

## Aitkin County Holding Tank Design

Property Owner: Kim Cooper Date: 10/16/2023 Cell: 218-429-1765  
 Mailing Address: 49538 Great River Rd Home Phone #: \_\_\_\_\_  
 City: Palisade State: MN Zip: 56469  
 Site Address: 49538 Great River Rd Parcel Number: 19-0-020002  
 City: Palisade State: MN Zip: 56469  
 Driving Directions if no address issued : \_\_\_\_\_

Legal Description : In Doc 369468  
 Sec : 13 Twp.: 49 Range : 25 Twp. Name : Logan 125 ft SSTS setback  
 Lake / River : Mississippi Lake / River Classification : Select One

**FLOW DATA**

Number of Bedrooms : 2  
 Dwelling Classification : I  
 System Type : II  
 Gallons per Day ( GPD ) : 300

Estimated Flow in Gallons per Day (GPD)

Bedrooms	Class I	Class II	Class III
2	300	225	180
3	450	300	218
4	600	375	256
5	750	450	294
6	900	525	332
7	1050	600	370
8	1200	675	408

**WELLS**

Deep Well : Existing Deep  
 Shallow Well : None

Wells to be sealed ( if Applicable ) ? \_\_\_\_\_

**SETBACKS**

Tank(s) to Well : +70' Drainfield to Well : NA Sewer Line to Well : \_\_\_\_\_  
 Tank(s) to House : 13' Drainfield to House : NA Air Test NO  
 Tank(s) to Property Line : +10' Drainfield to Property Line : NA

**Additional System Notes and Information:**

New Deep Well SE of House Approx 80 ft to tank. 125 ft river setback to SSTS

Lot is too small for a type I septic system

Tank pinched between house property line and small shed.

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: 10/16/2023  
 Page: 1 Of \_\_\_\_\_

**Aitkin County { Design Notes }**

Property Owner: Kim Cooper Date: 10/16/2023 Designer's Initials : JB  
49538 Great River Rd Palisade MN Pin : 19-0-020002

Existing House will have one 1500 gal. Jacobson holding tank system .  
Lot is too small for Type I system. Existing deep well will be + 70' from tank.

Install 1500 Jacobson Holding tank with gravity flow from house. .  
Install cleanout near house.  
Raise at least one manhole per compartment, install an alarm at approx. 75% of.  
Install alarm at 75% of tank's capacity, approx. 32 inches off bottom  
this will leave approx. 375 gallons of reserve capacity.  
Tank will meet 50ft. Setback from well, and will meet 10 ft. setback to all property lines.  
Tank will meet 10 ft. setback to buildings. Tanks will meet setback to River 125'.

Holding tank location will be tight, 10 ft from small shed 10 ft from property line, 13' ft from house  
approx. 126 ft from river.

Home owner will have a pumping agreement with local pumper on file.

Setbacks are

- 50 ft. from well
- 10 ft. from lot line
- 10 ft. from road easement
- 10 ft. from structure.
- 125 ft Mississippi setback.

( 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
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Owner should install protection around tank to keep traffic off tank.

Designer Name : Jeff Brummer License Number : L-1347

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

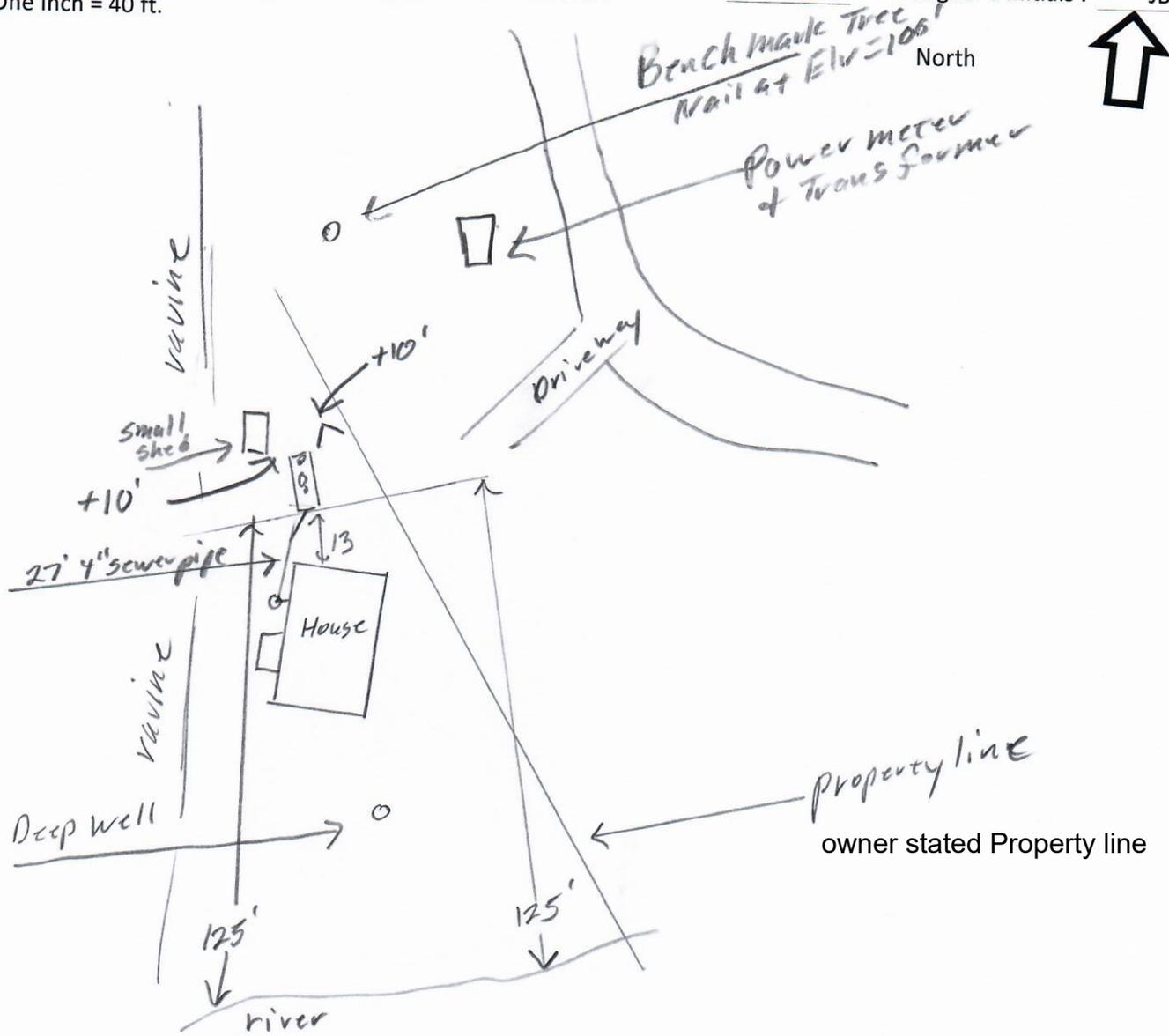
Zip Code : 56401 Home Phone # : \_\_\_\_\_ Cell: 218-821-0704

E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 10/16/2023

# Aitkin County { Holding Tank Design }

Property Owner: Kim Cooper Date: 10/16/23 Designer's Initials: JB  
 One Inch = 40 ft.



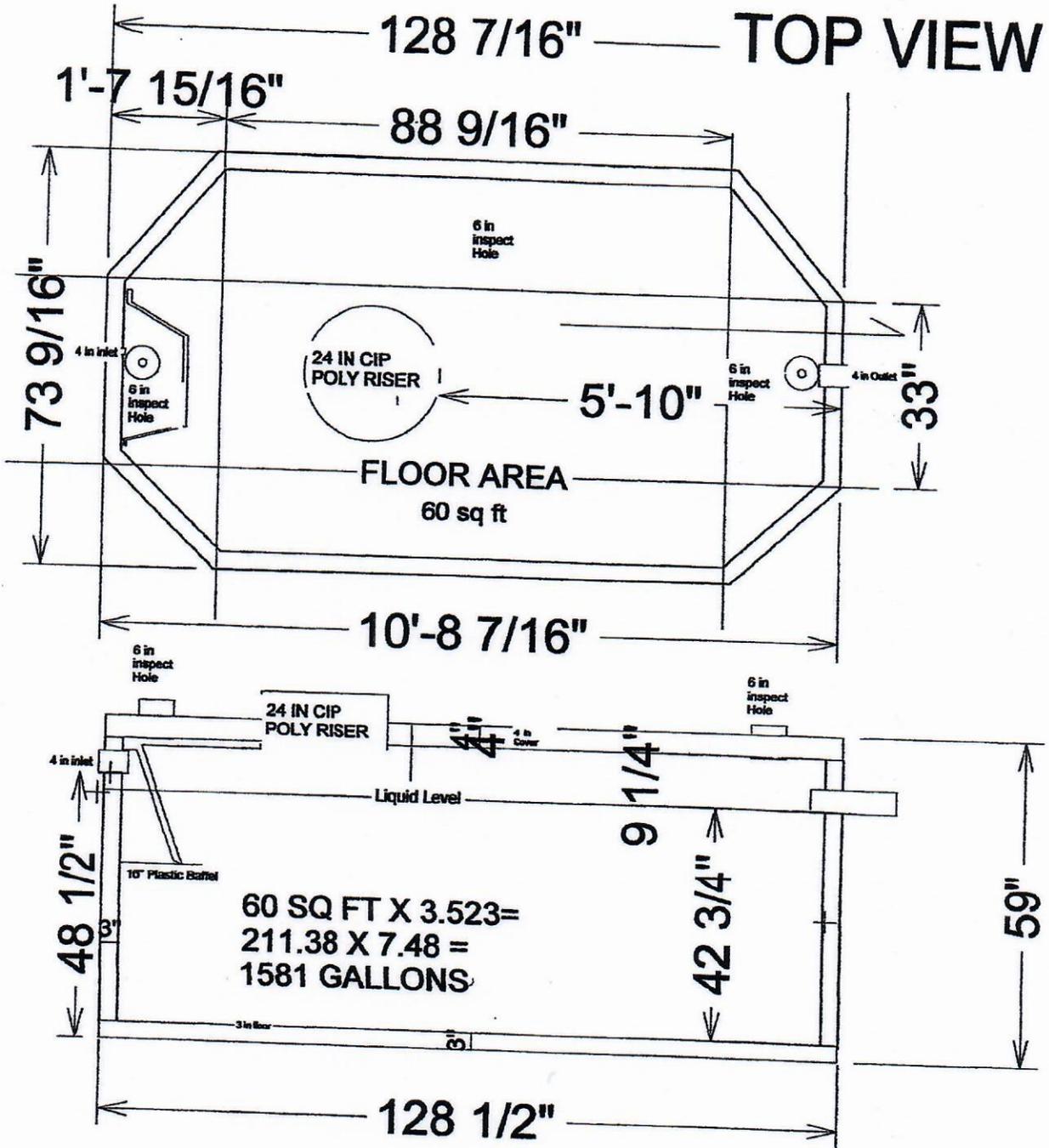
Elevation at NW corner of House Elv. = 99'  
 Approx River Elv. = 81'

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.       | Disturbed/Compacted Areas | Access Route for Tank Maintenance |
| Water lines within 10 ft. of Drain field. | Component Location        | Property Lines                    |
| Drain field Areas:                        | OHW ordinary high water   | Structures                        |
|   | Lot Easements             | Setbacks                          |

**Elevations :** Benchmark Elevation: Elv.= 100' Nail on Power pole SW lot corner  
 New tank grade Elv.= 99' Existing Grade at NW corner of house Elv. = 99'  
 New tank inlet Elv.= 97.5' Estimated sewer pipe at house Elv.= 98.'

# 1500H Holding Tank



35.08 gallons per. inch

## **SIDE VIEW**

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

Do not copy drawings without permission of the Owner

**HOLDING TANK PUMPING SERVICE AGREEMENT** PID# 19-0-020002

Permit# \_\_\_\_\_ Address 49538 Great River Rd Palisade Mn 56469

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Timber Lakes Septic Service hereinafter referred to as "Contractor", and Kim Cooper hereinafter referred to as "Homeowner".

WHEREAS, Homeowner desires and is required to retain individual sewage treatment system holding tank services to protect the environment and to obtain a certificate of compliance from Aitkin County; and

WHEREAS, the Contractor desires to provide sewage treatment system pumping services to Homeowner as necessary and in accordance with the terms and conditions outlined herein.

NOW THEREFORE, in consideration of the mutual promises contained herein, Parties do hereby agree as follows:

1. **TERM.** The term of this Agreement shall be from \_\_\_\_\_ to final installation of an Aitkin County approved sewage treatment system or connection to a Municipal Sewage Treatment System, unless earlier terminated as provided herein. The parties understand and agree that this Agreement is intended to arrange for the provision of pumping services so that Homeowner may occupy the home pursuant to a certificate of compliance to be issued by the Aitkin County Environmental Services Department upon execution of this Agreement. Homeowner further agrees that at the earliest possible date, Homeowner shall have a permanent sewage treatment system installed in accordance with the Aitkin County Subsurface Sewage Treatment System Ordinance and as approved by the Aitkin County Environmental Services Department or connect to a Municipal Sewage Treatment System. Upon approval by the County of Aitkin of the individual sewage treatment system or connection to a municipal sewer, or approval by Aitkin County Environmental Services of an amended or different contract, this Agreement shall terminate.

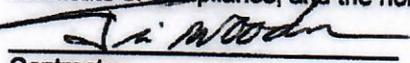
2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- Tank size (gal.) \_\_\_\_\_ / (number of household occupants multiplied by 75 gallons per day) = frequency of pumping: or
- Within 24 hours of indication by tank alarm of lack of capacity (applicable only if system has a functional alarm):
- Whichever is greater

Contractor agrees to provide pumping services according to the regular pumping schedule or as needed to prevent discharge. Homeowner shall compensate Contractor as agreed by the parties for pumping services rendered.

3. **INSPECTION.** Holding tanks will be inspected by a licensed pumper at the time of servicing for leaks below the operating depth and whether tank tops, riser joints, and connections leak through visual evidence of major defects.

4. **REPORTING.** Grievances of Homeowner or Contractor shall be reported to the Aitkin County Environmental Services Department by Homeowner or Contractor. Homeowner and Contractor understand that failure to have holding tank pumped as herein specified or the discharge of any contents from the holding tank, regardless of fault, may result in the suspension, cancellation or revocation of the certificate of compliance, and the homeowner may be required to vacate the premises.

  
Contractor

\_\_\_\_\_  
Homeowner

Date 10/16/2023

Date \_\_\_\_\_

Timber Lakes Septic Service (218) 927-6175

Kim Cooper

1037 1st St. NW Aitkin MN 56431

49538 Great River Rd Palisade Mn 56469

Timber Lake Septic Service (218) 927-6175

P:\PZSHARE\Forms\Pumping Agreement.DOC Pumping Agreement



# Detailed Parcel Report

Parcel Number: 19-0-020002

## General Information

Township/City: LOGAN TWP  
 Taxpayer Name: COOPER, KIM R  
 Taxpayer Address: PO BOX 162  
 PALISADE MN 56469  
 Property Address: 49538 Great River Rd  
 Township: 49  
 Range: 25  
 Section: 13  
 Green Acres: No  
 Plat:  
 Brief Legal Description: PART OF LOT 1 S OF CO RD #10 & E OF DITCH #88 IN DOC 369468

Lake Number: 1060400  
 Lake Name: Mississippi River  
 Acres: 1.00  
 School District: 1.00

## Tax Information

*125\$+ SSTS  
set back.*

Class Code 1: Residential 1-3 units Previously SRR  
 Class Code 2: Unclassified  
 Class Code 3: Unclassified  
 Homestead: Owner Homestead  
 Assessment Year: 2023

Estimated Land Value: \$14,000.00  
 Estimated Building Value: \$40,600.00  
 Estimated Total Value: \$54,600.00  
 Prior Year Total Taxable Value: \$47,600.00  
 Current Year Net Tax (Specials Not Included): \$322.00  
 Total Special Assessments: \$0.00  
 \*\*Current Year Balance Not Including Penalty: \$161.00  
 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.