

Aitkin County Holding Tank Design

Property Owner: Jeffrey Munzel Date: 7/5/2023 Cell: 612-803-2899
 Mailing Address: 13971 Berkshire Lane. N. Home Phone # : _____
 City: Dayton State: MN Zip: 55327
 Site Address : 27930 453rd Pl. Parcel Number: 11-0-021600
 City: Aitkin State: MN Zip: 56431
 Driving Directions if no address issued : _____

Legal Description : In Doc 269591
 Sec : 6 Twp.: 45 Range : 27 Twp. Name : Hazelton
 Lake / River : Farm Island 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 : +30' Drainfield to House : NA Air Test NO
 Tank(s) to Property Line : +10' Drainfield to Property Line : NA


Additional System Notes and Information:

Existing tanks to be pumped, collapsed, filled or removed. Existing mound to be abandon in-place.
 Lot is too small for a type I septic system, soils are type III
 Install 2 1600 Heavy Wippler tanks.
 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

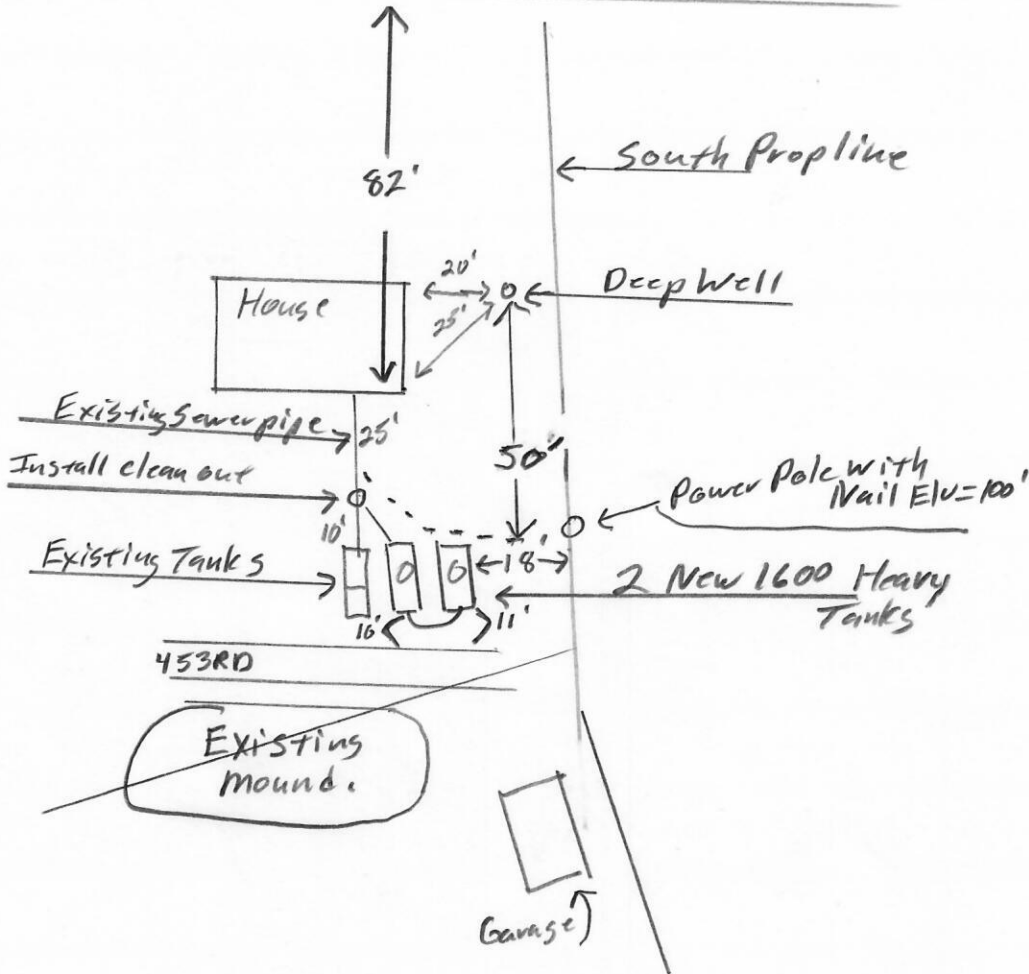
Designer Signature :  Date: 7/5/2023
 Page: 1 Of _____

Aitkin County { Holding Tank Design }

Property Owner: Jeffrey Munzel Date: 7/5/23 Designer's Initials: JB

One Inch = 40 ft.

 North

Farm Island lake



Farm Island Lake OHW Elv.= 1255.5' or 95.5'

Farm Island Lake 100 Yr Elv.= 1257.5 or 97.5'

Farm Island Elv. = 95.5' or 1255.5' on 6/29/2023

Shore Elv.= 96.2'

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

Existing tank grade Elv.= 98.8'

Existing Grade at SW corner of house Elv. = 98.8'

Existing tank inlet Elv.= 96.7'

Top of Deep Well Cap Elv.= 100'

New 1st Tank Grade Elv.= 98.5'

New 2nd Tank Grade Elv.= 98.3'

Approx. 1st tank In-Let Elv.= 96.6'

Approx. 2nd Tank In-Let Elv.= 96.1'

Aitkin County { Design Notes }

Property Owner: Jeffrey Munzel
27930 453rd Pl. Aitkin Mn 56431

Date: 7/5/2023

Designer's Initials : JB

Pin : 11-0-021600

Existing House will have 2 holding tank system (2 Wippler 1600 gal. Heavy Tanks 2/ Compartment each) .
Existing mound is failing soil separation, abandon mound in-place.
Existing septic/pump tank to be pumped, collapsed, filled or removed.
Lot is too small for Type I system. Soils are Type III.
Existing deep well will be + 50' from tanks. (approx. 51 feet)
Install two Wippler 1600 gal. 2/Compartment Heavy tanks to be used as holding tanks.
Wippler Heavy tanks have extra concrete in the floor shouldn't float.
Install with serial gravity flow from 1st tank to 2nd tank.
Raise at least one manhole per compartment, (recommend manhole that splits both compartments if possible).
Install electric alarm in last compartment at 20% of tanks capacity, approx. 6 inches
this will leave approx. 480 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 Farm Island 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 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: 7/5/2023

HOLDING TANK PUMPING SERVICE AGREEMENT PID# 11-0-021600

Permit# _____ Address 27930 453rd 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 Jeffrey Munzel 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.

Jim Wood
Contractor

Date 7/5/2023

Homeowner

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

Jeffrey Munzel

612-803-2899

13971 Berkshire Ln. N.

Dayton MN 55327

2022 PRICE LIST
WIPPLER PRECAST
 PO Box 93 Pine River, MN 56474

Cell: 218-820-8598

Prices Subject to Change
 Delivery Charge After 60 Miles - \$5.00/Mile (Loaded)

85 GAL GRINDER / P	(2 GPI)	X\$485
500 GAL P	(11.9 GPI)	X\$885
650 GAL P	(15.5 GPI)	X\$1,065
1000 GAL SS, H, P	(23.9 GPI)	X\$1,380
1500 GAL SS, H, P	(37.6 GPI)	X\$1,525
2250 GAL SS, H, P	(56.7 GPI)	X\$2,450
3198 GAL SS, H, P (3198 GAL)	(56.7 GPI)	X\$2,520
1500 GAL 2 CP or 2 CG	(24.1 / 12 GPI)	X\$1,550
1650 GAL 2 CP or 2 CG	(24.1 / 15.6 GPI)	X\$1,615
2250 GAL 2 CP or 2 CG	(37.6 / 17.8 GPI)	X\$2,020
2250 GAL 3 CP	(37.6 / 17.8 GPI)	X\$2,055
600 GAL LO-PROFILE PUMP	(20 GPI)	X\$1,300
1000 GAL LO-PROFILE	(33.3 GPI)	X\$1,530
1600 2cP or 2cPG LO-PRO Heavy Tank	(33.3 / 20 GPI)	X\$2,000

ACCESSORIES:

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

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

TANK DIMENSIONS

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

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

3198 GALLON - INLET 64" & LIQUID LEVEL 58"

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

S = SINGLE COMPARTMENT

SP-PUMP SS-SINGLE SEPTIC SH-HOLDING

CP - COMPARTMENT PUMP CG - COMPARTMENT GRAVITY

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

HEIGHT IS FROM BOTTOM OF TANK TO TOP OF MANHOLE COVER



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.

Munzel



Date: 7/6/2023

1:564 0 0.003 0.006 mi 1 inch = 47 feet

Web App Builder for ArcGIS



Detailed Parcel Report

Parcel Number: 11-0-021600

General Information

Township/City: HAZELTON TWP
 Taxpayer Name: MUNZEL, JEFFREY A & VICTORIA
 Taxpayer Address: 13971 BERKSHIRE LANE
 DAYTON MN 55327
 Property Address: 27930 453rd Pl
 Township: 45 Lake Number: 1015900
 Range: 27 Lake Name: FARM ISLAND LAKE
 Section: 6 Acres: 0.24
 Green Acres: No School District: 1.00
 Plat:
 Brief Legal Description: .24 AC MORE OR LESS IN LOT 1 IN DOC 269591

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:	\$316,500.00
Estimated Building Value:	\$140,200.00
Estimated Total Value:	<u>\$456,700.00</u>
Prior Year Total Taxable Value:	\$363,300.00
Current Year Net Tax (Specials Not Included):	\$2,144.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$1,072.00
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.