

Aitkin County Holding Tank Design Back Lot

Property Owner: Gary Palmer Date: 7/22/2021 Cell: 612-272-9399
 Mailing Address: 22755 Raven St. NW Home Phone #: _____
 City: Bethal State: MN Zip: 55005
 Site Address: 63303 206th Pl Parcel Number: 06-1-060000
 City: Jacobson State: MN Zip: 55752
 Driving Directions if no address issued: _____

Legal Description: Lots 1 & 5 Blk 3 Little Ponderosa
 Sec: 5 Twp.: 51 Range: 23 Twp. Name: Cornish
 Lake / River: Ball Bluff + 500 ft from 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: Existing Deep
 Shallow Well: None

Wells to be sealed (if Applicable) ? _____

SETBACKS

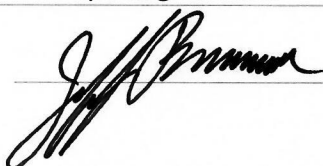
Tank(s) to Well: 75' Drainfield to Well: NA Sewer Line to Well: _____
 Tank(s) to House: 40' Drainfield to House: NA Air Test: NO
 Tank(s) to Property Line: +20' Drainfield to Property Line: NA

Additional System Notes and Information: All type III soils in the area

2 existing tanks to be pumped, collapsed, filled or removed

Install 2 - 1500 gallon holding tanks.

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: 7/22/2021

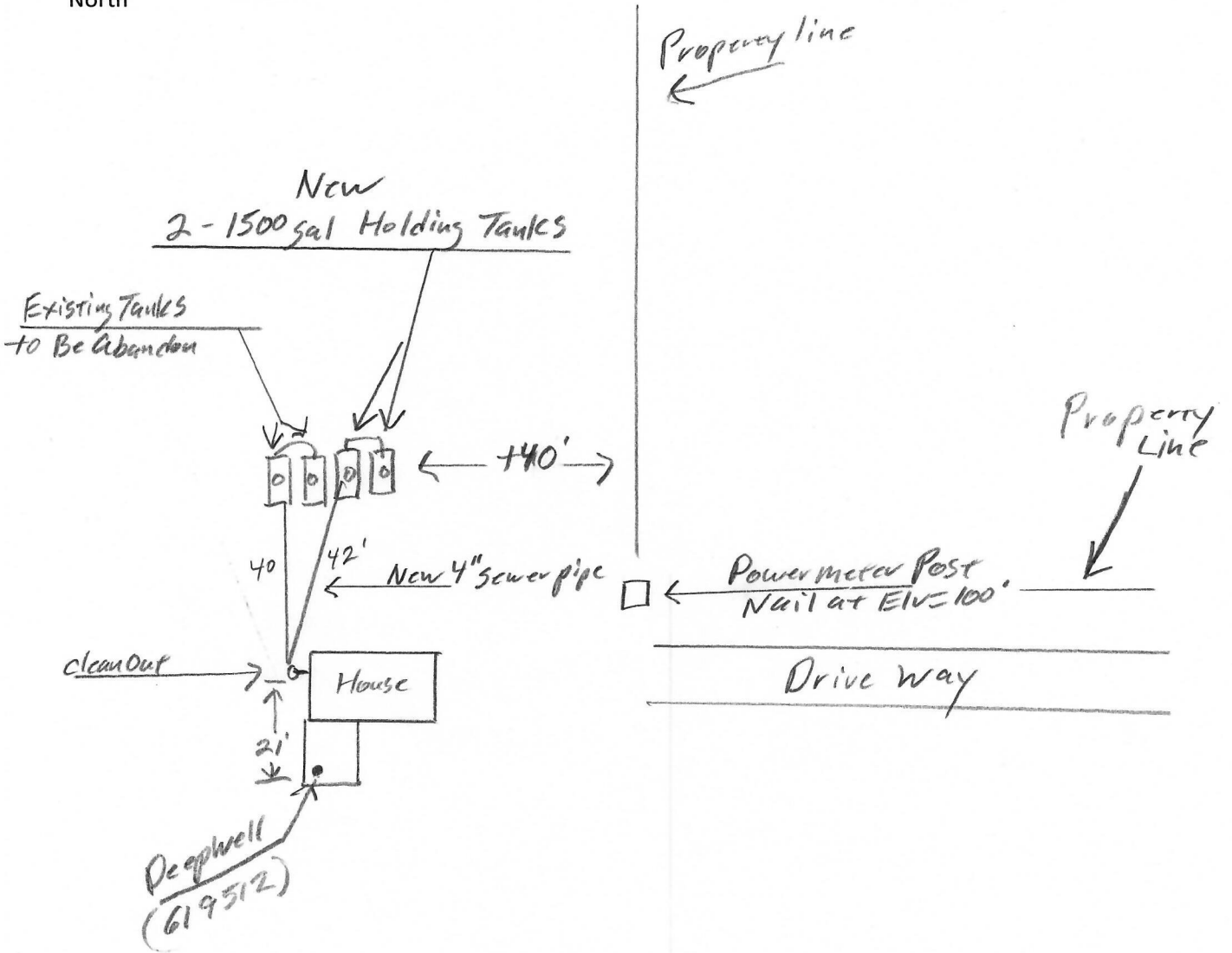
Page: 1 Of _____

Aitkin County { Holding Tank Design }

Property Owner: Gary Palmer Date: 7/22/21 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 Power post at lot corner
Existing tank grade Elv.= 99.4'	Existing Grade at clean-out at house Elv. = 98.9'
Existing tank inlet Elv.= 97.2'	Existing sewer pipe at house Elv.= 98.8'
New tank Grade Elv. = 99'	Top of deep well cap Elv. = 100.1'

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{ Design Notes }

Property Owner: Gary Palmer Date: 7/22/2021 Designer's Initials : JB
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Existing house has deep well at SW corner. Soils are Type III on lot.
Existing Holding tanks to be , pump, collapse, filled or remove.
Bench Mark Elevation = 100' Nail on power meter post near lot corner.
Install 2 Jacobson 1500 gal Holding tanks, add extra waterproofing, (if available) to the 1500 gal. Tanks.
Some of the tanks may be in water.
Install tank with gravity flow from house, connect to existing clean-out near house.
Installer will add extra soil on top of tank for ballast.
Install tanks with all manholes to above finished grade. (recommend 6" above).
Install alarm in 2nd tank at approx. 50% of tank capacity, this will be approx. 750 gal. reserve capacity.
If installing manual alarm designer recommends raising 4" pipe to above snow levels (36" above grade).
Owner will need a Holding Tank Pumping Service Agreement.

Setbacks are	(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
50 ft. from well	
10 ft. from lot line	
10 ft. from structure.	

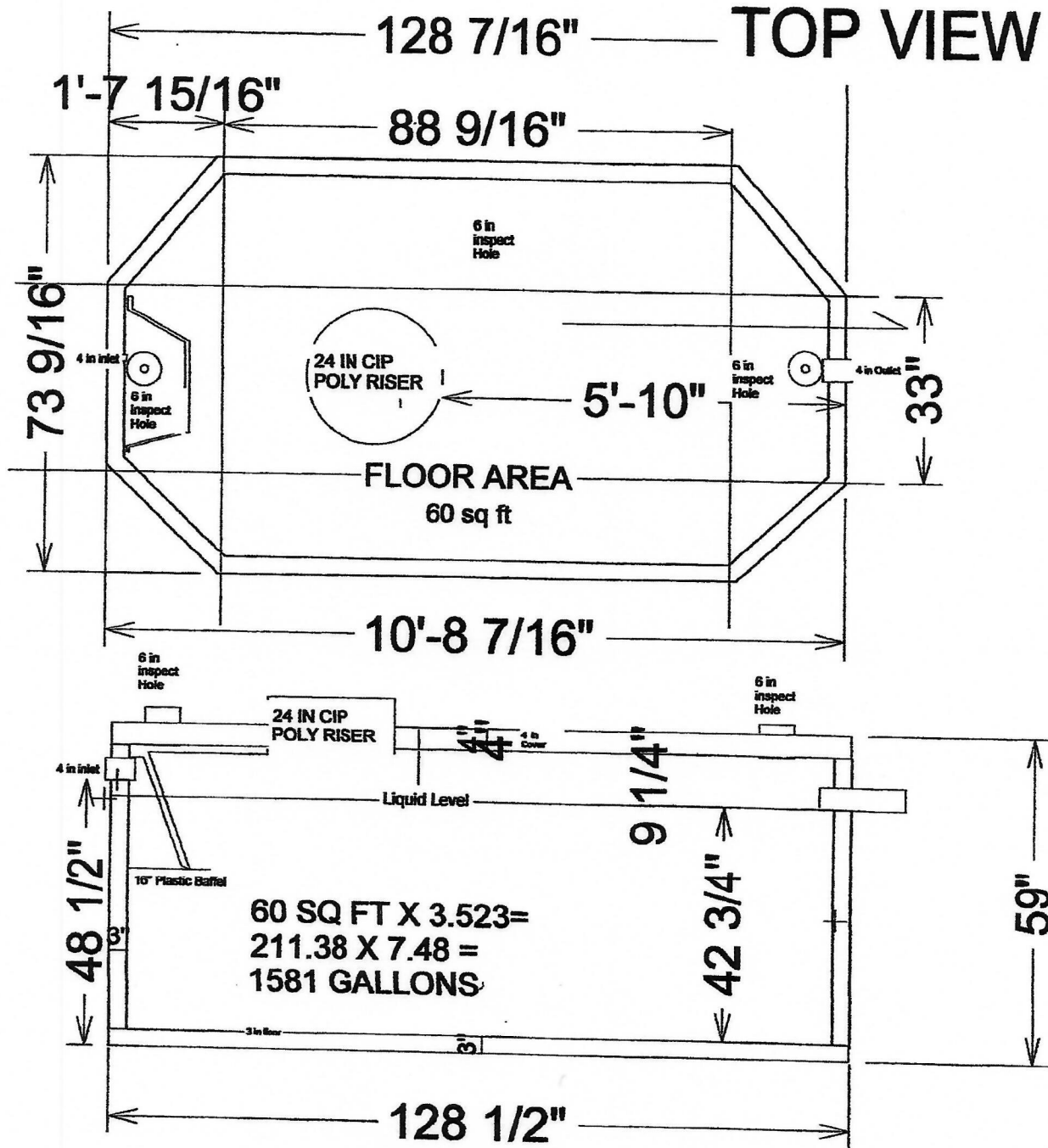
Owner should install protect around tanks to keep traffic off tank. (Boulders, fence posts)

Existing Elevations 7/22/2021
 Grade at Power post with power meter Elv. = 98.9' Nail at Elv. = 100'
 Existing Grade at Proposed tank site Elv. = 99'
 Estimated new 1st tank inlet Elv. = 97.5'
 Top of deep well cap Elv.= 100.1'

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: 7/22/2021

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



Minnesota Well Index

General Information

Unique Well ID: 619512 **Well Name:** LEHMAN, KIRK **County:** Aitkin **Aquifer:** Quat. buried artes. aquifer
Well Elevation (msl in feet): 1253 **Drilled Depth (ft):** 71 **Well Completed (ft):** 71 **Date Drilled:** 10/16/1998
Township: 51 **Range:** 23 **Dir:** W **Section:** 5
Subsection: CACCDC **Use:** domestic **Well Status:** Active **Depth To Bedrock:**
Driller: Fideldy, James **Entry Date:** 05/19/1999 **Update Date:** 11/02/2017

Related Resources:

[Go to MN Well Index Map](#) [Well Log Report](#) [Scanned Record\(s\)](#) [Stratigraphy Report](#)

More Details

Stratigraphy

Address

Chemical Data

Construction

Pump Test

Static Water

Comments

Location Changes

Overview Map

Description	From(ft)	To(ft)	Color	Hardness	Lith Primary	Lith Secondary	Interpretation
CLAY	0	12	GRAY	SOFT	CLAY		clay-gray
QUICKSAND	12	63	GRAY	SOFT	SAND		sand-gray
SAND	63	71	GRAY	SOFT	SAND		sand-gray



Detailed Parcel Report

Parcel Number: 06-1-060000

General Information

Township/City: CORNISH TWP
 Taxpayer Name: PALMER, GARY & SANDRA TURCOTTE
 Taxpayer Address: 22755 RAVEN ST NW
 BETHEL MN 55005
 Property Address: 63303 206th PI
 Township: 51 Lake Number: 0
 Range: 23 Lake Name:
 Section: 5 Acres: 0.00
 Green Acres: No School District: 4.00
 Plat: LITTLE PONDEROSA THE
 Brief Legal Description: LOTS 1 & 5 BLK 3

Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational
 Class Code 2: Unclassified
 Class Code 3: Unclassified
 Homestead: Non Homestead
 Assessment Year: 2021

Estimated Land Value:	\$26,000.00
Estimated Building Value:	\$24,200.00
Estimated Total Value:	<u>\$50,200.00</u>
Prior Year Total Taxable Value:	\$50,200.00
Current Year Net Tax (Specials Not Included):	\$360.00
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.

HOLDING TANK PUMPING SERVICE AGREEMENT PID# 06-1-06000

Permit # _____ Address 63303 206th Pl. Jacobson MN 55752

THIS AGREEMENT, entered into by and between Aitkin County Registered Septic Tank Pumper, Kangus Enterprise Inc., hereinafter referred to as "Contractor", and Gary Palmer, 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 7/22/2021

Date _____

Kangus Enterprise Inc. C-7360
38329 St Hwy 65
McGregor MN 55760 218-768-2575

Gary Palmer
612-272-9399