

## Aitkin County Septic Tank / Camper Dump station Design

Property Owner: Nathan Wilaby Date: 5/7/2020 Cell: 612-386-0591  
 Mailing Address: 18614 Trott Brook Pkwy NW Home Phone #: \_\_\_\_\_  
 City: Elk River State: MN Zip: 55330  
 Site Address: 44540 276th LN. Parcel Number: 11-1-124600  
 City: Aitkin State: MN Zip: 56431  
 Driving Directions if no address issued : \_\_\_\_\_

Legal Description : Lot 3 Blk 1 Boggs Addition  
 Sec : 5 Twp. : 45 Range : 27 Twp. Name : Hazelton  
 Lake / River : Farm Island Lake / River Classification : RD

### FLOW DATA

Number of Bedrooms : 0 Camper Dump Station  
 Dwelling Classification : I  
 System Type : I  
 Gallons per Day ( GPD ) : \_\_\_\_\_

### 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 : 102' Drainfield to Well : +100' Sewer Line to Well : +100'  
 Tank(s) to House : 44' Drainfield to House : +50' Air Test NO  
 Tank(s) to Property Line : +50' Drainfield to Property Line : +30'

### Additional System Notes and Information:

Adding a Camper Dump Station to an Existing drainfield. Connecting to the inlet end of septic Tank  
 Gravity flow from camper to septic tank, summer use  
 Existing septic tank is a 1250 gallon single compartment tank info from install records

Designer Name : Jeff Brummer License Number : L-1347  
 Address : 7450 Burr Ln. City : Brainerd State : MN  
 Code : 56401 Home Phone # : \_\_\_\_\_ Cell : 218-821-0704  
 Email Address : brummerseptic@gmail.com

Designer Signature : \_\_\_\_\_

Aitkin County { Design Notes }

Property Owner: Nathan Wilaby Date: 5/7/2020 Designer's Initials: JB  
PIN: 11-1-124600 Page:      of     

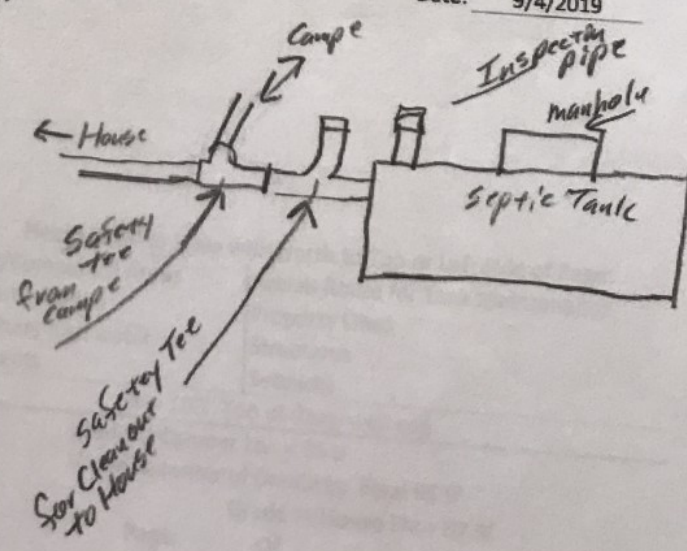
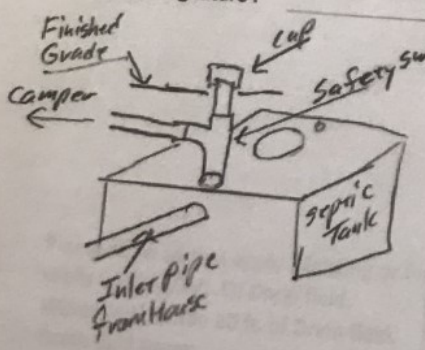
- Owner proposes Camper Dump Station for seasonal use.
- Will tie into existing septic tank.
- Install can connect to inlet inspection pipe port in top of tank with safety sweep 90 4" pipe.
- If installed in inspection pipe port, raise inspection pipe to above surface with screw on cap.
- If installer needs more room for slope they can tie into the existing 4" inlet pipe with 90 safety sweep
- If installed in to existing sewer inlet pipe, install a cleanout near junction that runs with existing pipe back to house.
- Install dump station near camper to above grade. Install with option of screw on cap when not in use.
- Install with 4" SCH 40 PVC pipe all the way to the tank. Install with gravity flow to tank.
- Install under driveway, backfill and compact through driveway. Mark both end were pipe crosses driveway.

Owner should install protection around camper dump station.

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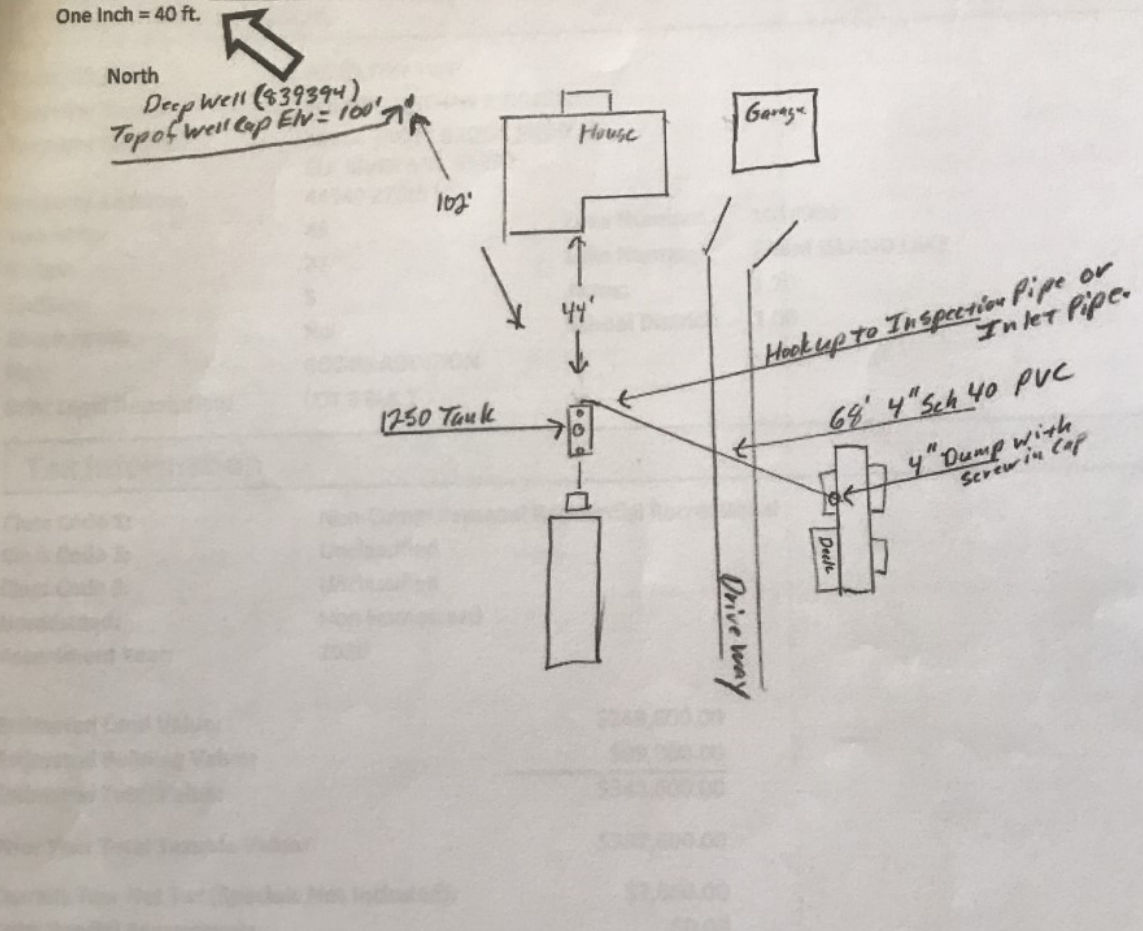
Designer Signature : Jeff Brummer

Date: 9/4/2019



**Aitkin County { Holding Tank Design }**

Property Owner: Nathan Wilaby Date: 5/7/2020 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.       | 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                          |

<b>Elevations :</b> Benchmark Elevation:	Elv.= 100' Top of Deep well cap
Existing tank grade Elv.= 95.1'	Grade at Camper Elv. = 95.8'
Existing tank inlet Elv.= 93.2' top of pipe	Grade at center of Driveway Elv.= 95.9'
Existing tank Cover at inlet Elv.= 93.9"	Grade at House Elv.= 97.9'

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