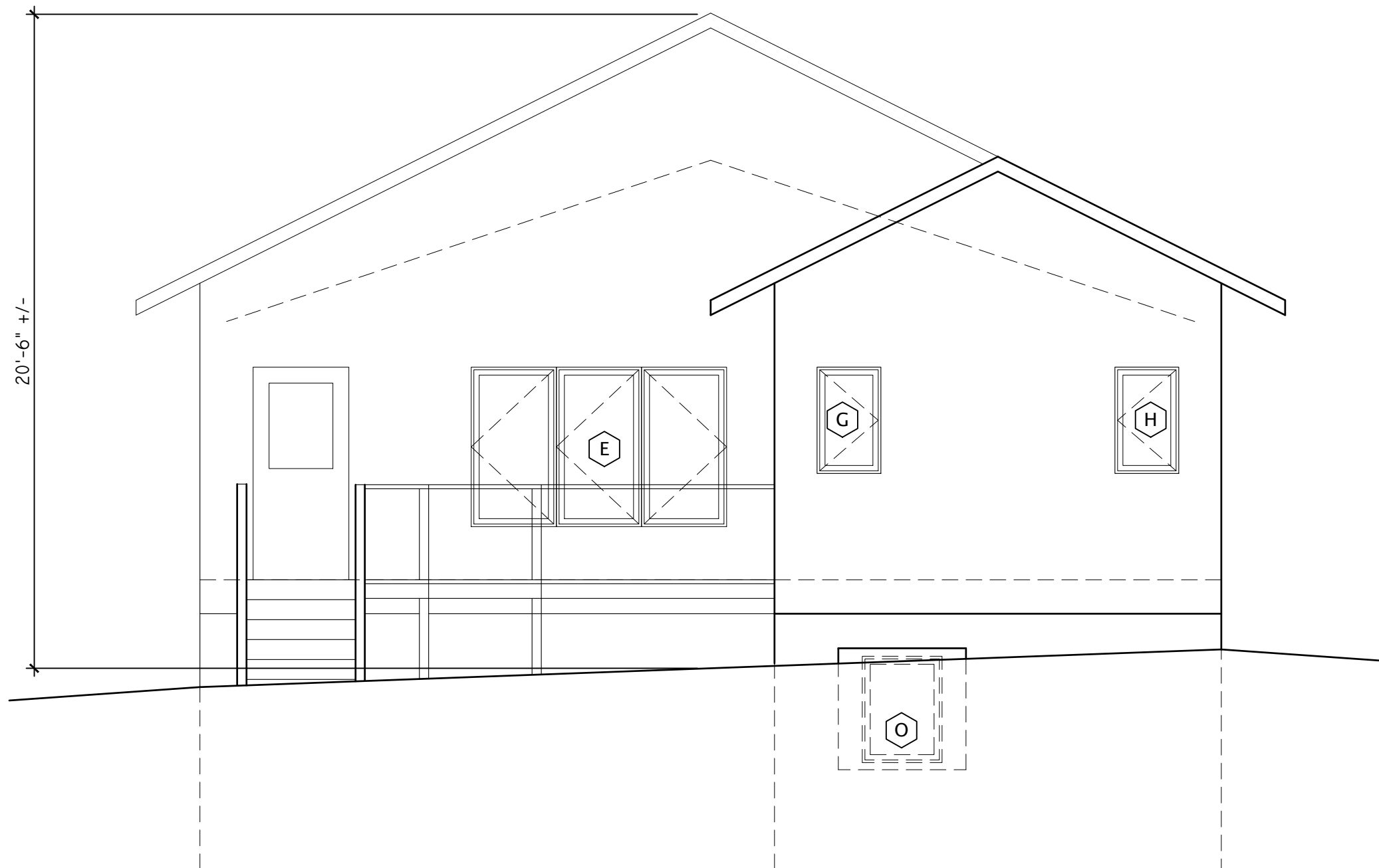
LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
WARWICK CABIN

REVISION/ISSUE DATE
11/16/2023

SHEET NAME:
MAIN FLOOR PLAN

SHEET #:
A1.2



LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE	DATE
	11/16/2023

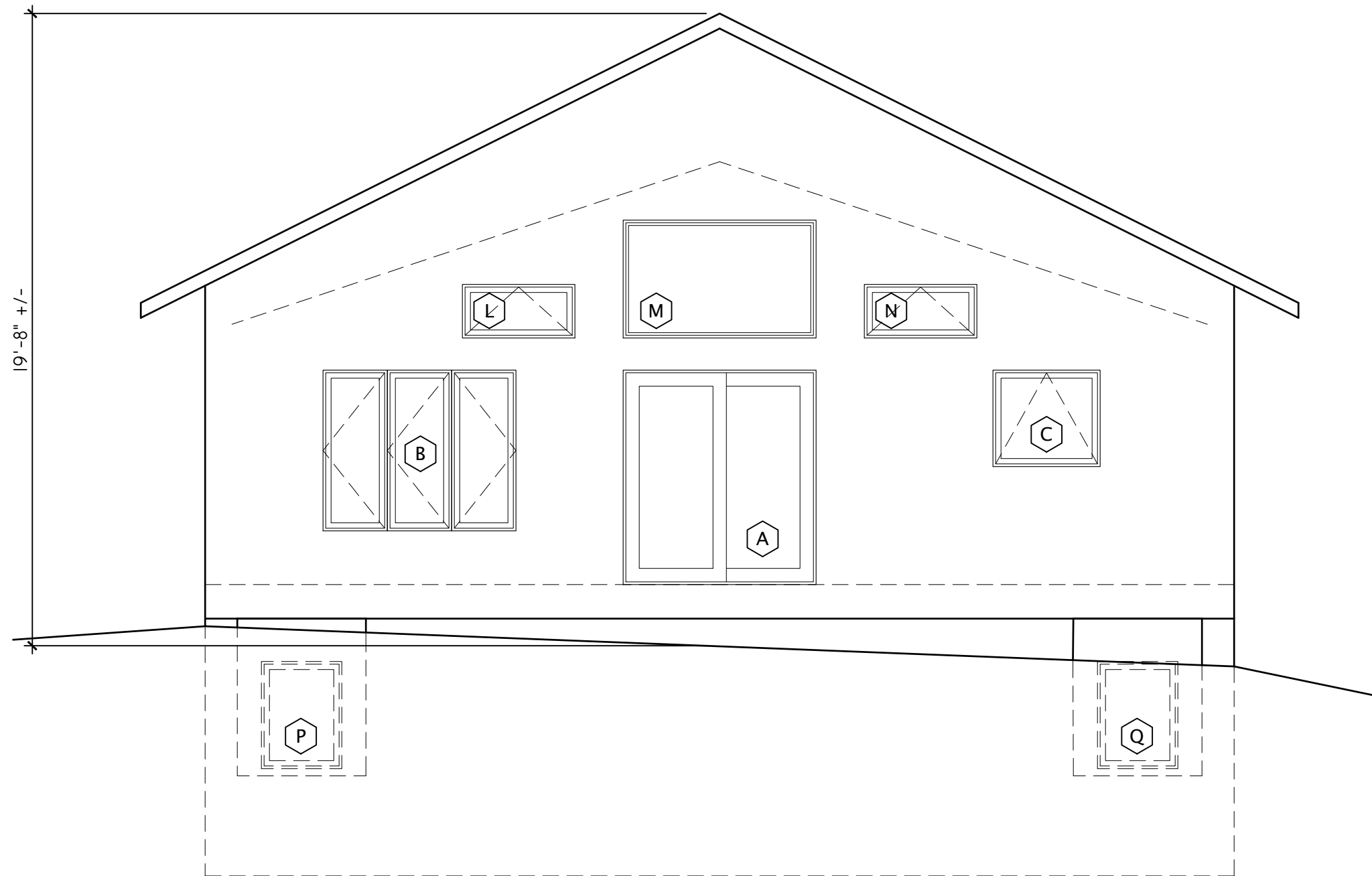
SHEET NAME:
ELEVATION

SHEET #:
A2.1

1
A2.1

ROUGH EAST (ENTRY) ELEVATION

1/4" = 1'-0"



LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE DATE

11/16/2023

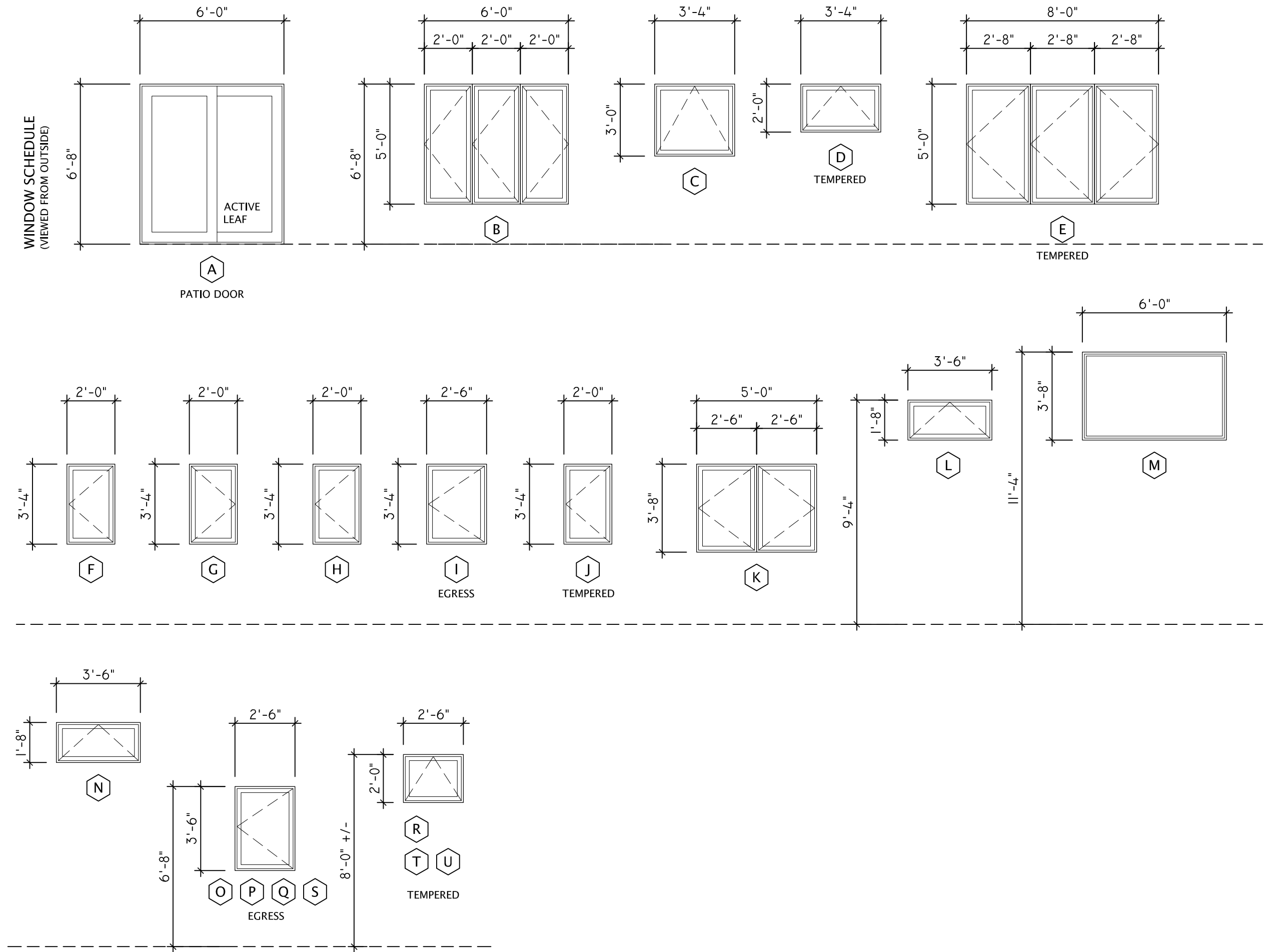
SHEET NAME:
ELEVATION

SHEET #:
A2.2

1
A2.2

ROUGH WEST (LAKESIDE) ELEVATION

1/4" = 1'-0"

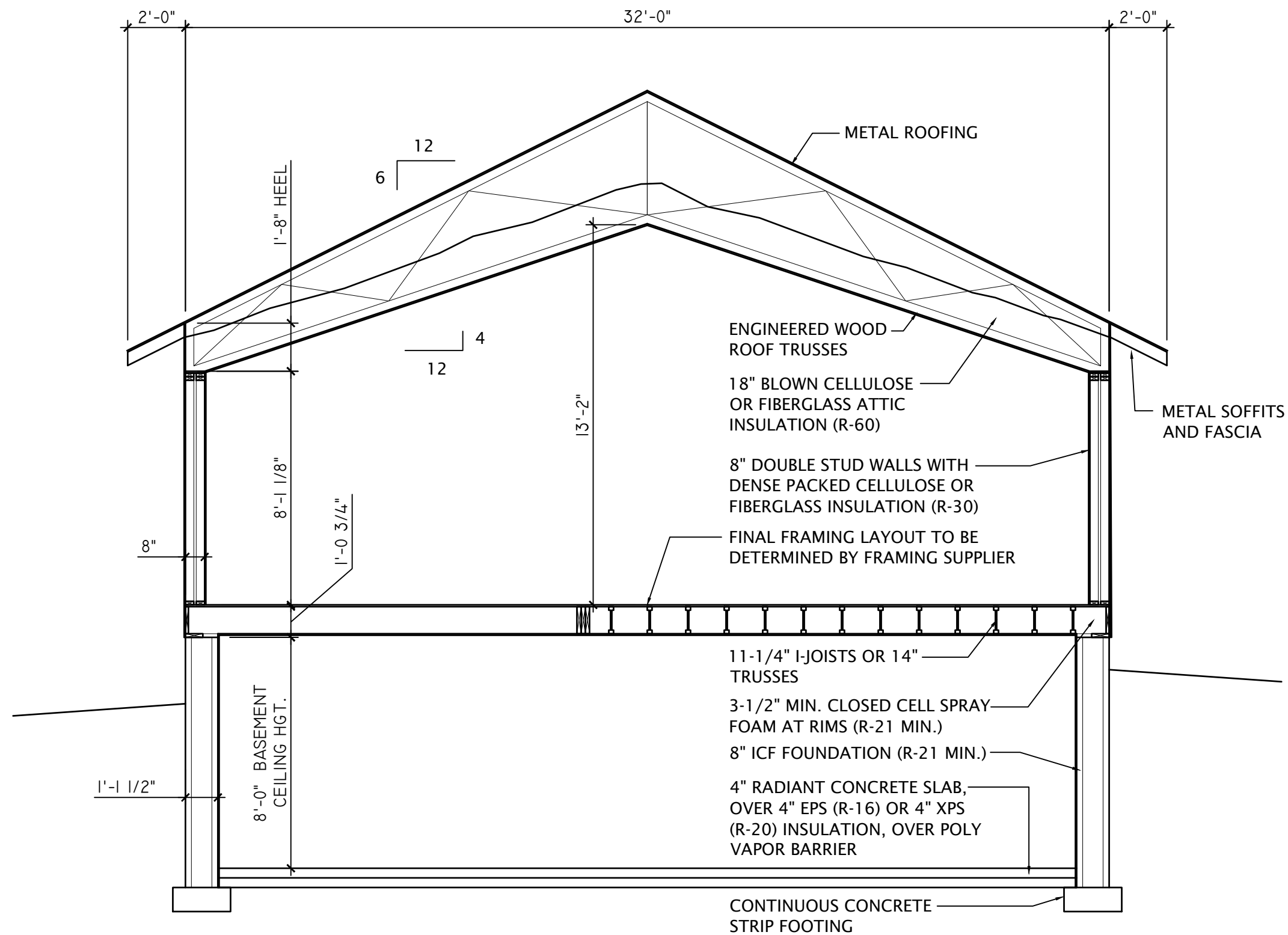


LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE DATE
11/16/2023

SHEET NAME:
**WINDOW
SCHEDULE**
SHEET #:
A2.3



LINE IS 1" LONG WHEN
PRINTED TO SCALE

PROJECT:
**WARWICK
CABIN**

REVISION/ISSUE	DATE
	11/16/2023

SHEET NAME:
**SCHEMATIC
BLDG. SECTION**

SHEET #:
A3.1

1
A3.1

SCHEMATIC BUILDING SECTION

1/4" = 1'-0"


**Minnesota Pollution
Control Agency**

 520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 7/14/2016

☒ **Compliant – Certificate of Compliance**
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

☐ **Noncompliant – Notice of Noncompliance**
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- ☐ Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety
- ☐ Other Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety
- ☐ Tank Integrity (Compliance Component #2) – Failing to protect groundwater
- ☐ Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwater
- ☐ Soil Separation (Compliance Component #4) – Failing to protect groundwater
- ☐ Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 29-1-204000

Property address: 18694. 483rd st., McGregor, Mn. 55760

Reason for inspection: App. for bld. perm.

Property owner: David Warwick
or

Owner's phone: _____

Owner's representative: _____

Representative phone: _____

Local regulatory authority: Aitkin Co. planning and zoning

Regulatory authority phone: 218-927-7342

Brief system description: 1000 gallon septic tank that gravity drains into a drainfield.

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.

Inspector name: Jarold R. Farley

Certification number: 4744

Business name: Farley sewer systems

License number: 1919

Inspector signature: [Signature]

Phone number: 218-839-4737

Necessary or Locally Required Attachments

- ☒ Soil boring logs
- ☒ System/As-built drawing
- ☐ Forms per local ordinance
- ☐ Other information (list): _____

Property address: 18694. 483rd st., McGregor, Mn. 55760

Inspector initials/Date: JRF 7/14/2016
(mm/dd/yyyy)**1. Impact on Public Health – Compliance component #1 of 5****Compliance criteria:**

System discharges sewage to the ground surface.

☐ Yes ☒ No

System discharges sewage to drain tile or surface waters.

☐ Yes ☒ No

System causes sewage backup into dwelling or establishment.

☐ Yes ☒ No**Any "yes" answer above indicates the system is an imminent threat to public health and safety.**

Comments/Explanation:

Verification method(s):☒ Searched for surface outlet☒ Searched for seeping in yard/backup in home☐ Excessive ponding in soil system/D-boxes☐ Homeowner testimony (See Comments/Explanation)☐ "Black soil" above soil dispersal system☐ System requires "emergency" pumping☐ Performed dye test☐ Unable to verify (See Comments/Explanation)☐ Other methods not listed (See Comments/Explanation)**2. Tank Integrity – Compliance component #2 of 5****Compliance criteria:**

System consists of a seepage pit, cesspool, drywell, or leaching pit.

☐ Yes ☒ No*Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*

Sewage tank(s) leak below their designed operating depth.

☐ Yes ☒ No

If yes, which sewage tank(s) leaks:

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

Comments/Explanation:

tank was pumped by kangas on july 14 2016 .

Verification method(s):☒ Probed tank(s) bottom☐ Examined construction records☐ Examined Tank Integrity Form (Attach)☐ Observed liquid level below operating depth☒ Examined empty (pumped) tanks(s)☐ Probed outside tank(s) for "black soil"☐ Unable to verify (See Comments/Explanation)☐ Other methods not listed (See Comments/Explanation)**3. Other Compliance Conditions – Compliance component #3 of 5**a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknownb. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. ☐ Yes* ☒ No ☐ Unknown***System is an imminent threat to public health and safety.**

Explain:

c. System is non-protective of ground water for other conditions as determined by inspector. ☐ Yes* ☒ No***System is failing to protect groundwater.**

Explain:

Property address: 18694. 483rd st., McGregor, Mn. 55760

Inspector initials/Date: JRF 7/14/2016
(mm/dd/yyyy)**4. Soil Separation – Compliance component #4 of 5**

Date of installation: _____

(mm/dd/yyyy)

☒ Unknown

Shoreland/Wellhead protection/Food beverage lodging?

☒ Yes ☐ No**Compliance criteria:**

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.

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.*

"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required))

☐ Yes ☐ No

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

Any "no" answer above indicates the system is failing to protect groundwater.**Verification method(s):**

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

☒ Conducted soil observation(s) (Attach boring logs)☐ Two previous verifications (Attach boring logs)☐ Not applicable (Holding tank(s), no drainfield)☐ Unable to verify (See Comments/Explanation)☐ Other (See Comments/Explanation)**Comments/Explanation:**

0-5" top soil 10 yr 3/2

5-60" sandy loam 10 yr 4/6

no mottles @ 60"

Indicate depths or elevations

A. Bottom of distribution media 98

B. Periodically saturated soil/bedrock 95

C. System separation 36"

D. Required compliance separation* 36"

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

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 ☒ Not applicableIs the system operated under an Operating Permit? ☐ Yes ☐ No If "yes", A below is requiredIs the system required to employ a Nitrogen BMP? ☐ 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. Operating Permit number: _____

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.**

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.

Jarold

FARLEY SEWER
SYSTEMS

SEWER DESIGN & INSTALLATION

JAROLD R. FARLEY

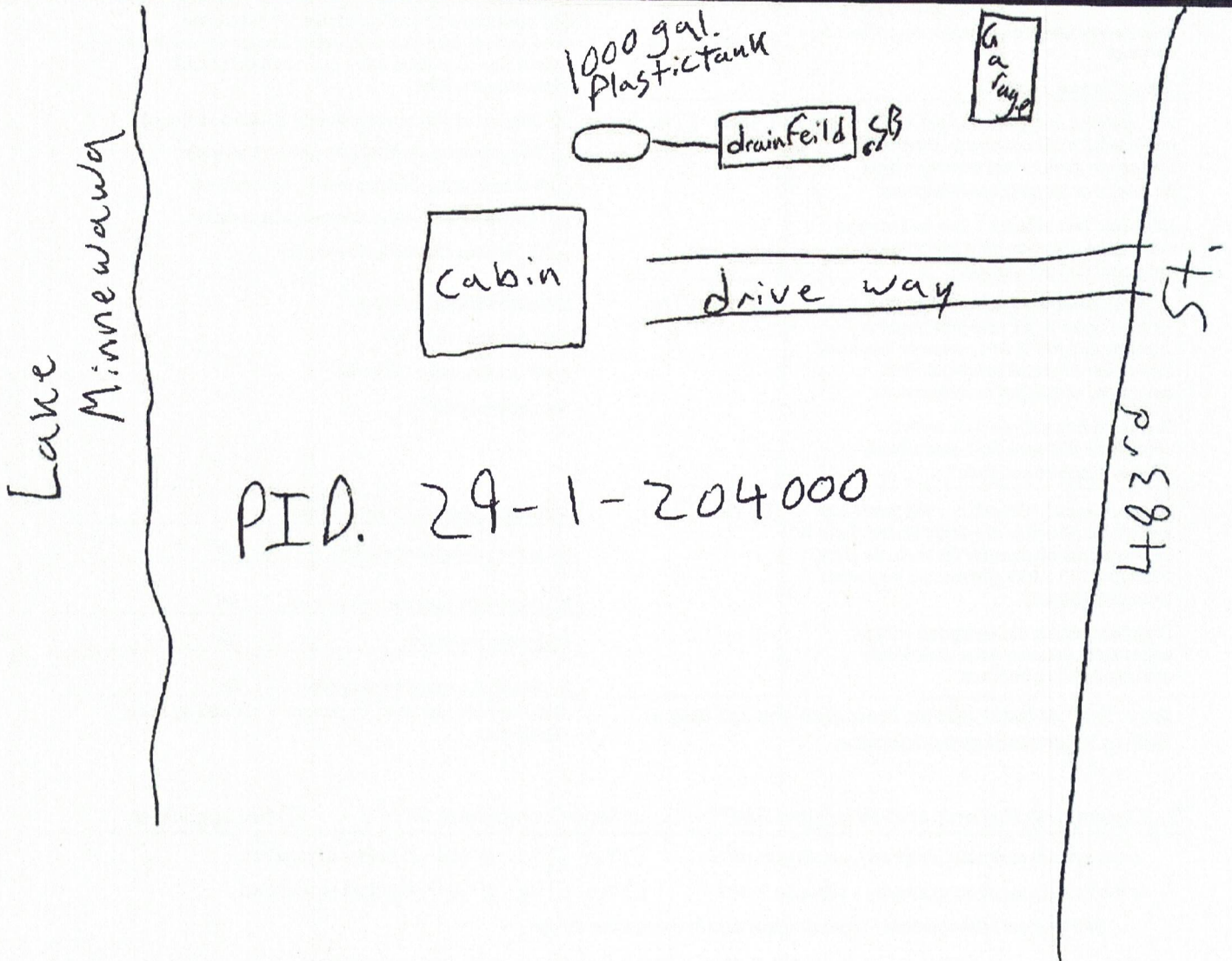
P.O. Box 472

McGregor, MN 55760

Bus. Lic. No. L1919

Reg. No. 4744

218-839-4737 cell



AITKIN COUNTY 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: 6D
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2)..... 2: 75
- 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: 36
- 4) Enter the corresponding 'Score Multiplier' 4: 1.33
- 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: 47.88

Reference Table: Performance Multipliers for structures, septs, 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
- 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) 47.88 + Mitigation Totals (Lines A-I) 40 = 87.88

*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

Wanda S. Wornick
Applicant

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 18694 483RD ST MCGREGOR MN 55760 (ON LAKE MINNEWAHA)

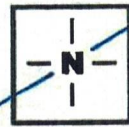
Builder _____ Owner DAVID WARWICK

Worksheet Completed By DAVID WARWICK Date 8/14/16

Amount of earthen material to be excavated and/or used for fill ~ 215 cubic yards.

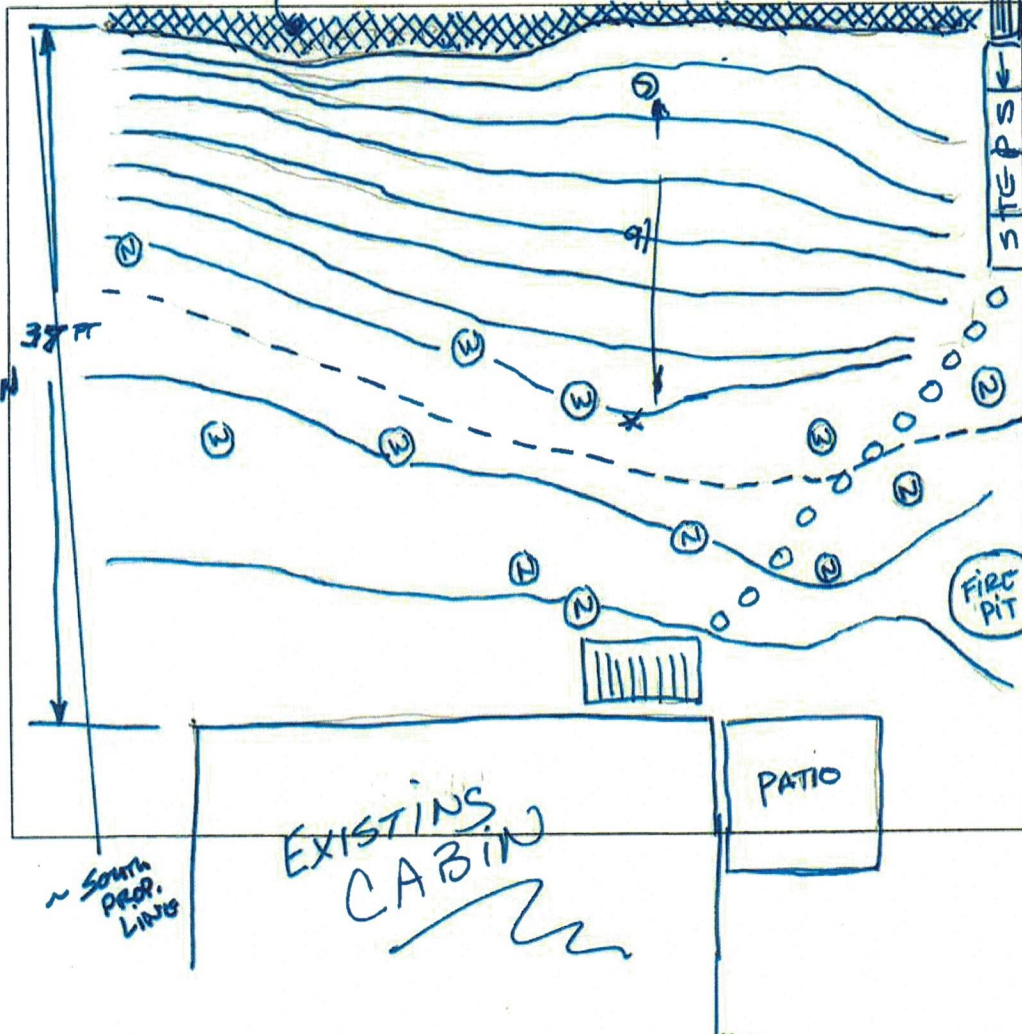
$$\begin{array}{r} 30 \times 31 = 275 \\ - 20 \times 10 = 59 \text{ ALREADY EXCAVATED} \\ \hline 215 \end{array}$$

SITE DIAGRAM WATER 3.7" = 37 FT Scale 1 inch = 10 FT 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



313431

FILED NOV 16 1998 AT 9A M ROGER HOWARD ACT. CO. RECORDER

CERTIFICATE OF REAL ESTATE
 FILED (X) NOT
 CERTIFICATE OF REAL

NO DELINQUENT TAXES
 AND TRANSFER ENTERED

This 16 Day Nov of 1998

Alice R. Dathler

County Auditor

Maria Burman Deputy

Personal Representative's Deed of Distribution

Date: NOVEMBER 4, 1998

NO STATE DEED TAX DUE HEREON

David S. Warwick, Grantor, as Personal Representative of the Estate of Beverley J. Warwick, single at the time of death, hereby conveys to David S. Warwick, Grantee, real property in Aitkin County, Minnesota, described as follows:

Lot 13, Sheshebe Point 2nd Addition,

together with all hereditaments and appurtenances belonging thereto.

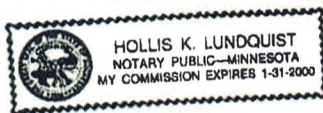
David S. Warwick

David S. Warwick

STATE OF MINNESOTA)
) ss.
 COUNTY OF HENNEPIN

The foregoing instrument was acknowledged before me this 4th day of November, 1998, by David S. Warwick, Personal Representative of the Estate of Beverley J. Warwick, Decedent.

NOTARIAL STAMP OR SEAL



Hollis K. Lundquist
 SIGNATURE OF PERSON TAKING ACKNOWLEDGMENT

THIS INSTRUMENT WAS DRAFTED BY:

Hollis K. Lundquist
 Attorney at Law
 5856 Dupont Avenue South
 Minneapolis, Minnesota 55419-2109
 Attorney Registration No. 65262

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED
 IN THIS INSTRUMENT SHOULD BE SENT TO (INCLUDE NAME
 AND ADDRESS OF GRANTEE):

David S. Warwick
 5081 Edgewood Drive
 Mounds View, Minnesota 55112

17
Pd 19.50
11-16-9

Holles A. Lundquist
Dty at Law
5856 Dupont Ave. S
Mpls, Minn 55419-2109

20

RECORDED _____
TRACT INDEX _____
GRANTOR _____
GRANTEE _____
COMPARED _____

4

OFFICE OF COUNTY RECORDER
AITON COUNTY, MINNESOTA
☐ WILL CERTIFICATE RECEIVED
☒ WILL CERTIFICATE NOT REQUIRED

COUNTY RECORDER
AITON COUNTY, MINNESOTA
FILED

NOV 16 1998 9AM

Vign. Hand
Aly. Cnty. Recorder
As Dec. No.

313433

313433 FILED NOV 16 1998 AT 9A M

ROGER HOWARD ACT. CO. RECORDER

CERTIFICATE OF REAL ESTATE
VALUE () FILED (X) NOT
REQUIRED CERTIFICATE OF REAL
ESTATE VALUE NO

NO DELINQUENT TAXES
AND TRANSFER ENTERED

This 16 Day Nov of 1998

Alice D. Dattler

Co. Auditor
Maria Burman Deputy

Personal Representative's Deed of Distribution

Date: November 4, 1998

NO STATE DEED TAX DUE HEREON

David S. Warwick, Grantor, as Personal Representative of the Estate of Beverley J. Warwick, single at the time of death, hereby conveys to David S. Warwick, Grantee, real property in Aitkin County, Minnesota, described as follows:

Lot 14, Sheshebe Point 2nd Addition,

together with all hereditaments and appurtenances belonging thereto.

Grantor certifies that Grantor does not know of any wells on the above-described property.

David S. Warwick

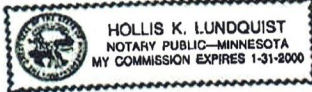
David S. Warwick

STATE OF MINNESOTA)

) ss.
COUNTY OF HENNEPIN

The foregoing instrument was acknowledged before me this 4th day of November 1998, by David S. Warwick, Personal Representative of the Estate of Beverley J. Warwick, Decedent.

NOTARIAL STAMP OR SEAL



Hollis K. Lundquist

SIGNATURE OF PERSON TAKING ACKNOWLEDGMENT

THIS INSTRUMENT WAS DRAFTED BY:

Hollis K. Lundquist
Attorney at Law
5856 Dupont Avenue South
Minneapolis, Minnesota 55419-2109
Attorney Registration No. 65262

TAX STATEMENTS FOR THE REAL PROPERTY DESCRIBED
IN THIS INSTRUMENT SHOULD BE SENT TO (INCLUDE NAME
AND ADDRESS OF GRANTEE):

David S. Warwick
5081 Edgewood Drive
Mounds View, Minnesota 55112

46
1.65

1/2
Pd 1950
w.c. pd 20.00

11-16-9

Halle K. Lundquist
City of St. Paul
5856 Duport ave. S.
Mpls., Mn 55419-2109

RECORDED
TRACT INDEX
GRANTOR
GRANTEE
COMPARED

(2)

OFFICE OF COUNTY RECORDER
AITKEN COUNTY, MN
☒ WILL CERTIFICATE RECEIVED
☐ WILL CERTIFICATE NOT REQUIRED

COUNTY RECORDER
AITKEN COUNTY, MINNESOTA
FILED

NOV 16 1998 9AM

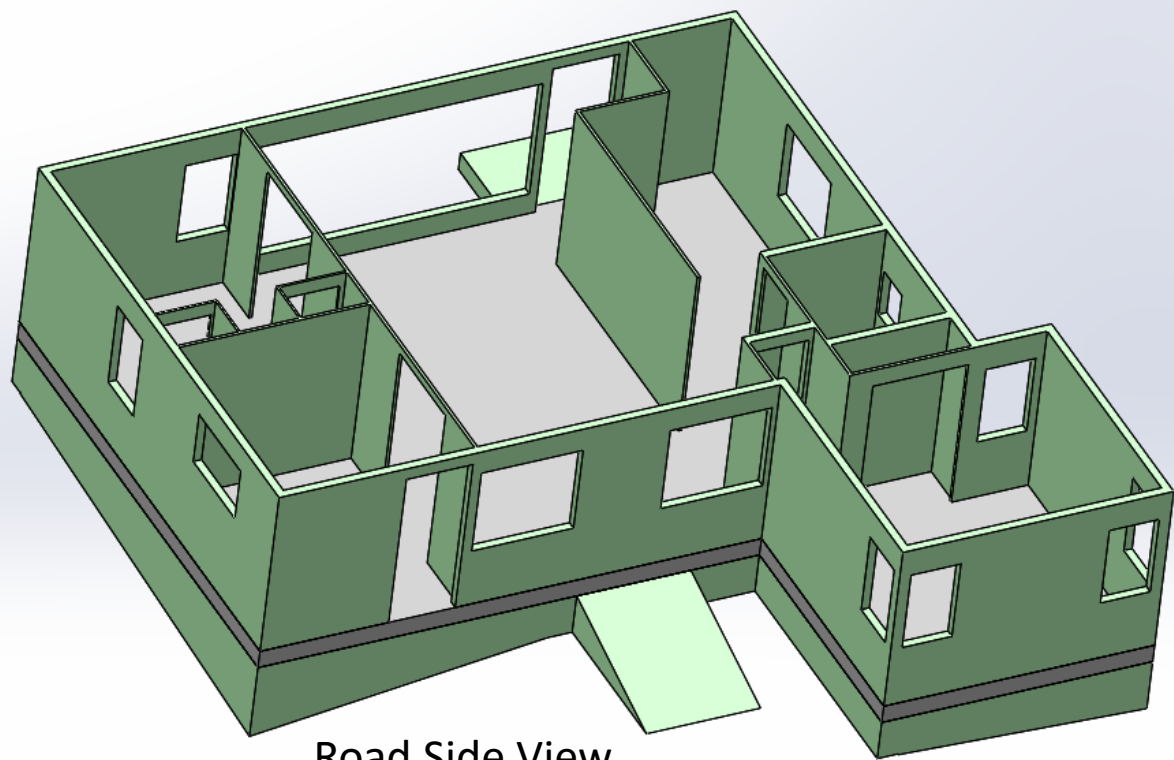
Ryan Hand
City of St. Paul
As Obs. No.

313431

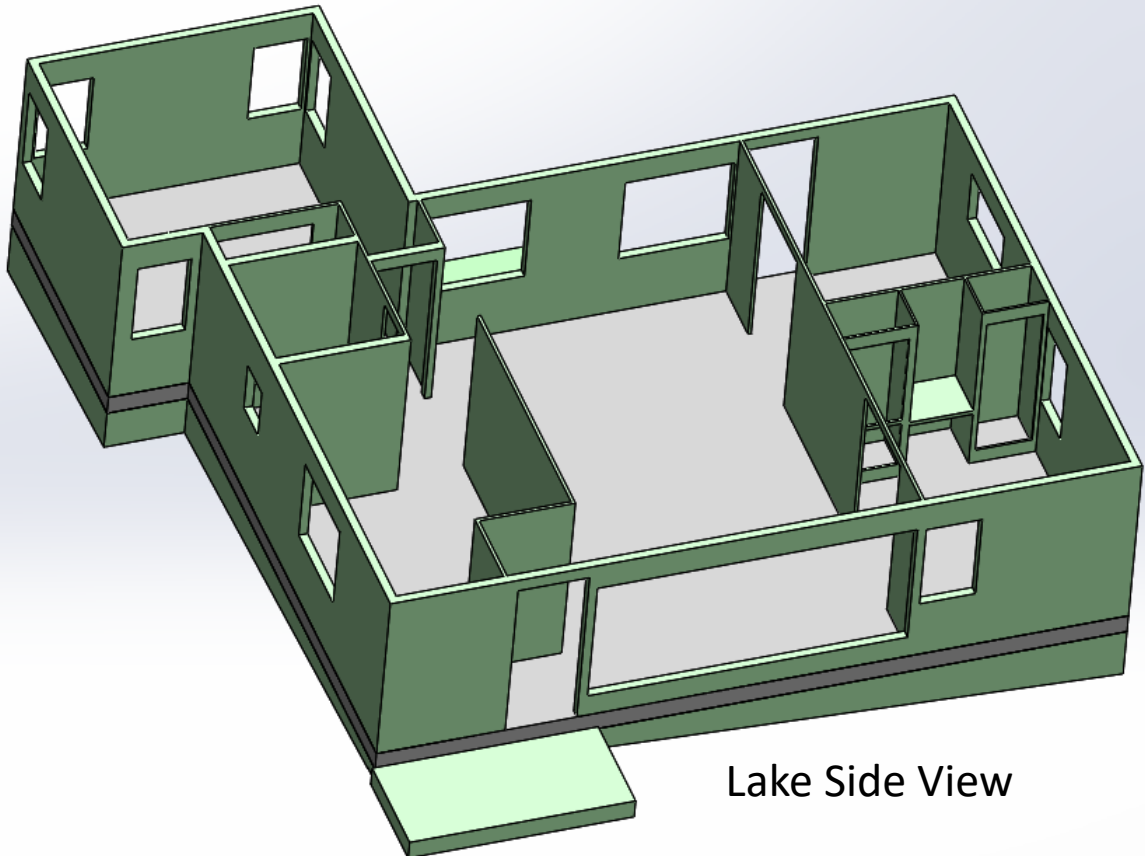
Views of the Current Cabin

CAD Model of current Cabin

Showing Room Layout



Road Side View



Lake Side View



Road Side View
from the end of
the driveway



Road Side – Back
Entrance to cabin
showing stairs
and landing



Road Side – Back
Entrance to cabin
and Steel Bulkhead
Door to Cellar



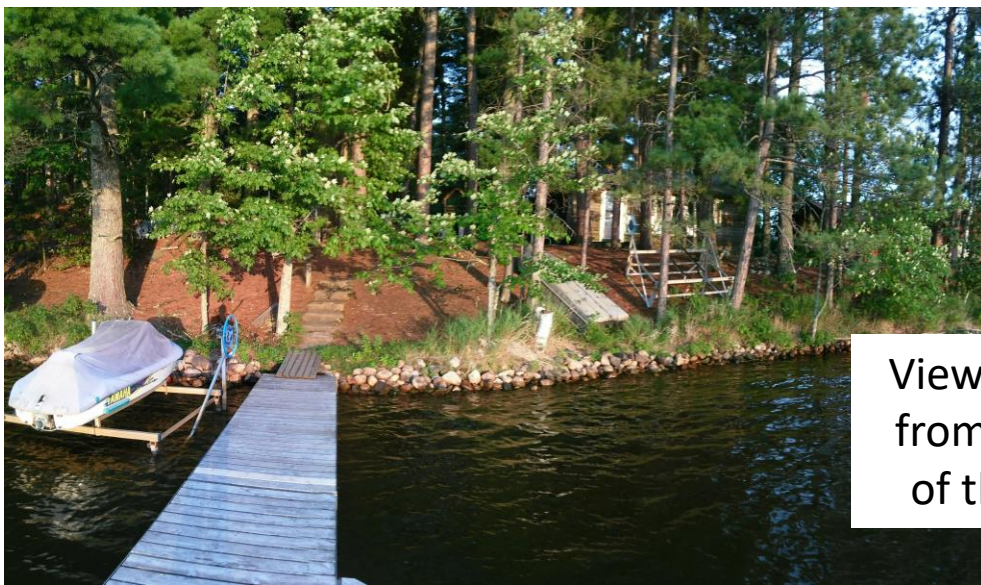
Road Side View
from
Woodshed



View from steps
by lakefront



Lake Side View
of the Cabin



View of Cabin
from the End
of the Dock

CERTIFICATE OF SURVEY

OF LOTS 13 & 14, SHESHEBEE POINT 2ND ADDITION
AITKIN COUNTY, MINNESOTA

DETAIL

13

S62°41'23"E

SIDEWALK

3.49

WELL IS 0.55 OF A FOOT SOUTH
OF THE PROPERTY LINE

12

NOT TO
SCALE

MINNEWAWA

LAKE

BOAT HOUSE

11

CONC.
DRIVE

WELL

CABIN

CONC.
SIDEWALK

SEPTIC
MOUND

12

S62°41'23"E

43.58

159.13 +/-

107.55

WARWICK DR

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Property Location

Property:	Property Location								Property Attributes	
	Parcel Number	Property Address	Township or City Name	Owner Name(s)	Taxpayer Name(s)	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name
	11-0-001000	44373 Conifer St AITKIN, MN 56431	HAZELTON TWP	SMYTHE, CRAIG R & DIANE M	SMYTHE, CRAIG R & DIANE M	PART OF GOVT LOT 2 FORMERLY KNOWN AS LOT 9 BLOCK 3 OF NORTH SHORE MILLE LACS LAKE PLAT (NOW VACATED)		S:5 T:44 R:27	GD	MILLE LACS
Driving directions to the proposed project from Aitkin:	<p>From Aitkin:</p> <p>Go south on US-169 (~15 miles)</p> <p>Turn left (south) onto 37 (just east of North Garrison Public Access)</p> <p>Turn left (east) onto Conifer St.</p> <p>Property is a block down on right.</p>									
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 Attachment
Attach prepared narrative here:	File 1:  Variance_Narrative_-_Slide_Deck_020626.pdf
Provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:	Shoreland Management Ordinance Section 5.0




Supplemental Data

Attach completed form here:	File 1:  supplemental-data.pdf
-----------------------------	---


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 style="border: 1px dashed black; padding: 10px;"> <p>File 1:  L9_B3_NORTH_SHORE_MILLE_LACS_LAKE_CRAIG_SMYTHE_2025-11918.pdf</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 style="border: 1px dashed black; padding: 10px;"> <p>File 1:  House44373-012926LEAN_East-Side_View.PDF</p> <p>File 2:  House44373-012926LEAN_Floor_Plans.PDF</p> <p>File 3:  House44373-012926LEAN_Iso-Views.PDF</p> </div>
--	---

Certificate of Septic Compliance

<p>Attach a copy of one of the following, if applicable:</p> <ul style="list-style-type: none"> - A current compliance inspection on an existing septic system. - A design for a new/replacement septic system. 	<div style="border: 1px dashed black; padding: 10px;"> <p>File 1:  SEPTIC_COMPLIANCE_080525.pdf</p> </div>
---	---

Shoreland Performance Worksheet

Complete the Shoreland Performance Worksheet and attach here:

File 1:  [1515_001.pdf](#)

Standard Erosion Control Plan

Attach the completed Standard Erosion Control Plan here:

File 1:  [erosion-control-plan.pdf](#)

File 2:  [Erosion_Site_Diagram.pdf](#)

Property Deed

Attach the property deed:

File 1:  [PROPERTY_DEED_-_SMYTHE_pg1.pdf](#)

File 2:  [PROPERTY_DEED_-_SMYTHE_pg2.pdf](#)

File 3:  [PROPERTY_DEED_-_SMYTHE_pg3.pdf](#)

File 4:  [PROPERTY_DEED_-_SMYTHE_pg4.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 #68779 (02/06/2026) Expected Payment Method: Pay Online - Card or ECheck

Charge	Cost	Quantity	Total
Recording Fee added 02/06/2026 11:45 AM (Nonrefundable)	\$46.00	x 1	\$46.00
Variance added 02/06/2026 11:45 AM (Nonrefundable)	\$650.00	x 1	\$650.00
Grand Total			
Total			\$696.00
Payment 02/06/2026			\$696.00
Due			\$0.00

Results ([Go to top](#))

Signature accepted

Failed to send [Variance Ready for Action](#) notification to:**Approvals**

Approval	Signature
----------	-----------

Applicant	Craig Smythe - 02/06/2026 1:14 PM 76e00b72095f5ff7ac89d19e08f2143c 61995895237dc27d6c33f629b1aff3fc
#1 Administrative Review	Kim Burton - 02/06/2026 2:16 PM a55c1b34cc4eada7fa503d4b2849eaca 0b0b7f0fda97b46fc9c213a779d6d868
#2 Board of Adjustment Approval	

Public Notes

Text:	<div></div>
File(s):	<div></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

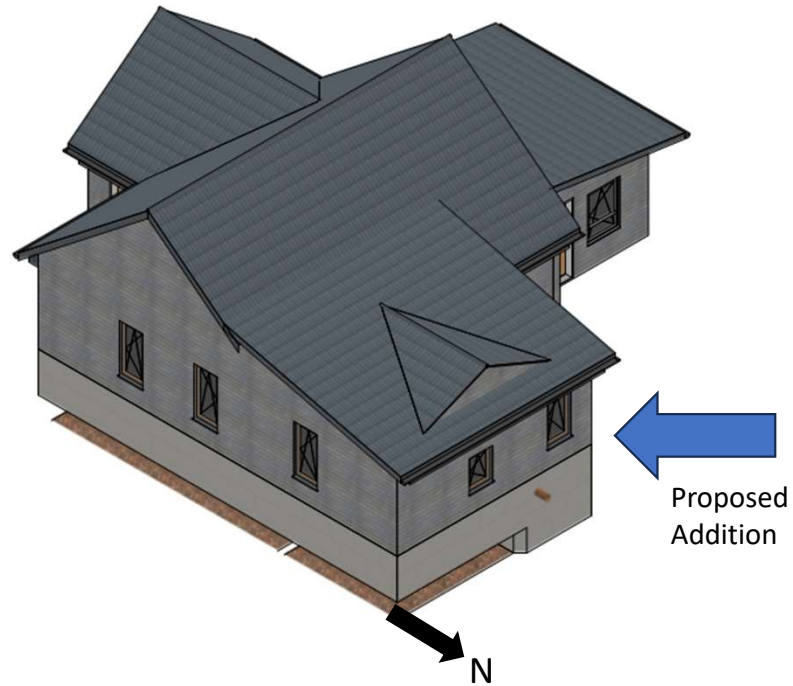
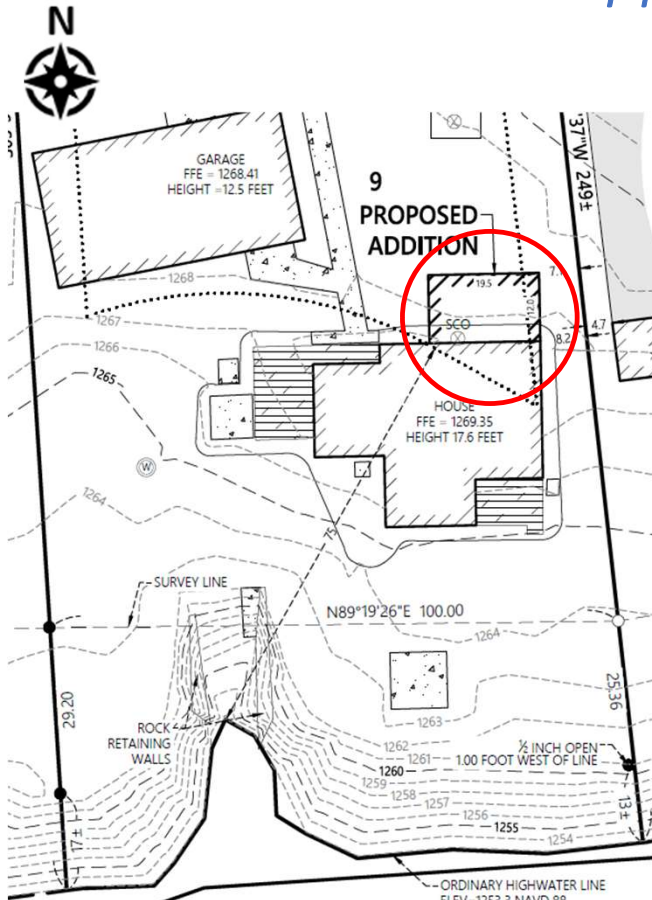
	Current Number	Next from Sequence
UID #	219880	<i>not applicable</i>
App. #	<input type="text" value="2026-000028"/>	«« 2026-000029
Permit #	<input type="text"/>	«« 2026-0018

[Print View](#)

Background

- Address: 44373 Conifer St., Aitkin, Hazelton TWP (North End of Mille Lacs Lake)
- Purchased: 5/2013 (Build 1946)
- Property Updates: No variance applications to date, only permits for a deck addition (10/2019 permit #44742), garage addition (3/2021 permit #45805), patio (3/2025 permit #49879) and a state electrical permit.
- Retired 6/2021, joined both my spouse and granddaughter who were living here since 8/2018 to attend school in Aitkin.
- With three of use the home is tight (1200 sq-ft), has only a ½ bath and a shower in the basement. There are only two small rooms North Bedroom (94 sq-ft) and South Bedroom (122 sq-ft).
- ***Variance Request if granted increases the size of the north bedroom while adding sufficient space for a full bathroom on ground level and a bathroom in the basement.***

Proposal Addition

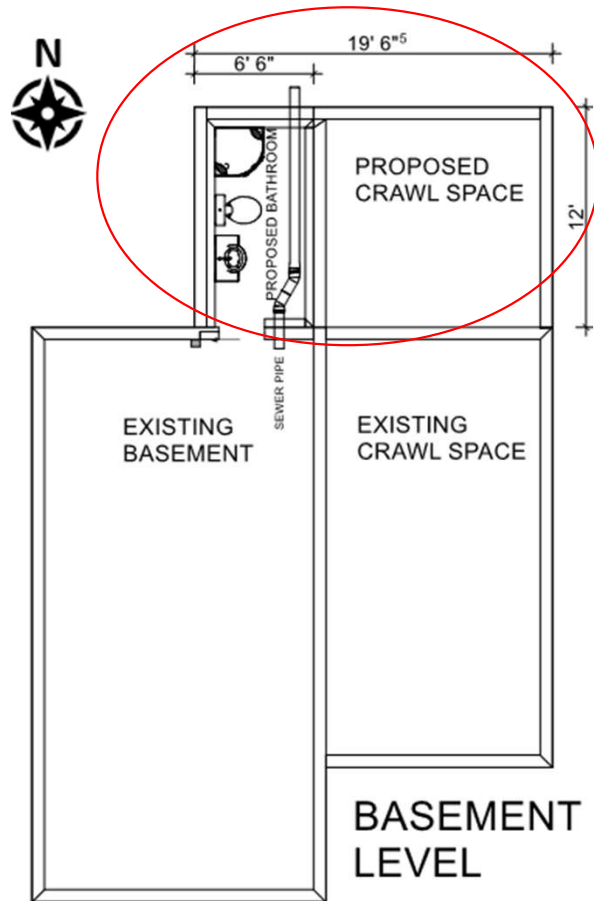


- Proposal would be to add to the existing structure (1200 sq-ft) a 12' X 19-1/2' addition located at the NE corner. This would increase the size house by < 20%.

Ground Level Proposed Addition

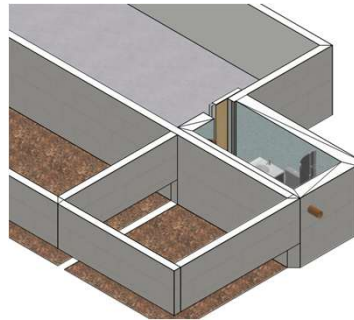


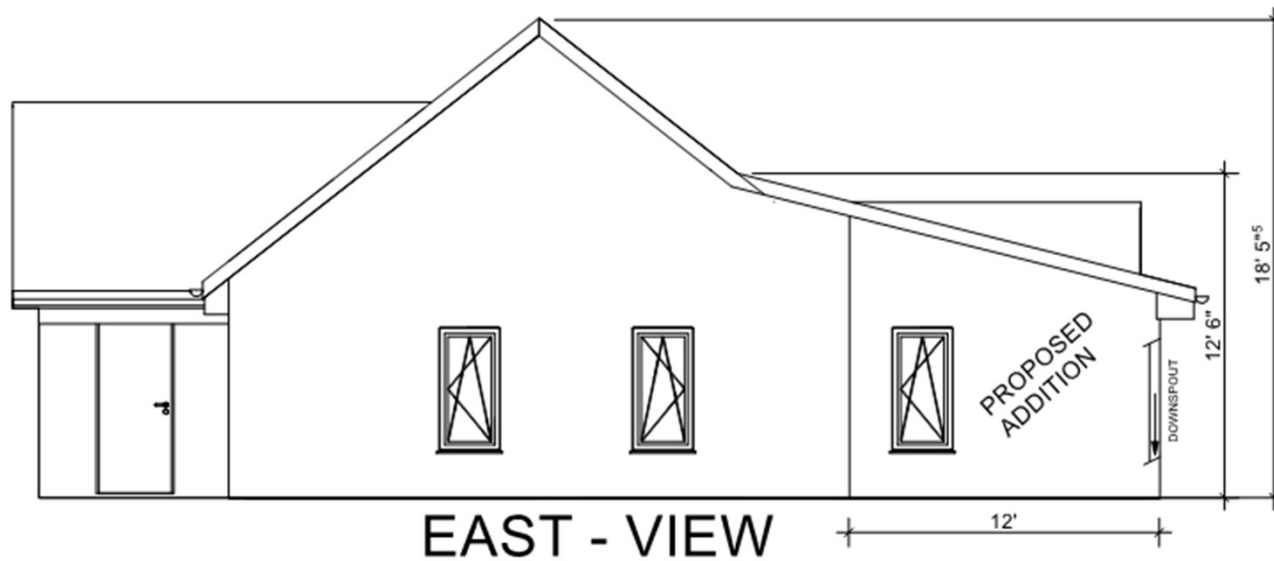
- Current situation features two small bedrooms on ground level, a North Bedroom (94 sq-ft) and a South Bedroom (122 sq-ft).
- With the proposed addition you would expand the North Bedroom by an additional 125 sq-ft allowing more room for my wife, myself and our furniture. The added closet would be a welcome add-on since very little closet space is available today. Our granddaughter would have the South Bedroom.
- Current situation features a ½ bath only with a shower in the basement. With the proposed addition you would be able to add a large shower w/full-size vanity and storage cabinet.
- The proposed layout would accommodate a full bathroom on the ground level making it much easier for my wife and I not having to navigate the stairs for a shower since we are in our golden years. Having the needed facility would help get ready for school as well.
- As a bonus there would be a large door access into the bathroom from the proposed bedroom thus allowing easier entry. The current entrance door into the bathroom is quite small, just 24 inches wide.



Basement Level *Proposed Addition*

- It will be necessary to excavate for footings and walls for the proposed addition. A narrow basement would allow access to sewer line(s), water lines, air ducts, etc. from underneath. A rough in for a future basement bathroom is also proposed for this space.
- Over half the excavated soil would fill the new crawl space.



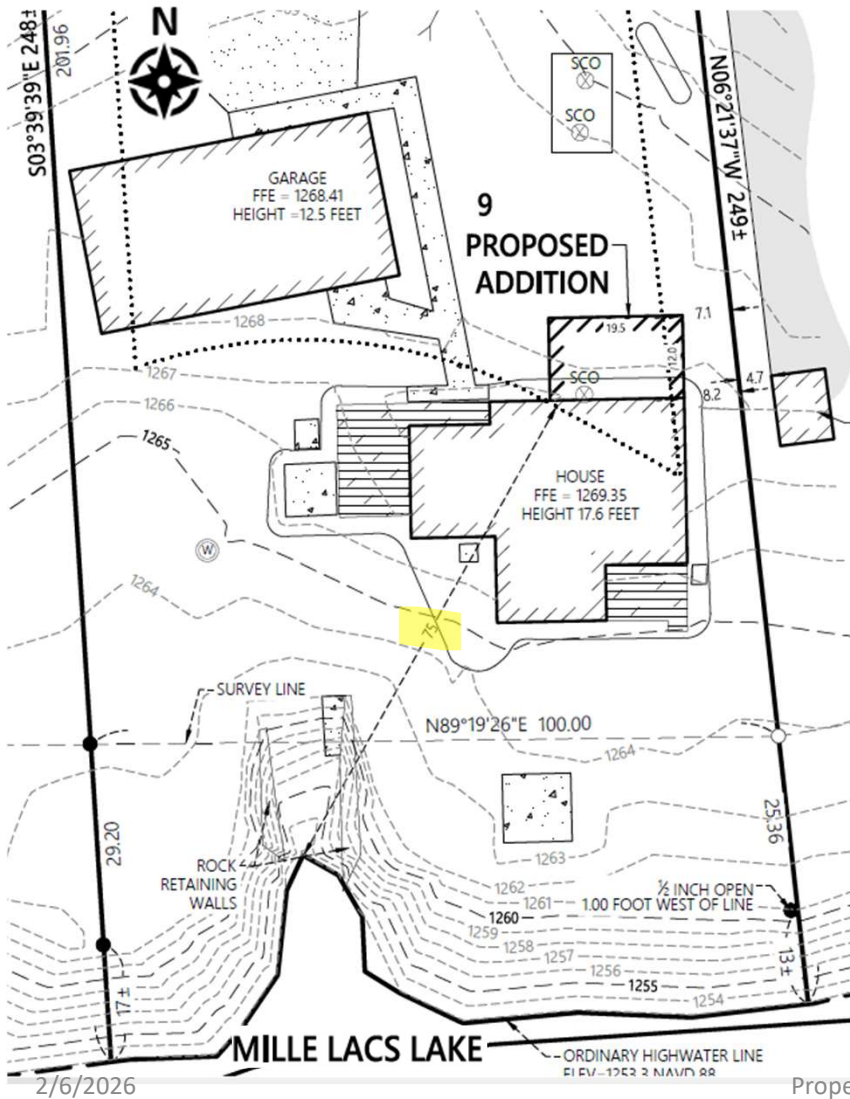


Side View

- The proposed addition roof line would sit below the existing structure. I illustrate a lean roof.
- The water would flow downward from the roof into the gutters exiting through a downspout on the NE corner similar as it does today with the existing structure. There is a natural slope (~6 degrees) running north-south so the water doesn't flow into the adjoining property.

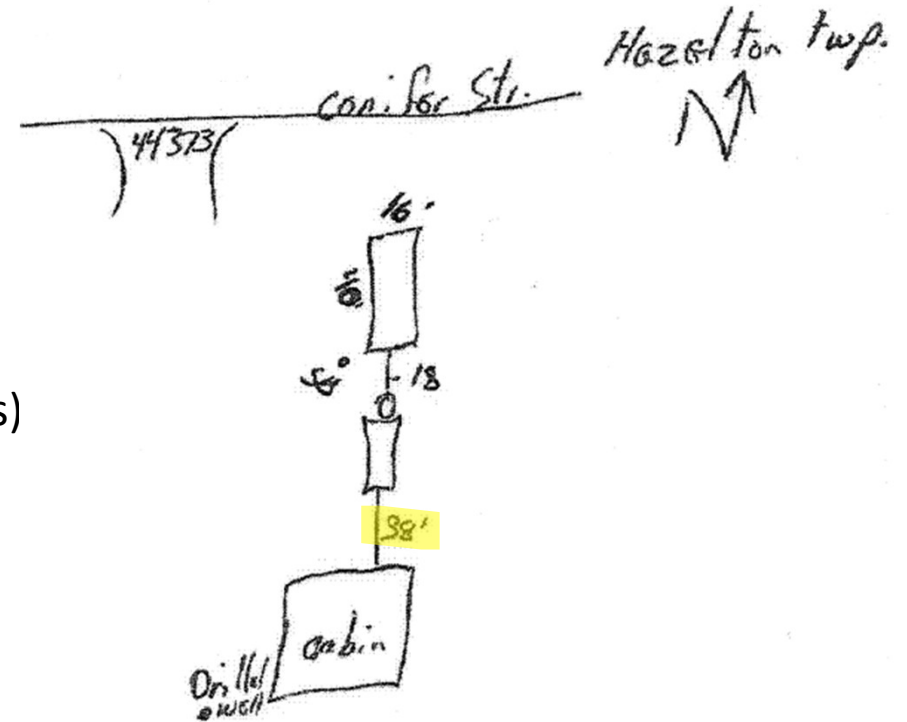
Proposed Addition from Lakeshore

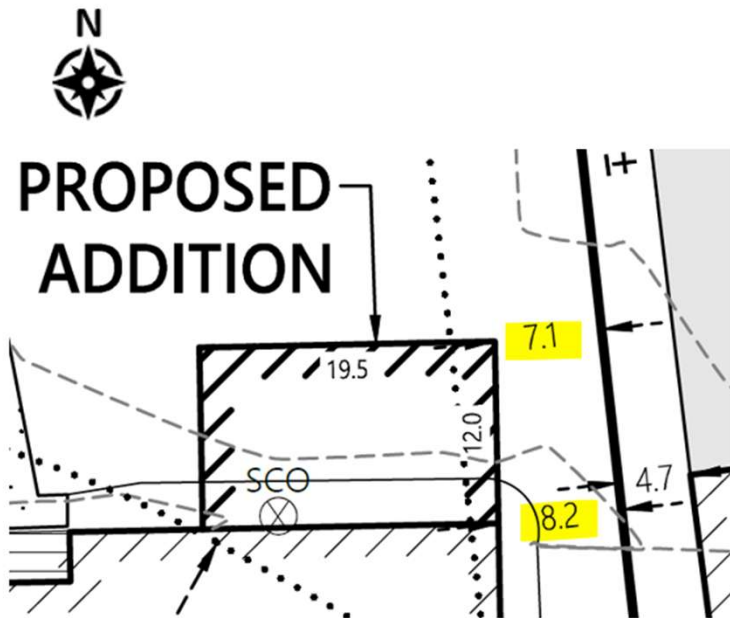
- From the Widseth Survey the SW corner of the addition is at the minimum required 75' setback from OHL.



Proposed Addition Septic Location

- Viewing the Timber Lakes sketch the septic tank(s) are a distance of 38' from the existing structure and therefore 26' from the proposed addition.





Proposed Addition – Property Setback

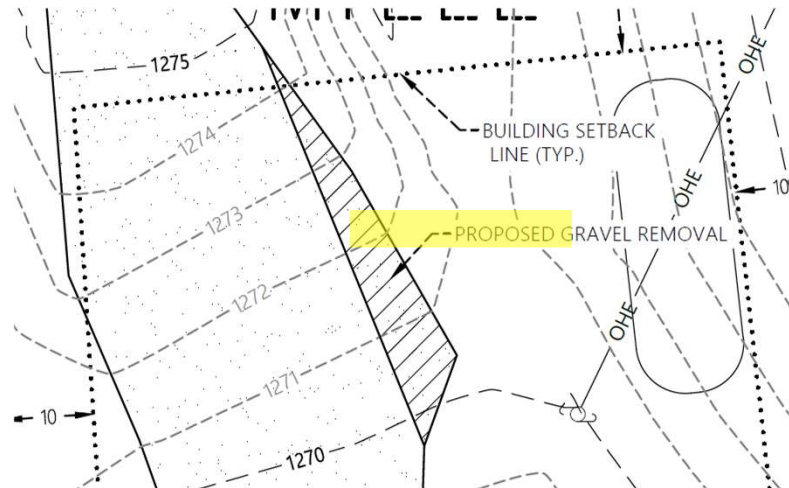
- From the Widseth Survey the current structure is at 8.2' setback from the east property line.
- The east property line converges with the eastside of the structure so the proposed most NE corner would be now at a 7.1' setback. Encroaching just an additional 13%.

Proposed Addition – Impervious Surfaces

EXISTING CONDITIONS	
DESCRIPTION	AREA [SQ-FT]
BUILDINGS	2,065
CONCRETE AND RETAINING WALLS	680
DECKS	311
DRIVEWAY	2,756
IMPERVIOUS TOTAL	5,812
PROPERTY	23,430
IMPERVIOUS PERCENTAGE	24.8%

PROPOSED CONDITIONS	
DESCRIPTION	AREA [SQ-FT]
BUILDINGS	2,299
CONCRETE AND RETAINING WALLS	680
DECKS	311
DRIVEWAY	2,756
IMPERVIOUS TOTAL	6,046
PROPERTY	23,430
IMPERVIOUS PERCENTAGE	25.8%
DRIVEWAY REDUCTION (GRAVEL REMOVED)	-193
IMPERVIOUS PERCENTAGE	24.98%

- The table on the left is an itemized list from the Widseth Survey indicating the current impervious percentage(24.8%) and with the proposed conditions(25.8%).
- If the 0.8% over is not acceptable the driveway will be reduced by removal of gravel(193 sq-ft) as shown in the survey screen shot below in order achieve the targeted 25% or less.



Summary

- We love the area, specifically our lot having owned it for nearly thirteen years, homesteading for the last handful of years.
- Approval of the proposed addition would dramatically improve our bedroom space for both my wife and myself with the granddaughter occupying the only other bedroom.
- Having a full bathroom upstairs with the potential of a second bathroom in the basement would not only help the granddaughter get ready for school but no more having to navigate the stairs for bathing purposes.

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

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

☐ 2nd 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):

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
☐ 2nd Story Level

Existing Structure Height 18.5 ft.
Existing # of Bedrooms 2
Existing Building Coverage 4.3 %
Existing Total Impervious Surface Coverage 24.8 %

Proposed Addition(s)

☒ Basement
☒ Crawlspace
☐ Walk-out Basement
☒ One Story Level
☐ Story-and-a-Half Level
☐ 2nd Story Level

Proposed Addition(s) Height 12.5 ft.
Final # of bedrooms after remodel 2
Proposed Building Coverage 5.3 %
Proposed Total Impervious Surface Coverage 24.98 %

“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):

One Story Level = 234 [sq-ft]
Basement Level = 85.9 [sq-ft]
Crawl Space = 148.1 [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 Alteration Type _____

_____ Ordinary High Water Level (OHWL)	Existing Setback _____ ft.	Proposed Setback _____ ft.
<input checked="" type="checkbox"/> Property Line	Existing Setback <u>8.2</u> ft.	Proposed Setback <u>7.1</u> 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)

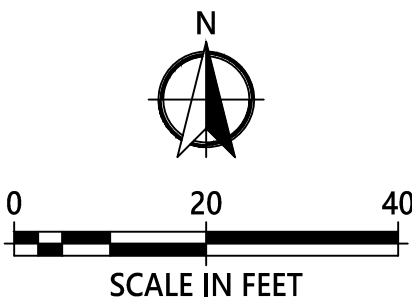
Check the item(s) from which you are requesting a variance and fill in the proposed dimensions.

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

NORTH

CERTIFICATE OF SURVEY

LOT 9, BLOCK 3,
NORTH SHORE MILLE LACS LAKE,
SECTION 5, TOWNSHIP 44, RANGE 27,
AITKIN COUNTY, MINNESOTA



ORIENTATION OF THIS BEARING SYSTEM IS
BASED ON THE AITKIN COUNTY
COORDINATE DATABASE; NAD83

ELEVATIONS ARE BASED ON THE NORTH
AMERICAN VERTICAL DATUM OF 1988
NAVD 88

LEGEND

- DENOTES FOUND IRON MONUMENT
- DENOTES 1/2 INCH DIAMETER BY 18 INCH
LONG IRON PIPE SET AND MARKED BY
RLS #41643
- PROPAANE TANK
- SCO SANITARY CLEANOUT
- ⊙ WATER WELL
- OHE OVERHEAD ELECTRIC LINE
- ⊕ ELECTRIC POLE
- Y GUY WIRE ANCHOR
- BITUMINOUS SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- DECK

SURVEY NOTES

- Benchmark: MnDOT Geodetic point Nichols AZ MK 2
Elevation = 1282.05 NAVD 88
- The E911 address for the subject property is: 44373 Conifer St Aitkin Mn.
- Property Identification Number: 11-0-001000
- Total Property Area: 23,430± sq.ft.
- Mille Lacs Lake is classified as a general development lake.
- The property is zoned shoreland according to the Aitkin County online GIS mapping.
- The building setback lines as shown are according to the Aitkin County shoreland management ordinance:
- This survey was completed without the benefit of a title commitment or opinion. There may be easements or other limiting factors not shown on this survey which affect the subject property.
- The utilities shown on this survey are according to observed evidence only. Wideseth assumes no responsibility for the completeness and accuracy of these locations. Further locations and verifications are recommended before any construction or excavation.

Existing Legal Description — according to Doc. No. 417533

All that certain tract in Government Lot Two (2) of Section Five (5), Township Forty-four (44), Range Twenty-seven (27), formerly known as Lot Nine (9), Block Three (3) of North Shore Mille Lacs Lake, said tract lying in the vacated portion of said plat North Shore Mille Lacs Lake, Aitkin County, Minnesota

IMPERVIOUS CALCULATIONS:

TOTAL AREA = 23,430± SQ.FT.
EXISTING CONDITIONS:
IMPERVIOUS COVERAGE = 5,812 SQ.FT.
BUILDINGS = 2,065 SQ. FT.
CONCRETE AND RETAINING WALLS = 680 SQ. FT.
DECKS = 311 SQ. FT.
DRIVEWAY = 2,756 SQ. FT.
IMPERVIOUS PERCENTAGE = 24.8 %
(5,812 / 23,430= 0.2480)

PROPOSED CONDITIONS:
IMPERVIOUS COVERAGE = 5,854 SQ.FT.
BUILDINGS = 2,299 SQ. FT.
CONCRETE AND RETAINING WALLS = 680 SQ. FT.
DECKS = 311 SQ. FT.
DRIVEWAY = 2,563 SQ. FT.
IMPERVIOUS PERCENTAGE = 24.98%
(5,853/ 23,430= 0.2498)



DRAWN BY:
ABS
CHECKED BY:
CMC

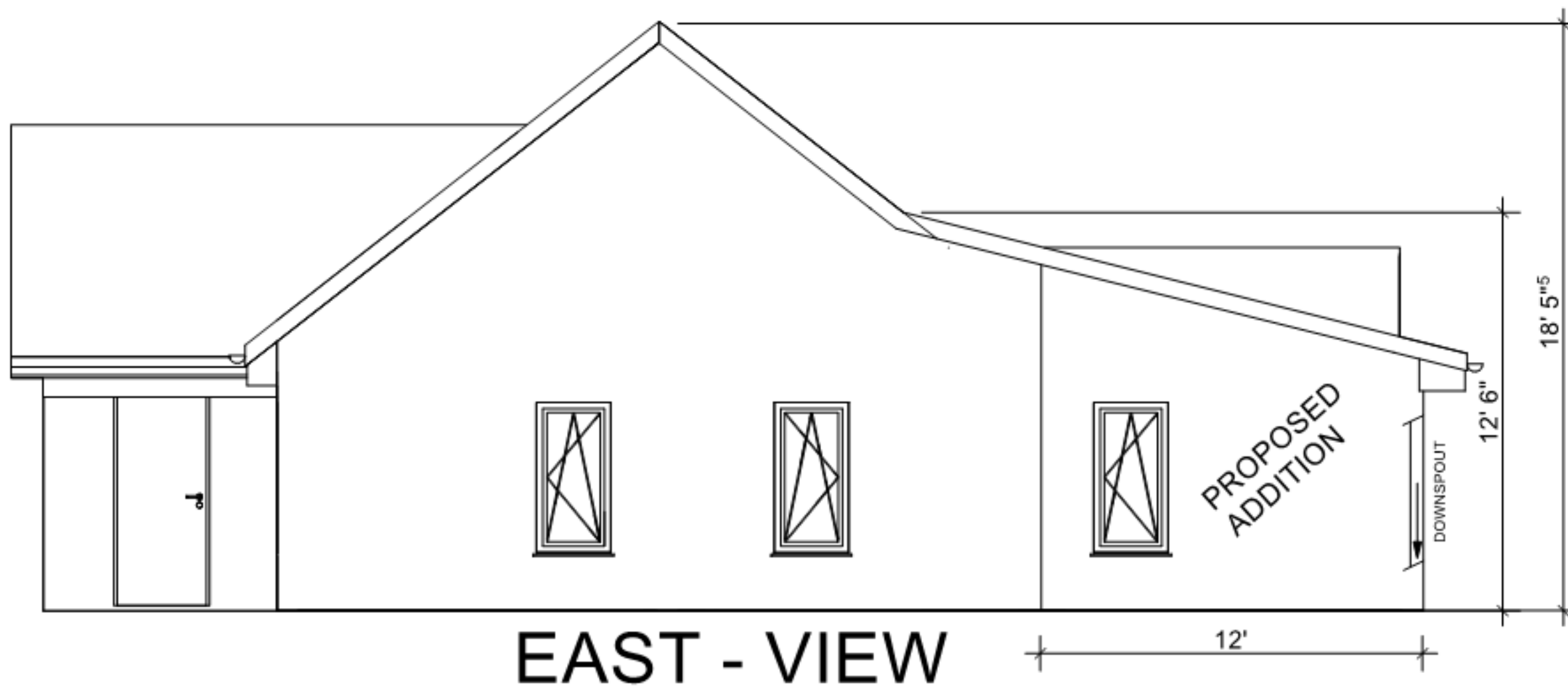
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.
CHAD M. CONNER
LIC. NO.: 41643
DATE: 01-09-2026

DATE	AMENDMENT DESCRIPTION

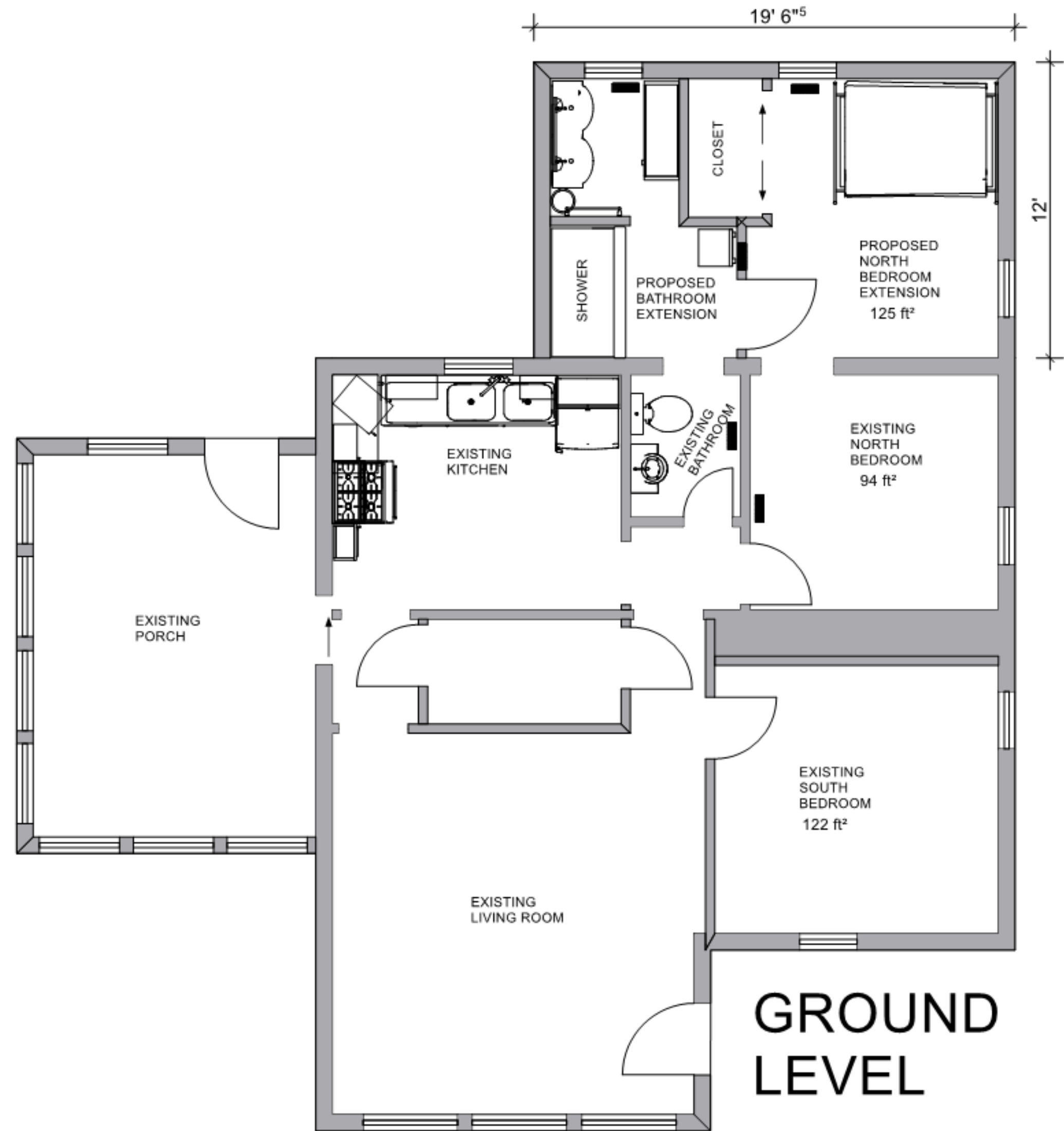
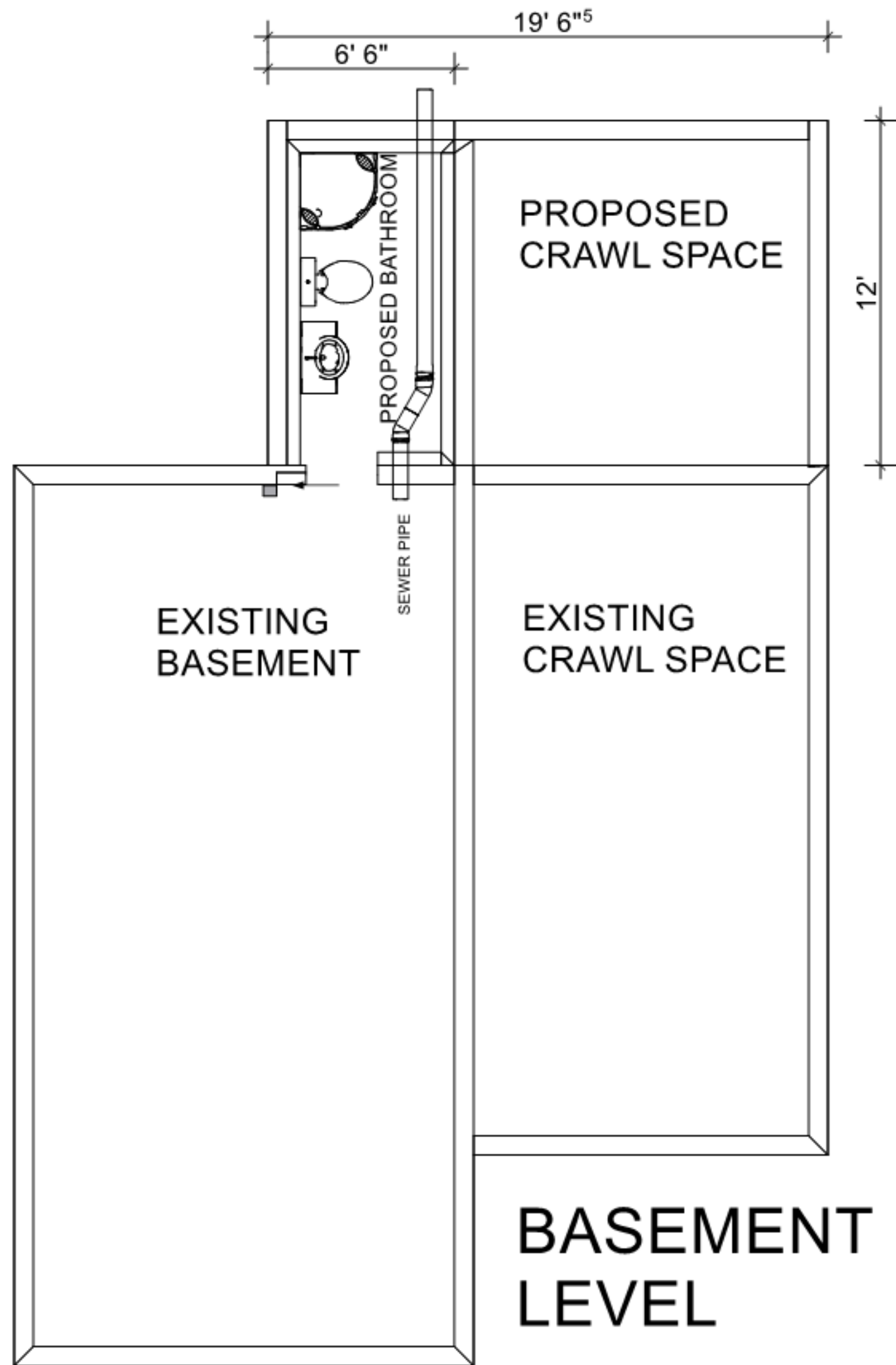
PREPARED FOR:

CRAIG SMYTHE

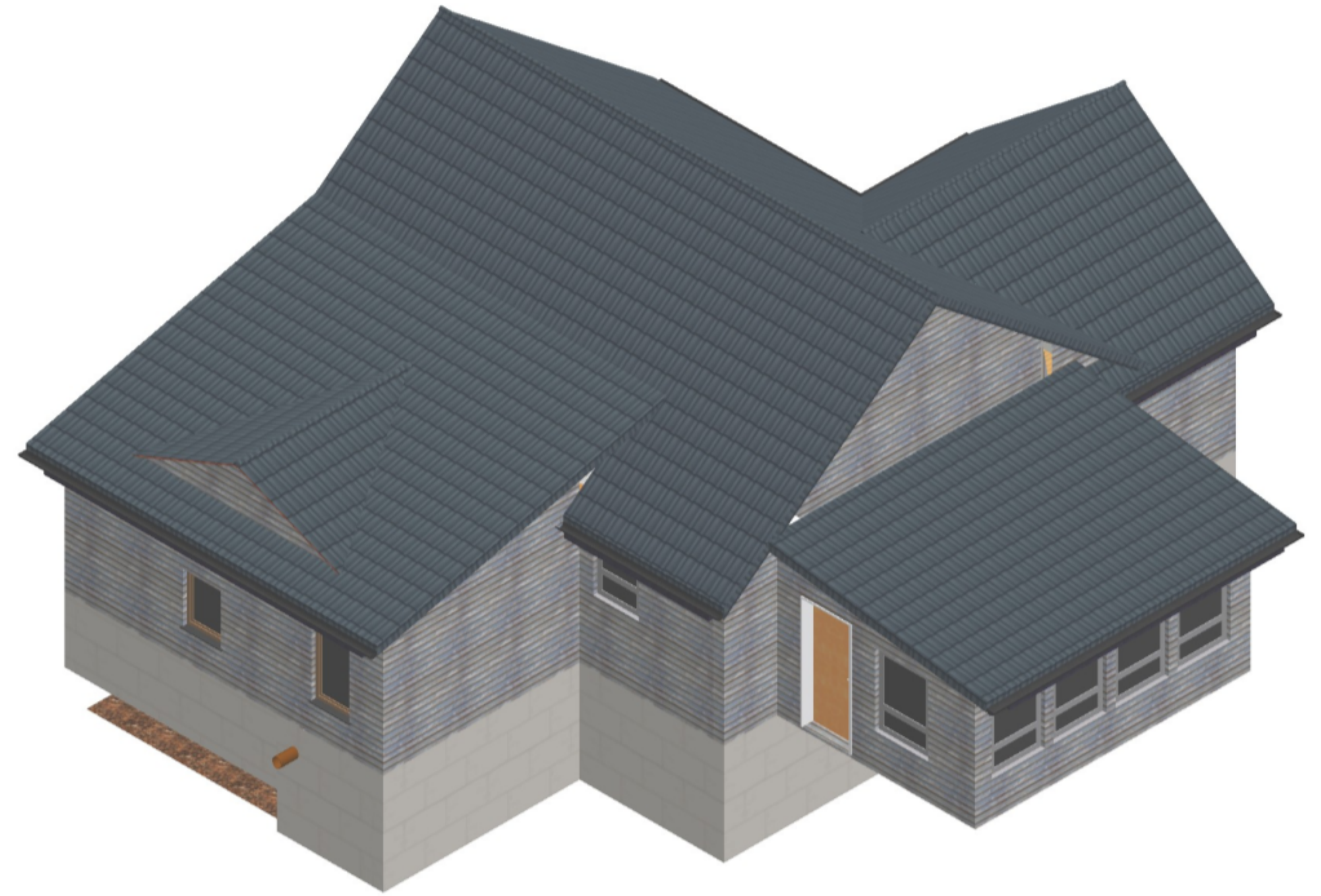
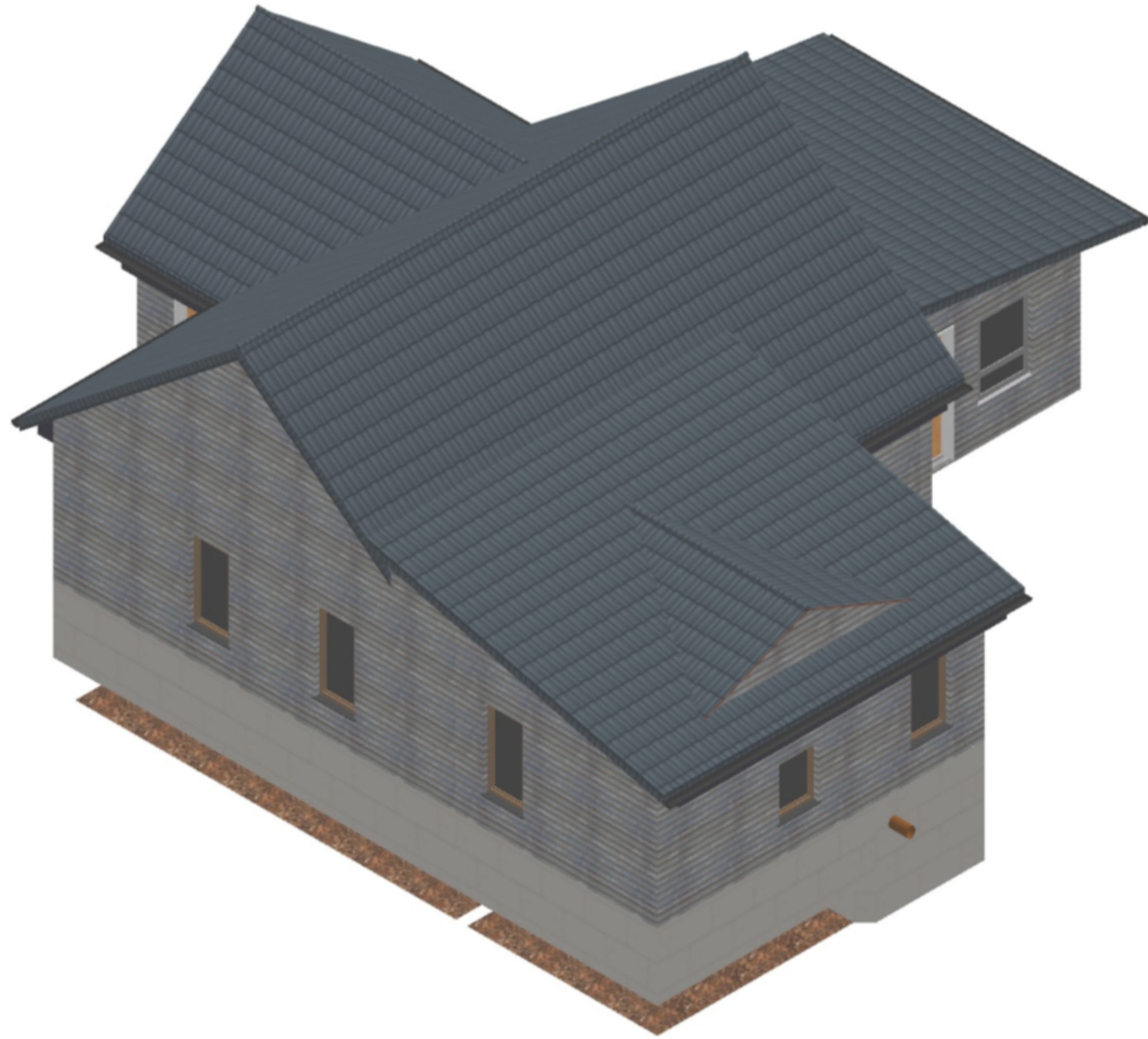
PROJECT #: 2025-11918



TITLE	PROPOSED ADDITION - SIDE VIEW
DATE	02/06/2026
Property ID#	11-0-001000
BY	C. SMYTHE



TITLE	PROPOSED ADDITION - FLOOR PLAN(S)
DATE	02/06/2026
Property ID#	11-0-001000
BY	C. SMYTHE



TITLE	PROPOSED ADDITION - ISO-VIEWS
DATE	02/06/2026
Property ID#	11-0-001000
BY	C. SMYTHE



Septic System Compliance Inspection – Existing System

Date: 8/4/25

Property Owner: Craig Smythe

Ordered By: Craig

Address: 44373 Conifer st Aitkin mn 56431

Property ID: 11-0-001000

Inspector: Raini Kohl

A compliance inspection was performed at the above location. Previous evaluations were used 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 pumped and inspected. This onsite system was found to be Compliant.

- **Impact On Public Health:**
System is Compliant
- **Tank Integrity:**
Tank(s) are compliant
- **Other Compliance Conditions:**
None
- **Soil Separation**
Soils are compliant
- **Operating Permit and Nitrogen BMP**
NA

I have included a copy of the compliance documents for your record. I have also sent a copy to Aitkin County for their records. If you have any questions, please do not hesitate to give us a call.

Thanks!

Tim Woodrow
Owner

218-927-6175

218-927-6175

1037 1st St. NW Aitkin, MN 56431

WWW.TIMBERLAKESSEPTIC.COM



DISCLAIMER:

The septic system inspection conducted for this property meets MPCA requirements for existing systems.

We recommend this system to be serviced and evaluated at least every 36 months by a septic professional.

Any additions to the home or increased use of the home may require an increase in system capacity.

1. Compliance Requirements evaluated as part of this inspection include the verification that the system tanks do not leak below the designed operating depth, the required separation between the bottom of the subsurface distribution medium and the seasonally saturated soils if applicable, no discharge of septage/effluent to the ground surface or surface water and no imminent safety hazards exist. Timber Lakes Septic Inc does not inspect interior pumps, plumbing, or associated components.
2. Certification of this system does not warranty future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded and discharge to ground surface as a result of increase use (more people in house, faulty plumbing fixtures, change in habits, groundwater infiltration etc), improper maintenance, tree roots, freezing conditions, surface drainage problems, etc. The system can also stop working simply due to its age. The life expectancy of a system is variable and dependent upon the items previously listed. Proper maintenance and water conservation will help contribute to a longer system life.
3. A compliance inspection is not meant to be a test or inspection of longevity of the system. A compliance inspection is for the purpose of verifying if the system is protective of public health and safety as well as protecting the ground water at the date and time the inspection was performed. This inspection is not intended to determine if the system was originally designed or installed to past or present MPCA/Local Government Unit Code requirements. This inspection is not intended to determine if the system was designed and/or installed to support the anticipated flow from buildings as the use of the buildings may have changed since the original design was completed. These changes may include additional bedrooms, occupants, increased use, etc. In addition, this inspection is not intended to determine the quality of the original system design, quality of the construction practices during installation, or quality of materials used.
4. Timber Lakes Septic Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the ISTS system for any period of time beyond the date of inspection or into the future. There are numerous factors which may affect the proper operation of a ISTS System and the inability of Timber Lakes Septic to supervise or monitor the use or maintenance of the ISTS System, the Compliance Report shall not be construed as a warranty or guarantee of future system performance.
5. By accepting this report, the client understands that Timber Lakes Septic will not be responsible for any monetary damages exceeding the fee for services provided.
6. This Report is prepared for the person or rep of the person providing payment for the fees charged.

Property Address: 44373 Conifer ST Aitkin mn 56431

Business Name: Timberlakes

Date: 8/4/2025

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

Compliance criteria:

System discharges sewage to the ground surface

☐ Yes ☒ No

System discharges sewage to drain tile or surface waters.

☐ Yes ☒ No

System causes sewage backup into dwelling or establishment.

☐ Yes ☒ 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?

☐ Yes ☒ No

Sewage tank(s) leak below their designed operating depth?

☐ Yes ☒ 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: _____

License number of maintenance business: _____

Date of maintenance: _____

☒ Existing tank integrity assessment (Attach)

Date of maintenance 7/31/2025

(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: 44373 Conifer ST Aitkin mn 56431

Business Name: Timberlakes

Date: 8/4/2025

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: 44373 Conifer ST Aitkin mn 56431

Business Name: Timberlakes

Date: 8/4/2025

5. Soil separation – Compliance component #5 of 5

Date of installation

(mm/dd/yyyy)

☒ Unknown

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:

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

☐ Yes ☐ No

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:

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

☒ Yes ☐ No

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)

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

☐ Yes ☐ No

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

Describe verification methods and results:

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

B. Periodically saturated soil/bedrock

C. System separation

D. Required compliance separation*

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

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.

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). 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 Smythe, Craig

Property address: 44373 Conifer St Aitkin, MN 56431

Local Regulatory Authority: Aitkin County

Parcel ID: 11-0-001000

System status

System status on date (mm/dd/yyyy): 7/31/2025

☒ **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

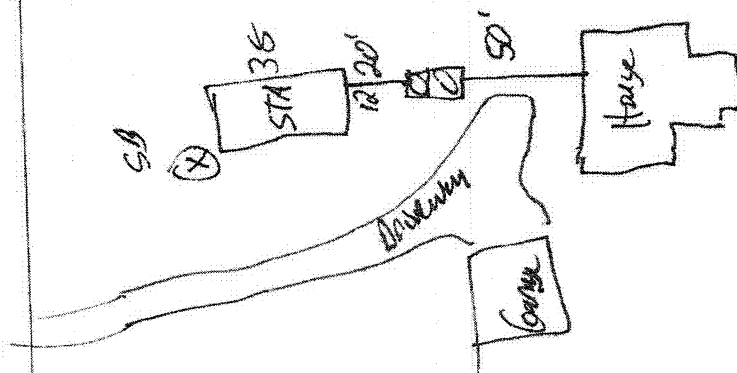
(This document has been electronically signed.)

Date (mm/dd/yyyy): 7/31/2025

SKETCH SHEET AND SOIL BORING LOG



INSPECTOR: Tim Woodrow	Equipment: Bucket Auger
DATE: 8/19/2020	Elevation of Limiting Layer: 97.4
PID#: 35 - 0 - 045501	Vegetation: Mowed Grass
SITE ADDRESS: 44373 Conifer St., Aitkin, MN 56431	Weather: Sunny & Clear
Benchmark (EL = 100'): Bottom of Rock in STA	



SOIL BORING #1 EL: 101.6'		
DEPTH	TEXTURE	COLOR
0 - 14"	Top Soil	10 YR 3/2
14" - 24"	Sand / Fine	10 YR 3/2
24" - 30"	Sandy/Loam	10 YR 4/3
30" - 40"	Sandy/Loam	10 YR 5/4
40" - 54"	Sand / Medium	7.5 YR 5/4
	Redox @ 52" EL 97.4	

11-0-001000

Grace Berndt

44373 Conifer Str.

Aitkin Minn 56431

NW 1/4 Lot 9 Blk 3

N Shore

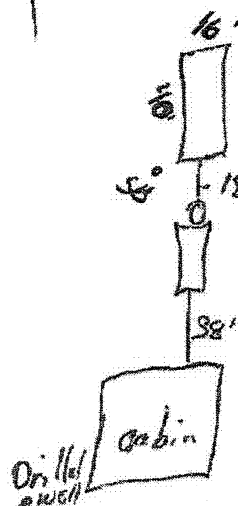
5 44 27

Conifer Str.

Hazelton twp.



SB
 4" Topsoil 10yr 3/3
 1 sod 10yr 4/4
 16"
 1 sod 10yr 5/6
 60"



Lake

Bob Bartel R3181
 B.T. Services 2088
 Bob Bartel 51-13

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: GDL |
| 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2)..... | 2: 75' |
| 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: 45' |
| 4) Enter the corresponding 'Score Multiplier' | 4: 1.333 |
| 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: 60 |

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 |
| 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 |
| 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 |
| 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) 60 + Mitigation Totals (Lines A-I) 30+20 = 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*

Craig R. Smythe

Board of Adjustment Chairperson

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.
- ☐ 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. Tarp soil piles

- ☒ 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: Prior to Sept

- 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 _____ Property ID #11-0-0010000 _____

Builder _____ Owner Craig R. Smythe _____

Worksheet Completed By Craig R. Smythe _____ Date 2/3/2026 _____

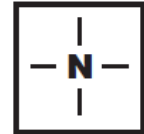
Amount of earthen material to be excavated and/or used for fill _____ 42 cubic yards. Crawl Space: 22

SITE DIAGRAM





Scale 1 inch = _____ feet

Please indicate north by completing the arrow.

SEE SEPERATE ATTACHED INCLUDED IN THIS SECTION



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

AITKIN COUNTY DEED TAX
 No. 4760 Date 5-21-2013
577.50 Dollars Paid
Fori Hram
 County Treasurer
 By Julie Hughes Deputy

NO DELINQUENT TAXES
 AND TRANSFER ENTERED

This 21 Day May 2013
Kirk Poyser
 County Auditor
Elizabeth Thorman
 Deputy

CERTIFICATE OF REAL ESTATE
 VALUE (☒) FILED () NOT
 REQUIRED CERTIFICATE OF REAL
 ESTATE VALUE NO. 41058

WARRANTY DEED
Individual(s) to Joint Tenants

DEED TAX DUE: \$577.50

DATE: May 16, 2013

FOR VALUABLE CONSIDERATION, George A. Berndt and Katherine E. Berndt, Husband and Wife, William Berndt and Susan M. Berndt, Husband and Wife, Paul R. Berndt, Single and Bonita Crow and Richard F. Crow, Wife and Husband ("Grantor"), hereby conveys and warrants to Craig R. Smythe and Diane M. Smythe, Husband and Wife ("Grantee"), as joint tenants, real property in AITKIN County, Minnesota, legally described as follows:

→ All that certain tract in Government Lot Two (2) of Section Five (5), Township Forty-four (44), Range
 → Twenty-seven (27), formerly known as Lot Nine (9), Block Three (3) of "North Shore Mille Lacs Lake", said tract lying in the vacated portion of said plat of "North Shore Mille Lacs Lake", Aitkin County, Minnesota.

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: Covenants, conditions, restrictions, declarations and easements of record, if any; Reservations of minerals or mineral rights by the State of Minnesota, if any; and, Building, zoning and subdivision laws and regulations.

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

George A. Berndt
 George A. Berndt and Katherine E. Berndt

William J. Berndt
 William Berndt and Susan M. Berndt

Paul R. Berndt

Paul R. Berndt

Bonita Crow Richard F. Crow

Bonita Crow and Richard F. Crow

State of Minnesota, County of **Kanabec**

This instrument was acknowledged before me on May 16, 2013, by **George A. Berndt, Husband of Katherine E. Berndt, ** See Attached Certificate of Acknowledgement for Katherine E. Berndt; William Berndt, Husband of and Susan M. Berndt ** See Attached Certificate of Acknowledgement for Susan M. Berndt; Paul R. Berndt, Single and Bonita Crow and Richard F. Crow, Wife and Husband.**

(Stamp)




(signature of notarial officer)

Title (and Rank):

Notary Public

My commission expires:

1-31-16
(month/day/year)

THIS INSTRUMENT WAS DRAFTED BY:

East Central Title, LLC

820 Howe Avenue, Suite 102

Mora Minnesota 55051

jdh/13-03-27

TAX STATEMENTS FOR THE REAL PROPERTY
DESCRIBED IN THIS INSTRUMENT SHOULD BE
SENT TO:

Craig R. Smythe and Diane M. Smythe

471 Andall Street

Lino Lakes, MN 55014

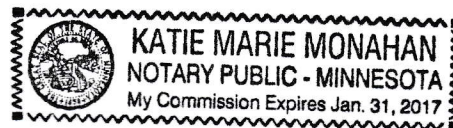
Susan M. Berndt
Susan M. Berndt

State of Minnesota }
 }ss.
County of Hennepin }

The foregoing instrument was acknowledged before me this 15th of May 2013 by Susan M. Berndt, wife of William Berndt.

Witness my hand and official seal.
My commission expires:

Katie Marie Monahan
Notary Public



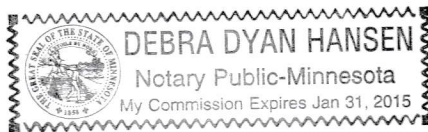
Katherine E. Berndt
Katherine E. Berndt

State of Minnesota }
County of Anoka } ss.

The foregoing instrument was acknowledged before me this 24 May 2015 by Katherine E. Berndt, wife of George A. Berndt.

Witness my hand and official seal.
My commission expires: Jan 31, 2015

Debra Dyan Hansen
Notary Public



East Central Title
PO Box 203
Jole, MN 55051

2/46.8
pd 50.
pcc

5-21-9
7
②

RECORDED
TRACT INDEX
GRANTOR
GRANTEE
COMPARED

OFFICE OF COUNTY RECORDER
AITKIN COUNTY, MN
X WELL CERTIFICATE RECEIVED
X WELL CERTIFICATE NOT REQUIRED

COUNTY RECORDER
AITKIN COUNTY, MINNESOTA
FILED

MAY 21 2013 9AM

Debra Dyan Hansen
Notary Public

417533