

# Preliminary & Field Evaluation Form

www.SepticResource.com vers 12.4

## Owner Information

Date 5/1/2024 Sec / Twp / Rng 2 48 24  
 Parcel ID 14-0-004000 LUG (county, city, township) Aitkin county planning  
 Property Owner: Shirley Jo Baribeau Owners address (if different)  
 Property Address: 23320 450th. St. 13116 Jay St. N.W.  
 City / State / Zip: McGregor, MN. 55760 Coon Rapids, MN. 55448

## Flow Information and Waste Type / Strength

Estimated Design flow 300 Anticipated Waste strength  Hi Strength  Domestic  
 Comments: Any Non-Domestic Waste  Yes (class V)  No  
 Sewage ejector/grinder pump  Yes  No  
 Water softener  Yes  No  
 Garbage Disposal  Yes  No  
 Daycare / In home business  Yes  No

## Site Information

Existing & proposed lot improvements located (see site map)  Yes  No Well casing depth to be drilled deep  
 Easements on lot located (see site map)  Yes  No Drainfield w/in 100' of residential well  Yes  No  
 Property lines determined (see site map)  Yes  No Site w/in 200' of transient noncommunity water supply (TNCWS)  Yes  No  
 Req'd setbacks determined (see site map)  Yes  No Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)  Yes  No  
 Utilities located & identified (gopher state one call)  Yes  No Buried water supply pipe w/in 50' of system  Yes  No  
 Access for system maintenance (shown on site map)  Yes  No Site located in Shoreland (w/in 1000' of lake, 300' of river)  Yes  No  
 Soil treatment area protected  Yes  No Site map prepared with previous items included  Yes  No

Construction related issues \_\_\_\_\_  
 \_\_\_\_\_

### Soil Information

**Evidence of site:**

- |           |   |  |
|-----------|---|--|
| Cut       | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No |
| Filled    | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Compacted | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Disturbed | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            |

Original soils  Yes  No

Soil logs completed and attached  Yes  No

Perk test completed and attached (if applicable)  Yes  No

Soil loading rate (gpd/ft<sup>2</sup>) \_\_\_\_\_

Percolation rate (if applicable) \_\_\_\_\_

Depth/elev to SHWT \_\_\_\_\_

Flooding or run-on potential  Yes  No  
(comments)

Depth to system bottom maximum (or elev minimum) \_\_\_\_\_

Flood elevation (if applicable) \_\_\_\_\_

Depth/elev to standing water (if applicable) \_\_\_\_\_

Elevation of ordinary high water level (if applicable) \_\_\_\_\_

Depth/elev to bedrock (if applicable) \_\_\_\_\_


Floodplain designation and elev - 100 yr/10 yr (if applicable) \_\_\_\_\_

Soil Survey information determined (see attachment)  Yes  No

Differences between soil survey and field evaluation (if applicable) \_\_\_\_\_  
\_\_\_\_\_

*I hereby certify this evaluation was completed in accordance with MN 7080 and any local req's.*

Jarold R. Farley  
Designer Signature



Farley Sewer Systems  
Company

L-1919  
License #

# Holding tank Design

Property Owner: Shirley Jo Baribeau Date: 5/1/2024

Site Address: 23320 450th. St. PID: 14-0-004000

Comments: \_\_\_\_\_

instructions:  = site specific input  = adjust if desired  = self-calculated (DO NOT ADJUST)

1)  2 bedroom Type  II Residential System

2)  300 GPD design flow

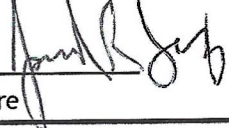
No Lift station to holding tank (lift basket < 100 gal treat as sewer line, > 100 gal treat as tank)

3)  1500 Gallon Holding tank (minimum) at  34.80 gpi

4)  32 inches from bottom of tank to "Hi Level" float (75% full when alarm activates)

5)  375 gallons reserve capacity (after High Level Alarm is activated)

*I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.*

Jarold R. Farley		Farley Sewer Systems	L-1919	5/1/2024
Designer Signature		Company	License#	Date

## INSPECTOR CHECK LIST - Holding Tank

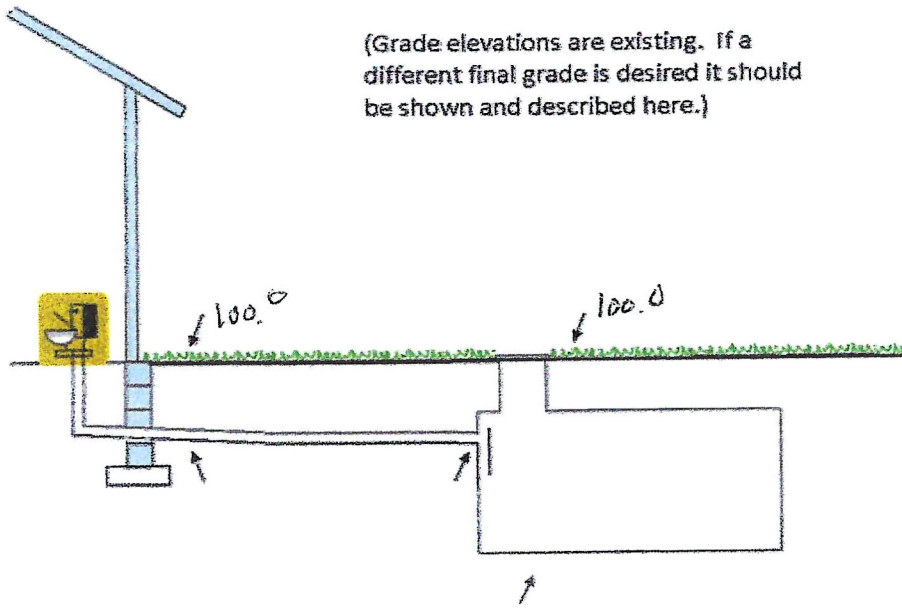
23320 450th. St.

- WELL setbacks: 20'-50' to sewer line req's MDH pressure test form (5 psi for 15 min)  
50' to everything
- PROPERTY LINES setback: 10' to everything
- Road setback: platted : 10' prop line. Metes & bounds : out of road easement, or outer ditch
- LAKE / BLUFF setback: 20' for bluff. Lakes: GD \_\_\_\_, RD \_\_\_\_, NE \_\_\_\_\_. Protected wetland \_\_\_\_.
- Building setbacks: 10' for everything.
- WATER LINE under pressure 10' to tank & sewer line. (else sewer line > 12" below)
  
- Sewer line & tank connection (no hard 90's, long sweep 90 or 2- 45's, slope minimum 1" in 8' = 1% )  
(no depth req's, clean out every 100', Sch 40 pipe)
- No Lift station to Holding tank (lift basket < 100 gallons treat as sewer line, >100 gal treat as tank)
  
- Holding tank and risers (water tight risers, insulated, proper depth, existing verified by pumping)  
mfg \_\_\_\_\_ 1500 gallons
  
- Riser within 12" of grade, 6"+ access pipe to grade.
  
- High Level Alarm (set at 75% capacity) (electrical or mechanical) 32 inches from bottom of tank
  
- Water tight testing form
  
- Re-use existing tank certification
- Abandon existing system if necessary
- monitoring plan and type \_\_\_\_\_
- well abandonment form if necessary

### System Elevations

100.0 benchmark Top of stump by tank

(Grade elevations are existing. If a different final grade is desired it should be shown and described here.)



Sewer pipe  
exiting house  
100.0 Grade  
99.5 Pipe

Holding Tank  
100.0 Grade  
98.5 inlet  
94.5 Tank bottom

# FARLEY SEWER SYSTEMS

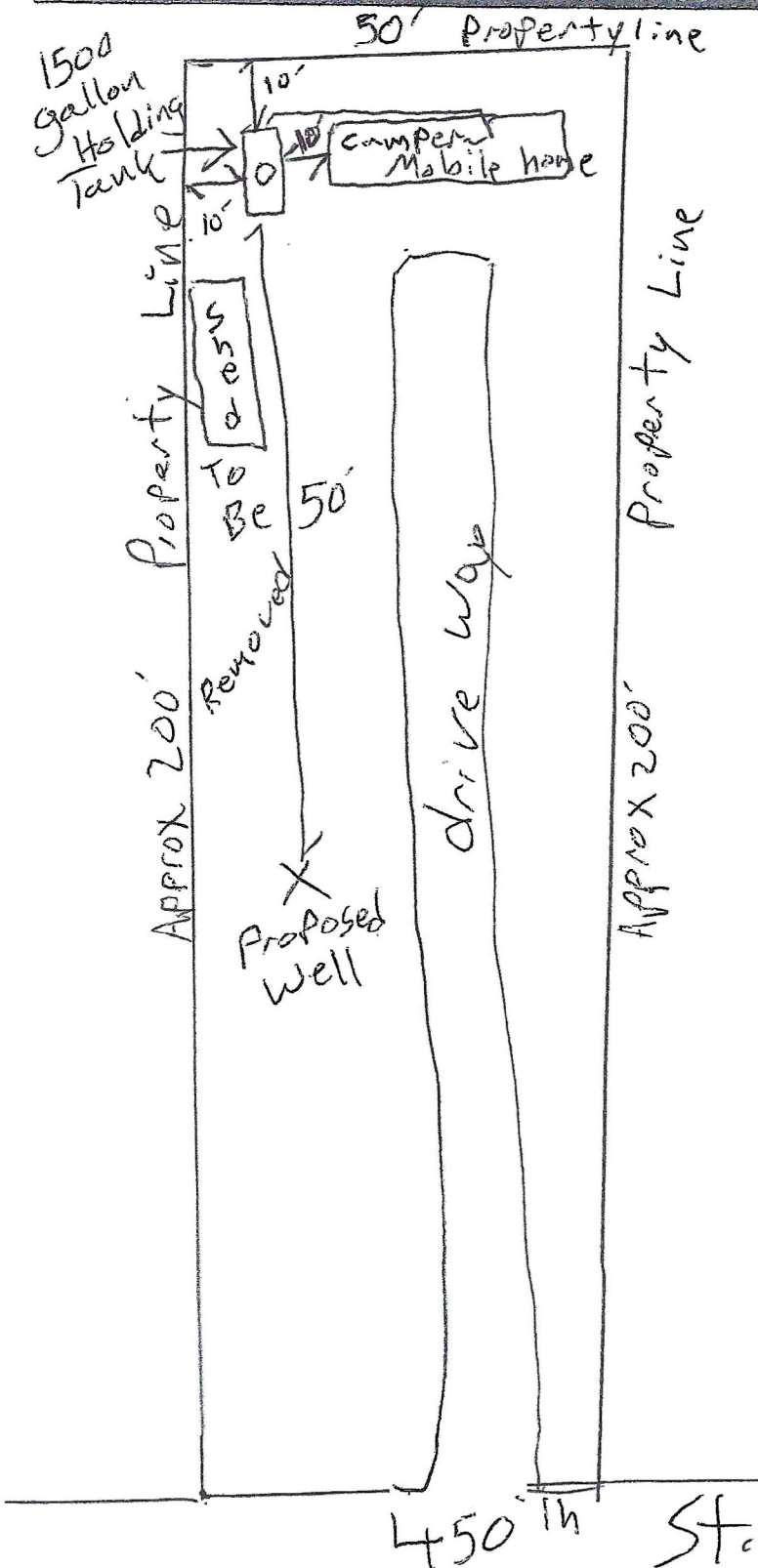
SEWER DESIGN & INSTALLATION

JAROLD R. FARLEY

P.O. Box 472  
McGregor, MN 55760

Bus. Lic. No. L1919  
Reg. No. 4744

218-839-4737 cell



# Owners Septic System Management Plan

Date: 5/1/2024

Property Address: 23320 450th. St.

Septic Systems can be an expensive investment, good maintenance will ensure they last a lifetime. Your septic design lists all the components of your system and their location. Keep the design, this management plan and the UofM "Septic System Owners Guide" in a safe place for future reference. For a copy of the Owners guide call the University of MN at 1-800-876-8636.

Some of the following tasks you can do yourself, some require a professional, but is it YOUR responsibility to see that it gets done.

## Homeowner Tasks

- Do your best to conserve water.
- Fix household leaks promptly (leaky toilet, dripping faucets).
- Limit bleach and anti-bacterial products. Use Biodegradable dishwasher detergent.
- If a septic alarm goes off, call your septic professional to diagnose the problem.
- Notify the County/City/Township when this management plan is not being met.
- Plan ahead to have your septic pumper empty the Holding tank before it overflows.

## Professional Tasks

- Respond to alarms and diagnose problems as needed.
- Respond to pumping calls promptly, and ensure the tank is in proper working order.
- Review water use with the owner.

*"As the owner, I understand it is my responsibility to properly operate and maintain this septic system".*

Property Owner Signature: Shirley Jo Baribaa

Date 5/1/2024

