Aitkin County Holding Tank Design Back Lot

| Property Owner: Bebo | Properties | | Date | e: 8/11/ | 2020 | Cell: 61 | 2-685-2755 |
|--|----------------|--------------|-------------|-------------|-------------------|------------|------------|
| Mailing Address: 1065 Tonkawa Rd | | | | | Home Pho | ne # : | |
| City: Orono | | State: | MN | Zip: 5 | 55356 | | |
| Site Address: 24734 537th Ln | | | | | cel Number: | 19.0 | 046001 |
| City: Palisade | | State: | MN | 200 | | 18-0- | 046001 |
| Driving Directions if no address issu | ed · | state. | IVIIV | Zip: 5 | 6469 | | |
| and a control in the address issu | | | | | | | |
| Legal Description : 105 acres | | | | | | | |
| Sec: 27 Twp.: 50 Range: | 24 Twp | o. Name : Li | ibby | | | | |
| Lake / River : NA | | | | Lake / Riv | er Classification | on: S | elect One |
| | | | | Estima | ated Flow in G | | 99. |
| FLOW DATA | | | | Bedroom | | Class II | Class III |
| Number of Bedrooms : | 2 | | | 2 | 300 | 225 | 180 |
| Dwelling Classification : | I | | | 3 | 450 | 300 | 218 |
| System Type : | II | | | 4 | 600 | 375 | 256 |
| Gallons per Day (GPD): | 300 | | | 5 | 750 | 450 | 294 |
| WELLS | | | | 6 | 900 | 525 | 332 |
| Deep Well : Existing De | en | | | 7 8 | 1050 1200 | 600 675 | 370 |
| Shallow Well : None | | 14/ | alls to be | | | | 408 |
| SETBACKS | | VV | ens to be | sealed (II | Applicable) ? | | |
| Tank(s) to Well: + 150' | Drainfield to | well : | NA | | Sewer Line to | Wall • | |
| Tank(s) to House: +20' | Drainfield to | | NA | - | | national a | 10 |
| | | 2012/06/2017 | | - | | r Test | NO |
| Tank(s) to Property Line: +5 | J D | rainfield to | Property | Line : | NA | | |
| Additional System Notes and Info | rmation: | | | | | | |
| Existing 2 tanks for a Peat filter syste | em, reuse Botl | h tanks as h | olding ta | nks. (1500 | and 750) | | |
| Design is for removal of peat filter p | | | | | | 00 tank. | |
| Both Existing tanks were pumped 7/ | | | | | | | 2020 |
| Designer Name: Jeff Brummer | | | | Lice | nse Number : | L-1 | 347 |
| Address: 7450 Burr Ln. | | С | ity : Brain | nerd | | | State: MN |
| Zip Code: 56401 Home Phon | e#: | | | Cell: 21 | 18-821-0704 | | |
| E-Mail Address : brummerseptic@g | mail.com | | | | | | |
| Designer Signature : 0 // | B | | | | | | 4100400000 |
| Designer Signature : | Brum | men | | | | Date: 8 | /11/2020 |
| - 01 | | | | Page: 1 | Of | | |

8-11-2020 Property Owner: Bebo Properties III LLC. Date: 7/29/2020 Designer's Initials: JB One Inch = 40 ft. One Inch = 40ft. North 30" her 2500 single Comparement Fairly Flat ave. 40' amper Dump Station Sor 90 51 De Power merer Post De Noil at Ely = 100' Owner States that padwill Be ConeverePad -> Topofwell (219551) o Grade at Well Elu 96.4' Please show all that apply (Existing or Proposed): Please Draw to Scale with North to Top or Left Side of Page: Disturbed/Compacted Areas Wells within 100ft. Of Drain field. 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 the Deep well Cap & Nail on power meter post Existing 1500 tank grade Elv.= 99.4' Grade at center of new dirt pad Elv. = 101.9' Existing 1500 tank inlet Elv.= 97.5' Grade at NW corner of Big Shed Elv.= 100.5' New tank Grade Elv .= Existing 1500 outlet 97.2' Approx. New Tank Inlet Elv.= Of Page: Existing 750 Tank Inlet 96.7'

Estimated Inlet to the Sather 2500 is Elv.= 96.9'

Aitkin County { Design Notes }

| Property Owner: | Bebo Properties III LLC. | Date: 8/11/2020 | Designer's Initials : | JB |
|------------------|--------------------------|-----------------|-----------------------|----|
| PIN: 18-0-046001 | | Page: | of | |

Owner Proposes Holding tank, reuse existing 1500 2/Compartment tank and a 750 tank. (Existing). (Type III soils in ar

Owner will keep 750 as a camper dump station, install 4" sch 40 pipe to location were campers can dump.

Install an alarm in 750 tank at approx.. 75% capacity or approx. 185 gallon of reserve gallons.

There is a pump control box on the 750 pump tank, if possible installer can reuse it as alarm for holding tank.

Installer will remove existing peat filter pods and Install New Sather 2500 gal tank, same general Area.

Installer will connect the 1500 to the 2500 with Sch 40, 4" pipe. Existing 1500 tank Outlet Elv.= 97.2.

New 2500 tank inlet estimated Elv.= 96.9'

Install alarm in 2500 tank at approx. 75% of tank capacity, this will be approx. 625 gal. reserve capacity.

Install 2 camper / trailer hook-ups in pad, gravity flow to 1500 tank.

Installer will raise manholes and inspection pipes to above grade.

(Recommend 6" above finished grade for winter access).

Raise grade on top of tanks to desired elevation and slope soil so there is not any ponding on top of tanks.

Uff Brown 8-11-2020

Check bury depth of tanks a Sather 2500 Single compartment is approx.. 4ft. of cover soil.

Designer recommends approx. 2 ft. of cover to add ballast to the tanks when they are empty.

Bench Mark Elv. Is the nail on the Power Meter post SE of tanks, BM, Elv. = 100 ft.

Owner will need a Holding Tank Pumping Service Agreement.

If there is a filter in the 1500 gallon tank remove it.

Setbacks are

50 ft. from well

10 ft. from lot line

10 ft. from road easement

10 ft. from structure.

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



MERRIFIELD, MN 56465 (800)829-5755 (218)829-9678 FAX(218)829-4713 satherconcreteproducts@live.com

| SIZE | WIDTH | LENGTH | INLET | OUTLET | GPI |
|--------|-------|--------|-------|--------|-------------------|
| 150 | 48" | ROUND | 35" | 35" | The second second |
| 350 | 60" | ROUND | | 40" | 0.7 |
| 500 | 5'8" | 5'3" | 42" | 42" | 14.13 |
| 600 | 5'8" | 5'3" | 46.5" | 46.5" | 14.13 |
| 800008 | 5'8" | 8'3" | 42" | 42" | 23.43 |
| 1000 | 5'8" | 8'3" | 48" | 46" | 00.10 |
| 1350 | 6' | 11' | 46" | 44" | 33.16 |
| 1500 | 6' | 12' | 44" | 42" | 38.18 |
| | 7' | | 53" | 51" | |
| 2950 | 7' | 14' | 61" | 59" | |

| | COMBINATIO | IN AND COMPARTM | ENTS | |
|----------|------------|-----------------|------|-------------|
| 15005'8" | 12' | 48" | 46" | 23.80/11.81 |
| 16006' | 12' | 49" | 47" | 23.07/14.12 |
| 24507' | 14' | 53** | 51" | 35.70/16.83 |
| 28507' | 14' | 61" | 59" | 35.70/16.83 |

| 3 | -COMPARTMENT | | |
|---------------------------|--------------|-----|-------------------|
| 22507'14' | 49" | 47" | 24.77/10.50/16.79 |
| 2400 special order 7' 14' | 53" | 51" | 24.50/10.28/16.83 |
| 28007'14' | 61" | 59" | 24.50/10.28/16.83 |

2 Compartment Gals.

1500 --- 1024 / 503

1600 --- 1003 / 614

2450 --- 1650 / 800

2850 --- 1960 / 925

3 Compartment Gals.

2250 --- 1065 / 451 / 722

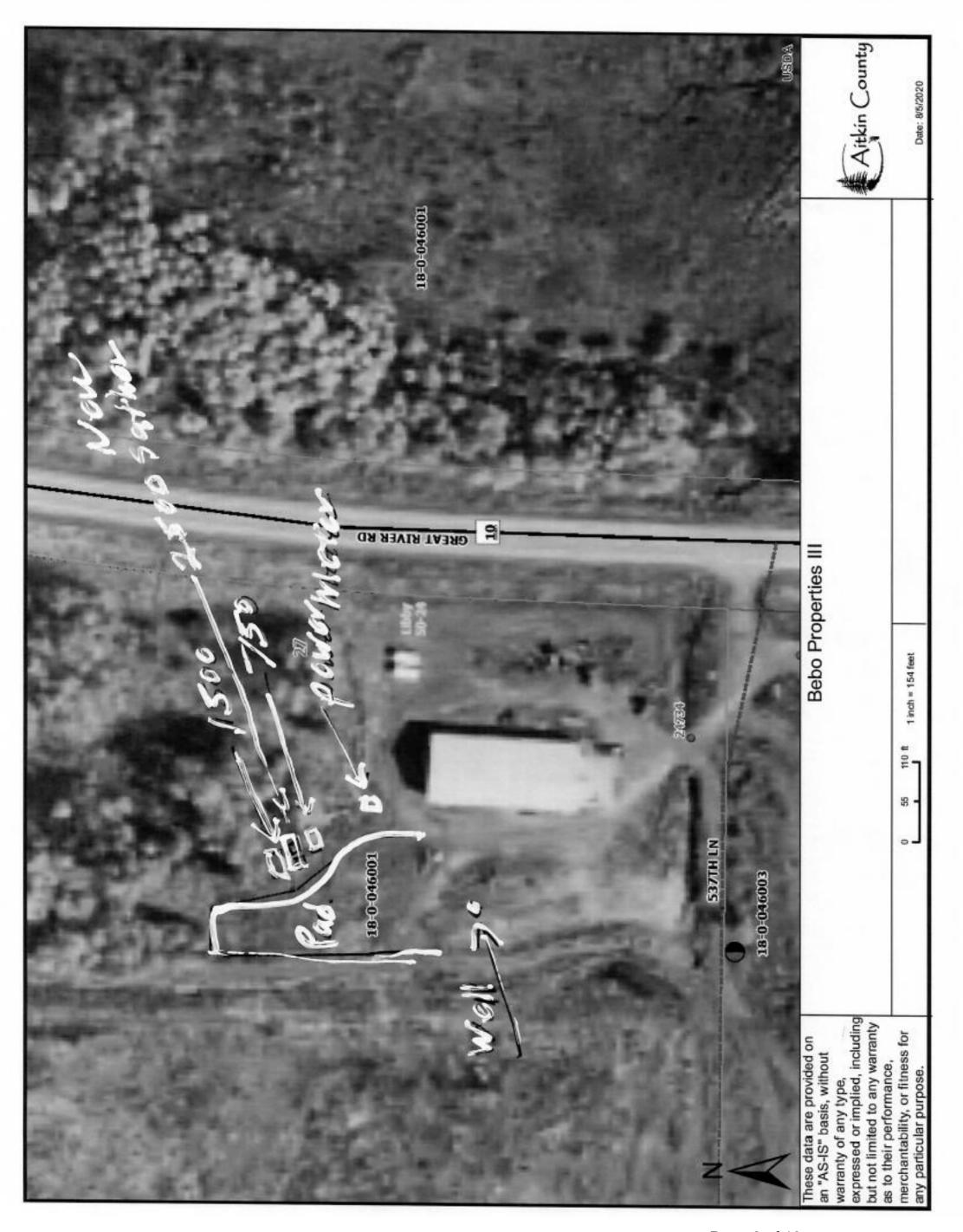
2850 --- 1340 / 565 / 950

Sather Tank Burial Depths

All models are approved by MPCA

| MODEL#\GALLONS | | MAY DEDTU |
|----------------|--------------|-----------|
| MODELFIGALLONG | | MAX DEPTH |
| 150LL | 180 | 8FT |
| 350JL | 356 | 6FT |
| 500EL | 551 | 7FT |
| 600EL | 615 | 7FT |
| 800EL | 914 | 4FT |
| 1000FS | 1111 | 5FT |
| 1000EL/ES/EH | 1019 | 4FT |
| 1000DS/DL/DH | 1059 | 4FT |
| 1350FS | 1376 | 5FT |
| 1500DL/DS/DH | 1508 | 4FT |
| 1500AC/AP | 1002/543 | 5FT |
| 1500BC/BP | 1023/508 | 6FT |
| 1500CC/CP | 1025/504 | 4FT |
| 1600DC/DP | 1004/614 | 4FT |
| 2250GT | 1065/452/722 | 8FT |
| 2450HC/HP | 1651/809 | 5FT |
| 2500HH/HL/HS | 2500 | 5FT |
| 2950HH/HL/HS | 2958 | 5FT |
| 2400IT | 1152/483/791 | 4FT |
| 2450IC/IP | 1678/791 | 4FT |
| 2500IH/IL/IS | 2503 | 4FT |
| 2900IH/IL/IS | 2931 | 4FT |
| 2800IT | 1348/565/926 | 4FT |
| 2850IC/IP | 1964/926 | 4FT |
| | | |

LAST LETTER IN MODEL#
P=PUMP IN LAST COMPARTMENT
C=COMPARTMENT TWO GRAVITY FLOW
S=SEPTIC GRAVITY TANK
L=LIFT PUMP ONLY
T=TWO COMPARTMENT SEPTIC WITH PUMP IN THIRD COMPARTMENT
H=HOLDING TANK



Page 6 of 10



Detailed Parcel Report

Parcel Number: 18-0-046001

General Information

Township/City:

LIBBY TWP

Taxpayer Name:

BEBO PROPERTIES III LLC

Taxpayer Address:

1065 TONKAWA RD

ORONO MN 55356

Property Address:

24734 537TH LN

Township:

50

Lake Number:

0

Range:

24

Lake Name:

Section:

27

Acres:

105.19

Green Acres:

No

School District:

1.00

Plat:

Brief Legal Description:

NW1/4 LESS PT SW NW & SE NW LYING W CO RD 10 EXCEPT N 1 ROD & LESS CO

RD 10 R/W

Tax Information

Class Code 1:

Non-Homestead Qualifying Single Res Unit

Class Code 2:

Rural Vacant Land

Class Code 3:

Unclassified

Homestead:

Non Homestead

Assessment Year:

2020

Estimated Land Value:

\$51,300.00

Estimated Building Value:

\$71,700.00

Estimated Total Value:

\$123,000.00

Prior Year Total Taxable Value:

\$119,200.00

Current Year Net Tax (Specials Not Included):

\$860.00

Total Special Assessments:

\$0.00

**Current Year Balance Not Including Penalty:

\$430.00

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.





Minnesota Well Index

General Information

Unique Well ID:

719551

Well Name:

GILBERTSON, STEVE

Aitkin

Aquifer:

Quat. buried

Well Elevation

1238

Drilled

Range:

225

Well

County:

Date

artes. aquifer

(msl in feet):

50

Depth (ft):

Completed (ft):

225 Drilled: 09/22/2004

Township: Subsection:

BBDDAD

24

Dir:

W

Section:

27

Use:

domestic

Well Status:

Active

Depth To Bedrock:

Driller:

Co.

Thein Well Entry Date:

Update Date: 02/20/2018

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 | Hardne ss | Lith Primar y | Lith Second ary | Interpretation |
|------------------|--------------|--------|-------|--------------|---------------------|-----------------------|----------------------------|
| CLAY | 0 | 17 | BROWN | MEDIU M | CLAY | | clay-brown |
| SAND | 17 | 29 | GRAY | MEDIU M | SAND | | sand-gray |
| SANDY CLAY | 29 | 69 | GRAY | MED- HRD | CLAY | | clay+sand-gray |
| CLAY | 69 | 93 | GRAY | M.HARD | CLAY | | clay-gray |
| SANDY CLAY | 93 | 109 | GRAY | M.HARD | CLAY | | clay+sand-gray |
| ROCK | 109 | 112 | | HARD | BLDR | | boulder or boulders |
| ROCKY SANDY CLAY | 112 | 117 | GRAY | MED- HRD | CLAY | COBL | pebbly sand/silt/clay-gray |
| ROCKY SAND | 117 | 125 | GRAY | MEDIU M | SAND | | sand +larger-gray |
| ROCKY SANDY CLAY | 125 | 140 | GRAY | HARD | CLAY | COBL | pebbly sand/silt/clay-gray |
| ROCK | 140 | 167 | BLACK | HARD | BLDR | | boulder or boulders-black |
| ROCKY SAND | 167 | 169 | GRAY | MEDIU M | SAND | | sand +larger-gray |
| ROCKY CLAY | 169 | 204 | GRAY | HARD | CLAY | | pebbly sand/silt/clay-gray |
| SAND | 204 | 225 | GRAY | | SAND | | sand-gray |



INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM AITKIN COUNTY, MINNESOTA

| plect Address NW/NW /uno West | of Hwy 10 Installer Tyout |
|--|---|
| | ' / |
| Zip Code | New Repair |
| | DIST. or DROP BOX & TYPE |
| TBACKS: | TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD: |
| Ildings to tank(s) 20 | _ Trench depth |
| idings to drainfield 60 | Trench length |
| ell(s) 50' or 100' /00' | Trench bottom width |
| G Ci Cox 17 com io | Trench bottom level |
| PTIC TANKS: 1500 Cambo | Trench spacing Drainfield rock below pipe |
| nufacturer & type Cho has pre-cost | Size of gravelless pipe |
| pe of baffle Plastic | Depth of backfill |
| spection pipes 4 - 6" | Absorption area: square feet |
| anholes access | lineal feet |
| o. & height of risers 1 3" | |
| OUNDS: | PUMPS: |
| ercent slope | Tank capacity 50 750 / 50 6 could |
| pslope dike width | Tank manufacturer & type Culus Pre- cast |
| ownslope dike width _/ 4' | No. & height of risers 24" |
| deslope dike width | Pump manufacturer & model# State 4 Zellor |
| rainfield rock below pipe 9" | Horsepower & GPM_#/ce |
| epth of sand below rock 34 1 | Feet of head 8 Cycles per day Time 0 0 05 e0 5 |
| erforation size & spacing /4 ~ 3 | Cycles per day 7 renew 005 et/ |
| ope size & spacing 172 - 3 /afflorats | Gallons per cycle |
| | Type of electrical hookup p - 5 |
| inal cover 16" in Out 12'on Kork Ele | E Type & location of alarm Zece, |
| / | Cycle counter (commercial) |
| RAWING OF SYSTEM | |
| Dep well | |
| and " | |
| AU | |
| Tiler 1. | |
| House | 4.0 |
| | 1500 combo |
| land' | |
| | |
| Age His | |
| THE STATE OF THE S | |
| THE REAL PROPERTY. | ads on the |
| The second | ods pitur |
| The second secon | |
| The second | |
| A CONTRACTOR OF PARTY | |
| The second secon | |
| nspector's Comments | E" trassel |