

Aitkin County Replace Tank Design

Property Owner: Daniel Strom Date: 9/15/2021 Cell: 612-414-8013
 Mailing Address: 5525 Orleans Ln. N. Apt.5 Home Phone #: _____
 City: Plymouth State: MN Zip: 55442
 Site Address: 38749 337th LN. Parcel Number: 24-0-008502
 City: Aitkin State: MN Zip: 56431
 Driving Directions if no address issued : _____

Legal Description : _____
 Sec : 5 Twp.: 46 Range : 26 Twp. Name : Nordland
 Lake / River : Nord 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 : None
 Shallow Well : Existing Shallow

Wells to be sealed (if Applicable) ? _____

SETBACKS

Tank(s) to Well : 74' Drainfield to Well : + 100' Sewer Line to Well : _____
 Tank(s) to House : 55' Drainfield to House : +100' Air Test NO
 Tank(s) to Property Line : +10' Drainfield to Property Line : NA

Additional System Notes and Information:

Existing Tank is a 1860 2/Compartment Tank Installed 6/3/2004, existing tank has a cracked floor.
 Install a 1820 Jacobson 2/compartment tank in same location. Can reuse existing pump.
 Existing tank has an effluent filter with electric alarm, and an electric alarm on pump 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: 9/15/2021
 Page: 1 Of _____

Aitkin County { Design Notes }

Property Owner: Daniel Strom Date: 9/15/2021 Designer's Initials : JB
38749 337th Ln. Aitkin MN 56431 Pin : 24-0-008502


Existing Septic tank has a cracked floor, this is the design to replace the tank.
Existing mound / drainfield is compliant 8/31/2021

- Install 1820 2/Compartment Jacobson septic tanks in same location.
- Install effluent filter in septic tank outlet
- Raise all manholes to above finished grade, recommend 4" to 6" above grade to keep runoff out of tank.
- Install electric alarm pump tank compartment
- See Pump calculation sheet for float settings. (page 4)
- 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'.

Tank Setbacks are

- 50 ft. from well
- 10 ft. from lot line
- 10 ft. from road easement
- 10 ft. from structure.
- 75 ft Nord Lake setback.

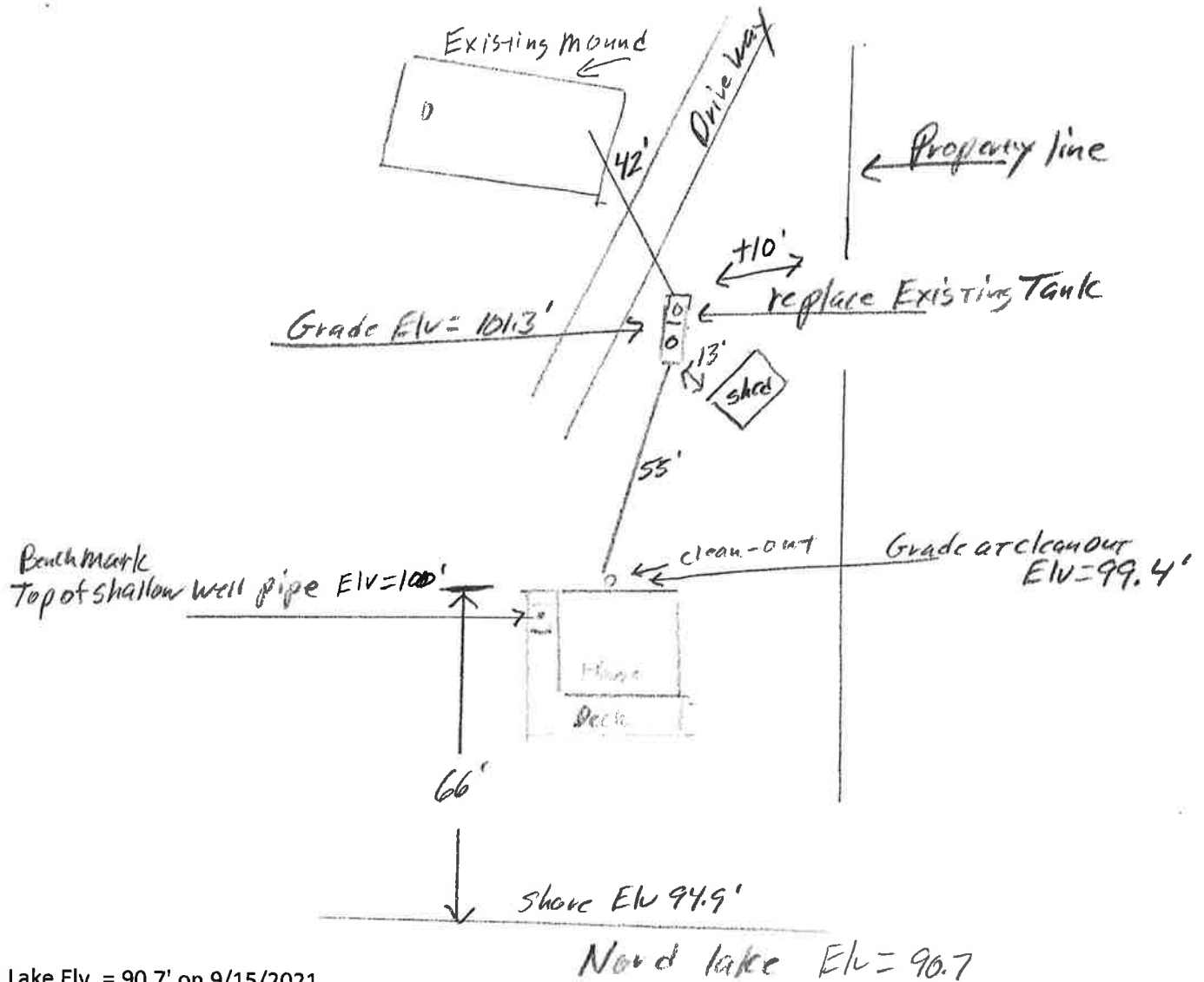
Owner should install protection around tank to keep traffic off tank.

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Aitkin County { Holding Tank Design }

Property Owner: Daniel Strom Date: 9/15/21 Designer's Initials: JB
 One Inch = 40 ft.

North



Nord Lake Elv. = 90.7' on 9/15/2021

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' Top of shallow well pipe under front step.
 Existing tank grade Elv. = 101.3' Existing Grade at clean-out near house Elv. = 99.4'
 Existing tank inlet Elv. = 96.8' sewer pipe at house Elv. = 97.8'
 Existing 2" pipe to mound in pump tank Elv. = 99.5'

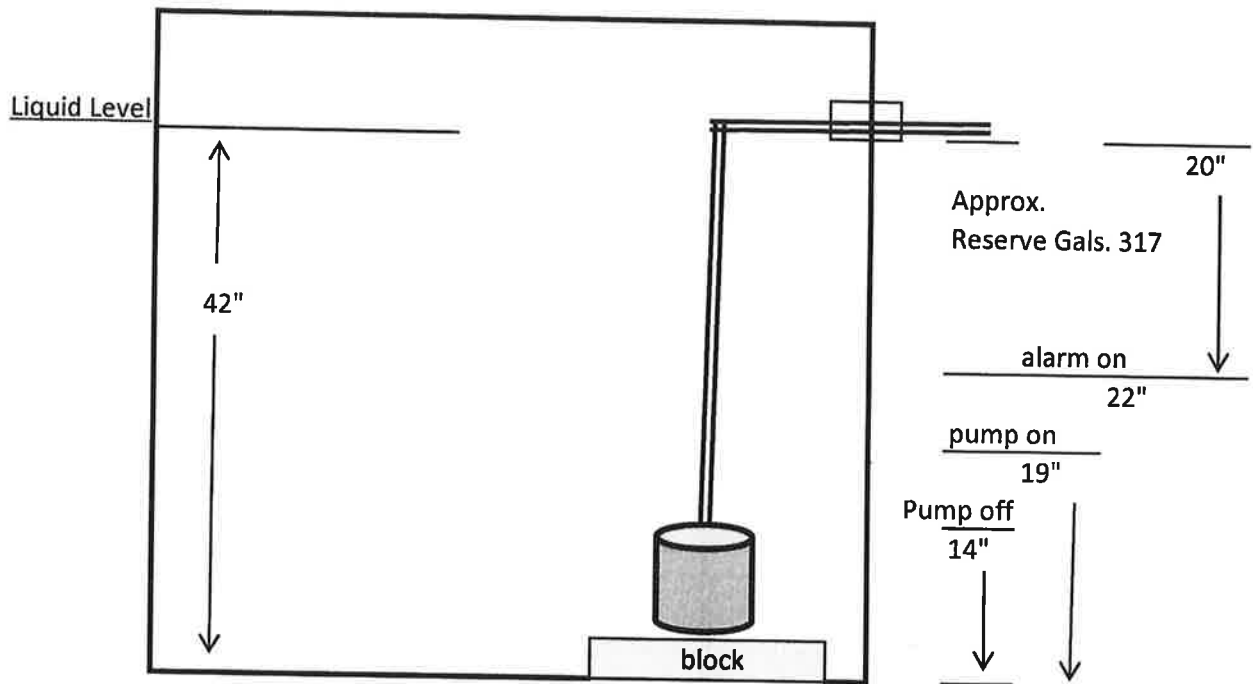
Page: Of

Pump settings for Jacobson 1820 gal 2/Compartment tank.
1152 / 666

Daniel Strom

Parcel ID. 24-0-008502

Tank Mfg. Jacobson 666 Gallon Pump tank
Tank Size: MFG. 15.85 gals. Per inch



Assumes 10" pump

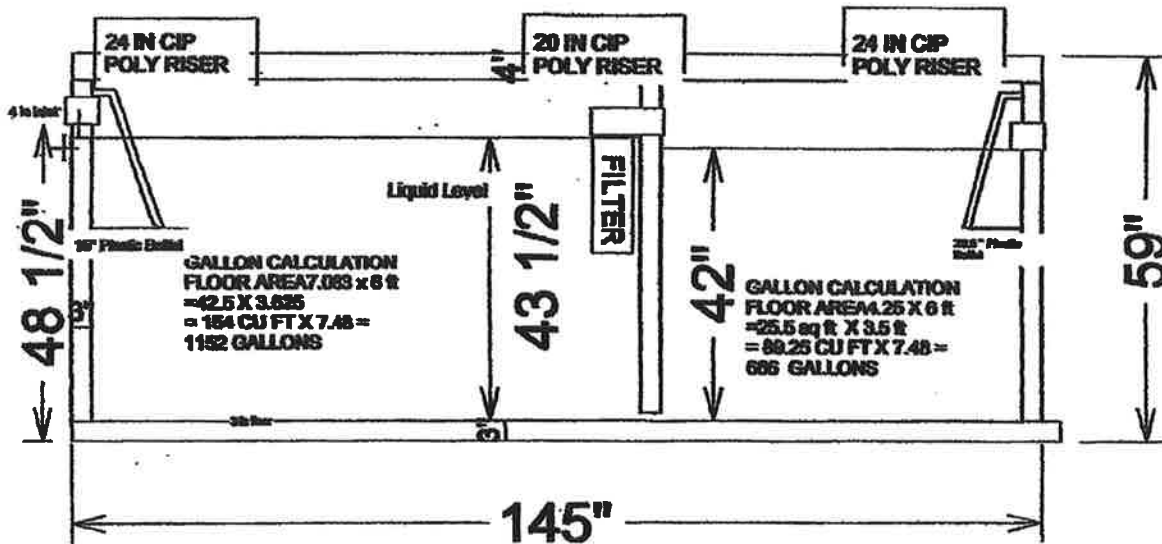
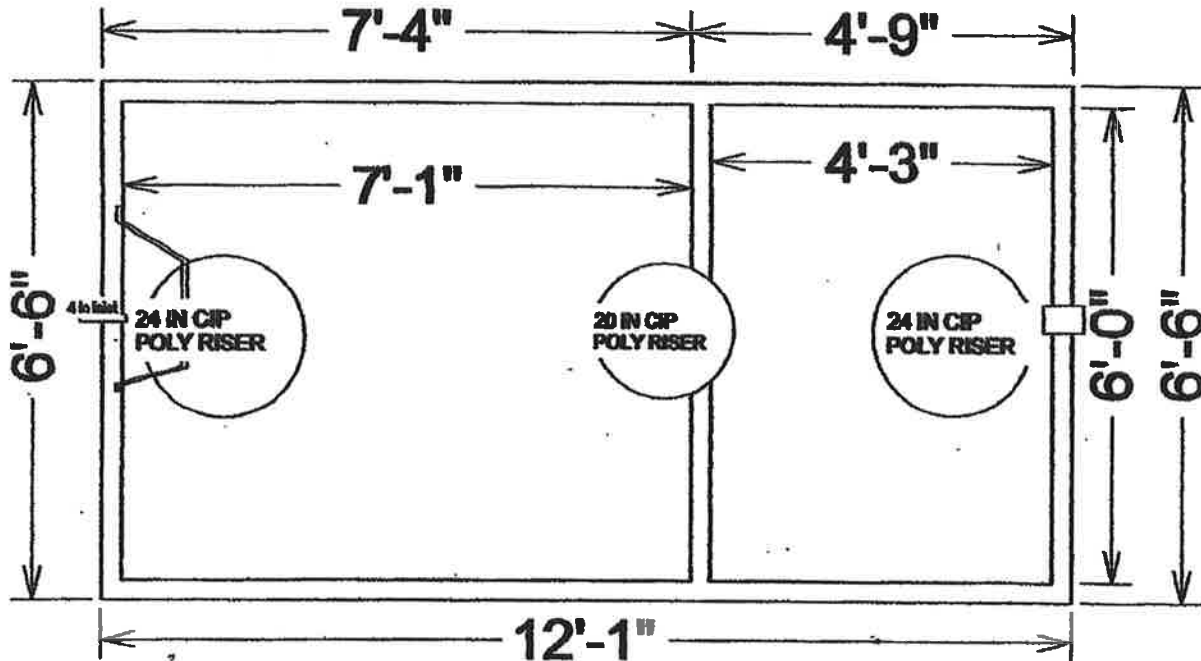
Pump out dose at 5.3" = (75 gals. dose + 9 drain back) = 84 pump out gals.

300 gpd ÷ 4 = 75 gals. Per Dose

1820 Gallon 2 Compartment Septic Tank

Weight: 13,780 Lbs

TOP VIEW



666 gal. / 42" = 15.85 GPI

SIDE VIEW

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



Detailed Parcel Report

Parcel Number: 24-0-008502

General Information

Township/City: NORDLAND TWP
Taxpayer Name: OLSON, AUDREY
Taxpayer Address: 5912 WOODDALE AVE
 EDINA MN 55424
Property Address: 38749 337th Ln
Township: 46 **Lake Number:** 1011700
Range: 26 **Lake Name:** NORD LAKE
Section: 5 **Acres:** 0.57
Green Acres: No **School District:** 1.00
Plat:
Brief Legal Description: .57 AC OF LOT 6 IN DOC 151480 & 193595

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:	\$99,500.00
Estimated Building Value:	\$40,200.00
Estimated Total Value:	<u>\$139,700.00</u>
Prior Year Total Taxable Value:	\$134,500.00
Current Year Net Tax (Specials Not Included):	\$1,052.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$1,052.00
Delinquent Taxes:	Yes

*** 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.**