

Aitkin County Holding Tank Design

Property Owner: Robert Theiler Date: 9/5/2023 Cell: 612-308-8537
Mailing Address: 10387 Elm Ln. Home Phone #: _____
City: Rogers State: MN Zip: 55374
Site Address: 29886 394th Pl. Parcel Number: 24-1-096200
City: Aitkin State: MN Zip: 56431
Driving Directions if no address issued : _____

Legal Description : Lot 4 Tower Hill
Sec : 30 Twp.: 46 Range : 26 Twp. Name : Nordland
Lake / River : Lone Lake / River Classification : RD

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:

Reuse Existing Tank is a 1350 2/Compartment Tank Use as a holding tank install a 2nd 1500 gal Holding tank
Lot is too small for a type I septic system

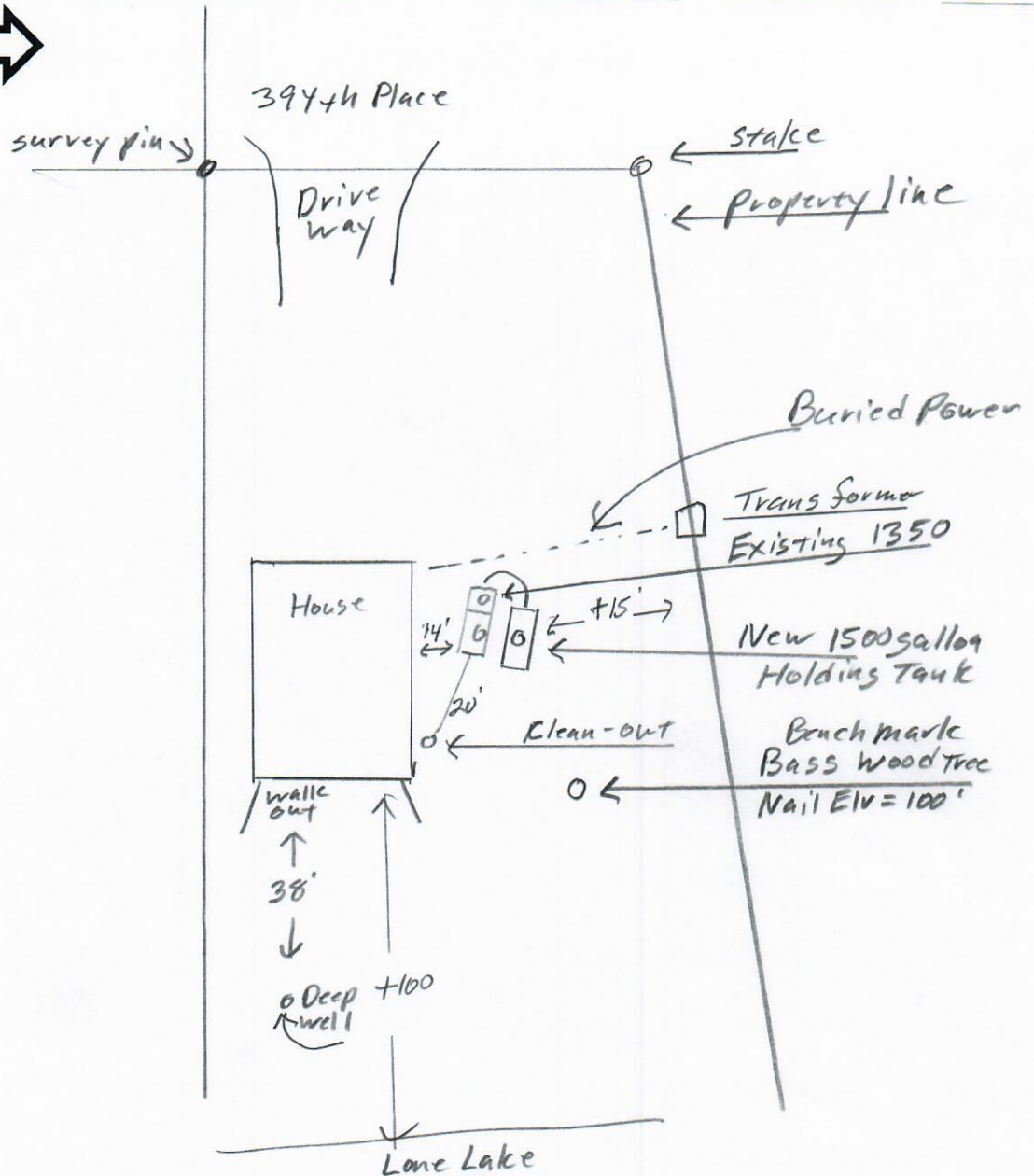
Designer Name : Jeff Brummer License Number : L-1347
Address : 14650 Agate Ridge Road City : Brainerd State : MN
Zip Code : 56401 Home Phone # : _____ Cell: 218-821-0704
E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 9/5/2023
Page: 1 Of _____

Aitkin County { Holding Tank Design }

Property Owner: Robert Theiler Date: 9/5/23 Designer's Initials: JB
 One Inch = 40 ft.

North



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 Basswood tree East of Tanks
Existing 1350 tank grade Elv.= 99.6'	Grade at Clean-out near house Elv. = 99.4'
Existing 1350 tank outlet Elv.= 96.5'	Existing 1350 tank 2nd manhole cover Elv.= 100'
New 1500 gal Holding Tank Grade Elv.= 99.1'	Deep Well Top of Cap Elv. = 95.2' Well Grade Elv.= 94.3'
New 1500 gal Holding Tank Inlet Elv.= 96.2'	Walk-out Elv.= 95.9' Front of House Grade Elv.= 105'
	Approx. Lone lake Elv.= 78'

Aitkin County { Design Notes }

Property Owner: Robert Theiler Date: 9/5/2023 Designer's Initials : JB
29886 394th Pl. Aitkin MN 56431 Pin : 24-1-096200

Existing House has Non-Compliant septic system (failing soil separation).
Lot is too small for Type I system. Will install type II system Holding Tanks.
Existing House will have a 2 holding tank system (Existing 1350 2/Compartment and new 1500 gal. tank).
Abandon existing trenches in-place, Reuse existing 1350 tank (Tank cert 9/5/2023 by Timber Lakes)
1st choice is a 1500 gal concrete tank. 2nd choice is 1500 gal poly tank.
Install 1500 holding tank to be used as 2nd holding tank.
Install with serial gravity flow from 1st tank.
Raise at least one manhole per compartment, (recommend raising 4" above finished grade).
Install electric alarm in last tank at 60% of tanks capacity.
this will leave approx. 600 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 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 lone Lake setback.

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

Designer Name : Jeff Brummer License Number : L-1347

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

E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 9/5/2023

HOLDING TANK PUMPING SERVICE AGREEMENT PID# 24-1-096200

Permit# _____ Address 29886 394th Pl. Aitkin MN 56431

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

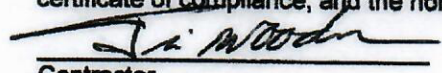
2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- 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
Date 9/5/2023

Homeowner
Date _____

Timber Lakes Septic Service (218) 927-6175
1037 1st St. NW Aitkin MN 56431
P:IPZSHARE\Forms\Pumping Agreement.DOC\Pumping Agreement

Robert Theiler
612-308-8537

Timber Lake Septic Service (218) 927-6175

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

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

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

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

Owner information

Owner/Representative Brummer, Jeff - Rep
 Property address: 29886 394th Pl, Aitkin, MN 56431
 Local Regulatory Authority: Aitkin County Parcel ID: 24-1-096200

System status

System status on date (mm/dd/yyyy): 9/5/2023

Certificate of sewage tank compliance

Notice of sewage tank non-compliance

Compliance criteria:

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "Imminent Threat to Public Health or Safety."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

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

Company information

Company name: Timber Lakes Septic Service Inc
 Business license number: L455

Designated Certified Individual (DCI) information

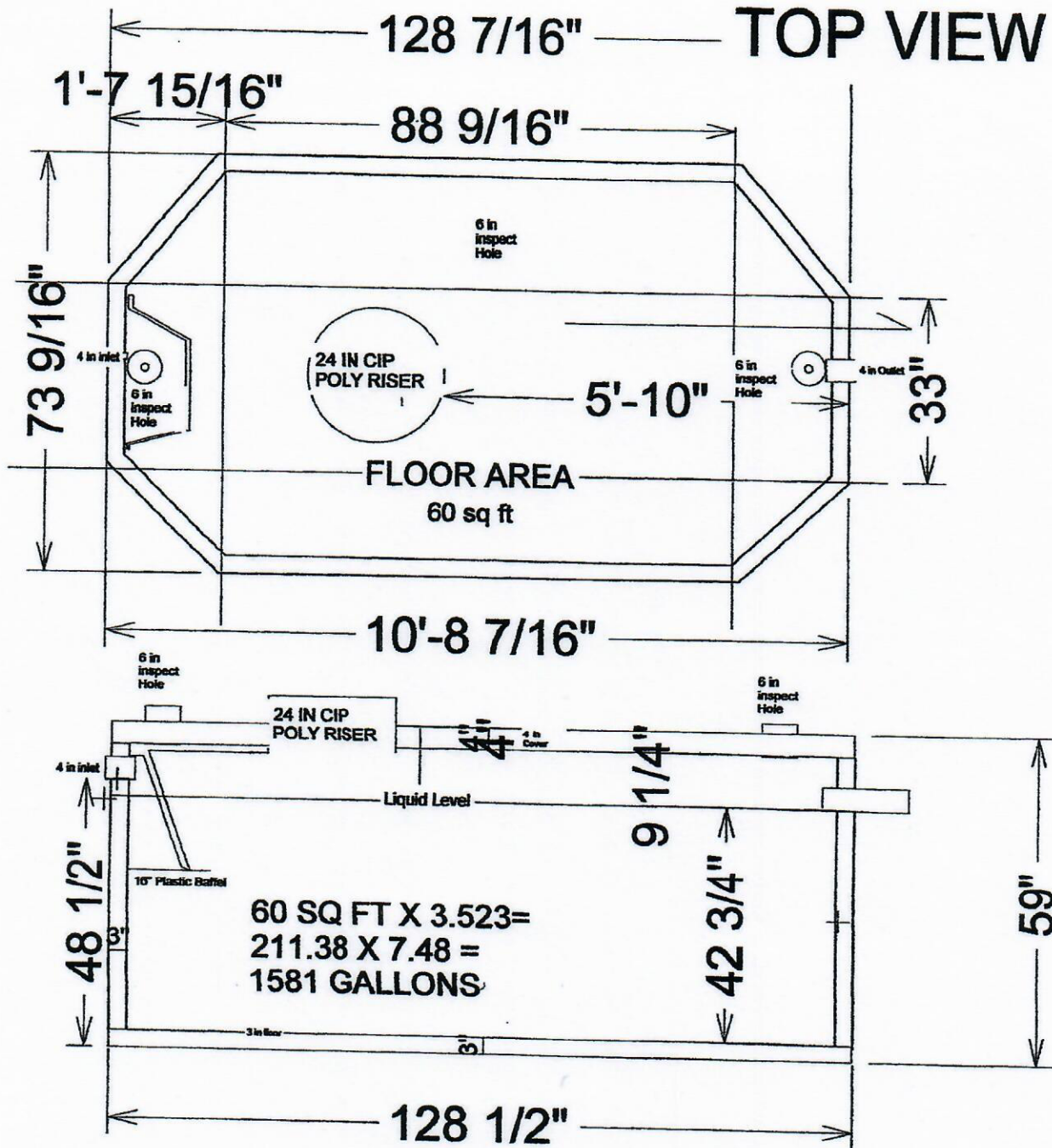
Print name: Dan Swanson
 Certification number: C6023

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

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

Designated Certified Individual's signature: Dan Swanson Date (mm/dd/yyyy): 9/5/2023
(This document has been electronically signed.)

1500H Holding Tank



35.08 gallons per. inch

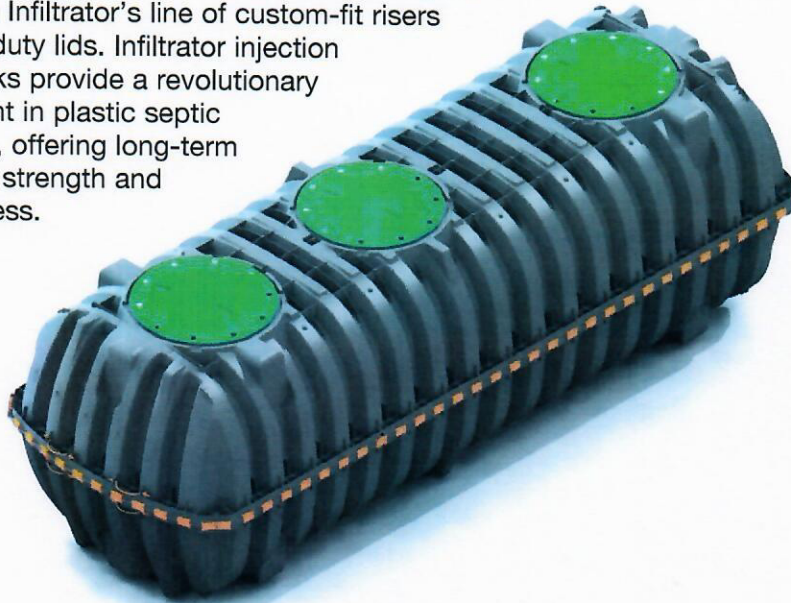
SIDE VIEW

Drawings Owned BY Jacobson Precast, LLC

36641 HWY 169, Aitkin, Mn 56431

Do not copy drawings without permission of the Owner

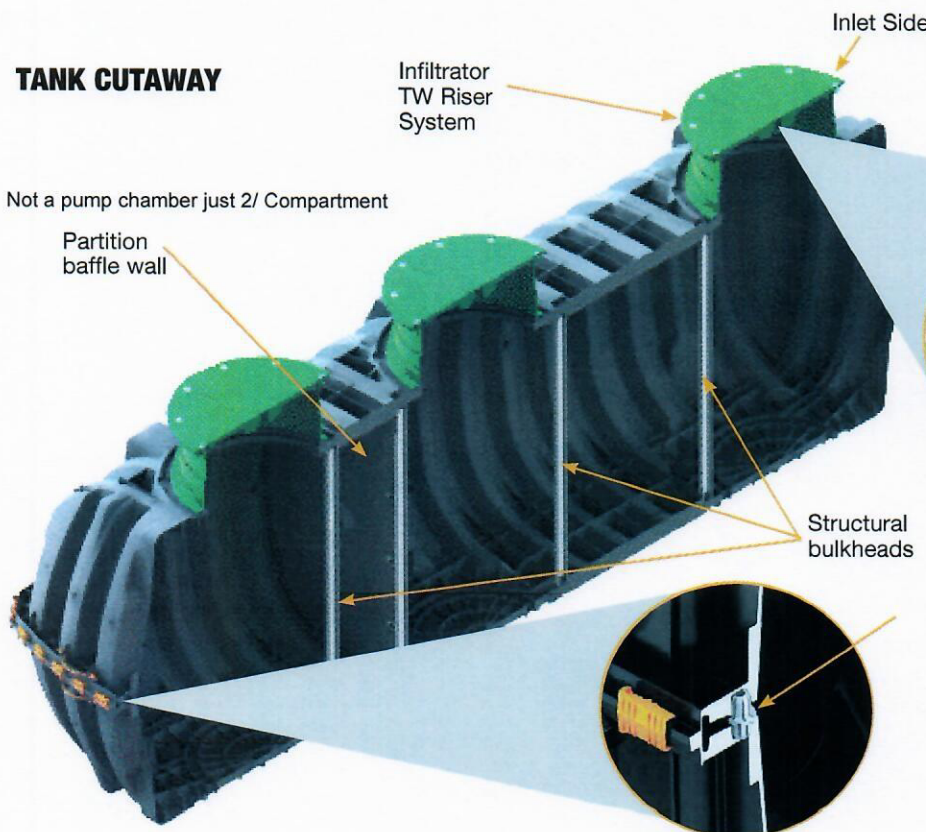
The Infiltrator IM-1530 is a lightweight strong and durable septic tank. This watertight tank design is offered with Infiltrator's line of custom-fit risers and heavy-duty lids. Infiltrator injection molded tanks provide a revolutionary improvement in plastic septic tank design, offering long-term exceptional strength and watertightness.



Features & Benefits

- Strong injection molded polypropylene construction
- Lightweight plastic construction and inboard lifting lugs allow for easy delivery and handling
- Integral heavy-duty green lids that interconnect with TW™ risers and pipe riser solutions
- Structurally reinforced access ports eliminate distortion during installation and pump-outs
- Reinforced structural ribbing and fiberglass bulkheads offer additional strength
- Can be installed with 6" to 48" of cover
- Can be pumped dry during pump-outs
- Suitable for use as a septic tank, pump tank, or rainwater (non-potable) tank
- No special installation, backfill or water filling procedures are required

TANK CUTAWAY



Not a pump chamber just 2/ Compartment

HEAVY DUTY LID CUTAWAY

Reinforced 24" structural access port

AM CUTAWAY

ed water tight mid-seam
d connection



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.

Theller



Date: 8/7/2023

Web AppBuilder for ArcGIS

1 inch = 47 feet

0 0.003 0.006 m

1:564



Detailed Parcel Report

Parcel Number: 24-1-096200

General Information

Township/City:	NORDLAND TWP		
Taxpayer Name:	THEILER, ROBERT J & NANCY C		
Taxpayer Address:	10387 ELM LN		
	ROGERS MN 55374		
Property Address:	29886 394th PI		
Township:	46	Lake Number:	1012500
Range:	26	Lake Name:	LONE LAKE
Section:	30	Acres:	0.00
Green Acres:	No	School District:	1.00
Plat:	TOWER HILL		
Brief Legal Description:	LOT 4		

Tax Information

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

Estimated Land Value:	\$236,600.00
Estimated Building Value:	\$140,000.00
Estimated Total Value:	<u>\$376,600.00</u>
Prior Year Total Taxable Value:	\$296,400.00
Current Year Net Tax (Specials Not Included):	\$1,798.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$0.00
Delinquent Taxes:	No

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

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