

Aitkin County Holding Tank Design ~~Book~~

Property Owner: Jason Michael Date: 10/14/2020 Cell: 612-414-8013

Mailing Address: 13558 Superior Dr. Home Phone #: _____

City: Rogers State: MN Zip: 55374

Site Address: 29236 412th Pl. Parcel Number: 07-1-096700

City: Aitkin State: MN Zip: 56431

Driving Directions if no address issued : _____

Legal Description : Lot 4 Alfreds Beach

Sec: 26 Twp.: 46 Range: 27 Twp. Name: Farm Island

Lake / River : Spirit Lake 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 : Proposed 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 is a 1650 2/Compartment Tank Installed summer of 2020

Lot is too small for a type I septic system

Designer Name : Jeff Brummer License Number : L-1347

Address : 7450 Burr Ln. City : Brainerd State : MN

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

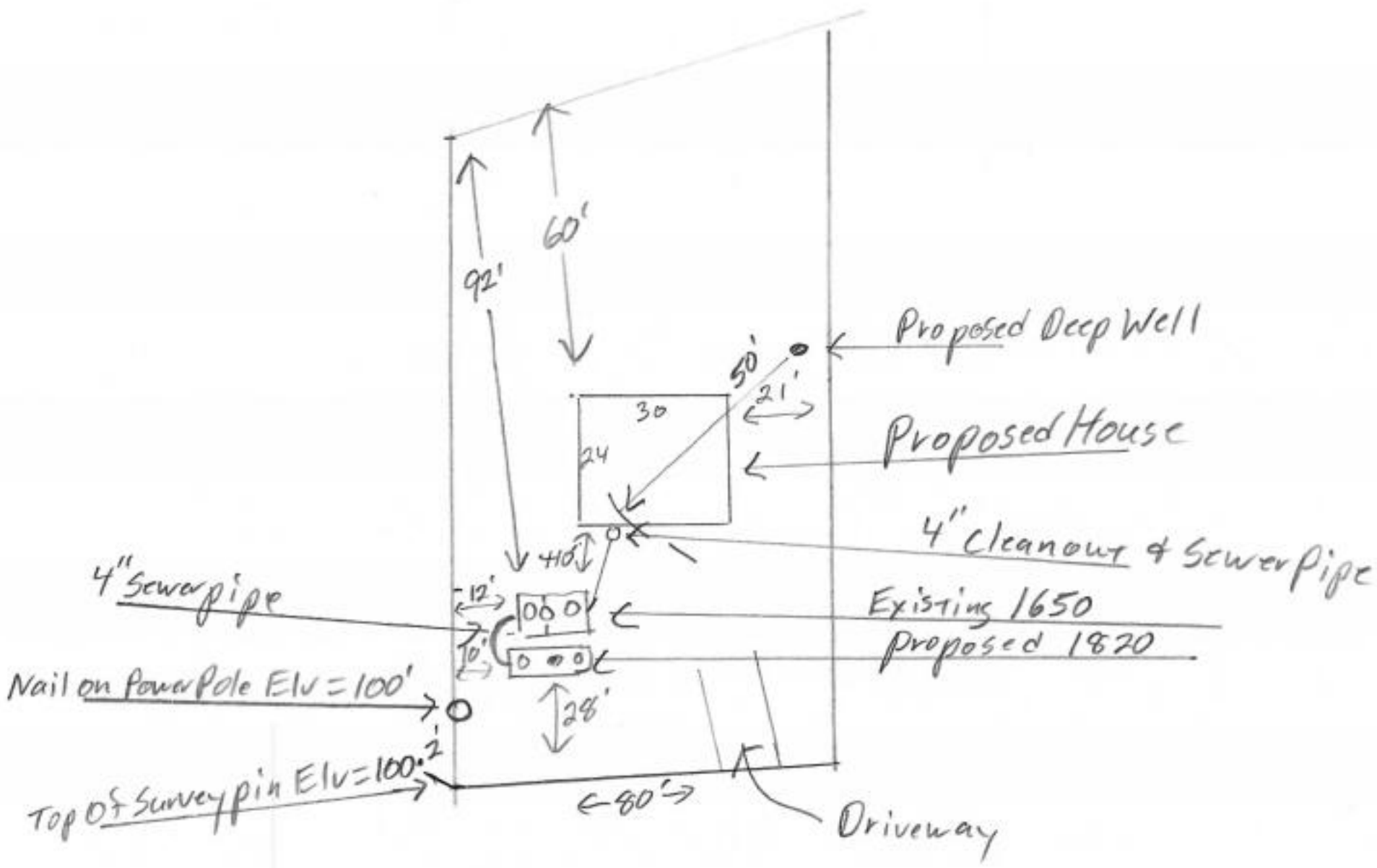
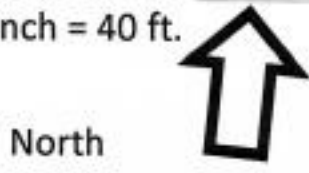
E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 10/14/2020

Page: 1 Of _____

Aitkin County { Holding Tank Design }

Property Owner: Jason Michael Date: 10/14/20 Designer's Initials: JB
 One Inch = 40 ft.



Elevation of house not set at time of design.

Spirit Lake Elv. = 81.6' on 10/14/2020

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.= 99'		Existing Grade at SW corner of proposed house Elv. = 99'
Existing tank inlet Elv.= 97'		Estimated sewer pipe at house Elv.= 97.5'
Existing 1st tank inlet Elv.= 93.4'		Top of Survey pin at SW lot Corner Elv.= 100.2'
		Page: Of

Aitkin County { Design Notes }

Property Owner: Jason Michael Date: 10/14/2020 Designer's Initials : JB
Pin : 07-1-096700

Proposed House will have 2 holding tank system (Existing 1650 2/Compartment and new 1860 2/compartment) .
Lot is too small for Type I system. Proposed deep well will be + 50' from tanks.

Install 1820 2/Compartment Jacobson septic tanks to be used as 2nd holding tank.

Install with serial gravity flow from 1st tank.

Raise at least one manhole per compartment, (recommend manhole that splits both compartments).

Install electric alarm in last compartment at 20% of tanks capacity, approx. 8 inches
this will leave approx. 530 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 Spirit Lake setback.

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

Designer Name : Jeff Brummer License Number : L-1347

Address : 7450 Burr Ln. City : Brainerd State : MN

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

E-Mail Address : brummerseptic@gmail.com

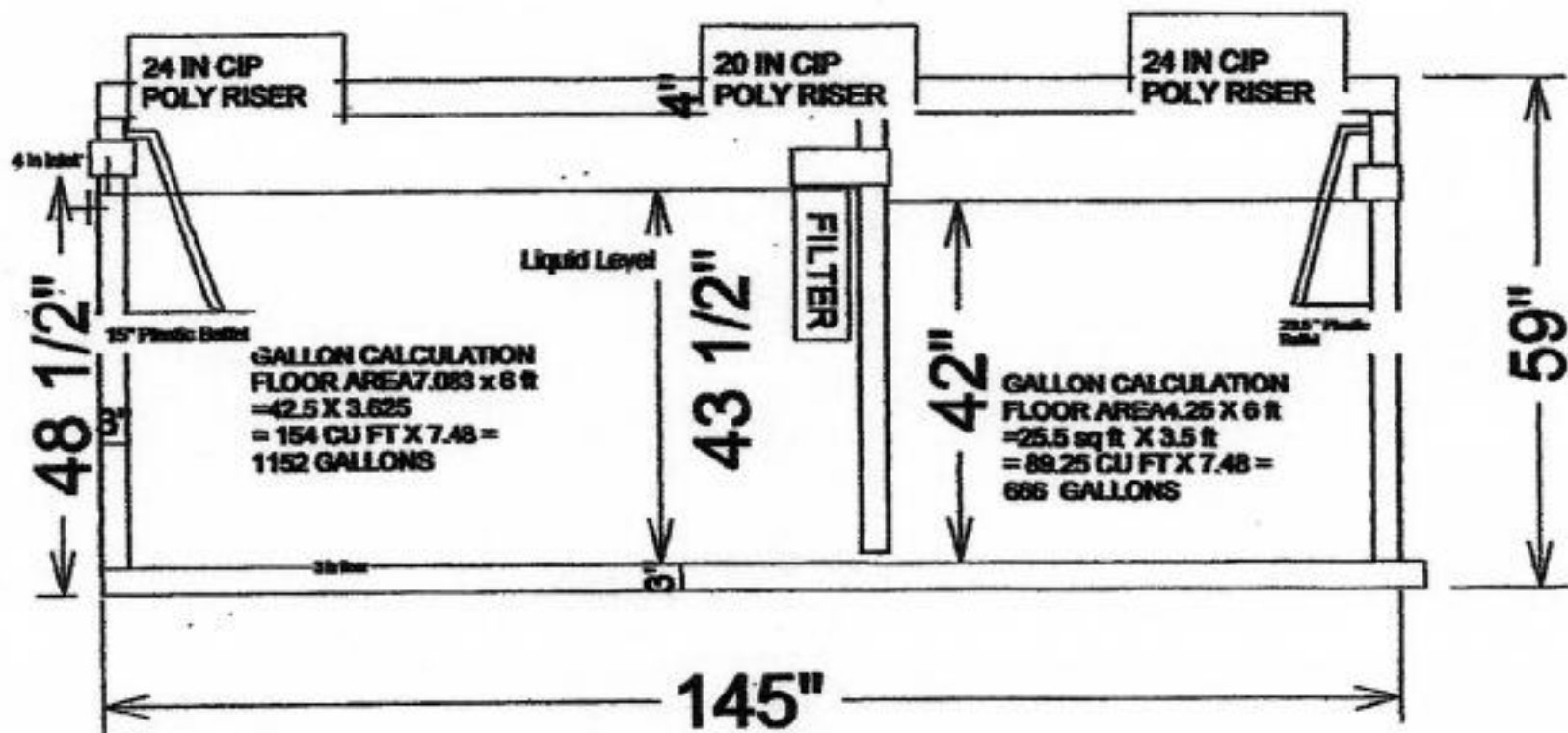
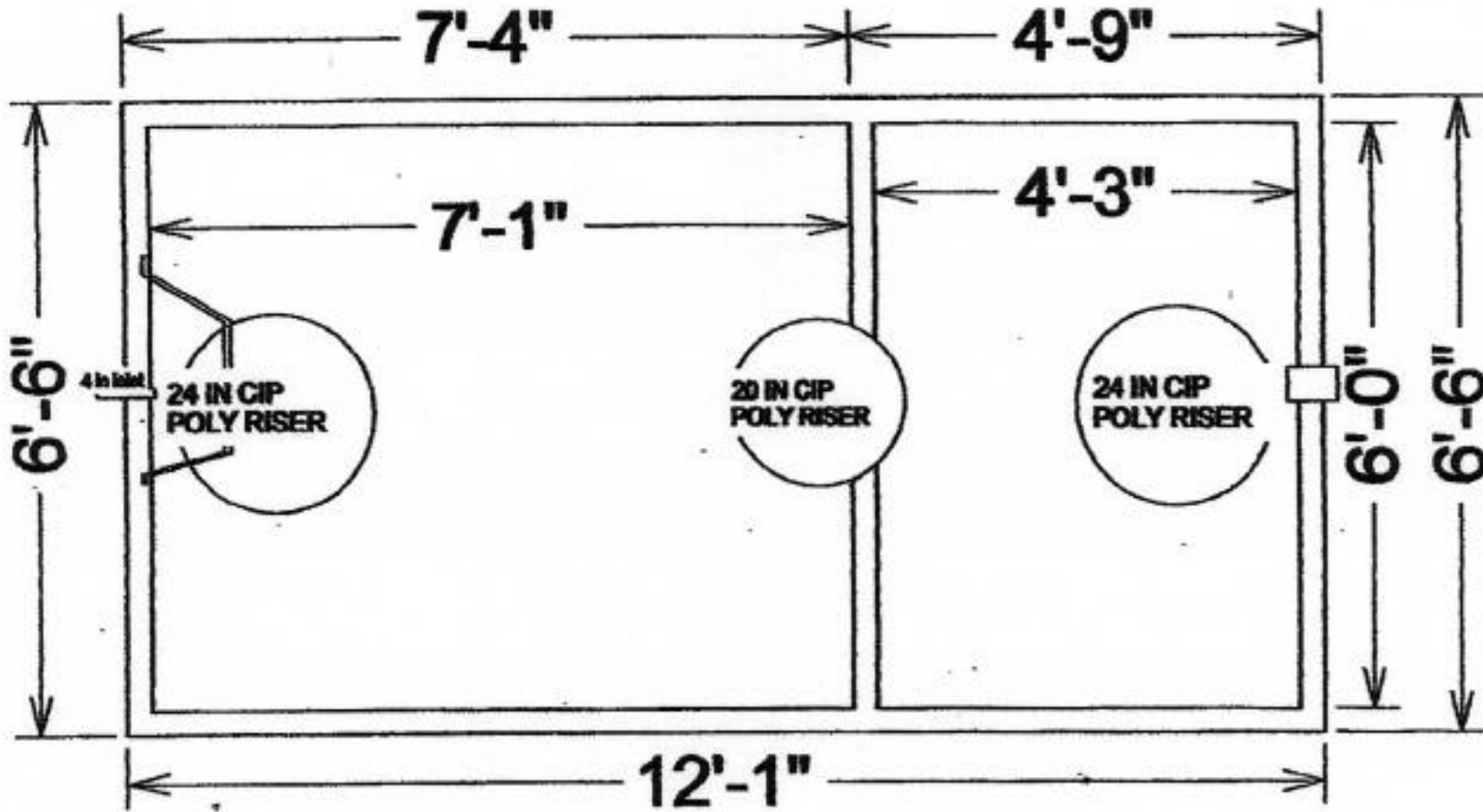
Designer Signature :  Date: 10/14/2020

1820 Gallon 2 Compartment Septic Tank

Weight: 13,780 Lbs

Proposed 2nd Tank

TOP VIEW



666 gal. / 42" = 15.85 GPI

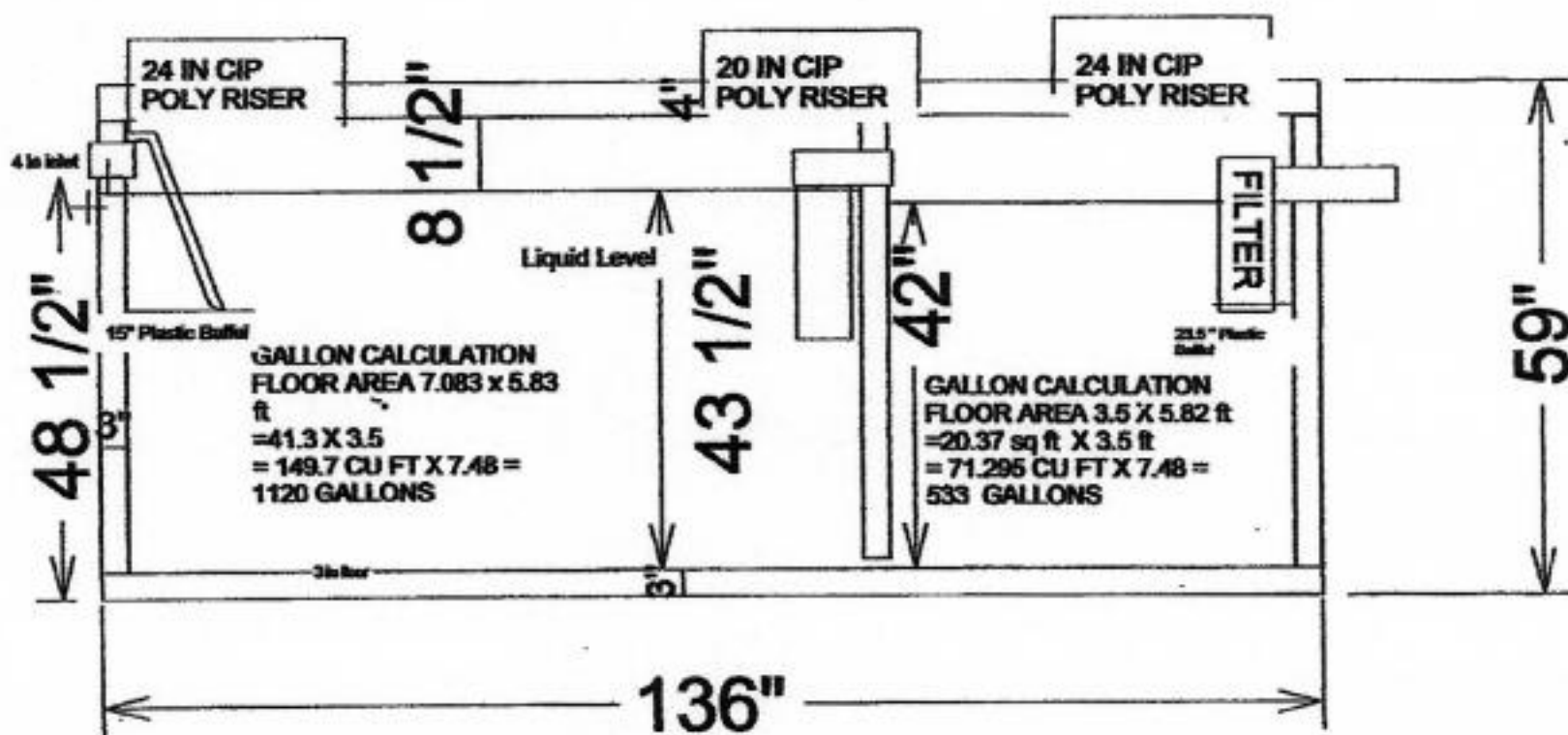
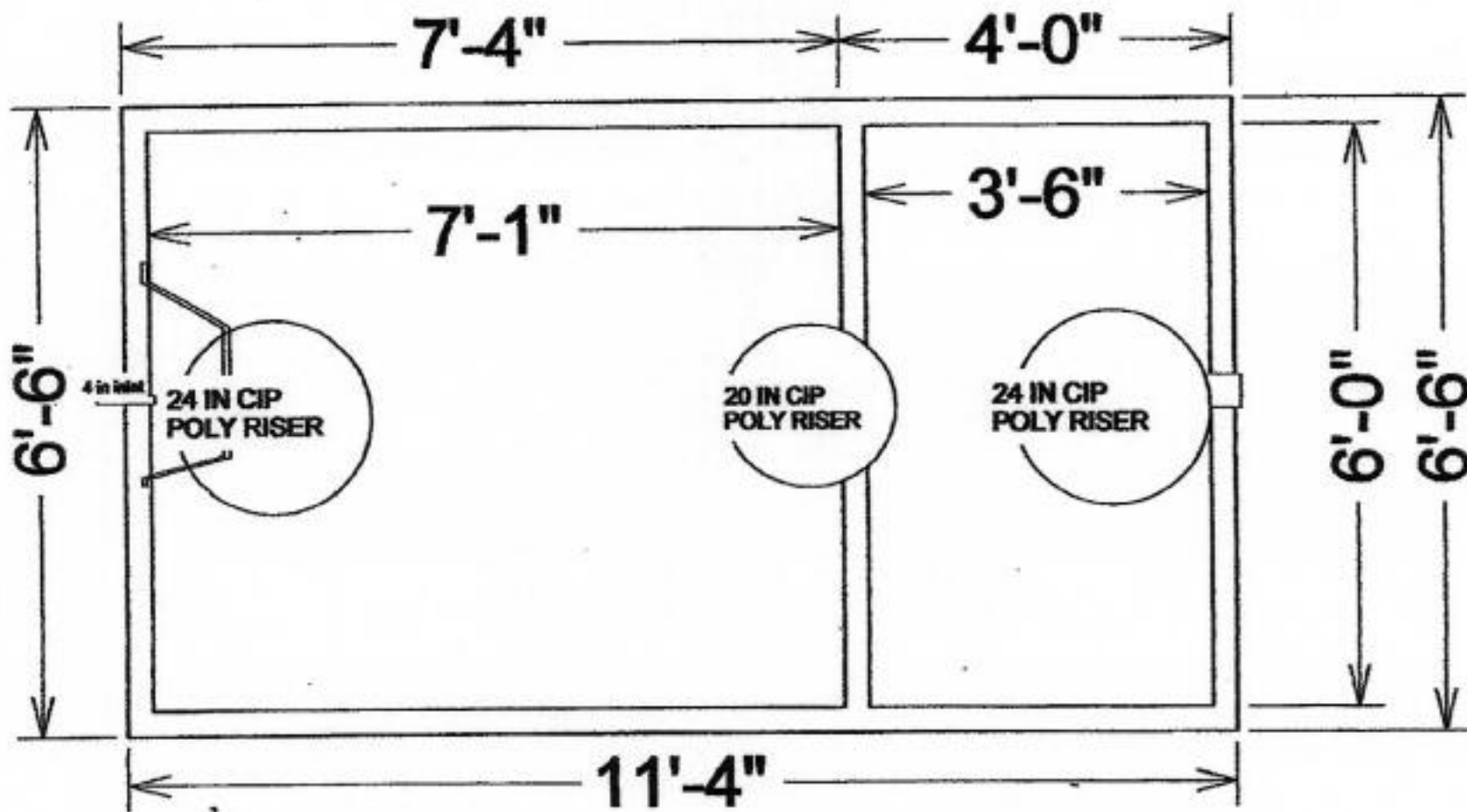
SIDE VIEW

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

1650 Gallon 2 Compartment Septic Tank

Existing Tank

TOP VIEW



$533 / 42" = 12.69 \text{ GPI}$

SIDE VIEW

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



Detailed Parcel Report

Parcel Number: 07-1-096700

General Information

Township/City:	FARM ISLAND TWP	Lake Number:	1017800
Taxpayer Name:	PATNODE, DONNA J	Lake Name:	SPIRIT LAKE
Taxpayer Address:	29230 412TH PLACE	Acres:	0.00
	AITKIN MN 56431	School District:	1.00
Property Address:	29236 412th Pl		
Township:	46		
Range:	27		
Section:	26		
Green Acres:	No		
Plat:	ALFREDS BEACH		
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:	2020

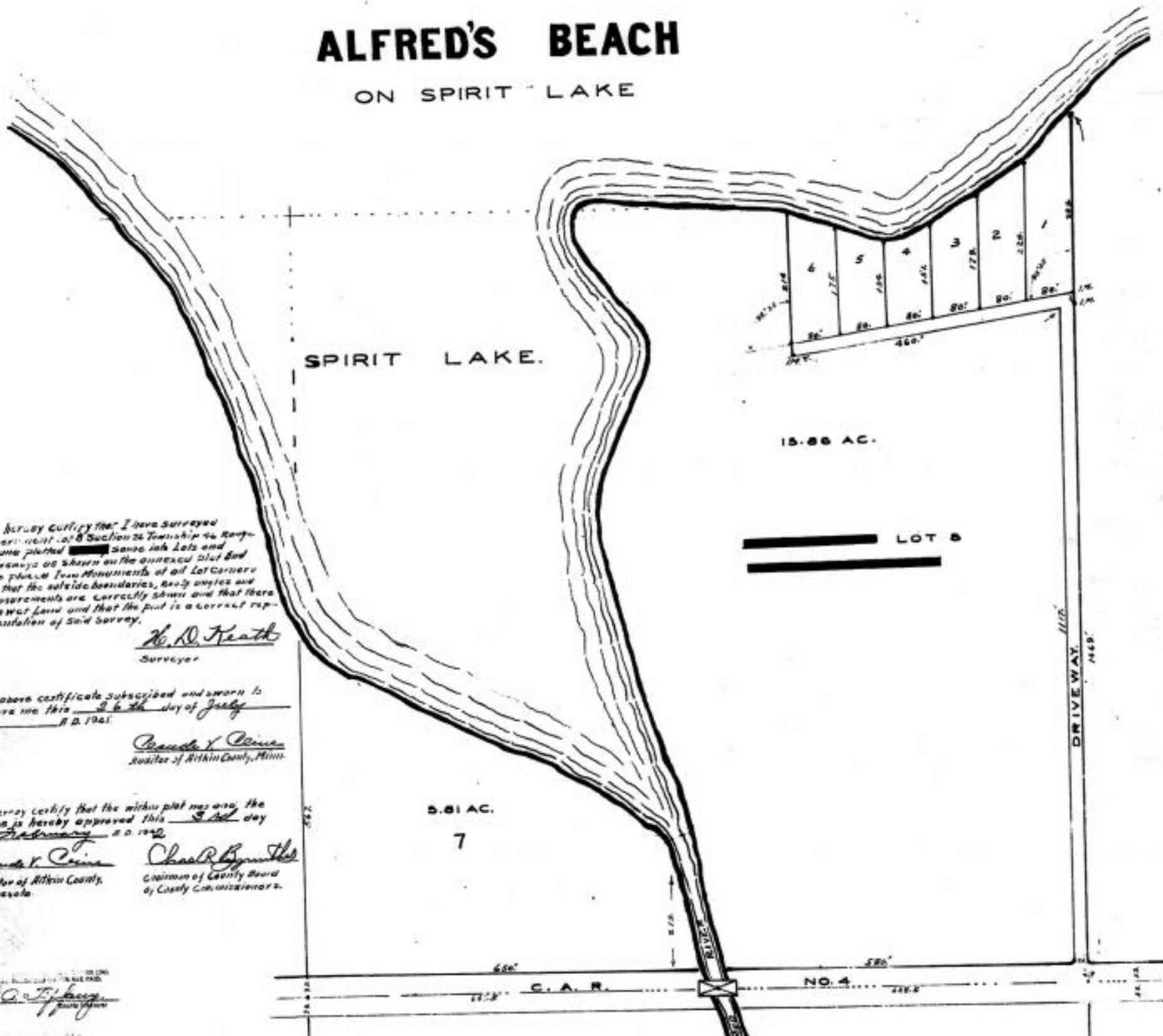
Estimated Land Value:	\$63,600.00
Estimated Building Value:	\$100.00
Estimated Total Value:	<u>\$63,700.00</u>
Prior Year Total Taxable Value:	\$60,800.00
Current Year Net Tax (Specials Not Included):	\$458.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$0.00
Delinquent 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.**

ALFRED'S BEACH

ON SPIRIT LAKE



I hereby certify that I have surveyed Government Lot 8 Section 26 Township 46 Range 27 and plotted same into Lots and driveways as shown on the annexed plat and have placed iron monuments at all lot corners and that the outside boundaries, party angles and measurements are correctly shown and that there is no wet land and that the plat is a correct representation of said survey.

H. D. Heath
Surveyor

The above certificate subscribed and sworn to before me this 9th day of July A. D. 1941

Charles T. Coine
Recorder of Aitkin County, Minn.

I hereby certify that the within plat was on the same is hereby approved this 3rd day of February A. D. 1942

Charles T. Coine Recorder of Aitkin County, Minnesota
Charles R. Bynum Chairman of County Board of County Commissioners

W. A. Tibbels
Notary Public

19 Feb 1942
Charles T. Coine

104213

OFFICE OF RECORDER OF DEEDS
COUNTY OF AITKIN, MINN.
I hereby certify that the within instrument was filed in this office for record on the 20th day of February A. D. 1942 at 4:30 P. M.
W. A. Tibbels
Recorder of Deeds

Know All Men by these presents that Ernest Johnson a single man, being the owner and Proprietor of Government Lot Eight (8), Section Twenty-six (26), Township Forty-six (46), Range Twenty-seven (27), have caused the same to be surveyed and plotted into Lots and driveways and to be here-after known as Alfred's Beach on Spirit Lake, and do hereby dedicate to public use forever the driveway as shown on the above plat and in witness where-of I do hereby set my hand and Seal this 4th day of August A. D. 1941

Witness: W. A. Tibbels

Ernest Johnson

State of Minnesota ss.
County of Aitkin } on this 4th day of August A. D. 1941 before me a Notary Public, within and for said County, personally appeared Ernest Johnson to me personally known and did say that he signed and acknowledged the foregoing instrument as his own free act and deed.

W. A. Tibbels
Notary Public, Aitkin County, Minnesota.
My Commission Expires Aug 14, 1942

Permit # _____ Address _____

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Cables Sewer Sv., hereinafter referred to as "Contractor", and _____, 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 Individual Sewage Treatment System and Wastewater Ordinance No.1 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.

[Signature]
Contractor

[Signature]
Homeowner

Date 7-15-20

Date 7-16-20