

Aitkin County Holding Tank Design

Property Owner: Chet Kieselhorst Date: 8/17/2022 Cell: _____

Mailing Address: 30674 455th Pl. Home Phone #: _____

City: Aitkin State: MN Zip: 56431

Site Address: 30674 455th Pl. Parcel Number: 07-1-107301

City: Aitkin State: MN Zip: 56431

Driving Directions if no address issued : _____

Legal Description : Lot 3 Less 10 ft. Townline Shores

Sec: 19 Twp.: 46 Range: 27 Twp. Name: Farm Island

Lake / River : Thornton Lake / River Classification : RD

City: Aitkin

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 : Proposed Deep

Shallow Well : Existing Shallow

Wells to be sealed (if Applicable) ? Existing Shallow

SETBACKS

Tank(s) to Well : + 70' Drainfield to Well : NA Sewer Line to Well : _____

Tank(s) to House : 15' Drainfield to House : NA Air Test NO

Tank(s) to Property Line : +10' Drainfield to Property Line : NA

Additional System Notes and Information: _____

Type III soils, & fill Soils

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: 8/17/2022

Page: 1 Of _____

Aitkin County { Design Notes }

Property Owner: Chet Kieselhorst Date: 8/17/2022 Designer's Initials : JB
30674 455th Pl. Aitkin MN Pin : 07-1-107301

Proposed House will have 2 holding tank system, two- 1500 gal. holding tanks in series. .
Lot is too small for Type I system. Proposed deep well will be + 50' from tanks.

Install 1500 Jacobson septic tanks to be used as holding tank. (Future may use as septic tanks.)

Raise at least one manhole per compartment, (recommend raising 6" above finished grade for access).

Install electric alarm in last compartment at 50% of tanks capacity,
this will leave approx. 750 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

this will leave 10 ft. from structure.

75 ft Thornton Lake setback.

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

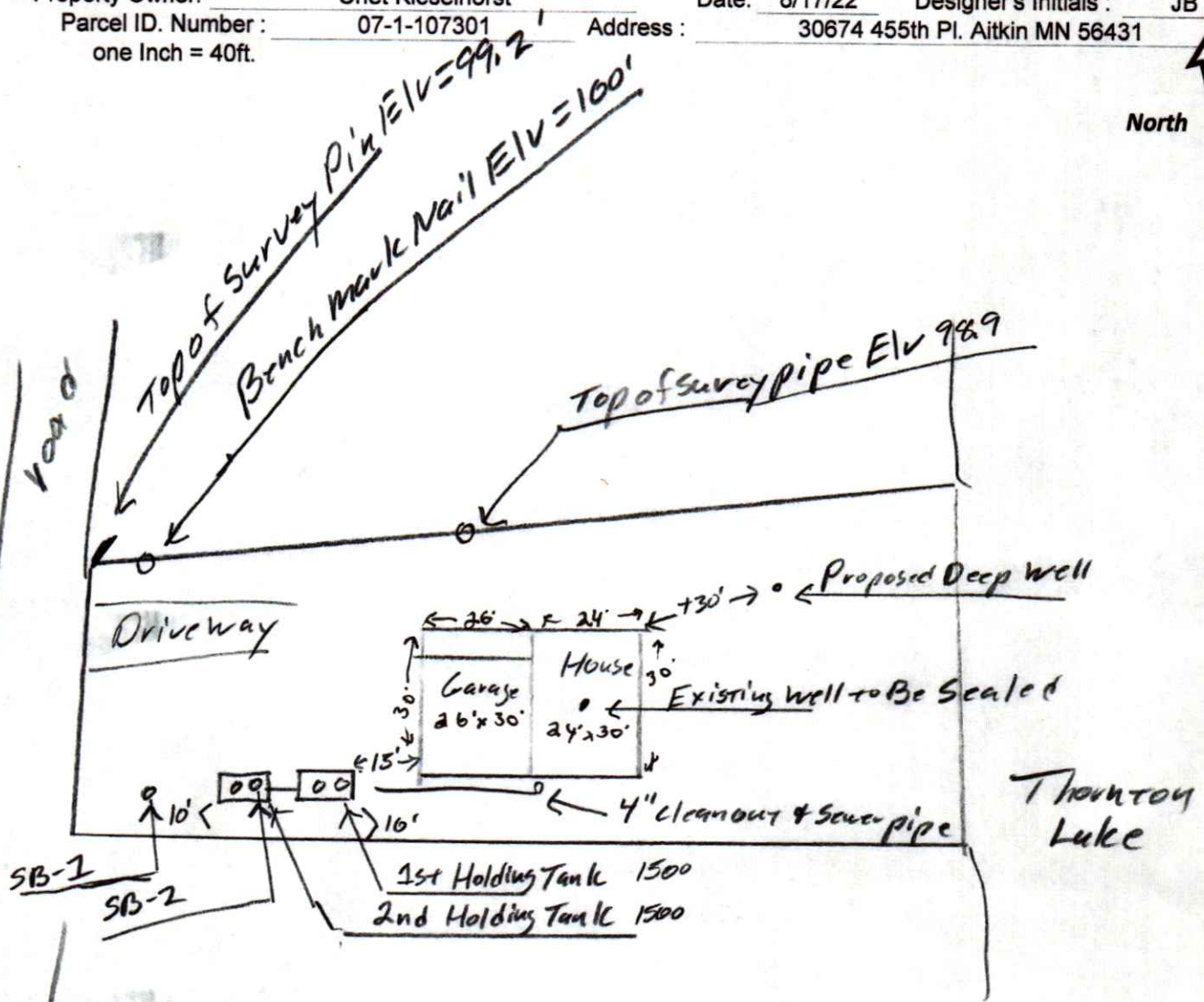
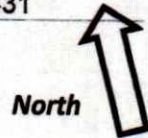
Zip Code : 56401 Home Phone # : _____ Cell: 218-821-0704

E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 8/17/2022

{ Design Drawing }

Property Owner: Chet Kieselhorst Date: 8/17/22 Designer's Initials: JB
 Parcel ID. Number: 07-1-107301 Address: 30674 455th Pl. Aitkin MN 56431
 one Inch = 40ft.



Top of Survey pipe Mid Lot North lot line Elv. = 98.9'
 Top of Survey pipe NW lot Corner Elv. = 99.2'
 Estimated Grade of house pad Elv. = 99'

Lake Elevation 8/16/2022 Elv. = 87.5'

	Surface/ SHWT	Nail on Power pole = Bench Mark 100'		Existing Grade
Soil Bore 1	98.4' / 9"	Bench Mark	100'	1st tank Grade Elv. = 98.1' Inlet 96.6'
Soil Bore 2	98.5' / 10"	Ground Elv. BM	99.4'	2nd Tank Grade Elv. = 98.6' inlet 96.1'
Soil Bore 3				
Existing Grade west end of Proposed house		98'		Estimated Sewer pipe at House Elv. = 97.1'

Please show all that apply (Existing)

Please Draw to Scale with North to Top or Left Side of Page:

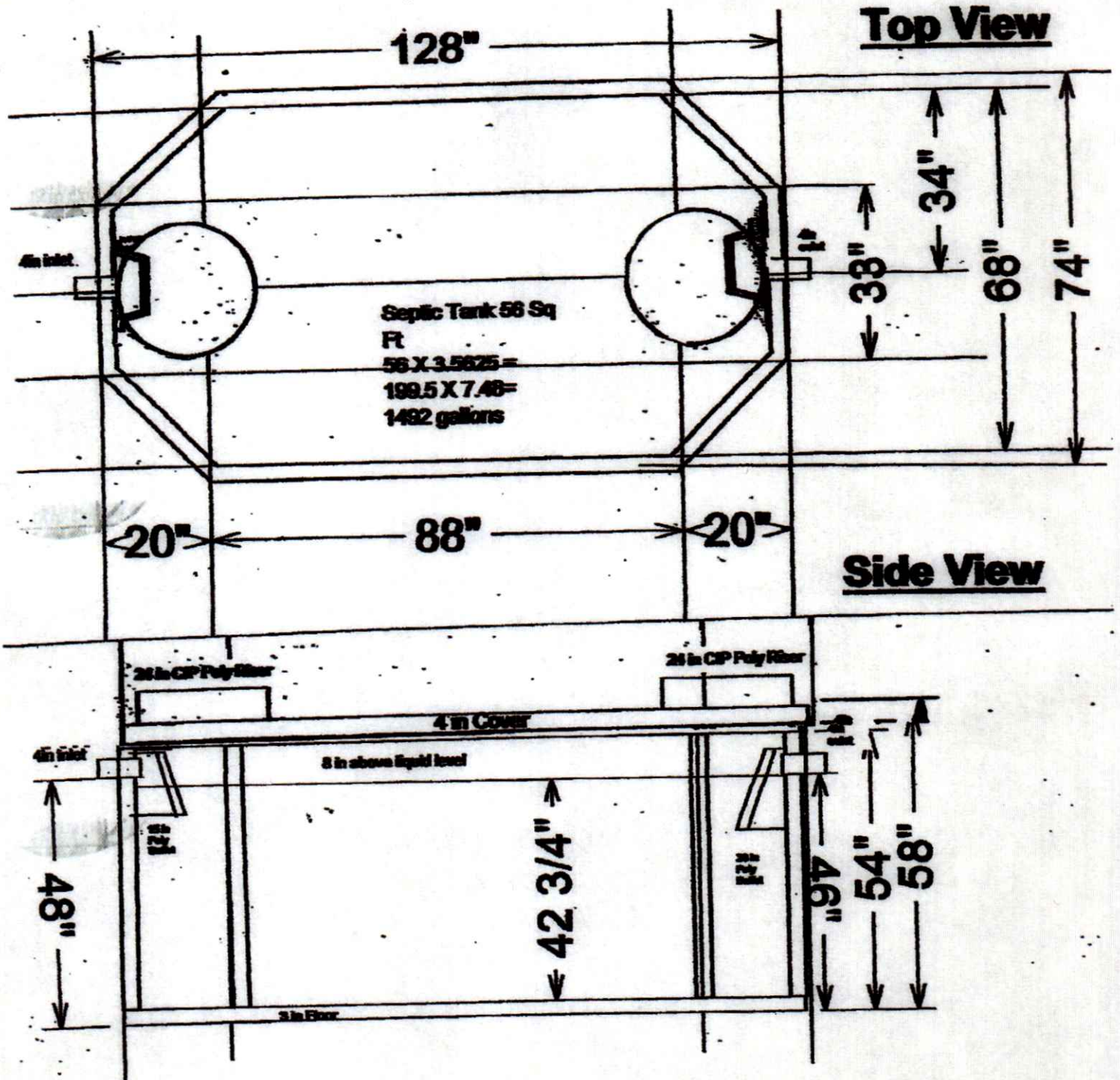
- Wells within 100ft. Of Drain field.
- Water lines within 10 ft. of Drain field.
- Drain field Areas:

- Disturbed/Compacted Areas
- Component Location
- OHW ordinary high water
- Lot Easements

- Access Route for Tank Maintenance
- Property Lines
- Structures
- Setbacks

1500 GALLON SINGLE COMPARTMENT SEPTIC TANK

Weight = 9500 #



DRAWINGS OWNED BY JACOBSON PRECAST, INC.
 38841 HWY 169, AITKIN, MN 56431
 Do not copy drawings without permission of the owner

34.90 GPI

HOLDING TANK PUMPING SERVICE AGREEMENT

Permit # _____ Address 30674 455th 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 Chet Kieselhorst 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.

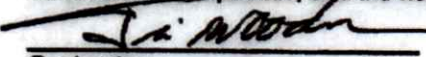
2. **FREQUENCY OF PUMPING.** Homeowner agrees that he/she shall not allow the holding tank to overflow or discharge in any manner. Contractor and Homeowner agree that the holding tank shall be pumped in accordance with the following:

- 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 8/17/2022

Homeowner
Date _____

Timber Lakes Septic Service (218) 927-6175

Chet Kieselhorst

1037 1st St. NW Aitkin MN 56431
P:\PZSHARE\Fornal\Pumping Agreements.DOC\Pumping Agreement

Timber Lake Septic Service (218) 927-6175

Soil Observation Log

www.SepticResource.com vers 12.4

Owner Information	
Property Owner / project: <u>Chet Kieselhorst</u>	Date <u>8/17/2022</u>
Property Address / PID: <u>30674 455th Pl. Aitkin MN 56431</u>	

Soil Survey Information	
<input type="checkbox"/> refer to attached soil survey	
Parent mat'l's:	<input 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 checked="" type="checkbox"/> Side slope <input type="checkbox"/> Toe slope
soil survey map units:	<u>928D</u> slope <u>0</u> % direction- <u>south</u>

Soil Log #1							
		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>98.4'</u>	Depth to SHWT <u>9"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 4	Loam	<35	10YR3/2		Loose	Loose	Granular
4 - 9	Loam	<35	10YR4/3		Friable	Weak	Blocky
9 - 14	Silt Loam	<35	10YR5/3	7.5YR5/6	Friable	Weak	Blocky

Comments:

30674 455th Pl. Aitkin MN 56431

Soil Log #2

		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>98.5'</u>	Depth to SHWT <u>10"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 4	Fill Gravel	<35	10YR4/4		Loose	Loose	Granular
4 - 7	Topsoil	<35	10YR3/2		Loose	Loose	Granular
7 - 10	Silt Loam	<35	10YR5/3		Friable	Weak	Blocky
10 - 14	Silt Loam	<35	10YR5/3	7.5YR5/6	Friable	Weak	Blocky

30674 455th Pl. Aitkin MN 56431

Soil Log #3

		<input type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation _____	Depth to SHWT _____		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

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

Designers Signature 

Brummer Septic LLC.
Company

L-1347
License #



Detailed Parcel Report

Parcel Number: 07-1-107301

General Information

Township/City: FARM ISLAND TWP
Taxpayer Name: KIESELHORST, CHET
Taxpayer Address: 11266 PINE BEACH PENINSULA
BRAINERD MN 56401
Property Address: 30674 455th Pl
Township: 46 **Lake Number:** 1017400
Range: 27 **Lake Name:** THORNTON LAKE *RD*
Section: 19 **Acres:** 0.00
Green Acres: No **School District:** 1.00
Plat: TOWNLINE SHORES
Brief Legal Description: LOT 3 LESS S 10 FT

Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Non Homestead
Assessment Year: 2022

Estimated Land Value:	\$100,800.00
Estimated Building Value:	\$300.00
Estimated Total Value:	<u>\$101,100.00</u>
Prior Year Total Taxable Value:	\$77,600.00
Current Year Net Tax (Specials Not Included):	\$532.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$266.00
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.

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THE STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the within and foregoing plat of the Townline Shores Golf Course, as shown on the plat hereto attached, is a true and correct copy of the original plat of the same, as the same was approved by the Board of Supervisors of the County of Aitkin, Minnesota, on the 10th day of August, 1927, and that the same was duly recorded in the Office of the County Recorder of Aitkin County, Minnesota, on the 10th day of August, 1927, in Book 10, Page 107.

All of said lots are of the same size, to-wit: 36.00 acres (360,000 sq. ft.) and are situated in the Township of North Shore, Range 13 North, and Range 13 West, of the County of Aitkin, State of Minnesota. The lots are situated on the west side of the Townline Shores Golf Course, and are bounded on the north by the Townline Shores Golf Course, on the east by the Townline Shores Golf Course, on the south by the Townline Shores Golf Course, and on the west by the Townline Shores Golf Course.

AND I further depose and say that the within and foregoing plat of the Townline Shores Golf Course, as shown on the plat hereto attached, is a true and correct copy of the original plat of the same, as the same was approved by the Board of Supervisors of the County of Aitkin, Minnesota, on the 10th day of August, 1927, and that the same was duly recorded in the Office of the County Recorder of Aitkin County, Minnesota, on the 10th day of August, 1927, in Book 10, Page 107.

Subscribed and sworn to before me this 10th day of August, 1927.

Notary Public for Minnesota,
 J. J. [Signature]
 My Comm. Expires [Date]

STATE OF MINNESOTA, County of Aitkin, ss. I, the undersigned, being duly sworn, depose and say that the within and foregoing plat of the Townline Shores Golf Course, as shown on the plat hereto attached, is a true and correct copy of the original plat of the same, as the same was approved by the Board of Supervisors of the County of Aitkin, Minnesota, on the 10th day of August, 1927, and that the same was duly recorded in the Office of the County Recorder of Aitkin County, Minnesota, on the 10th day of August, 1927, in Book 10, Page 107.

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