

Preliminary & Field Evaluation Form

www.SepticResource.com - vers 12.4

Owner Information

Date: 6/3/2022 Sec / Twp / Rng: S 3 T 49 R 23
 Parcel ID: 29-1-352200 LUG (county, city, township): Atkin County
 Property Owner: Thomas Cady Owners address (if different):
 Property Address: 51271 190th Pl 103 Chevy Chase Dr.
 City / State / Zip: McGregor, MN 55760 Wayzata, MN 55391

Flow Information and Waste Type / Strength

Estimated Design flow: 300 Anticipated Waste strength: HI Strength Domestic
 Comments: Seasonal cabin. 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: low well to be drilled
 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: No room for treatment area due to setbacks from wells, property lines and lake.

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Owner Information

Date	<u>6/3/2022</u>	Sec / Twp / Rng	<u>S 3 T 49 R 23</u>
Parcel ID	<u>29-1-352200</u>	LUG (county, city, township)	<u>Aitkin County</u>
Property Owner	<u>Thomas Cady</u>	Owners address (if different)	<u>103 Chevy Chase Dr.</u>
Property Address	<u>51271 190th Pl</u>		<u>Wayzata, MN 55391</u>
City / State / Zip	<u>McGregor, MN 55760</u>		

Flow Information and Waste Type / Strength

Estimated Design flow	<u>300</u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength	<input checked="" type="checkbox"/> Domestic
Comments: <u>Seasonal cabin.</u>		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V)	<input checked="" type="checkbox"/> No
		Sewage ejector/grinder pump	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Water softener	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Site Information

Existing & proposed lot improvements located (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Well casing depth	<u>low well to be drilled</u>
Easements on lot located (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Drainfield w/in 100' of residential well	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Property lines determined (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Access for system maintenance (shown on site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Soil treatment area protected	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site map prepared with previous items included	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction related issues	<u>No room for treatment area due to setbacks from wells, property lines and lake.</u>			

Soil Information

		Evidence of site:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Cut	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Filled	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Compacted	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		Disturbed	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Original soils	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Soil logs completed and attached	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Perk test completed and attached (if applicable)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Soil loading rate (gpd/ft ²)	_____	Percolation rate (if applicable)	_____	
Depth/elev to SHWT	_____	Flooding or run-on potential (comments)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

Roger Hood
Designer Signature

R.H. Inspection & Design
Company

3847
License #

Soil Information

		Evidence of site:			
		Cut	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
		Filled	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
		Compacted	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
		Disturbed	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Original soils	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Soil logs completed and attached	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Perk test completed and attached (if applicable)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Soil loading rate (gpd/ft ²)	_____	Percolation rate (if applicable)	_____		
Depth/elev to SHWT	_____	Flooding or run-on potential (comments)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
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)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

Rogan Hurd
Designer Signature

R.H. Inspection & Design
Company

3847
License #

Holding tank Design

Property Owner: Thomas Cady

Date: 6/3/2022

Site Address: 51271 190th Pl.

PID: 29-1-352200

Comments: _____

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

1) 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) 1820 Gallon Holding tank (minimum) at 15.80 gpi

4) 86 inches from bottom of tank to "Hi Level" float (75% full when alarm activates)

5) 455 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.

Rogan Howard
Designer Signature

R.H. Inspection & Design
Company

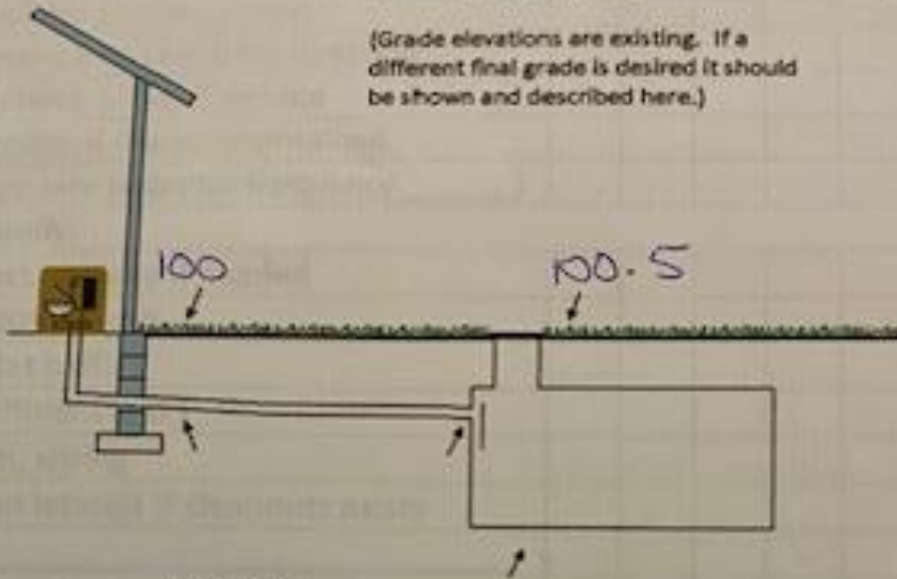
3847
License#

6/3/2022
Date

System Elevations

_____ benchmark _____

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



Sewer pipe
exiting house

_____ Grade

_____ Pipe

Holding Tank

_____ Grade

_____ Inlet

_____ Tank bottom

INSPECTOR CHECK LIST - Holding Tank

51271 190th Pl.

- WELL setback: 20' to pressure tested sewer line (5 psi for 15 min)
50' to everything
- PROPERTY LINES setback: 10' to everything
- Road setback: outer ditch, or 33' from center of township road, or 65' from center of cnty road
- LAKE / BLUFF setback: 20' for bluff. Lakes: GO ____, RD ____, NE ____. Protected wetland ____
- Building setbacks: 10' for everything.
- WATER LINE under pressure or 10' to tank & sewer line. (else sewer line + 12" below)

- Sewer line & baffle connection (no 90's, 3' between 45's, slope min 1" in 8', max 2" in 8')
(no depth req's, clean out every 100', Sch 40 D2665 or F891)
- 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, insulated, proper depth, existing verified by pumping)
mfg. Jacobson 1820 gallons

- Riser within 12" of grade, 6"+ access pipe to grade.
- High Level Alarm (set at 75% capacity) (electrical or mechanical) 86 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