

~~THIS IS NOT A BUILDING PERMIT~~

2023-001143

# AITKIN COUNTY ZONING

PERMIT NUMBER **48344**✓

PARCEL NUMBER 14-1-070700

Location 5 Lot 18 Block 4B Gov't. Lot 24 Section Twp. Rge.

FELKNOS TOWNLINE SHORES

Issued NOVEMBER 1, 2023 To GORDON & CHRISTY POWERS

Nature of Authorization VARIANCE APPROVED FOR A MOUND SEPTIC.

CONDITIONS: 1. SHORELAND PERFORMANCE TO EQUAL 100 POINTS.  
2. DRAINFIELD TO BE PERMANENTLY MARKED.

New Construction \_\_\_\_\_ Alteration \_\_\_\_\_

Sewer Installation \_\_\_\_\_

Flood Plain and Lowest Floor Elev. \_\_\_\_\_

**NOTE:**

This permit must be posted in a conspicuous place on premises on which work is to be done and remain until work has been completed and inspected.

K. BURTON  
ZONING ADMINISTRATOR

This permit expires one year from date of issuance  
**NOT TRANSFERABLE**

**No Portion of any Sewage Disposal System shall be Covered Prior to Inspection.**



6. Variance Variance Permit # 2023-1110, App. # App-2023-001143, UID # 209056  
 App. Status: Approved

Aitkin County Planning & Zoning / Environmental Services  
 307 Second St. NW Room 219  
 Aitkin, MN 56431  
 Phone: 218-927-7342  
 Fax: 218-927-4372

*Permit # 48344V  
 APPROVED AT 11-1-23  
 BOA Meeting*

Property Location

Property:	Property Location		Legal Description			Property Attributes			Owner Information	Tax Payer Information
	Parcel Number	Property Address	Township or City Name	Legal Description	Plat Name	Section-Township-Range	Lake Class	Lake Name	Owner Name(s)	Taxpayer Name(s)
	27895							TOWNLAKE		
	14-1-070700	438th Ln PALISADE, MN 56469	JEVNE TWP	LOT 5	FELKNORS TOWNLAKE SHORES	S:18 T:48 R:24	NE	(JEVNE TWP)	POWERS, GORDON & CHRISTY	POWERS, GORDON & CHRISTY

Driving directions to the proposed project from Aitkin: North on 169 to east on 210. Turn left (north) on Cty Rd 5 (Nature Ave). Turn right on 438th Lane (at Long Lake Conservation Center). Take 438th Lane through the LLCC to the property on Townline Lake.

Is the above parcel located in the Shoreland Zoning District? Yes

**Detailed Narrative**

Detailed Narrative (If you are attaching a narrative please state "See attached" and attach the document below):

We are eliminating the existing holding tank and putting in a septic field. We need to apply for a variance because the only space for the tank is where it currently sits which is roughly 115 feet from the lake.

Please provide the Ordinance(s) and the Section(s) of the Ordinance(s) from which you are requesting a variance:

Aitkin County Individual Sewage Treatment System and Wastewater Ordinance No. 1, Section 5.2


Are you requesting a variance to a road right-of-way setback in one of the Townships listed below?

No

Fleming, Glen, Lakeside, Pliny, Shamrock, Wagner

**Supplemental Data**

Attach completed form here:

File 1:  [Powers\\_Supplemental\\_Variance\\_Form\\_Section\\_3.pdf](#)

**A Scaled Drawing or Survey**

Scaled Drawing or Survey Checklist:

- Location and dimensions for all lot lines.
- Location and dimensions of all existing and proposed structures/additions.
- Location and depth of all existing and proposed wells within 100 feet of the property.
- Location and dimensions of all existing and proposed septic system components (septic tank, septic drainfield).
- Location and dimensions of all existing and proposed driveways, road right-of-ways, and easements.
- If topography is unusual, show elevations and location of bluffs, steep slopes, wetlands, etc.
- Indicate all setback distances for items listed above: ordinary high water level of lakes or rivers, lot lines, road right-of-ways, etc.

Attach a Scaled Drawing or Survey:

File 1: [23-180\\_Gordon\\_Powers\\_Type\\_III\\_Septic\\_Design\\_Aitkin\\_Co..pdf](#)

**Certificate of Septic Compliance**

Please attach a copy of one of the following:

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

File 1: [23-180\\_Gordon\\_Powers\\_Type\\_III\\_Septic\\_Design\\_Aitkin\\_Co..pdf](#)

**Shoreland Performance Worksheet**

Attach Shoreland Performance Worksheet here:

File 1: [23-180\\_Gordon\\_Powers\\_Aitkin\\_Co.\\_SSTS\\_Management\\_Plan\\_signed.pdf](#)

File 2: [Adobe\\_Scan\\_Oct\\_2\\_2023\\_1.pdf](#)

### Standard Erosion Control Plan

Attach the completed  
Standard Erosion Control  
Plan here:

File 1: [23-180\\_Gordon\\_Powers\\_Type\\_III\\_Septic\\_Design\\_Aitkin\\_Co..pdf](#)

### Property Deed

Attach the property deed(s):

File 1: [AITKIN\\_COUNTY\\_-\\_REC-REAL\\_EST\\_-\\_390686.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 #58741 (10/02/2023) Expected Payment Method: Pay Online - Card or ECheck**

Charge	Cost	Quantity	Total
<b>Recording Fee</b> added 10/02/2023 10:30 AM \$46 Flat Fee	\$46.00	x 1	\$46.00
<b>Variance</b> added 10/02/2023 10:30 AM \$650 Flat Fee	\$650.00	x 1	\$650.00
<b>Grand Total</b>			
		<b>Total</b>	<b>\$696.00</b>
		<b>Payment 10/02/2023</b>	<b>\$696.00</b>
		<b>Due</b>	<b>\$0.00</b>

[Results \(Go to top\)](#)  
 Signature accepted  
 Status Changed  
 Change logged  
 Sent [The Board of Adjustment has approved a variance for your application.](#) notification to: cpowers\_150@yahoo.com

**Approvals**

Approval	Signature
Applicant	Gordon Powers - 10/02/2023 10:34 AM 7bbc450468a72e6d4fd535d014456688 15f0fc3b97d0bce6b0ff9a066d9fd409
#1 Admin	Kim Burton - 10/04/2023 1:00 PM 655ea9bb054a595626dc91f677721d1a 1b2804073e64703ce0278b898427eb20
#2 Board of Adjustment	Kim Burton - 11/03/2023 10:33 AM 98394cc06d7f8601f0b1b12aa2f7b83b 5b8e11220bd36acfec9c7c1d194a9c35

Public Notes


Text: Permit # 48344V. Approved at 11-1-23 BOA Meeting.

Conditions:

1. Shoreland Performance Worksheet to equal 100 points.
2. Drainfield to be permanently marked.

File(s):

File 1: 1172\_001.pdf

 [1172\\_001.pdf](#)

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**

**UID #** 209056

**App. #**

**Permit #**

**Next from Sequence**

*not applicable*

App-2023-001265

2023-1111

Print View



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

**Aitkin County Environmental Services**  
209 Second St. NW, Room 100, Aitkin, MN 56431  
Phone: 218.927.7342 Fax: 218.927.4372  
[www.co.aitkin.mn.us](http://www.co.aitkin.mn.us)

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

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

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

**Section 1 – New Structure(s)**

Check all that apply and fill in requested information:

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

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

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

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

Itemized square footage of proposed structure(s):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

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

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

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

Check all that apply and fill in requested information:

**Existing Structure**

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

**Proposed Addition(s)**

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

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

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

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

Itemized square footage of proposed structure(s):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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

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

X <input type="checkbox"/> Ordinary High Water Level (OHWL)	Proposed Setback <u>115</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 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	

# Preliminary & Field Evaluation Form

Type III Mound ( 8" to Mottles & on Disturbed Soils )

www.SepticResource.com vers 12.4

Owner Information			
Date	<u>8/29/2023</u>	Sec / Twp / Rng	<u>S-18, T-48, R-24</u>
Parcel ID	<u>14-1-070700</u>	LUG (county, city, township)	<u>Aitkin Co.</u>
Property Owner:	<u>Gordon Powers</u>	Owners address (if different)	
Property Address:	<u>27895 438th Ln Palisade Mn 56469</u>	<u>8030 Meadowood Dr</u>	
City / State / Zip:		<u>Rockford MN 55373</u>	

Flow Information and Waste Type / Strength			
Estimated Design flow	<u>450</u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength <input checked="" type="checkbox"/> Domestic
Comments: Type III Mound On Disturbed soil & mottles at 8 inches. Aitkin Co. Operating Permit Required Owner stated power line is East Property line. Tank to Lake Setback is approx. 110 ft. May need a variance		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V) <input checked="" type="checkbox"/> No
		Sewage ejector/grinder pump	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Water softener	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Site Information					
Existing & proposed lot improvements located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Well casing depth	Existing deep well	
Easements on lot located (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Drainfield w/in 100' of residential well	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Property lines determined (see site map)	By Owner		Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Access for system maintenance (shown on site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Soil treatment area protected	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site map prepared with previous items included	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Construction related issues	<u>Existing holding tank is approx. 110 from lake Replace with new 1650 Tank</u> <u>May need a Variance from Aitkin Co for tank placement</u>				

**Soil Information**

		Evidence of site:	
		Cut	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Filled	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Compacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Disturbed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Original soils	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Perk test completed and attached (if applicable)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soil logs completed and attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Percolation rate (if applicable)	_____
Soil loading rate (gpd/ft <sup>2</sup> )	<u>0.60</u>	Flooding or run-on potential (comments)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Depth/elev to SHWT	<u>8"</u>	Flood elevation (if applicable)	_____
Depth to system bottom maximum (or elev minimum)	<u>( + 36" )</u>	Elevation of ordinary high water level (if applicable)	_____
Depth/elev to standing water (if applicable)	_____	Floodplain designation and elev - 100 yr/10 yr (if applicable)	_____
Depth/elev to bedrock (if applicable)	_____		
Soil Survey information determined (see attachment)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Differences between soil survey and field evaluation (if applicable)	_____ _____		

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

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

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

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

# Soil Observation Log

www.SepticResource.com vers 12.4

Owner Information	
Property Owner / project: <u>Gordon Powers</u>	Date <u>8/29/2023</u>
Property Address / PID: <u>27895 438th Ln Palisade Mn 56469</u>	

Soil Survey Information	
<input type="checkbox"/> refer to attached soil survey	
Parent mat'l's:	<input checked="" type="checkbox"/> Till <input type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Alluvium <input type="checkbox"/> Organic <input type="checkbox"/> Bedrock
landscape position:	<input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Side slope <input type="checkbox"/> Toe slope
soil survey map units:	<u>204B</u> slope <u>0</u> %    direction- <u>North</u>

Soil Log #1							
		<input checked="" type="checkbox"/> Boring <input type="checkbox"/> Pit	Elevation <u>96.5'</u>	Depth to SHWT <u>8'</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular
5 - 8	Loam	<35	10YR4/4		Loose	Loose	Granular
8 - 14	Silt Loam	<35	10YR 4/3	7.5YR5/4	Friable	Loose	Granular
Comments:							

27895 438th Ln Palisade Mn 56469 **Soil Log #2**

		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>96.5'</u>		Depth to SHWT <u>8"</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular		
5 - 8	Loam ( E Horizon )	<35	10YR5/2		Loose	Loose	Granular		
8 - 14	Silt Loam	<35	10YR 4/3	7.5YR5/4	Friable	Loose	Granular		

27895 438th Ln Palisade Mn 56469 **Soil Log #3**

		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>96.4'</u>		Depth to SHWT <u>11"</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular		
5 - 11	Loam ( E Horizon )	<35	10YR5/2		Loose	Loose	Granular		
11 - 14	Silt Loam	<35	10YR 4/3	7.5YR5/4	Friable	Loose	Granular		

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

  
 Designer Signature

Brummer Septic LLC.  
 Company

L-1347  
 License #

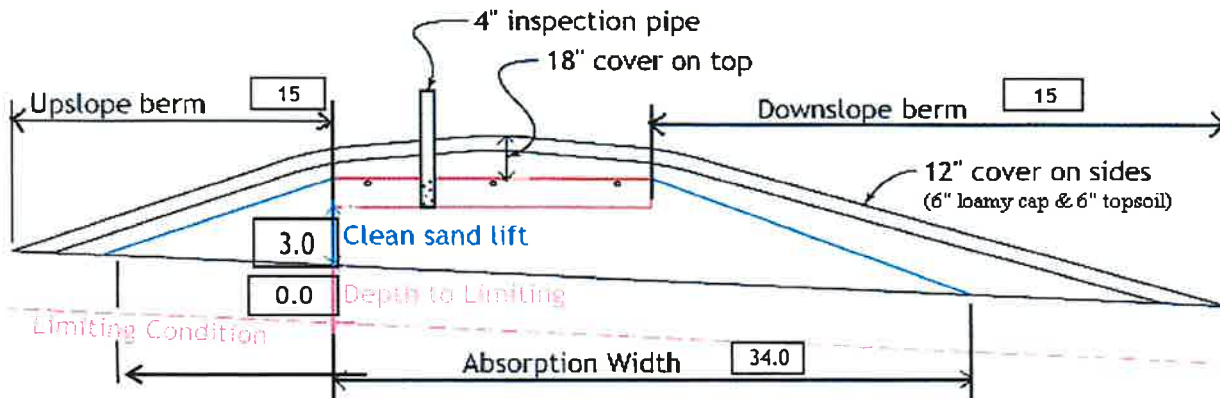
## Mound Design - Aitkin county

Property Owner: Gordon PowersDate: 8/29/2023Site Address: 27895 438th Ln Palisade Mn 56469PID: 14-1-070700Comments: TownLine Lake ( 1008300 ) NEinstructions:  = enter data     = adjust if desired     = computer calculated - DO NOT CHANGE!

- 1)  bedroom    Type     Residential    System
- 2)  GPD design flow
- 3)  Garbage disposal or pumped to septic    Install 1650 Jacobson 2/Compartment Septic / Pump tank.
- 4)  Gal Septic tank (code minimum)     Gal Septic tank (design size / LUG req'd)  
Tank options: none
- 5)  GPD/ft<sup>2</sup> mound sand loading rate    contour loading rate of  req's a min     ft. long rockbed
- 6)  ft rockbed width     ft rockbed length
- 7)  ft lateral spacing     ft perforation spacing    (maximum of 3 for both)  
 manifold connection
- 8)  laterals     feet long     perfs / lateral     perfs total  
(1/2 a perf means the first perf starts at the middle feed manifold)
- 9)  inch perfs at  feet residual head    gives  gpm flow rate per perforation  
for this perf size & spacing, & pipe size on line 12, max perfs/lateral =  , line #8 must be less --> **OK**
- 10)  doses per day    ( 4 minimum)
- 11)  gallons per dose    (treatment volume)    1.50 5x
- 12)  inch diameter laterals must be used to meet "4x pipe volume" requirement    2.00 3x
- 13)  feet of  inch supply line    leads to  gallons of drainback volume  
(Tip: "top feed" manifold to control the drainback)
- 14)  gallons TOTAL pump out volume (treatment + drainback)
- 15)  feet vertical lift from pump to mound laterals, leads to a:
- 16)  GPM @  feet of head, Pump requirement    (note: >50gpm may require an extra 3-6' of head)
- 17)  gal Dose tank (code minimum)     gal Dose tank (design size / LUG req'd)    at  gpi  
leads to a
- 18)  inch swing on Demand float,    or timed dosing of  min ON    (confirm pump rate with drawdown  
(this delivers Average flow, =70% of Peak design flow)     hrs OFF    test and adjust as necessary)
- 19)  inches from bottom of tank to "Pump OFF" float
- 20)  inches from bottom of tank to "Pump ON" float, or  inches to "Timer ON" float if time dosed
- 21)  inches from bottom of tank to "Hi Level" float, or  inches to "Hi Level" float if time dosed
- 22)  gallons reserve capacity    (after High Level Alarm is activated)



- 23) 0.60 gpd/ft<sup>2</sup> Absorption area Soil Loading Rate, which gives a mound ratio of 2 (minimum)  
 (this must match the soil boring log) desired mound ratio 2.0
- 24) 0 percent site slope (0-20% range) 0 (% downslope site slope, if different than upslope)
- 25) 0 inches, or 0.0 ft. to Redox or other limiting condition (need at least 12" to be a Type I)  
 Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:
- 26) 36 inch, or 3.0 ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**
- 27) 20.0 ft. base absorption width (with sand beyond rockbed as follows):  
 34.0 greater of: absorption width OR sand slope
- 28) 5.0 ft. upslope and sideslope sand upslope 12.0  
 5.0 ft. Downslope sand down slope 12.0
- Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
- 29) 3:1 upslope ratio 15 ft. upslope berm
- 30) 3:1 sideslope 15 ft. sideslope berms
- 31) 3:1 downslope 15 ft. downslope berm
- 32) Overall Dimensions: 10.0 ft. wide by 38.0 ft. long Rock bed  
 40 ft. wide by 68 ft. long Mound footprint



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

- 33) Rock Bed: 10.0 ft. by 38.0 ft. by 9 inches under pipe, plus 20% gives 17 yd<sup>3</sup> or \*1.4= 24 ton
- 34) Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)  
 55.1 up + 55.1 downslope + 17.8 ends + 42.2 under rock = 204 yd<sup>3</sup> or \*1.4= 286 ton  
 plus 20%
- 35) Loamy Cap: 36 ft. by 64 ft. 6" deep, plus 20% gives 52 yd<sup>3</sup> or \*1.4= 73 ton
- 36) Topsoil: 40 ft. by 68 ft. 6" deep, plus 20% gives 61 yd<sup>3</sup> or \*1.4= 85 ton

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

Signature: [Signature] Company: Brummer Septic LLC. License#: L-1347 Date: 8/29/2023

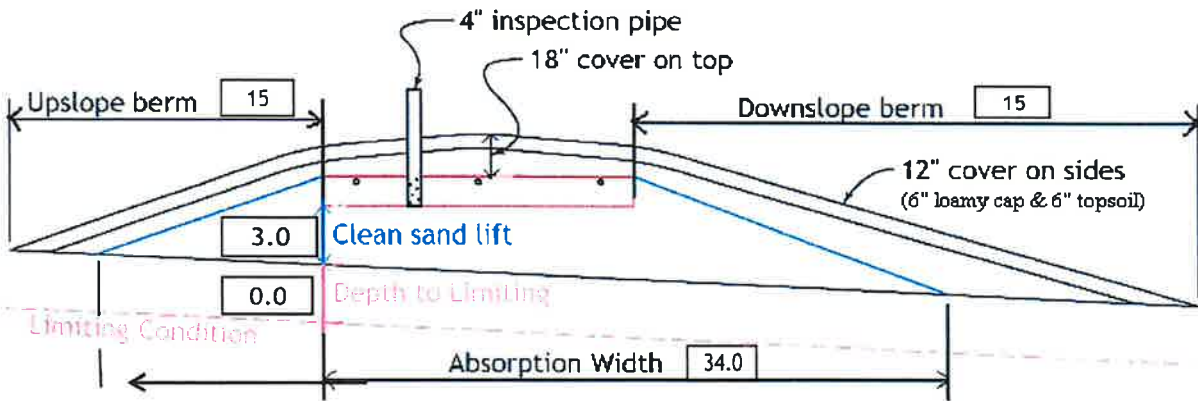
# Installer Summary

- 1000 gallon Septic tank (minimum)      Tank options: none
- 533 gallon Dose tank (minimum)      Install 1650 Jacobson 2/Compartment Septic / Pump tank.  
at 12.69 gpi
- 29 GPM @ 22 ft. of head, Pump required
- 5.8 inch swing on Demand float which translates to roughly 3.9 inches of float tether length  
if time dosing is required --> 2.5 minutes ON time & 5.2 hours OFF time
- 18 inches from bottom of tank to "pump ON" float, or 12 inches to "timer ON" float
- 21 inches from bottom of tank to "Hi Level Alarm" or 31 inches to "Hi level alarm" if time dosed
- 55 ft. of 2.0 inch supply line with end feed manifold connection  
(Tip: "top feed" manifold to control drainback)
- 36 inch, or 3.0 ft. Sand Lift Mound
- 10.0 ft. wide by 38.0 ft. long Rock bed
- 3 laterals 1.50 inch diameter 36.0 ft. long 3.0 ft. lateral spacing
- 1/4" inch perfs 3.0 ft. perforation spacing
- No Effluent filter & alarm
- 3 clean out & valve box assemblies

- 34.0 ft. Total sand ABSORPTION width (minimum)
- 12.0 ft. upslope and sideslope (sand beyond rockbed, minimum)
- 12.0 ft. Downslope (sand beyond rockbed, minimum)

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

- 3:1 upslope ratio 15 ft. upslope berm
- 3:1 sideslope 15 ft. sideslope berms
- 3:1 downslope 15 ft. downslope berm



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

Rock Bed:	17.0 yd <sup>3</sup> or *1.4=	24 ton	9 inches under pipe
Mound Sand:	204 yd <sup>3</sup> or *1.4=	286 ton	
Loamy Cap:	52 yd <sup>3</sup> or *1.4=	73 ton	6" deep
Topsoil:	61 yd <sup>3</sup> or *1.4=	85 ton	6" deep

## INSPECTOR CHECKLIST - mound

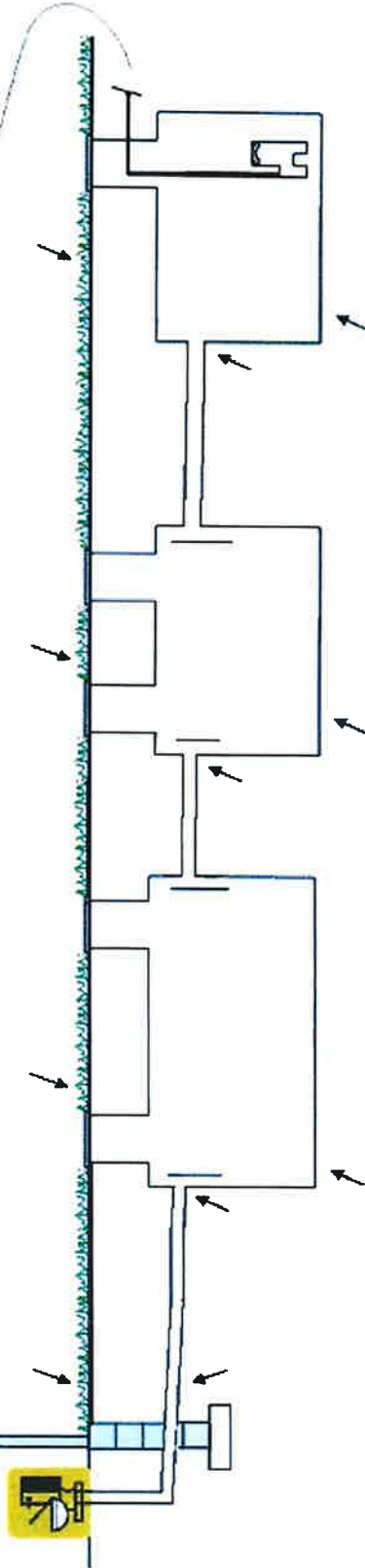
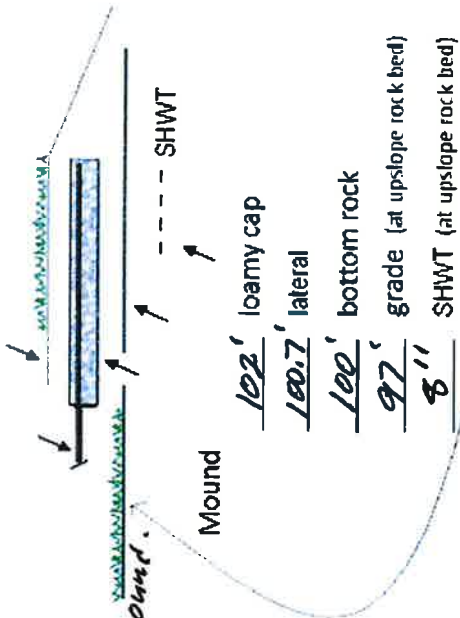
2/895 438th Ln Palisade Mn 56469

- WELL setbacks: 20' to pressure tested sewer line (5 psi for 15 min)  
50' to everything 100' to dispersal area with shallow well
- PROPERTY LINES setback: 10' to everything
- Road setback: platted: 10' prop line. Metes & bounds: out of road easement, or outer ditch.
- LAKE / BLUFF setback: 20' for bluff. Lakes: GD \_\_, RD \_\_, NE \_\_\_\_. Protected wetland \_\_.
- Building setbacks: 10' for everything, 20' for dispersal area.
- WATER LINE under pressure se 10' to bed, tank & sewer line. (else sewer line > 12" below, else ok w/pvc)
  
- Sewer line & baffle connection (no 90's, 3' between 45's, slope min 1" in 8', max 2" in 8')  
(no depth req's, clean out every 100', Sch 40 pipe)
  
- Septic tank and risers (water tight, insulated, proper depth, existing verified by pumping)  
mfg \_\_\_\_\_ 1000 gallons none \_\_\_\_\_
  
- Riser over outlet, riser over inlet or center, and 6"+ inspection pipe over any remaining baffles.  
No \_\_\_\_\_ effluent filter & alarm
- Dose tank risers and piping (water tight, insulated, proper depth, drainback)  
mfg \_\_\_\_\_ 533 gallons
  
- dose pump \_\_\_\_\_ 29 gpm 22 head VERIFY PUMP CURVE 2.5 min ON 5.2 hr OFF
  
- float setting drop 5.8 inches at 12.7 gpi "DESIGNED" 3.9 inches approx float tether length  
73.0 gal dose divided by \_\_\_\_\_ gpi "INSTALLED" = \_\_\_\_\_ inches float drop (field corrected)  
LABEL pump requirements and drawdown on riser or panel
  
- Cam lock reachable from grade - 30" max. J-hook weep hole. Supply line access (no hard 90's)  
2.0 inch supply pipe: Sch40, sloped 1/8"+, supported by 4" sch40 sleeve or compacted, and buried 6"+.  
splice box / control panel / electrical connections  
flow measurement: CT, ETM, time dosed, home water meter  
mound absorption area rough up  
mound rock dimensions 10.0 X 38.0  
Sand lift depth 36 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)
  
- Absorption Sand beyond rock 12.0 upslope 12.0 downslope
  
- Bermed topsoil beyond rockbed 15 upslope 15 sideslope 15 downslope
  
- cover depth of 12-18"+ VERIFY
- 3 laterals (1-2' from edge of rock)
- 1.50 inch pipe size (Sch40 pipe & fittings)
- 3.0 ft lateral spacing
  
- 1/4" inch perforations
- 3.0 ft perforation spacing
  
- Air inlet at end of laterals, and at top feed manifold if necessary. VERIFY
- clean outs (no hard 90's)
- 4" inspection pipe to bottom of rock, anchored VERIFY
  
- Abandon existing system - if necessary  Re-use existing tank certification
- monitoring plan and type \_\_\_\_\_
- well abandonment form - if necessary

# System Elevations

Elv = 100' benchmark Nail on Power Pole East of Mound.  
 Top of Deep Well Cap Elv = 98'

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

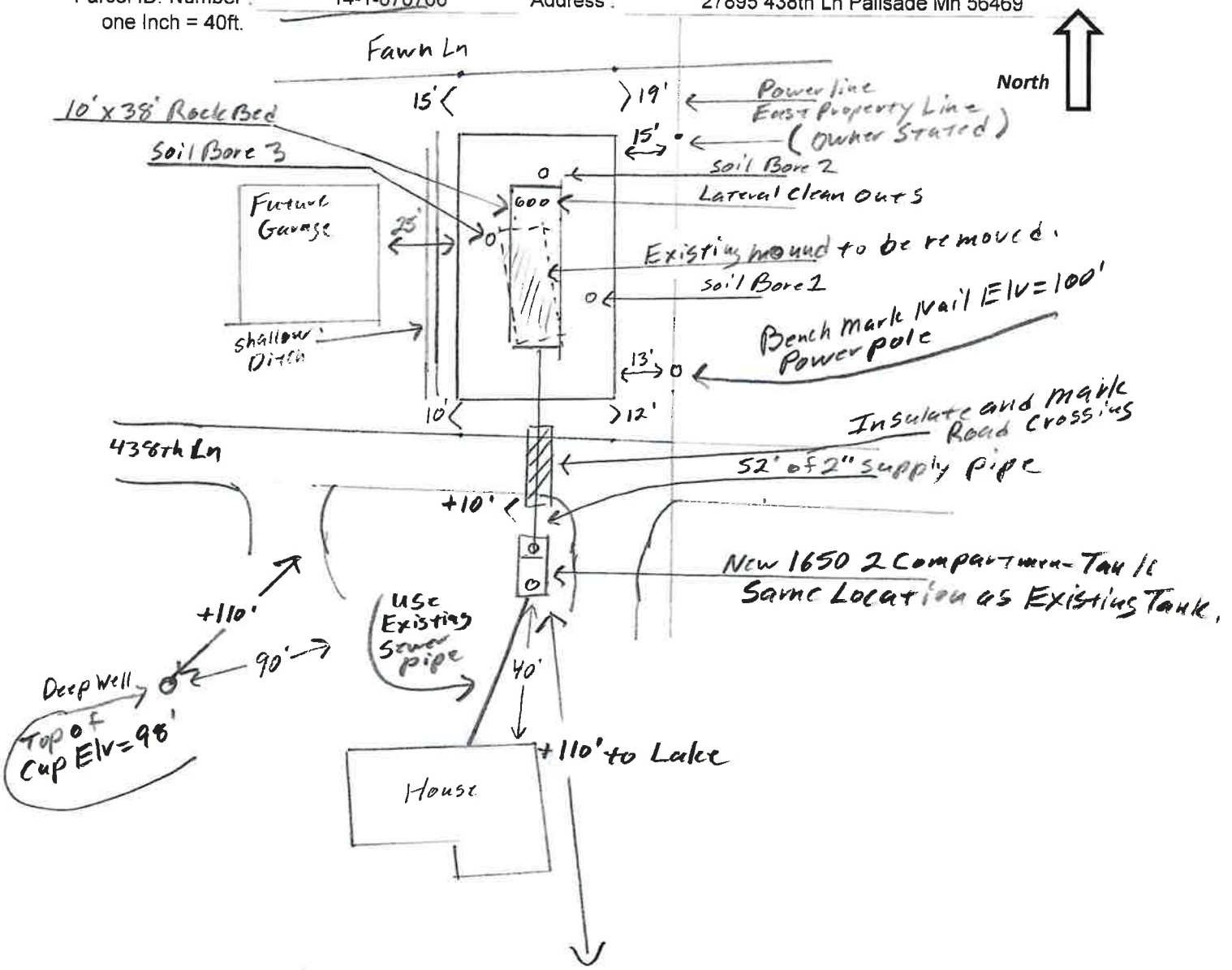


Component	Grade	Notes
Sewer pipe exiting house	96'	Grade
Septic Tank 1	97'	Grade
Septic Tank 2	97'	Grade (if applicable)
Septic Tank 3	97'	Grade
Pump Tank	97'	Grade
Existing H-Tank Inlet	93.1	Pipe
Septic Tank 1 Inlet	93'	Inlet
Septic Tank 2 Inlet	93'	Inlet
Septic Tank 3 Inlet	93'	Inlet
Septic Tank 1 Bottom	89'	Tank bottom
Septic Tank 2 Bottom	89'	Tank bottom
Septic Tank 3 Bottom	89'	Tank bottom
Pump Tank Bottom	89'	Tank bottom
Outlet	93'	Outlet
Outlet	2"	Outlet

Center line of 438th Ln Elv = 97'

# { Design Drawing }

Property Owner: Gordon Powers Date: 8/29/23 Designer's Initials: JB  
 Parcel ID. Number: 14-1-070700 Address: 27895 438th Ln Palisade Mn 56469  
 one inch = 40ft.



Center Line of 438th Ln. Elev. = 97' Future Garage Existing Grade Elev. = 96.8' Ditch by Garage Elev. = 95.4'  
 Townline Lake Elev. = 86.4' 8/28/23 Shore Elev. = 87.9' Top of Deep Well Cap Elev. = 98'

Surface/ SHWT	Nail on Power Pole= Bench Mark 100'	Existing Grade
Soil Bore 1 96.5' / 8"	Bench Mark 100'	Upslope Edge of Rockbed Elev. = 97'
Soil Bore 2 96.5' / 8"	Ground Elev. BM 96.6'	Bottom of Rockbed Elev. = 100'
Soil Bore 3 96.4' / 11"	Ground Elev. Tank 97'	Top of Washed Sand Elev. = 100'
Ground at	Existing house 96' NE corner	Existing Tank Inlet Elev. = 93.1'

- Please show all that apply ( Existing )
- Wells within 100ft. Of Drain field.
  - Water lines within 10 ft. of Drain field.
  - Drain field Areas:
- Please Draw to Scale with North to Top or Left Side of Page:
- Disturbed/Compacted Areas
  - Component Location
  - OHW ordinary high water
  - Lot Easements
  - Access Route for Tank Maintenance
  - Property Lines
  - Structures
  - Setbacks

## Mound Design Notes - Aitkin county

Property Owner: Gordon Powers Date: 8/29/23

Site Address: 27895 438th Ln Palisade Mn 56469 PID: 14-1-070700

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

- 1 This is a type III mound , ( Soil Separation 8" ), Remove and replace existing mound same location.  
Townline Lake ( 1008300 ) is a NE lake, SSTS setback is 150 ft. Existing holding tank is 110 ft from lake.  
New 1650 2/ Compartment Septic / Pump tank will be in same location.  
**Owner may need to get a Variance for the tank to lake Setback from Aitkin Co. 218-927-7342 Kevin T  
Owner Stated East property line is the power line to the east of mound site.**
- 2 Existing Deep well location is on the NW corner of house. Well meets all setbacks to septic system.
- 3 Existing tank to be pumped and removed. Install new tank in same location.  
Existing Mound will be removed to good soils, install new mound approx. same location. ( Disturbed soils ).
- 4 The house is gravity flow from North side of house, reuse existing sewer pipe.
- 5 Install 1650 Jacobson 2/compartment Septic / Pump tank for gravity flow from house.  
Insulate 2" pipe were it crosses 438th Ln., center line of road is Elv. = 97', estimated 2" pipe at Elv. = 93.5'  
Install tank low enough for drainback from mound to pump tank.  
Recommend Installing an effluent filter in septic tank outlet. Install alarm on Effluent filter. Insulate tank tops.
- 6 The berm slopes are at 3:1. Used 3:1 to fit mound on lot. Lot is flat.
- 7 Elevation contour of rock bed upslope edge is 97' .  
The area size of the rock bed is 10' x 38' . Absorption area is 38' x 34'.  
Sand absorption area is 12ft. up slope + 10 ft. rockbed + 12 downslope = approx. 34 ft. wide sand base.  
Berms are 15ft. Upslope, 15ft. Down slope, 10ft. Rock bed = approx. 40ft. Wide.  
Overall mound size is approx. 40' wide x 68' long and approx. 5' high. End berms are 15ft. Wide.
- 8 The bench mark is the nail on the Power pole East of mound area, BM = Elv. 100'.  
Installer to double check bench mark. Installer should confirm bench mark and sand height Elv. with inspector.  
Installer should record bench mark Elv. and sand height on installation inspection form.  
The top of the Washed sand and bottom of rock bed is Elv. 100'.
- 9 It is important that the soils do not get compacted, and that clean Washed sand is used.
- 10 The Jacobson 1650 tank will be gravity flow from dwelling. Install the pump for 7 demand doses  
per day. approx. 73 gallons per dose, 5.8 inches of tank level. Install alarm at 3 inches from pump on level.  
Install all manholes, inspection pipes and clean-outs to grade or above. ( Recommend min. 4" above grade)  
Install a 2" supply pipe from tank to end manifold in rock bed, install so pipe drains back to tank.  
Installer is to Mark both sides of road where 2" supply pipe crosses. ( For future utility companies )  
Install 1.5" laterals with 9" of rock under them. ( Install Lateral clean-outs at far end of laterals. Recommended )
- 11 **Drill 1/4" perf holes spaced 3 ft. on center.**  
Install 4" inspection pipe to bottom of rock bed, secure in rock bed and raise to above final grade.
- 12 Install Event counter on Effluent pump, calibrate pump and give gallons per event to Owner.
- 13 Designer does not guarantee or warranty any Type III systems.  
Designed to Aitkin Co. and MPCA recommendations and requirements.

  
Designer Signature

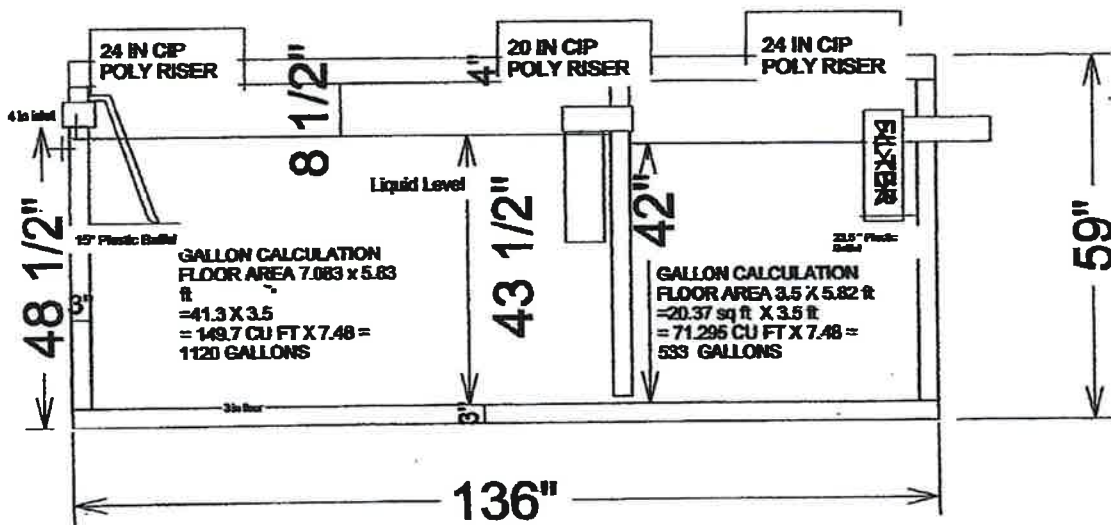
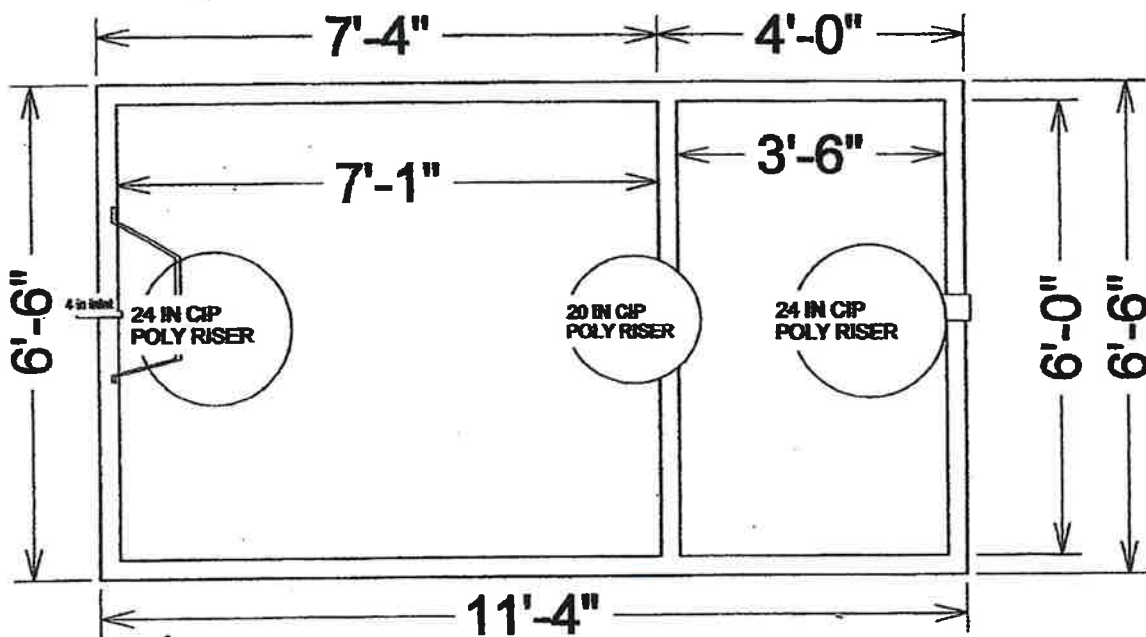
Brummer Septic LLC.  
Design Company

L-1347  
License#

This System will require an Aitkin Co. Operator permit, annual inspection  
Owner and installer are responsible for owner knowing how system is maintained.

# 1650 Gallon 2 Compartment Septic Tank

## TOP VIEW



$533 / 42" = 12.69 \text{ GPI}$

## SIDE VIEW

Drawings Owned BY Jacobson Precast, Inc.  
36641 HWY 169, Aitkin, Mn 56431

### Fiberglass Survey, Field & Utility Markers

Identify boundaries, pipelines, cables, valve boxes, manholes, right of way easements, meter locations, etc., with these professional

fiberglass markers. Weather-resistant fiber reinforced composite is temperature stable and UV resistant. Use the optional marker

driver (SN 39222, sold separately) for easy installation. Note: Custom labels and colors are available by special order. Call 800-647-5368 for details.

5784

#### Fiberglass Markers



### Utility Marker Driver

5785

For installing fiberglass boundary and utility markers (sold separately), insert the marker into the driver with the pointed end exposed. Rotate the driver into installation position and drive the marker into the soil with a series of light taps until the desired depth is reached.

Utility Marker 39222 \$175.95 Driver

	Survey	Wetland	Sewer Line	Water Line	Gas Line	Utility	Utility	Utility	Utility
Color	Orange	Brown	Green	Blue	Yellow	Orange	Green	Blue	Red
W	2-5/8	3-3/4	3-3/4	3-3/4	3-15/16	3-3/4	3-3/4	3-3/4	3-3/4
L	66	66	66	66	66	66	66	66	66
SN	39220	38852	38851	38850	38853	39221	38847	38848	38849
Each	\$19.95	\$23.50	\$23.50	\$23.50	\$23.50	\$19.95	\$19.95	\$19.95	\$19.95
20+	\$16.95	\$20.25	\$20.25	\$20.25	\$20.25	\$16.85	\$16.85	\$16.85	\$16.85
50+	\$15.75	\$18.75	\$18.75	\$18.75	\$18.75	\$15.60	\$15.60	\$15.60	\$15.60

**WARNING:** Cancer - www.P65Warnings.ca.gov.

### Wood Survey Stakes

Durable, long-lasting stakes are cut from Southern yellow pine. Points are saw-formed

to ensure all sides are equal so stakes drive straight. Note: Due to manufacturing tolerances,

product dimensions may differ slightly.

1129

#### Wood Survey Stakes



	1 x 2 Flats				2 x 2 Hubs				2 x 4 Corner				1 x 1 Guard Stakes				3/8 x 2 Lathes				
	SN	Bundle	Each	5+	SN	Bundle	Each	5+	SN	Bundle	Each	5+	SN	Bundle	Each	5+	SN	Bundle	Each	5+	
6	39515	50	\$12.50	\$10.95	39511	25	\$12.25	\$10.95													
8					39545	25	\$12.75	\$11.75													
12	39514	50	\$13.50	\$11.95	39512	25	\$14.75	\$13.25													
18	39516	50	\$18.25	\$15.75	39513	25	\$19.50	\$17.95													
36	39520	50	\$32.75	\$29.75																	
48	39523	25	\$23.25	\$21.50																	
58									39537	10	\$27.25										
													39517	50	\$27.25	\$26.50	39536	50	\$12.75	\$11.25	
													39519	50	\$38.75	\$36.75	39546	50	\$23.95	\$22.25	
													39518	50	\$47.50	\$45.25	39535	50	\$33.25	\$31.25	

### Stake Whiskers

1128

The 5-1/2" flexible plastic tops spring back if run over. Fit all wood stakes. Bundle of 25.

#### Stake Whiskers



	Blue	Red	Yellow	Orange	Green	Pink
Each	\$3.75	\$3.75	\$3.75	\$3.75	\$3.75	\$3.75
20+	\$2.95	\$2.95	\$2.95	\$2.95	\$2.95	\$2.95
50+	\$2.85	\$2.85	\$2.85	\$2.85	\$2.85	\$2.85

### Hi-Vis Barrier Fencing

1627

High visibility temporary barrier fencing is UV stabilized to prevent fading. Resists corrosion and rot. Reusable. HI-Vis Orange.

Barrier Fencing	
4' x 100' 12 lb. Non-Stretched Fence, 1.75" x 1.75" Holes	
Each	\$31.95
24919	25
Galle Ties	
8" Plastic Zip Ties, Pack of 1000	
Each	3+
17032	\$34.95 \$32.25



Carrier may require an additional handling charge.





# Minnesota Well Index

## General Information

Unique Well ID:	<b>730318</b>	Well Name:	<b>PULVER, TOM</b>	County:	<b>Aitkin</b>	Aquifer:	<b>Quat. buried artes. aquifer</b>
Well Elevation (msl in feet):	<b>1254</b>	Drilled Depth (ft):	<b>79</b>	Well Completed (ft):	<b>79</b>	Date Drilled:	<b>08/18/2005</b>
Township:	<b>48</b>	Range:	<b>24</b>	Dir:	<b>W</b>	Section:	<b>18</b>
Subsection:	<b>BCABBB</b>	Use:	<b>domestic</b>	Well Status:	<b>Active</b>	Depth To Bedrock:	
Driller:	<b>Hasskamp Bros. Well</b>	Entry Date:		Update Date:	<b>10/12/2017</b>		

## Related Resources:

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

[More Details](#)

[Stratigraphy](#)

[Address](#)

[Chemical Data](#)

[Construction](#)

[Pump Test](#)

[Static Water](#)

[Comments](#)

[Location Changes](#)

[Overview Map](#)

Description	From(ft)	To(ft)	Color	Hardness	Lith Primary	Lith Secondary	Interpretation
CLAY & ROCKS	0	28	BROWN	MEDIUM	CLAY		pebbly sand/silt/clay-brown
SAND	28	79	BROWN		SAND		sand-brown



# Detailed Parcel Report

Parcel Number: 14-1-070700

## General Information

<b>Township/City:</b>	JEVNE TWP		
<b>Taxpayer Name:</b>	POWERS, GORDON & CHRISTY		
<b>Taxpayer Address:</b>	8030 MEADOWOOD DRIVE ROCKFORD MN 55373		
<b>Property Address:</b>	27895 438th Ln		
<b>Township:</b>	48	<b>Lake Number:</b>	1008300
<b>Range:</b>	24	<b>Lake Name:</b>	TOWNLINE LAKE (JEVNE TWP) <b>PO NE</b>
<b>Section:</b>	18	<b>Acres:</b>	0.00
<b>Green Acres:</b>	No	<b>School District:</b>	4.00
<b>Plat:</b>	FELKNORS TOWNLINE SHORES		
<b>Brief Legal Description:</b>	LOT 5		

*OHW ~~12654~~  
Highest Record ~~12649~~  
Lowest Floor ~~12684~~*

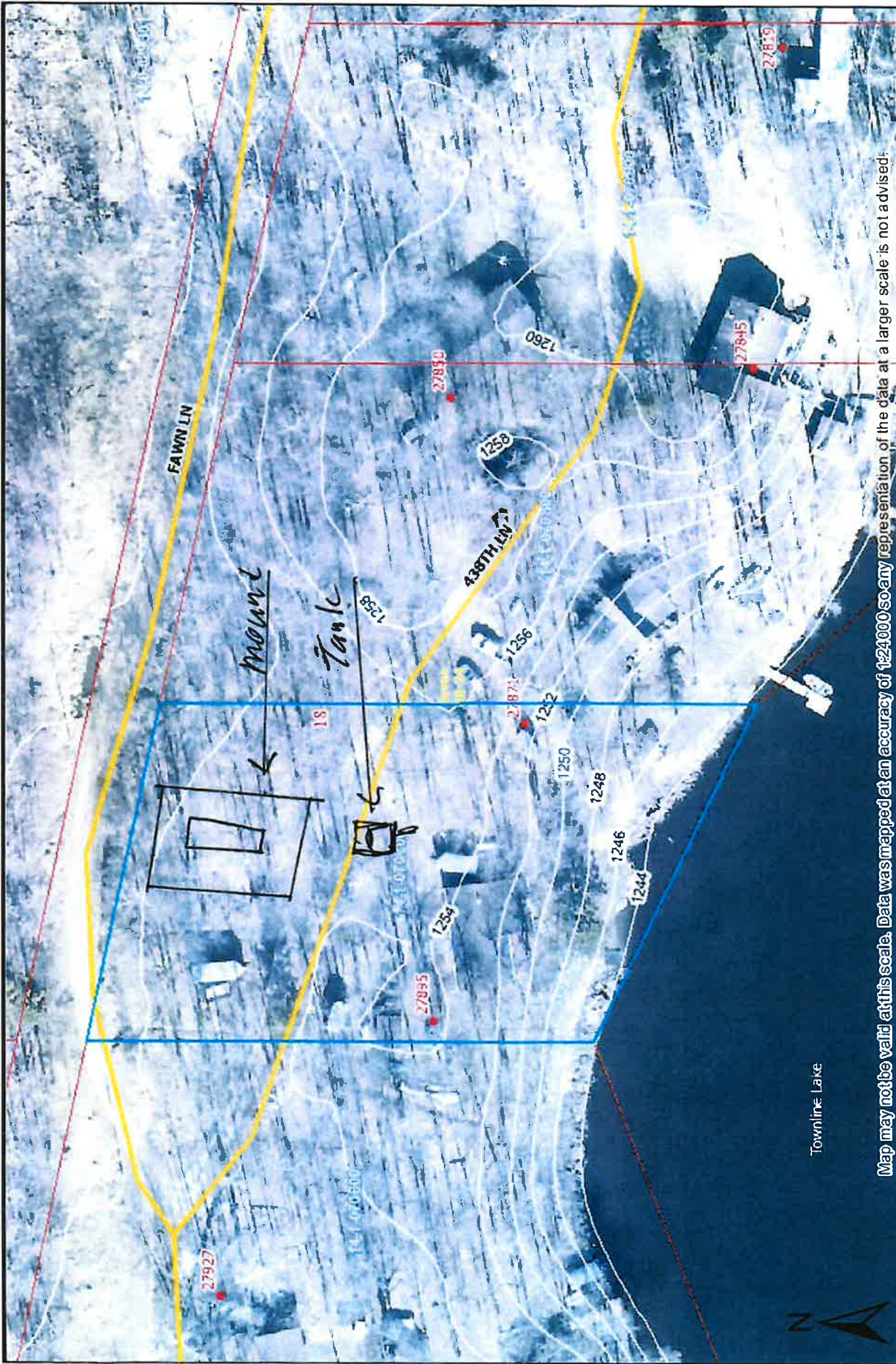
## Tax Information

<b>Class Code 1:</b>	Non-Comm Seasonal Residential Recreational
<b>Class Code 2:</b>	Unclassified
<b>Class Code 3:</b>	Unclassified
<b>Homestead:</b>	Non Homestead
<b>Assessment Year:</b>	2023

<b>Estimated Land Value:</b>	\$146,800.00
<b>Estimated Building Value:</b>	\$153,600.00
<b>Estimated Total Value:</b>	<u>\$300,400.00</u>
<b>Prior Year Total Taxable Value:</b>	\$277,700.00
<b>Current Year Net Tax (Specials Not Included):</b>	\$1,866.00
<b>Total Special Assessments:</b>	\$0.00
<b>**Current Year Balance Not Including Penalty:</b>	\$933.00
<b>Delinquent Taxes:</b>	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.



Townline Lake

Map may not be valid at this scale. Data was mapped at an accuracy of 1:24,000 so any representation of the data at a larger scale is not advised.

**Powers**

These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.



Web App Builder for ArcGIS

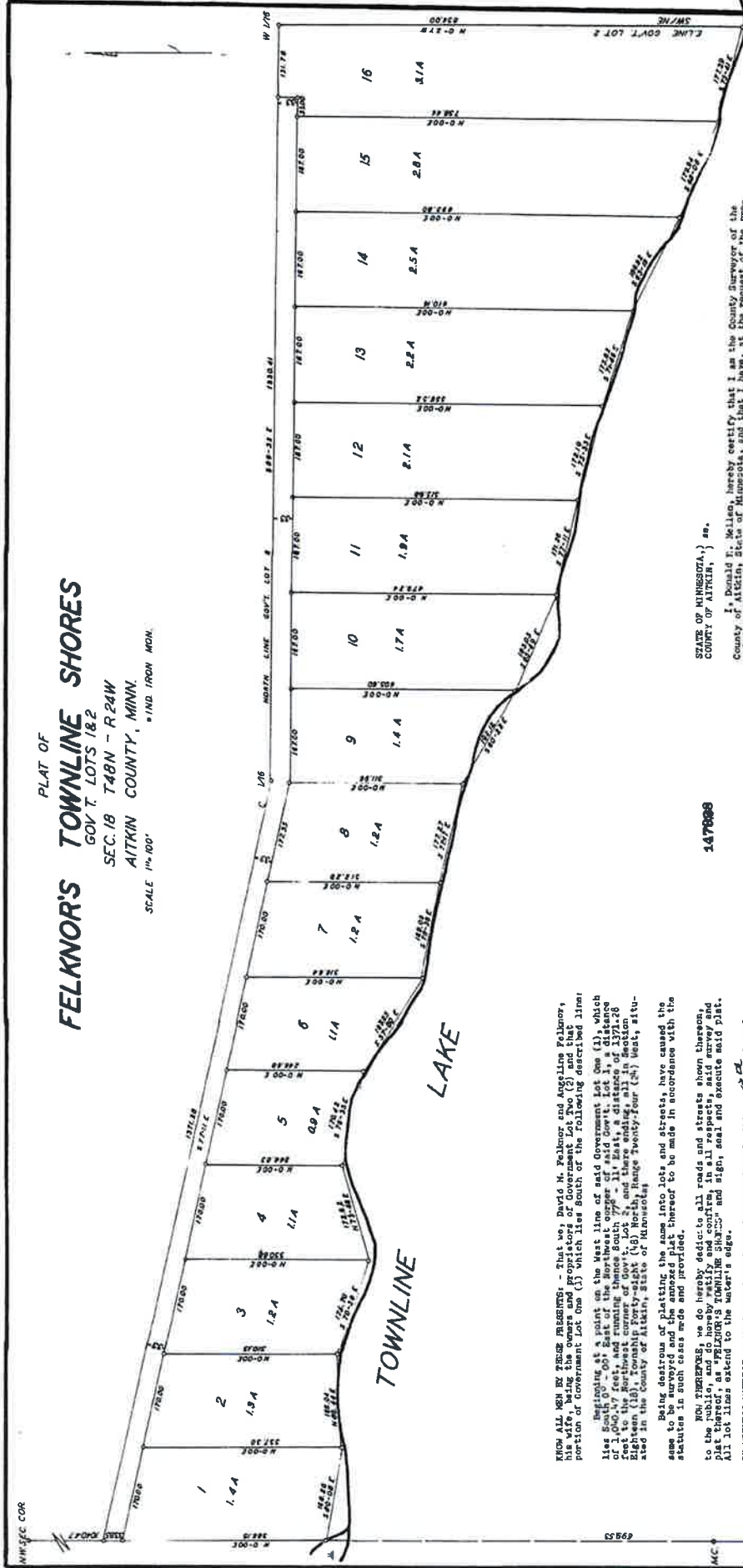
1:1,128 0 0.005 0.01 mi 1 inch = 94 feet

Date: 8/8/2023

# FELKNOR'S TOWNLINE SHORES

GOV. T. LOTS 1&2  
SEC. 18 T48N - R24W  
AITKIN COUNTY, MINN.

SCALE 1"=100'



STATE OF MINNESOTA, }  
COUNTY OF AITKIN, } ss.

I, Donald E. Melice, hereby certify that I am the County Surveyor of the County of Aitkin, Minnesota, and have made a careful survey of the premises described in the certificate of proprietors, and have placed the same into lots, as more fully set forth in the annexed plat, and that the same are in accordance with the survey of FELKNOR'S TOWNLINE SHORES, as shown on the plat hereto annexed, and that all distances are correctly shown on the plat to the best of my knowledge, and that the same are in accordance with the original monumentary boundary lines are correctly designated, that there are no wet lands, rivers, streams, creeks, lakes, public highways or thoroughfares laid out, opened or travel, and existing where the platting, other than shown on the annexed plat.

Subscribed and sworn to before me this 11th day of June, A. D., 1961  
County Surveyor, Aitkin County, Minn.  
Walter M. Moore, Notary Public, Aitkin County, Minn.

I hereby certify that the annexed plat was approved this 11th day of June, A. D., 1961.  
Notary Public, Aitkin County, Minn.  
Walter M. Moore, Notary Public, Aitkin County, Minn.

147888

STATE OF MINNESOTA }  
COUNTY OF AITKIN, } ss.  
Walter M. Moore, Notary Public, Aitkin County, Minn.

KNOW ALL MEN BY THESE PRESENTS: - That we, David M. Felknor and Angeline Felknor, his wife, being the owners and proprietors of Government Lot Two (2) and that portion of Government Lot One (1) which lie south of the following described line beginning at a point on the west line of said Government Lot One (1), which line is 1,000.47 feet, and running thence South 77° 11' East a distance of 1,371.08 feet to the Northwest corner of Gov't. Lot 3, and there ending, all in Section Eighteen (18) Township Forty-eight (48) North, Range Twenty-four (24) West, situated in the County of Aitkin, State of Minnesota.

Being desirous of platting the same into lots and streets, have caused the same to be surveyed and platted, and the same to be made in accordance with the statutes in such cases made and provided.

Now therefore, we do hereby declare to all people and streets shown thereon, to the public, and do hereby ratify and confirm, in all respects, said survey and plat thereof, as FELKNOR'S TOWNLINE SHORES, and sign, seal and execute said plat. All lot lines extend to the water's edge.

IN WITNESS WHEREOF, - We hereto set our hands and seals this 11th day of June, A. D., 1961.

Signed in presence of:  
David M. Felknor  
Angeline Felknor

STATE OF MINNESOTA, }  
COUNTY OF AITKIN, } ss.  
On this 11th day of June, A. D., 1961, personally appeared David M. Felknor and Angeline Felknor, his wife, to me well known to be the persons described in foregoing owner's certificate and acknowledged the same as their free act and deed.

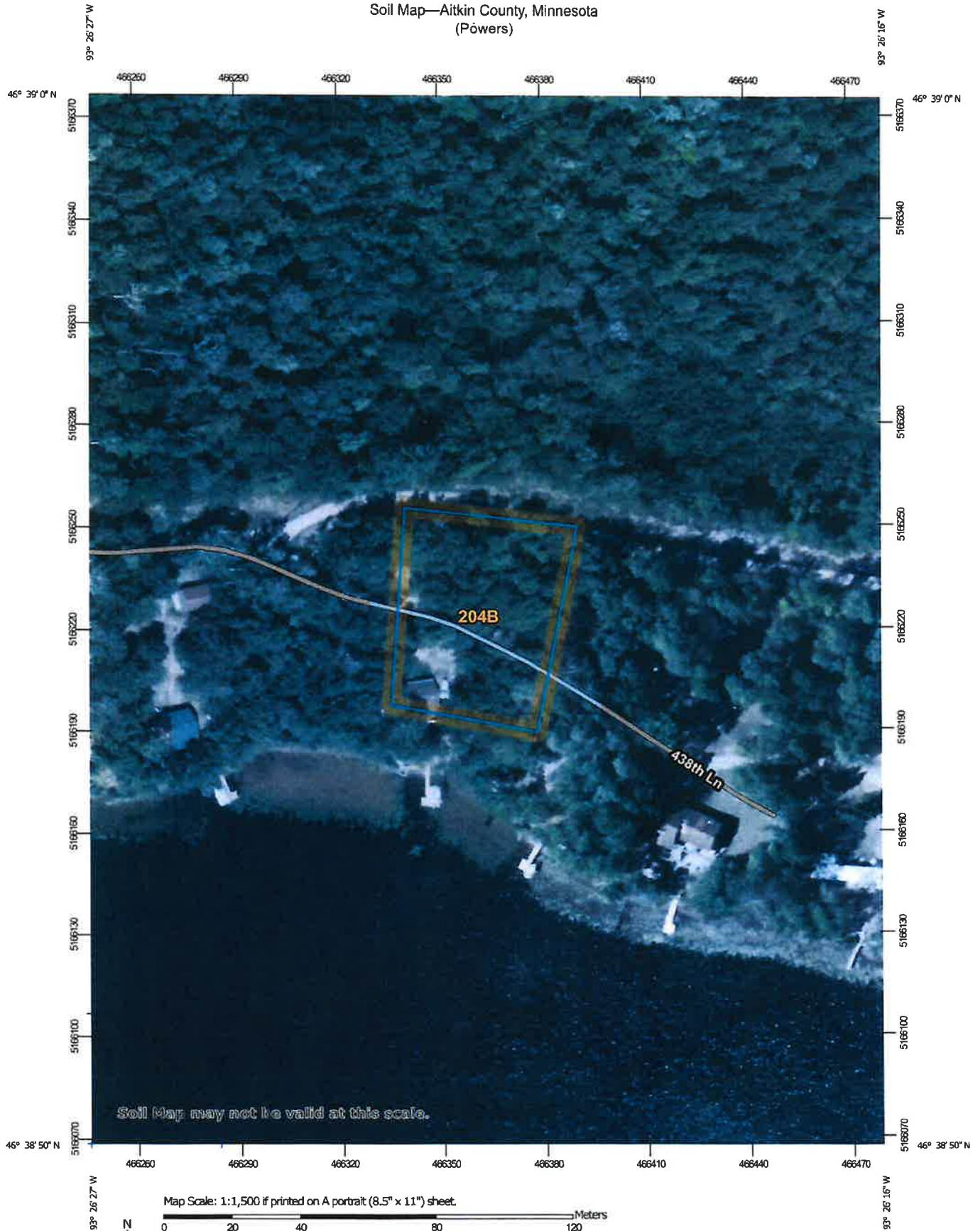
Walter M. Moore, Notary Public, Aitkin County, Minn.

DAVID M. FELKNOR  
ANGELINE FELKNOR



WALTER M. MOORE  
Notary Public, Aitkin County, Minn.

Soil Map—Aitkin County, Minnesota  
(Powers)



## Aitkin County, Minnesota

### 204B—Branstad loam, 2 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* gjfx  
*Elevation:* 980 to 1,640 feet  
*Mean annual precipitation:* 25 to 30 inches  
*Mean annual air temperature:* 39 to 45 degrees F  
*Frost-free period:* 120 to 140 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Branstad and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Branstad

##### Setting

*Landform:* Moraines  
*Landform position (two-dimensional):* Summit, backslope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Parent material:* Loamy till

##### Typical profile

*A - 0 to 2 inches:* loam  
*E,Bw,E',E/B - 2 to 17 inches:* fine sandy loam  
*Bt1,Bt2 - 17 to 36 inches:* loam  
*Bt3 - 36 to 43 inches:* loam  
*C - 43 to 60 inches:* loam

##### Properties and qualities

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Moderately well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* About 30 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* C  
*Ecological site:* F090AY015WI - Loamy Upland with Carbonates

*Forage suitability group:* Sloping Upland, Neutral (G090AN002MN)  
*Other vegetative classification:* Sloping Upland, Neutral  
(G090AN002MN)  
*Hydric soil rating:* No

#### **Minor Components**

##### **Cromwell and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

##### **Cutaway and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

##### **Alstad and similar soils**

*Percent of map unit:* 3 percent  
*Hydric soil rating:* No

##### **Hamre and similar soils**

*Percent of map unit:* 2 percent  
*Landform:* Depressions  
*Hydric soil rating:* Yes

##### **Seelyeville and similar soils**

*Percent of map unit:* 2 percent  
*Landform:* Bogs  
*Hydric soil rating:* Yes

##### **Talmoon and similar soils**

*Percent of map unit:* 2 percent  
*Landform:* Swales  
*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Aitkin County, Minnesota  
Survey Area Data: Version 23, Sep 6, 2022

# Subsurface Sewage Treatment System Management Plan

Property Owner: Gordon Powers Phone: 612-232-7188 Date: 8/28/2023  
Mailing Address: 8030 Meadowwood Dr. City: Rockford MN 55373 Zip: \_\_\_\_\_  
Site Address: 27895 438th Ln. City: Palisade MN 56469 Zip: \_\_\_\_\_

This management plan will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic service provider.

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

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

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

### Homeowner Management Tasks

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

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

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

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

### Professional Management Tasks

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

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

Property Owner Signature:  Date: 10/3/2023

Designer Signature:  Date: 8/28/2023

See Reverse Side for Management Log



## Maintenance Log

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

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

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

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

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## AITKIN COUNTY 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: 10E
- 2) Determine the required "Structure Setback" to that classification of water (SMO 5.2) ..... 2: 150
- 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: 115
- 4) Enter the corresponding 'Score Multiplier' ..... 4: 1.067
- 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, septics, bluff, and sidelots in Aitkin County.

Protected Waters Type (DNR Classification; SMO 4.13-4.14)	Required Structure Setback	Score Multiplier Structures	Required Septic Setback	Score Multiplier Septic	Score Multiplier Bluff (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) 77 + Mitigation Totals (Lines A-I) 0 = 77

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

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

*[Signature]*  
Applicant

390686 FILED OCT 27 '08 AT 9 AM Diane M. Lafferty, County Recorder

NO DELINQUENT TAXES AND TRANSFER ENTERED

This 27 Day Oct 2008

Kirk Pysarc  
County Auditor

Elizabeth Harmon  
Deputy

CERTIFICATE OF REAL ESTATE  
VALUE (  ) FILED ( ) NOT  
L. E. P. REAL  
STATE VALUE NO. 38287

Form No. 21-M LIMITED WARRANTY DEED

Corporation, Partnership or Limited Liability Company  
to Individual(s)

DEED TAX DUE: \$ 326.70

Date: 9/30/08

FOR VALUABLE CONSIDERATION, **EMC Mortgage Corporation**, a corporation under the laws of Delaware, Grantor, hereby conveys and quitclaims to **Gordon T. Powers and Christy A. Powers, as joint tenants**, Grantee, real property in **Atkin County**, Minnesota, described as follows:

→ Legal Description attached hereto as Exhibit A and by this reference incorporated herein.

together with all hereditaments and appurtenances.

This Deed conveys after-acquired title. Grantor warrants that Grantor has not done or suffered anything to encumber the property,

EXCEPT: **subject to covenants, 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.

FATCO 1025192  
7730 Olms Lane  
Edina, MN 55439  
ATTN: Recording Dept.

ATKIN COUNTY DEED TAX  
No 105 Date 10-27-08  
\$ 326.70 Dollars Paid  
Lou Adams  
County Treasurer

RE: 27895 438th Lane Pallsade



Affix Deed Tax Stamp Here

**EMC Mortgage Corporation**

By SUSAN F. CHRISTY  
VICE PRESIDENT

By Ann Lucke  
Witness

**Ann Lucke**  
Assistant Secretary

STATE OF Texas }  
  } ss.  
COUNTY OF Denton }

This instrument was acknowledged before me on 9/30/08  
by SUSAN F. CHRISTY  
the VICE PRESIDENT of **EMC Mortgage Corporation** a corporation under the laws of **Delaware**, on behalf of the corporation.

NOTARIAL STAMP OR SEAL (OR OTHER TITLE OR RANK):

Deborah L. Dawson  
SIGNATURE OF NOTARY PUBLIC OR OTHER OFFICIAL

Check here if part or all of the land is Registered (Torrens)

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

Gordon T. Powers  
8030 Meadowood Dr.  
Rockford MN 55373

THIS INSTRUMENT WAS DRAFTED BY (NAME AND ADDRESS):  
**First American Title**  
**17685 Juniper Path, Suite 210**  
**Lakeville, MN 55044**  
**1025192**

AND

**EXHIBIT 'A'**

→ **Lot 5, of the plat of Felknor's Townline Shores, Atkin County, Minnesota.**

*Dist American Title Insurance  
7235 Ohms Lane  
Edina, MN 55439*

RECORDS  
TRACT INDEX ✓  
GRANTOR  
GRANTEE  
BOOKING

OFFICE OF COUNTY RECORDER  
ATKIN COUNTY, MN  
 WELL CERTIFICATE RECEIVED  
 WELL CERTIFICATE NOT REQUIRED

COUNTY RECORDER  
ATKIN COUNTY, MINNESOTA  
**FILED**

OCT 27 2008 9AM

*Blanca R. Coffey*  
As Doc. No.

**390686**

*3/10/08  
10-27-9  
P  
②*

## **SUMMARY OF NOTICES**

### **November 1, 2023**

**SUSAN WARD** There were 34 notices sent out in regard to this application. No new letters of correspondence were received.

**DOUGLAS & MARY FAWVER** There were 27 notices sent out in regard to this application. No letters of correspondence were received.

**GORDON & CHRISTY POWERS** There were 18 notices sent out in regard to this application. No letters of correspondence were received.

**JOHN C CASSADY TRUSTEE** There were 21 notices sent out in regard to this application. No letters of correspondence were received.

**AITKIN COUNTY ZONING**

## **AGENDA**

THE **BOARD OF ADJUSTMENT** WILL ASSEMBLE FOR A HEARING OF APPEALS FROM THE AITKIN COUNTY ZONING ORDINANCE ON November 1, 2023 **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 November 1, 2023 Board of Adjustment meeting.

### **Old Business:**

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

**APP-2023-000499**

### **New Business:**

**5. DOUGLAS & MARY FAWVER, 38669 240TH 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 59 feet to increase the roof pitch on a 640 square foot accessory building to a 4/12 pitch, in an area zoned shoreland. LOT 3 BLOCK 4 WEALTHWOOD. Section Twenty-nine (29), Township Forty-five (45), Range Twenty-six (26), Aitkin County, MN.

**APP-2023-001104**

**6. GORDON & CHRISTY POWERS, 8030 MEADOWOOD DR, ROCKFORD, MN 55373**, are requesting a variance from the required 150 foot ordinary high water level setback on a natural environment lake (Round) to a setback distance of 115 feet to install a mound septic, in an area zoned shoreland. LOT 5 FELKNORS TOWNLINE SHORES. Section Eighteen (18), Township Forty-eight (48), Range Twenty-four (24), Aitkin County, MN.

**APP-2023-001143**

**7. JOHN C CASSADY TRUSTEE, 2573 50TH ST NE, BUFFALO, MN 55313**, is requesting an after the fact variance from the required 30 foot township road right-of-way setback to a setback distance of 24 feet for a 46 foot by 26 foot residence, in an area zoned shoreland. LOT 5 BLOCK 1 ARROWHEAD ACRES 2ND ADDITION. Section Thirteen (13), Township Forty-six (46), Range Twenty-seven (27), Aitkin County, MN.

**APP-2023-001179**

**8. Approval of minutes, October 4, 2023.**

**9. Adjourn.**

**AITKIN COUNTY ZONING**



## NOTICE OF HEARING

THE **BOARD OF ADJUSTMENT** WILL ASSEMBLE FOR A HEARING OF APPEALS FROM THE AITKIN COUNTY ZONING ORDINANCE ON November 1, 2023 **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.

**DOUGLAS & MARY FAWVER, 38669 240TH 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 59 feet to increase the roof pitch on a 640 square foot accessory building to a 4/12 pitch, in an area zoned shoreland. LOT 3 BLOCK 4 WEALTHWOOD. Section Twenty-nine (29), Township Forty-five (45), Range Twenty-six (26), Aitkin County, MN.

**APP-2023-001104**

**GORDON & CHRISTY POWERS, 8030 MEADOWOOD DR, ROCKFORD, MN 55373**, are requesting a variance from the required 150 foot ordinary high water level setback on a natural environment lake (Round) to a setback distance of 115 feet to install a mound septic, in an area zoned shoreland. LOT 5 FELKNORS TOWNLINE SHORES. Section Eighteen (18), Township Forty-eight (48), Range Twenty-four (24), Aitkin County, MN.

**APP-2023-001143**

**JOHN C CASSADY TRUSTEE, 2573 50TH ST NE, BUFFALO, MN 55313**, is requesting an after the fact variance from the required 30 foot township road right-of-way setback to a setback distance of 24 feet for a 46 foot by 26 foot residence, in an area zoned shoreland. LOT 5 BLOCK 1 ARROWHEAD ACRES 2ND ADDITION. Section Thirteen (13), Township Forty-six (46), Range Twenty-seven (27), Aitkin County, MN.

**APP-2023-001179**

**AITKIN COUNTY ZONING**

**NOTICE OF REVIEW**

NOTICE OF REVIEW OF THE APPLICATION FOR A VARIANCE AS REQUIRED BY  
THE AITKIN COUNTY ZONING ORDINANCE

---

TO WHOM IT MAY CONCERN:

<b>GORDON &amp; CHRISTY POWERS</b>	<b>8030 MEADOWOOD DR</b>	<b>ROCKFORD, MN 55373</b>
NAME	ADDRESS	CITY, STATE ZIP

Has made application to the Aitkin County Board of Adjustment for a variance. The public hearing will be held by the Board of Adjustment on **Wednesday, November 1, 2023 at 4:00PM** in the **AITKIN COUNTY GOVERNMENT CENTER BOARD ROOM, 307 SECOND STREET NW, Aitkin, Minnesota 56431** at which time you may submit your views on this matter in person, by mail, or by representative.

**THE PROPERTY CONCERNED IN THE APPLICATION IS LEGALLY DESCRIBED AS:** LOT 5 FELKNORS TOWNLINE SHORES. Section Eighteen (18), Township Forty-eight (48), Range Twenty-four (24), Aitkin County, MN.

**THE 911 ADDRESS OF THE PROPERTY IS:** 27895 438th Lane Palisade, MN 56469.

**THE PURPOSE OF THE APPLICATION IS:** requesting a variance from the required 150 foot ordinary high water level setback on a natural environment lake (Round) to a setback distance of 115 feet to install a mound septic, in an area zoned shoreland.

**APP-2023-001143**

An effort has been made to notify the nearest ten (10) property owners or all property owners within 700 feet of the premises concerned; whichever is greater. **Addresses are not always complete or correct; to ensure that everyone has been notified, please share this notice with any of your neighbors that may not have been notified by mail.**

**THE DECISION OF THE VARIANCE IS USUALLY MADE AT THE HEARING.**

Dated: October 13, 2023

Aitkin County Board of Adjustment  
C/O Aitkin County Planning & Zoning  
307 2<sup>nd</sup> St NW, Room 219  
Aitkin MN 56431  
Telephone: 218-927-7342  
AitkinPZ@co.aitkin.mn.us



## Application Information

### Tracking Sheet

Meeting Date:

11/01/2023

Application Date:

10/02/2023

60-Day Expiration Date:

11/30/2023

5 Board Members received notice?

Yes

Which township officials received notice?

(Chairman and Clerk)

Jevne (1)

SWCD received notice?

Yes

DNR received notice?

Yes

County Highway received notice?

Yes

MnDOT received notice? Which District?

NA

MHB received notice?

N/A

Newspaper received notice?

Yes

How many neighbor notices (including the applicant) were sent?

11

What buffer area did you use for the Neighbor Notices? (min 700 ft)

700 ft<sup>2</sup>

Lake Association received notice?

NA

District # and Commissioner Name:

Sample

Authorized Agent received notice?

N/A

County Attorney received notice?

Yes

# of Notices Sent:

18

Other:

Other attachment:  
.....

## Day of Meeting Checklist

Use this checklist as a reminder of things that need to be done on the day of the meeting.

Check all that are completed.:

Check all that have been completed for the courtroom prep:

Check all that have been completed for the MLEC room prep:

BELL, ROBERT M & KAREN L  
17450 INTERLACHEN DR NE  
HAM LAKE MN 55304

TOWNLIN DMP LLC  
5600 54TH AVE N  
CRYSTAL MN 55429

DUSBABEK, ROGER & LUCILLE  
5400 LOGAN AVE N  
MINNEAPOLIS MN 55430

EARLEY, JEFFREY  
27995 438TH LN  
PALISADE MN 56469

ELLEDGE, TIMOTHY & JANICE  
PO BOX 146  
PALISADE MN 56469

HAGEMeyer, JASON R  
212 HICKORY ST S  
LESTER PRAIRIE MN 55354

JOHNSON, KYLE G ETAL  
3224 E MINNEHAHA PKWY  
MINNEAPOLIS MN 55406

MOORE, JEFFREY FRANK  
1539 85TH AVE NE  
BLAINE MN 55449

OLSON, MARY JANE  
119 RICKARD ROAD NE  
FRIDLEY MN 55432

POWERS, GORDON & CHRISTY  
8030 MEADOWOOD DRIVE  
ROCKFORD MN 55373



STERN, DARELL O  
PO BOX 146  
PALISADE MN 56469



**B.O.A. INSPECTION REPORT**

NAME: Gorrod & Christy POWERS APPLICATION # 2023-001143

CONFORMING SEPTIC SYSTEM: YES NO YEAR INSTALLED: NEW DESIGN

VARIANCE SETBACK AS STAKED:

OHWL 110' to Tank ROAD 10' ±

PROPERTY LINE 13' BLUFF N/A

\*\*Were survey monuments located? YES  NO

SEPTIC SYSTEM — OTHER —

FLOODPLAIN ELEVATION —

**DOUBLE CHECK APPLICANT'S MEASUREMENTS**

NEIGHBORING STRUCTURE COMMENTS:

West neighbor's mound permitted to meet 150' OTHW setback  
East neighbor's mound permitted to meet 150' OTHW setback

OBSERVATIONS (Include – variance criteria, proposed physical development of the property, environmental concerns, purpose and intent of relevant official controls, consistency with comprehensive plan, decisions regarding all other considerations):

Since mound is close to two ROW's, a survey is recommended to ensure mound is off of right-of-way. No other location on property meets 150' OTHW setback.

Based on the applicants submitted information and this site inspection, this office feels the 6 criteria for granting a variance are/are not met. List any conditions:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR: C. Plagge DATE: 10/27/2023

Permit Application #2023-001143

Gordon & Christy Powers



**Left:** Septic tank location. 110' from the OHW.







Proposed septic mound location meets OHW setback. Since the proposed mound is between two Road ROW's, a survey is strongly recommended to ensure setbacks are met.

**AITKIN COUNTY ZONING**

**FINDINGS OF FACT**

**SUPPORTING/DENYING A VARIANCE**

NAME OF APPLICANT Gordon J. Cukuski DATE 11/1/23  
Powles  
PERMIT NUMBER 2023-001143 TAX PARCEL NUMBER 14-1-070700

DECISIONAL STANDARDS WHEN GRANTING OR DENYING A VARIANCE:

1. IS THE VARIANCE IN HARMONY WITH THE GENERAL PURPOSES AND INTENT OF THE OFFICIAL CONTROL AND CONSISTENT WITH THE COMPREHENSIVE PLAN?  YES NO

WHY or WHY NOT? Limited lot size

2. IS THE OWNER PROPOSING TO USE THE PROPERTY IN A REASONABLE MANNER NOT PERMITTED BY THE OFFICIAL CONTROL?  YES NO

WHY or WHY NOT? See #1

3. IS THE PRACTICAL DIFFICULTY DUE TO CIRCUMSTANCES UNIQUE TO THIS PROPERTY?  YES NO

WHY or WHY NOT? lot size limits the available area for meeting setback

(Over)

4. IS THE NEED FOR THE VARIANCE CREATED BY ACTIONS OTHER THAN THE LANDOWNER OR PRIOR LANDOWNERS?  YES NO

WHY or WHY NOT? Lots created prior to ordinance

---

---

5. WILL THE ISSUANCE OF THE VARIANCE MAINTAIN THE ESSENTIAL CHARACTER OF THE LOCALITY?  YES NO

WHY or WHY NOT? Similar lots in area

---

---

6. DOES THE PRACTICAL DIFFICULTY INVOLVE MORE THAN ECONOMIC CONSIDERATIONS?  YES NO

WHY or WHY NOT? see # 1-5

---

---

**IF ALL OF THE DECISIONAL STANDARDS ARE ANSWERED (YES) THE CRITERIA FOR GRANTING THE VARIANCE HAVE BEEN MET.**

# NOTICE OF DECISION for

STATE OF MINNESOTA  
COUNTY OF AITKIN

AITKIN COUNTY BOARD OF ADJUSTMENT  
VARIANCE PROCEEDINGS

IN THE MATTER OF APPLICATION NUMBER: 2023-001143

VARIANCE Denied or Approved (Circle one)

APPLICANT:

Name Gordon & Christy Powell  
Mailing Address 8030 MEADOWOOD DR  
City, State, Zip ROCKFORD MN 55873

The above entitled matter came to be heard before the Board of Adjustment on the 15<sup>th</sup> day of NOVEMBER, 2023, on a petition for a Variance pursuant to the Aitkin County Zoning Ordinance, for the following described parcel of land:

IT IS ORDERED that a Variance BE granted upon the following conditions or reasons (if any): 1. SHORELAND PERFORMANCE WORKSHEET TO EQUAL 100 POINTS. 2. DEADFIELD TO BE PERMANENTLY MARKED.

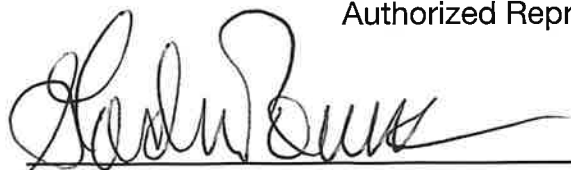
**FINDING OF FACTS or CONDITIONS (if any)  
WILL BE FORTHCOMING ON THE RECORDING DOCUMENT**

DATED THIS 15<sup>th</sup> DAY OF NOVEMBER, 2023.



Chairperson of the Board of Adjustment or  
Authorized Representative

Applicant acknowledges receipt of this document.



Signature of Applicant

**THIS INSTRUMENT WAS DRAFTED BY:**  
AITKIN COUNTY ZONING ADMINISTRATOR  
COURTHOUSE  
AITKIN, MINNESOTA 56431

*Appeal of this decision shall be within 30 days after receipt of this notice of Decision, to the District Court in the County in which the land is located on questions of law and fact.*

COPY

STATE OF MINNESOTA  
COUNTY OF AITKIN

AITKIN COUNTY BOARD OF ADJUSTMENT  
VARIANCE PROCEEDINGS

In the matter of APPLICATION #2023-001143/PERMIT #48344V

REQUEST: requesting a variance from the required 150 foot ordinary high water level setback on a natural environment lake (Townline) to a setback distance of 115 feet to install a mound septic, in an area zoned shoreland.

**GORDON & CHRISTY POWERS**  
**8030 MEADOWOOD DR**  
**ROCKFORD, MN 55373**

The above entitled matter came to be heard before the Board of Adjustment on the 1ST day of NOVEMBER, 2023, on a petition for a Variance pursuant to Aitkin County Ordinance, for the following described parcel of land:

Lot 5, of the plat of Felknor's Townline Shores, Aitkin County, Minnesota.

IT IS ORDERED that a Variance BE GRANTED upon the following conditions or reasons (if any):

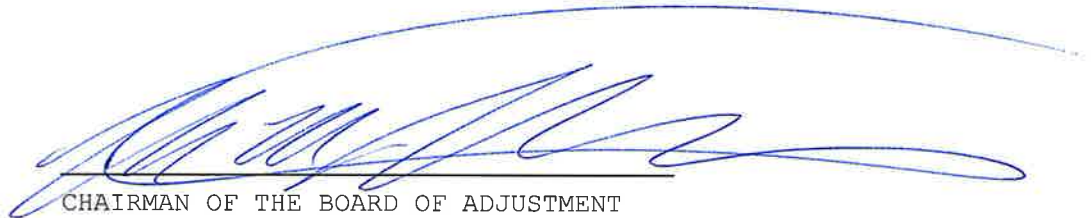
- 1. Shoreland Performance Worksheet to equal 100 points.
- 2. Drainfield to be permanently marked.

FINDING OF FACT(S) (if any):

All of the six decisional standards for granting a variance as in the Aitkin County Zoning Findings of Fact sheet WERE MET.

See APPLICATION #2023-001143/PERMIT #48344V

DATED THIS 1ST DAY OF NOVEMBER, 2023.



CHAIRMAN OF THE BOARD OF ADJUSTMENT

STATE OF MINNESOTA )		AITKIN COUNTY PLANNING
) ss.		AND ZONING OFFICE
COUNTY OF AITKIN )		

I, Andrew Carlstrom, Zoning Administrator for the County of Aitkin, with and in for said County, do hereby certify that I have compared the foregoing Copy and Order GRANTING a Variance with the original record thereof preserved in my office, and have found the same to be a correct and true transcript of the whole thereof.

IN TESTIMONY WHEREOF, I have hereunto subscribed my hand at Aitkin, Minnesota in the County of Aitkin on the 2ND day of NOVEMBER, 2023.



AITKIN COUNTY ZONING ADMINISTRATOR

THIS INSTRUMENT WAS DRAFTED BY:  
AITKIN COUNTY ZONING ADMINISTRATOR  
COURTHOUSE