

Aitkin County Holding Tank Design ~~Backlot~~

Property Owner: James Hennen Date: 5/4/2021 Cell: 218-752-1009

Mailing Address: 67432 State Hwy 65 Home Phone #: _____

City: Jacobson State: MN Zip: 55752

Site Address: 67432 State Hwy 65 Parcel Number: 02-0-029601

City: Jacobson State: MN Zip: 55752

Driving Directions if no address issued : _____

Buildings 300 ft south of address _____

Legal Description : W1/2 of NW1/4

Sec : 16 Twp.: 52 Range : 23 Twp. Name : Ball Bluff

Lake / River : NA Lake / River Classification : _____

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 : + 70' Drainfield to Well : NA Sewer Line to Well : _____
 Tank(s) to House : +25' Drainfield to House : NA Air Test NO
 Tank(s) to Property Line : +100' Drainfield to Property Line : NA

Additional System Notes and Information:

Existing house has no septic system.

Soils are type III around house

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: 5/4/2021

Aitkin County { Design Notes }

Property Owner: James Hennen Date: 5/4/2021 Designer's Initials : JB
Pin : 02-0-029601

Existing House will have 1 holding tank system (install a 1500 gallon Or a 1820 gallon Holding tank) .
Lot is too small for Type I system. Proposed deep well will be + 50' from tanks.

This is a wet lot, high water table in ground.
Install new tank with inlet at or above existing grade, to keep tank out of water as much as possible.
The house is high of the grade, install sewer pipe above grade, Build up existing grade, from house to tank.
Mound soil over pipe approx. 12" of cover, Mound soil on top of tank for ballast, 2 feet if possible.

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 75% of tanks capacity.
this will leave approx. 350 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.

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

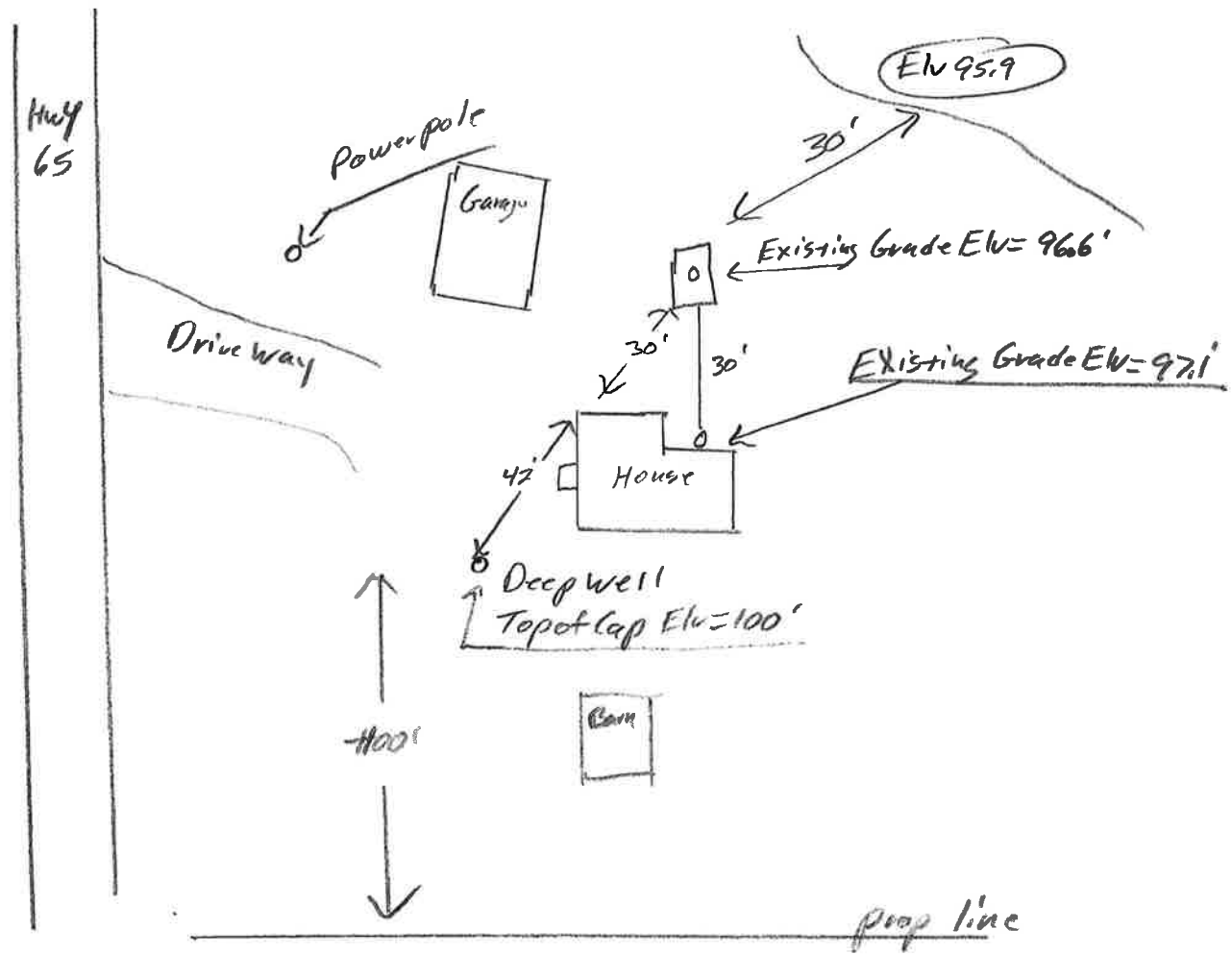
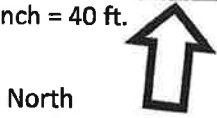
Setbacks are

- 50 ft. from well
- 10 ft. from lot line
- 10 ft. from road easement
- 10 ft. from structure.

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: 5/4/2021

Aitkin County { Holding Tank Design }

Property Owner: James Hennen Date: 5/4/21 Designer's Initials: JB
 One Inch = 40 ft.



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

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

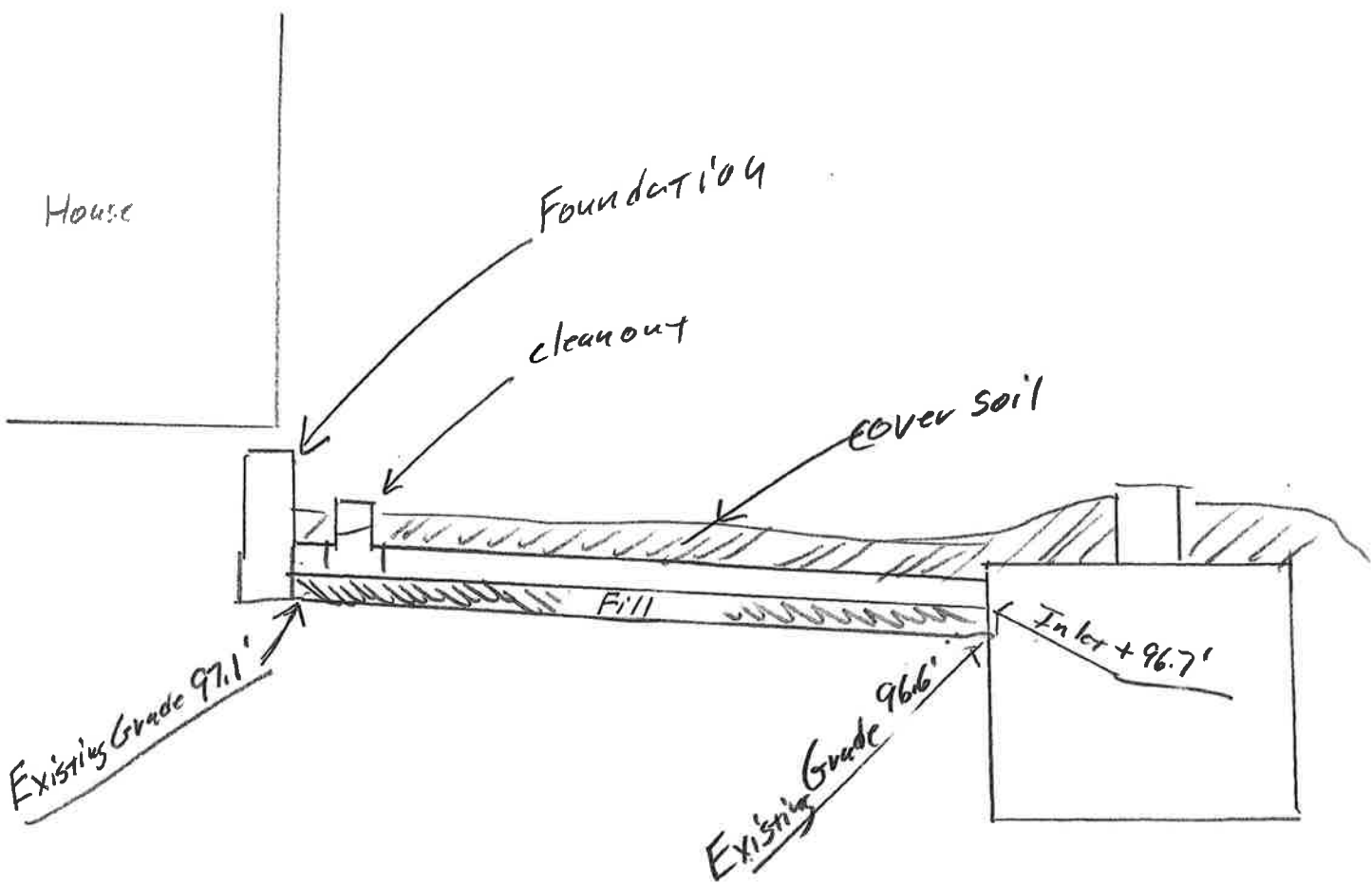
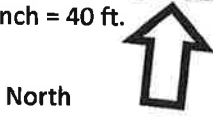
- Access Route for Tank Maintenance
- Property Lines
- Structures
- Setbacks

Elevations :	Benchmark Elevation:	Elv.= 100' Top of deep well cap
Proposed tank grade Elv.= 96.6'		Existing Grade at NE corner of house Elv. = 97.1'
		Estimated sewer pipe at house Elv.= 97.5'
Proposed Holding tank inlet Elv.= 96.7'		

Page: Of

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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' Top of deep well cap
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Page: Of



Detailed Parcel Report

Parcel Number: 02-0-029601

General Information

Township/City: BALL BLUFF TWP
Taxpayer Name: HENNEN, JAMES J
Taxpayer Address: 67432 STATE HWY65
JACOBSON MN 55752
Property Address: 67432 STATE HWY 65
Township: 52 Lake Number: 0
Range: 23 Lake Name:
Section: 16 Acres: 20.00
Green Acres: No School District: 2.00
Plat:
Brief Legal Description: W 1/2 OF NW SW

Tax Information

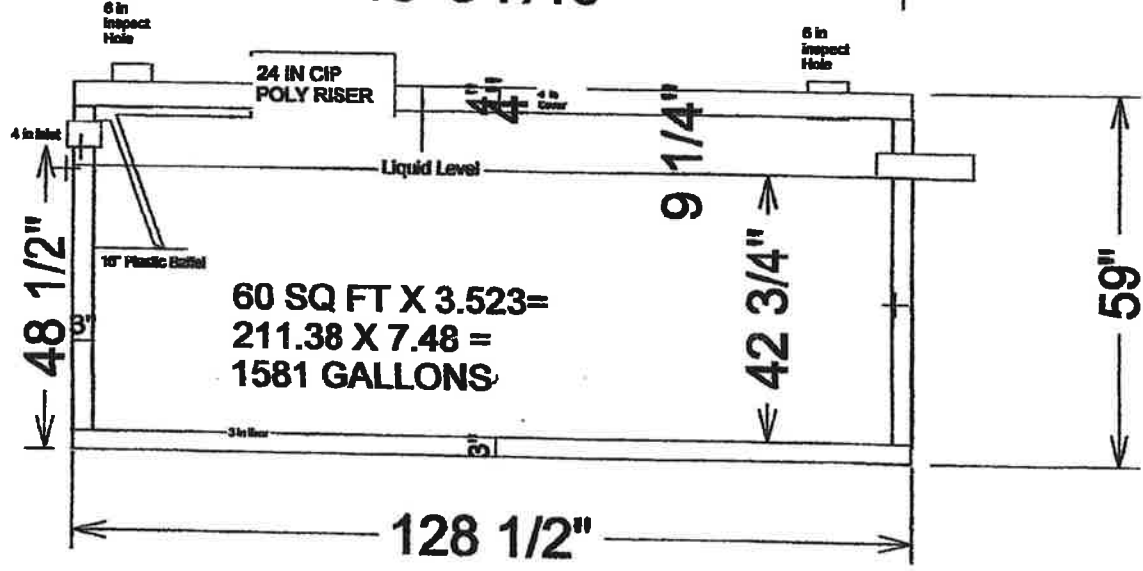
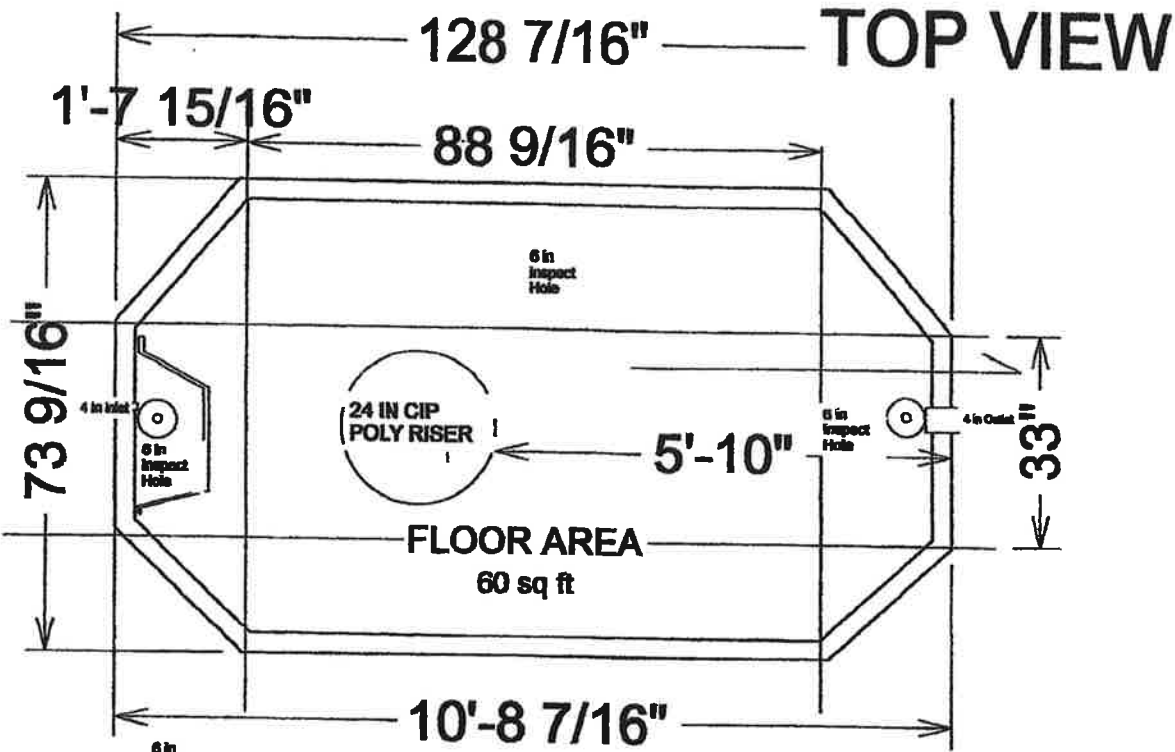
Class Code 1: Residential 1-3 units Previously SRR
Class Code 2: Residential Non-hstd 1-3 Units not 4bb
Class Code 3: Unclassified
Homestead: Owner Homestead
Assessment Year: 2021

Estimated Land Value:	\$38,200.00
Estimated Building Value:	\$35,800.00
Estimated Total Value:	<hr/> \$74,000.00
Prior Year Total Taxable Value:	\$55,140.00
Current Year Net Tax (Specials Not Included):	\$738.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$738.00
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.

1500H Holding Tank

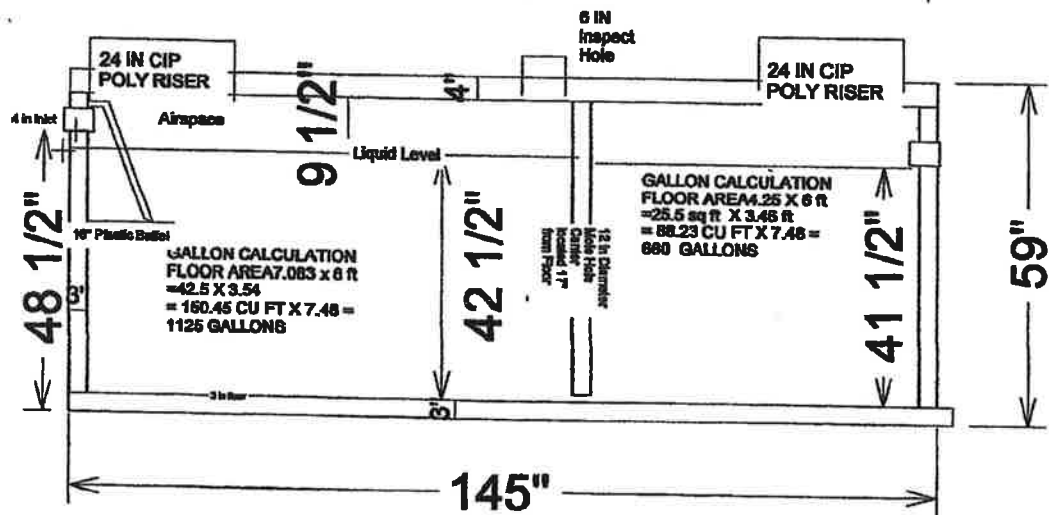
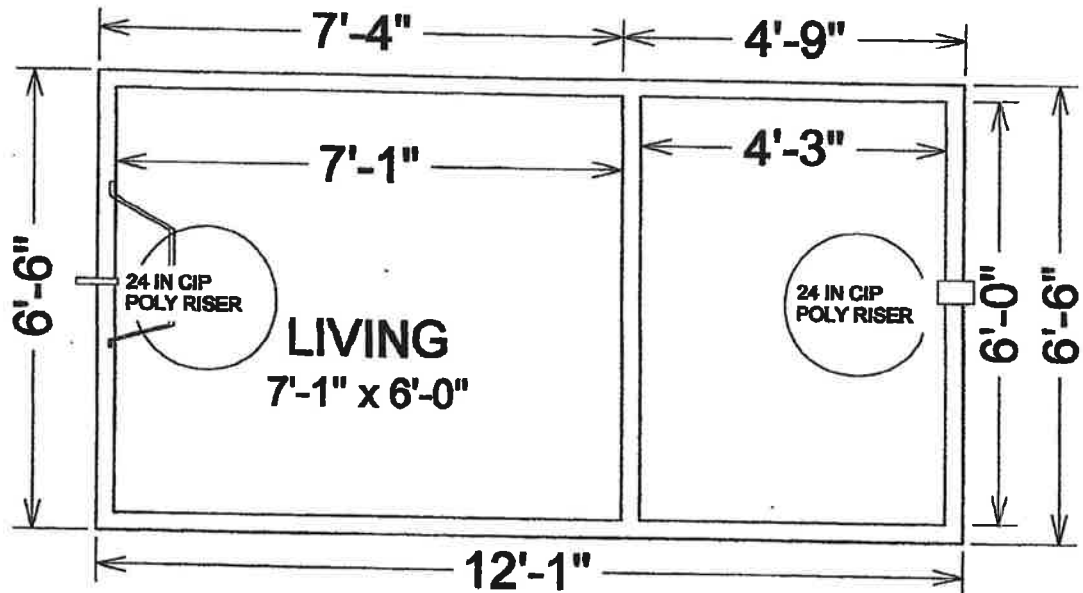


35.08 gallons per. inch

Drawings Owned BY Jacobson Precast, LLC
36641 HWY 169, Aitkin, Mn 56431
Do not copy drawings without permission of the Owner

1820 HMH 2 Compartment Holding Tank W Mole Hole

TOP VIEW



SIDE VIEW

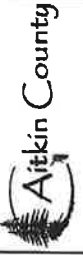
Drawings Owned BY Jacobson Precast, LLC
 36144 400th Ave, Aitkin, Mn 56431
 Do not copy drawings without permission of the Owner



Map may not be valid at this scale.

Hennen

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.



Date: 5/4/2021

1:1,847 0 55 110 ft 1 inch = 154 feet

HOLDING TANK PUMPING SERVICE AGREEMENT PID # 02-0-029601

Permit # _____ Address 67432 State Hwy 65 Jacobson MN 55752

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Goble's Sewer Service Inc., hereinafter referred to as "Contractor", and James Hennen, 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 5/4/2021

Date _____

Goble's Sewer Service Inc. (218) 927-6175
1037 1st St. NW Aitkin MN 56431

James Hennen 218-752-1009

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

Timber Lake Septic Service (218) 927-6175

Subsurface Sewage Treatment System Management Plan

Property Owner: James Hennen Phone: 218-752-1009 Date: 5/4/2021
Mailing Address: 67432 State Hwy 65 City: Jacobson MN 55752 Zip: _____
Site Address: 67432 State Hwy 65 City: Jacobson MN 55752 Zip: _____

This management plan will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic service provider.

System Designer: check every 36 months.
Local Government: check every 36 months.
State Requirement: check every 36 months.

My System needs to be checked every 36 months.

(State requirements are based on MN Rules Chapter 7080.2450, Subp. 2 & 3)

Homeowner Management Tasks

- Leaks* – Check (look, listen) for leaks in toilets and dripping faucets. Repair leaks promptly.
- Surfacing sewage* – Regularly check for wet or spongy soil around your soil treatment area.
- Effluent filter* – *Inspect and clean twice a year or more.*

Owner ----> *Alarms* – Alarm signals when there is a problem. Contact a service provider any time an alarm signals.
Event counter or water meter – Record your water use.

-recommend meter readings be conducted (circle one: DAILY WEEKLY MONTHLY)

Professional Management Tasks

- Check to make sure tank is not leaking
- Check and clean the in-tank effluent filter
- Check the sludge/scum layer levels in all septic tanks
- Recommend if tank should be pumped
- Check inlet and outlet baffles
- Check the drainfield effluent levels in the rock layer
- Check the ~~alarm~~ alarm system functions
- Check wiring for corrosion and function
- Check dissolved oxygen and effluent temperature in tank
- Provide homeowner with list of results and any action to be taken
- Flush and clean laterals if cleanouts exist

"I understand it is my responsibility to properly operate and maintain the sewage treatment system on this property, utilizing the Management Plan. If requirements in the Management Plan are not met, I will promptly notify the permitting authority and take necessary corrective actions. If I have a new system, I agree to adequately protect the reserve area for future use as a soil treatment system."

Property Owner Signature: _____ Date: _____

Designer Signature: Jeff Brummer Date: 5/4/2021

See Reverse Side for Management Log

Maintenance Log

Activity	Date Accomplished
Check frequently:	
Leaks: check for plumbing leaks	
Soil treatment area check for surfacing	
Lint filter: check, clean if needed	
Effluent screen: if owner-maintained	
Water usage rate (monitor frequency _____)	
Check annually:	
Caps: inspect, replace if needed	
Sludge & Scum/Pump	
Inlet & Outlet baffles	
Drainfield effluent leaks	
Pump, alarm, wiring	
Flush & clean laterals if cleanouts exists	
Other: _____	
Other: _____	

Notes: Pump tanks when full. have pumper check tanks for leaks

Mitigation/corrective action plan: _____
