

Aitkin County Tank Replacment Design

Property Owner: Michael Patnode Date: 6/27/2019 Cell: 218-330-9629
Mailing Address: 43492 State Hwy 210 Home Phone #: _____
City: Aitkin State: MN Zip: 56431
Site Address: 42929 255th Ln Parcel Number: 11-0-037602
City: Aitkin State: MN Zip: 56431
Driving Directions if no address issued : _____

Legal Description : 350ft. X 375 ft. of NW SW
Sec : 15 Twp.: 45 Range : 27 Twp. Name : Hazelton
Lake / River : NA Lake / River Classification : Select One

FLOW DATA
Number of Bedrooms : 4
Dwelling Classification : I
System Type : I
Gallons per Day (GPD) : 600

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 : +80' Drainfield to Well : +100' Existing Sewer Line to Well : 25
Tank(s) to House : 60' Drainfield to House : +80' Air Test NO
Tank(s) to Property Line : +10' Drainfield to Property Line : +20'

Additional System Notes and Information: Existing Septic tank is cracked

This is a design for tank replacement only ALL Information about drainfield is from prior compliance inspections.
Owner states he only needs Tank Replacement design, drainfield is compliant.
Install Jacobson 1650 2 compartment tank (lift in basement)

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: 6/27/2019
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Aitkin County { Design Notes }

Property Owner: Michael Patnode Date: 6/27/2019 Designer's Initials : JB
PIN : 11-0-037602 Page : of

Owner Proposes Replacing septic tank only, reuse existing gravity bed drainfield. .
Existing Gravity bed has at least 2 passing soils according to last compliance inspection.
Bench Mark Elv. Is the top of the Deep Well cap South side of house. Elv. = 100 ft.
Existing tank to be pumped, collapsed, filled or removed. Abandon tank.
Install new 1650 2 compartment tank 20 ft. closer to the house, approx. 17' from private road.
Install reverse clean-out at junction of existing 4" pipe,(Install so sweep is toward house)
Use only sch 40, 4" sewer pipe to connect to existing sewer pipe and drainfield pipe.
Install to make sure all gaps that are filled get compacted, around new tank and crossing old tank area.
Install all tank manholes and inspection pipes to above finished grade, (recommend 4" above) .
Final grade over tank shall be higher than surrounding area as to shed run off .

- Septic Tank Setbacks are
- 50 ft. from well
 - 10 ft. from lot line
 - 10 ft. from road easement
 - 10 ft. from structure.

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

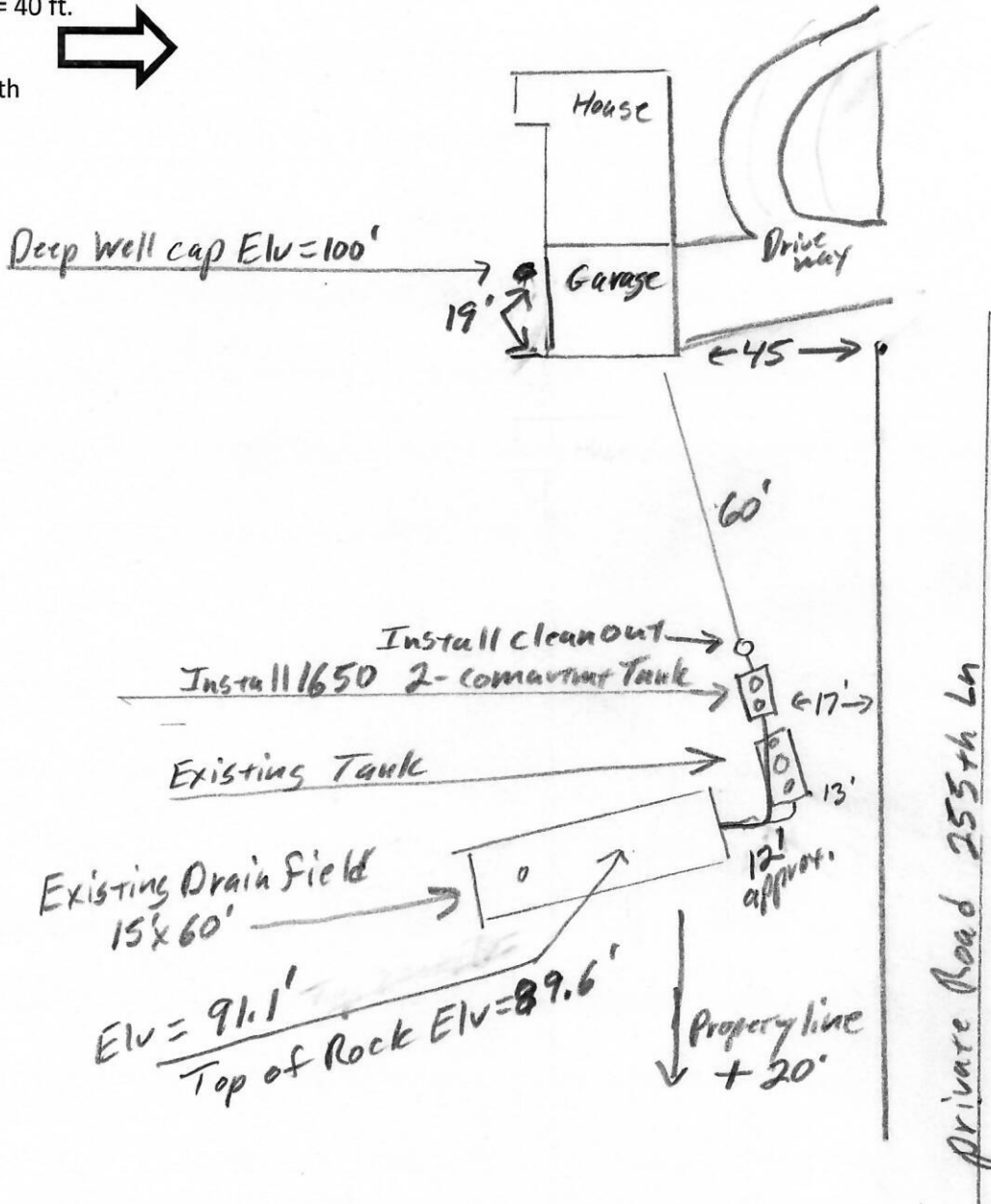
Designer Talked to Hazleton Twp. Supervisor Dan Bobsen about 255th Ln., it is a private road (6/27/2019).

Aitkin County { Holding Tank Design }

Property Owner: Michael Patnode Date: 6/27/2019 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' Top of Deep Well Cap

Grade at NE corner of Garage Elv. = 98.3'

Elv. Of sewer pipe at garage. Approx. Elv. 97'

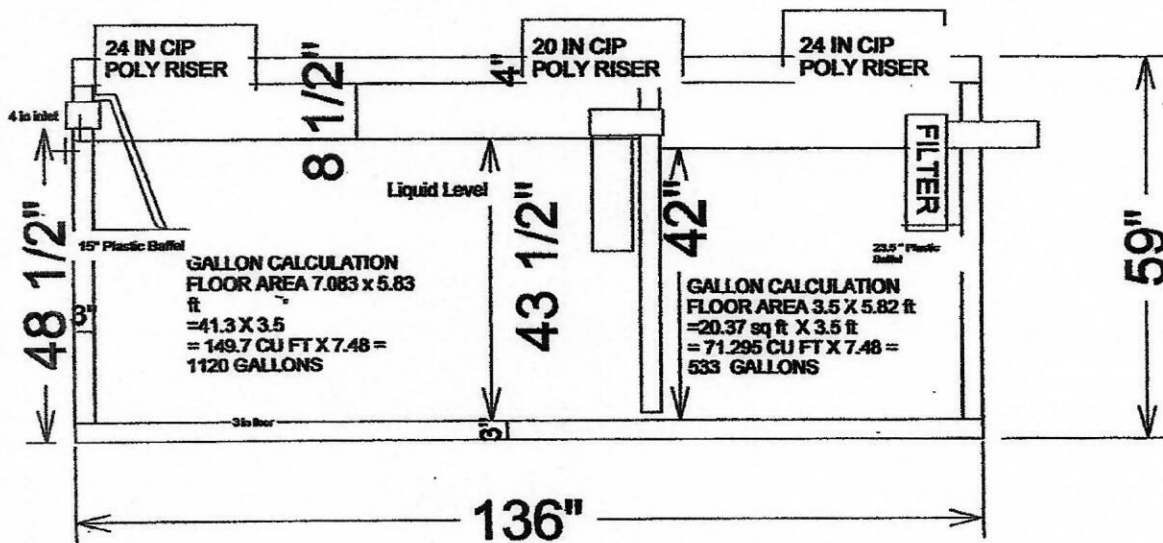
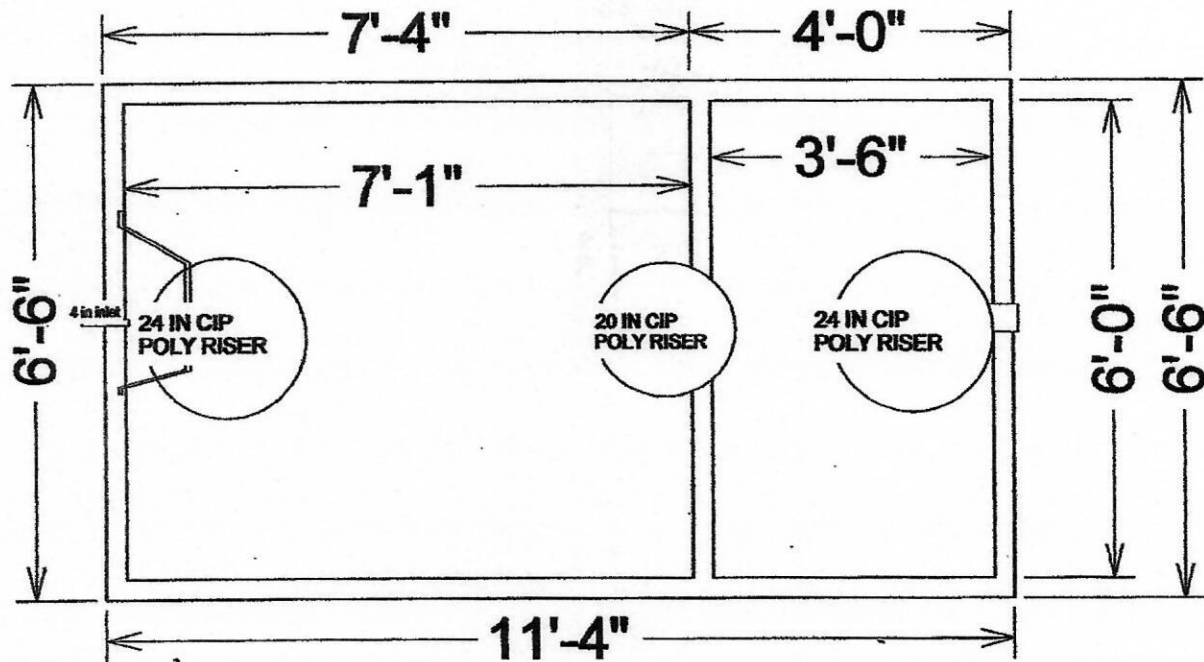
Tank Inlet Elev. 92.5 Approx New Tank _____ Grade at New Tank Location Elv. = 94

Existng Grade at tank location Elv. = 92'

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1650 Gallon 2 Compartment Septic Tank

TOP VIEW



SIDE VIEW

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

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



Detailed Parcel Report

Parcel Number: 11-0-037602

General Information

Township/City: HAZELTON TWP
Taxpayer Name: PATNODE, MICHAEL R & GRETCHEN K
Taxpayer Address: 43492 STATE HWY210
AITKIN MN 56431
Property Address: 42929 255th Ln
Township: 45 **Lake Number:** 0
Range: 27 **Lake Name:**
Section: 15 **Acres:** 3.01
Green Acres: No **School District:** 1.00
Plat:
Brief Legal Description: 350 FT X 375 FT OF NW SW

Tax Information

Class Code 1: Non-Homestead Qualifying Single Res Unit
Class Code 2: Unclassified
Class Code 3: Unclassified
Homestead: Non Homestead
Assessment Year: 2019

Estimated Land Value: \$29,500.00
Estimated Building Value: \$112,900.00
Estimated Total Value: \$142,400.00
Prior Year Total Taxable Value: \$110,346.00
Current Year Net Tax (Specials Not Included): \$606.00
Total Special Assessments: \$0.00
****Current Year Balance Not Including Penalty:** \$303.00
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.**