

# Aitkin County Holding Tank Design

24-184

Property Owner: Steven Field Date: 10/7/2024 Cell: 507-383-9313  
 Mailing Address: 21973 795th Ave. Home Phone #: \_\_\_\_\_  
 City: Albert Lee State: MN Zip: 56007  
 Site Address: 22239 512th Ln. Parcel Number: 39-0-003100  
 City: McGregor State: MN Zip: 55760  
 Driving Directions if no address issued : \_\_\_\_\_

Legal Description : Pt. Of Lot 9 in Doc. 461586  
 Sec : 1 Twp.: 49 Range : 24 Twp. Name : Workman  
 Lake / River : Big Sandy Lake / River Classification : GD

Bedrooms are for design propose  
 may be more than 2 bedrooms

**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 : +50' Drainfield to Well : NA Sewer Line to Well : \_\_\_\_\_  
 Tank(s) to House : +10' Drainfield to House : NA Air Test NO  
 Tank(s) to Property Line : +10' Drainfield to Property Line : NA

**Additional System Notes and Information:**

Existing Tank to be pumped, collapsed, filled or removed. Gravity bed to be abandon in place.  
Lot is too small for a type I septic system  
Install 2 - 1500 gallon holding tanks plus 50 ft from well

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: 10/7/2024

**Aitkin County { Holding Tank Design }**

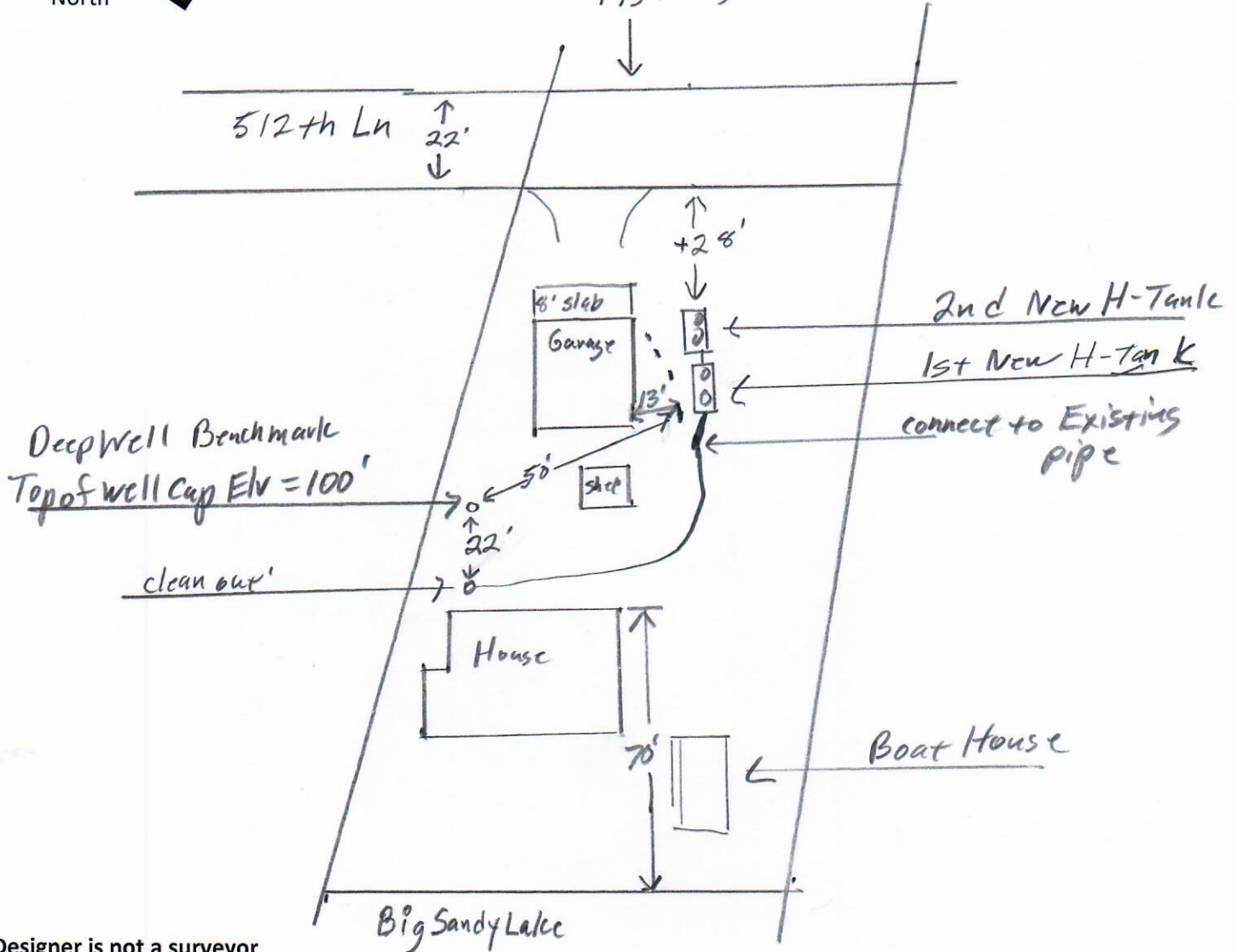
Property Owner: Steven Field Date: 10/7/24 Designer's Initials: JB

One Inch = 40 ft.

North



Lake  
↑  
+75 to Edge of Road.  
↓



**Designer is not a surveyor**

Big Sandy Lake Elv. = 90.3' Libby Dam Elv. = 1216.1' on 10/7/2024 100 Yr. Flood Elv. = 1223.9' or 98.1'

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

<b>Elevations :</b> Benchmark Elevation:	Elv. = 100' Top of Deep Well Cap or Approx. Elv. = 1225.8'
Existing tank grade Elv. = 99'	Grade at Clean-out near house Elv. = 100.3'
Existing tank inlet Elv. = 97.4'	Estimated sewer pipe at house Elv. = 99.2'
1st Holding Tank Grade Elv. = 98.7'	Estimated 1st holding tank in-let Elv. = 97.4'
2nd Holding Tank Grade Elv. = 98.2'	

**Aitkin County { Design Notes }**

Property Owner: Steven Field Date: 10/7/2024 Designer's Initials : JB  
22239 512th Ln. McGregor Mn 55760 Pin : 39-0-003100

Existing House will have 2 holding tank system ( 2/ 1500 gallon Jacobson Holding tanks in series) .  
Lot is too small for Type I system. Existing deep well will be + 50' from New tanks.  
Existing septic tank to be pumped, collapsed, filled or removed. Existing gravity bed to be abandon in-place.  
1st new holding tank will be partly in same location as exiting tank. Connect to existing sewer pipe.  
Install with serial gravity flow from 1st tank to 2nd tank.  
Raise at least one manhole per tank, ( recommend manhole raise at least 6" above finished grade).  
Install alarm in last holding tank, at 66% of tanks capacity, approx. 27 inches of bottom of tank.  
this will leave approx. 510 gallons of reserve capacity.  
Tanks 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 lake 75'.


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

Setbacks are

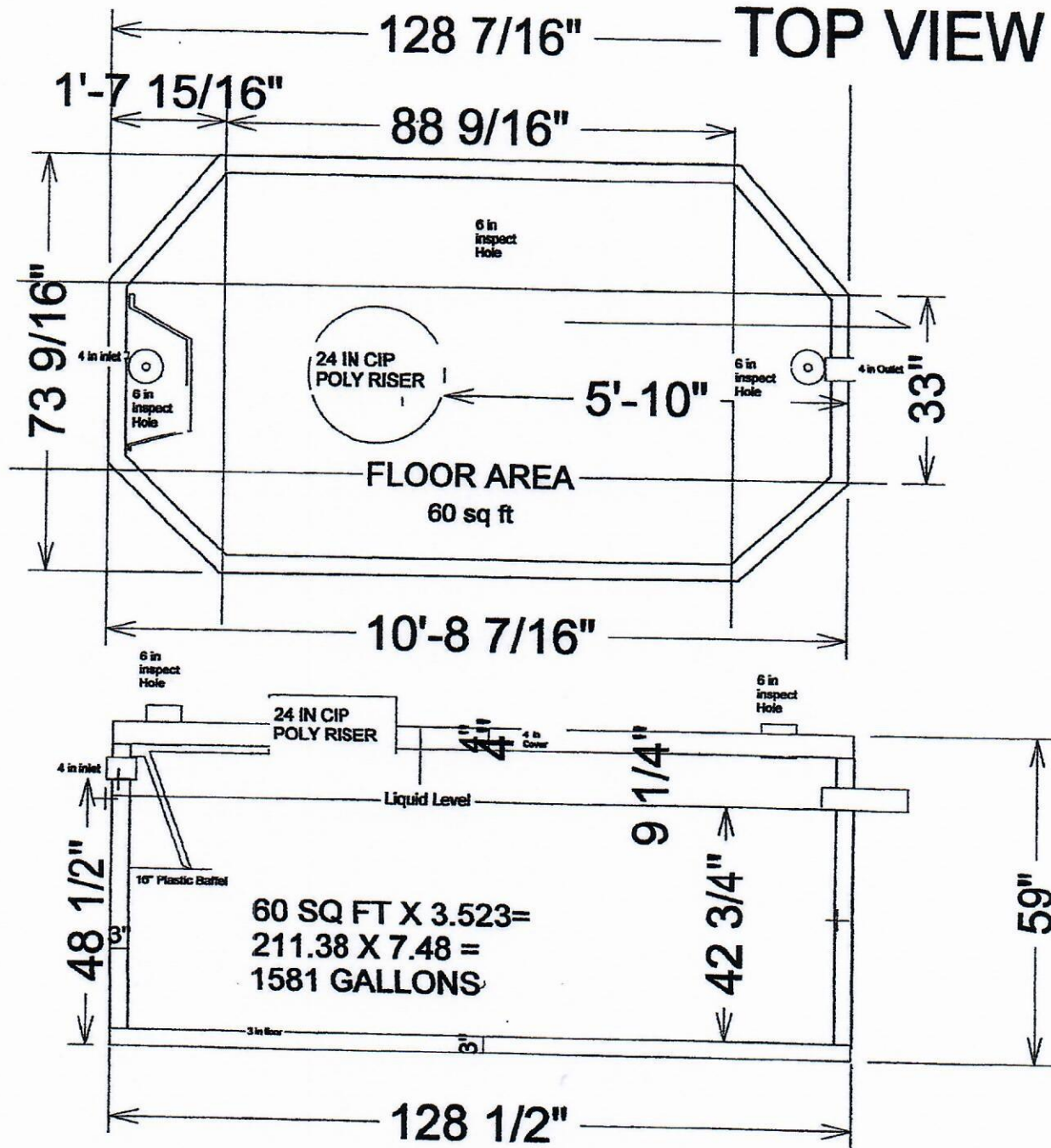
- 50 ft. from well
- 10 ft. from lot line
- 10 ft. from road easement
- 10 ft. from structure.
- 75 ft Big Sandy Lake setback.

( Recommendations for holding tanks)  
Electric Alarm in or near house  
Insulate tank top  
Water proof outside if installed in water if available  
Raise manholes 6" or more above finished grade for winter access  
Add extra soil on top of tanks for ballast

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: 10/7/2024

# 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# 39-0-003100

Permit# \_\_\_\_\_ Address 22239 512th Ln. McGregor MN 55760

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

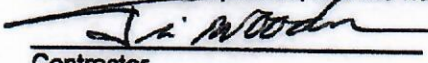
2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- 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 10/7/2024

Date \_\_\_\_\_

Timber Lakes Septic Service (218) 927-6175

1037 1st St. NW Aitkin MN 56431

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

Timber Lake Septic Service (218) 927-6175

Steven Field

21973 795th Ave.

Albert Lea MN 56007

507-383-9313



# Detailed Parcel Report

Parcel Number: 39-0-003100

## General Information

Township/City: WORKMAN TWP  
 Taxpayer Name: FIELD, STEVEN D & JENNIFER L  
 Taxpayer Address: 21973 795TH AVE  
 ALBERT LEA MN 56007  
 Property Address: 22239 512th Ln  
 Township: 49 Lake Number: 1006200  
 Range: 24 Lake Name: BIG SANDY LAKE  
 Section: 1 Estimated Acres: 0.60  
 Green Acres: No School District: 4.00  
 Plat:  
 Brief Legal Description: PT LOT 9 IN DOC 461586

## Tax Information

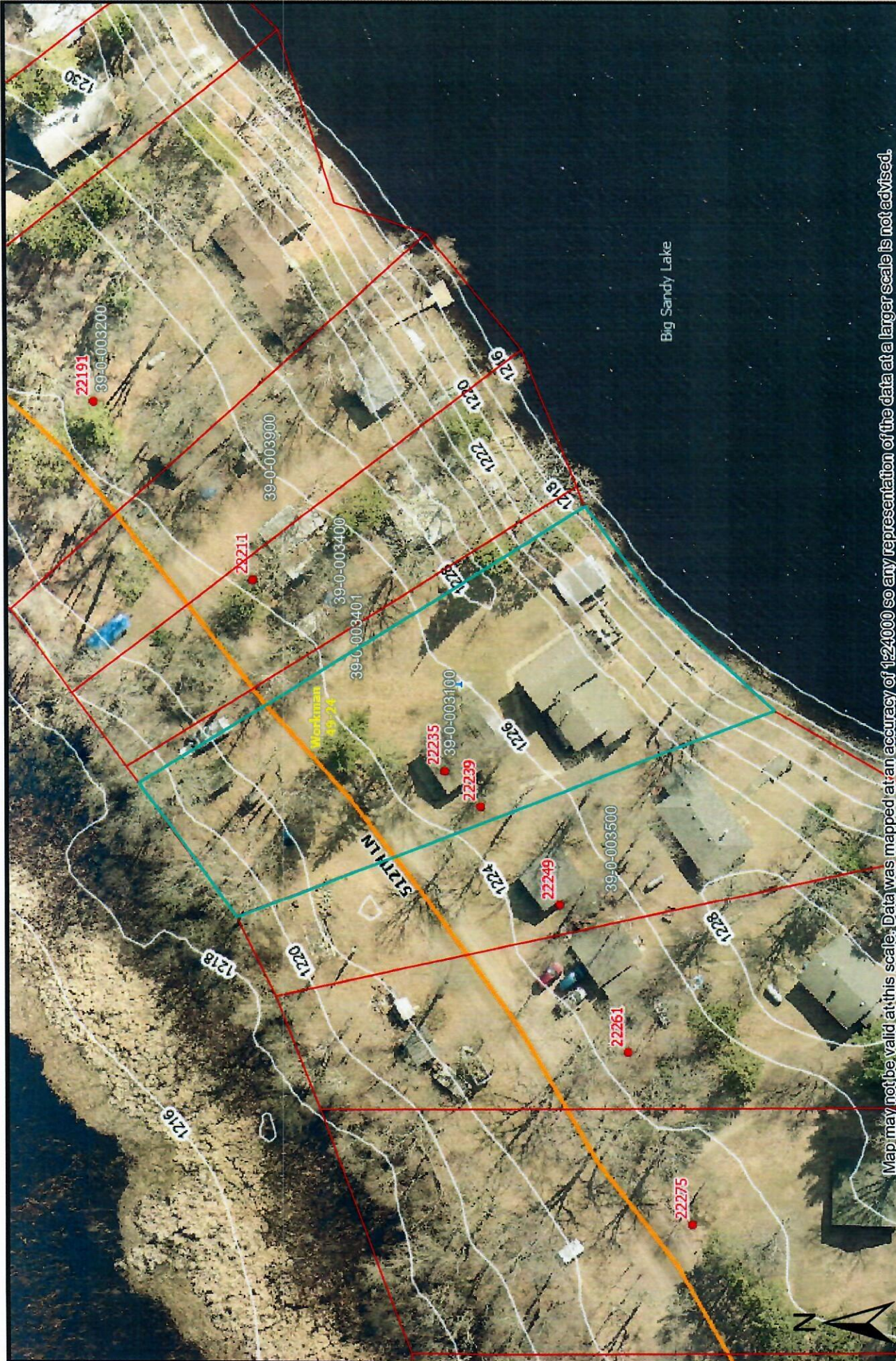
OHW 1216.56'

Class Code 1: Non-Comm Seasonal Residential Recreational 100 yr Flood Elev.= 1223.9'  
 Class Code 2: Unclassified  
 Class Code 3: Unclassified  
 Homestead: Non Homestead  
 Assessment Year: 2024

Estimated Land Value:	\$245,300.00
Estimated Building Value:	\$242,800.00
Estimated Total Value:	<u>\$488,100.00</u>
Prior Year Total Taxable Value:	\$534,900.00
Current Year Net Tax (Specials Not Included):	\$3,223.52
Total Special Assessments:	\$20.48
**Current Year Balance Not Including Penalty:	\$1,622.00
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.**



Map may not be valid at this scale. Data was mapped at an accuracy of 1:24000 so any representation of the data at a larger scale is not advised.

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.

Field



Web App Builder for ArcGIS

1:1,128 0 0.01 0.01 mi 1:1,128

Date: 10/2/2024



Minnesota  
Department of  
Health

# Minnesota Well Index

General Information							
Unique Well ID:	<b>628356</b>	Well Name:	<b>FARAH, DICK</b>	County:	<b>Aitkin</b>	Aquifer:	<b>Quat. buried artes. aquifer</b>
Well Elevation (msl in feet):	<b>1226</b>	Drilled Depth (ft):	<b>57</b>	Well Completed (ft):	<b>57</b>	Date Drilled:	<b>03/19/1999</b>
Township:	<b>49</b>	Range:	<b>24</b>	Dir:	<b>W</b>	Section:	<b>1</b>
Subsection:	<b>DACBCD</b>	Use:	<b>domestic</b>	Well Status:	<b>Active</b>	Depth To Bedrock:	
Driller:	<b>Bill's Well Drilling, Inc.</b>	Entry Date:	<b>06/30/1999</b>	Update Date:	<b>12/04/2017</b>		

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

<b>More Details</b>	<b>Stratigraphy</b>	<b>Address</b>	<b>Chemical Data</b>	<b>Construction</b>	<b>Pump Test</b>	<b>Static Water</b>	<b>Comments</b>
<b>Location Changes</b>	<b>Overview Map</b>						

Description	From(ft)	To(ft)	Color	Hardness	Lith Primary	Lith Secondary	Interpretation
TOP SOIL	0	3	BLACK	SOFT	SOIL		Recent deposit-black
CLAY, SAND	3	32	BROWN	MEDIUM	CLAY		clay+sand-brown
SAND, ROCK	32	53	GRAY	SOFT	SAND		sand +larger-gray
AQUIFER	53	57	GRAY	SOFT	DRFT		Quat. deposit-gray