



Septic As-Built and Inspection Form

This is your Certificate of Compliance

Compliant Noncompliant

Date of Installation: 6/3/24 Permit #Z-2024-3512 Parcel # 14.0261.000
 Property Owner: Lauer, Amy Property Address: 41142 53rd St, Foley

GENERAL

System Type: I II III IV V
 Design flow: 300
 New system Replacement system
 Shoreland yes no
 Food/Lodging/Commercial yes no

TANK(S)

Holding Tank(s) only yes no
Tank 1 New Existing
 Make: B+W Size: 1500/2 comp
 Depth: 24" Insulated yes no
Tank 2 New Existing
 Make: _____ Size: _____
 Depth: _____ Insulated yes no
Tank 3 New Existing
 Make: _____ Size: _____
 Depth: _____ Insulated yes no

PUMP

Brand & Size: Liberty 283 1/2 HP
 Demand Dose Time Dose
 Alarm Type: Electric Manual
 Alarm Location: Indoor Outdoor

For Office Use Only:
 Excel Attach Docs Upload
 Date on parcel Deliver
 Initials HK Date 6/3/24

SOIL TREATMENT AREA

Existing soil treatment area
 Holding tank only
 Vac test Water test by installer
 Pressurized System
 Gravity System
 Trenches Chambers At-Grade
 Mound Seepage Bed

Dimensions of rock bed/trenches/chambers:
10x25
 # Laterals: 3 Pipe Diameter: 1.5"
 Perf size: 1/4" Perf Spacing: 3'
 Number of cleanouts: 3
 Inspection pipe(s): Secured Clear of Rock
 Media bottom depth: el 103.25
 Restrictive layer depth: el 97.5
 ≥ 3' Separation? Yes No

MATERIALS

Total Rock Depth: 10"
 Rock Depth Below Pipe: 6"
 Rock source: letner
 Clean sand depth ("sandlift"): 18"
 Sand source: letner
 Depth of cover: 18"
 Seeding by: Property Owner Installer

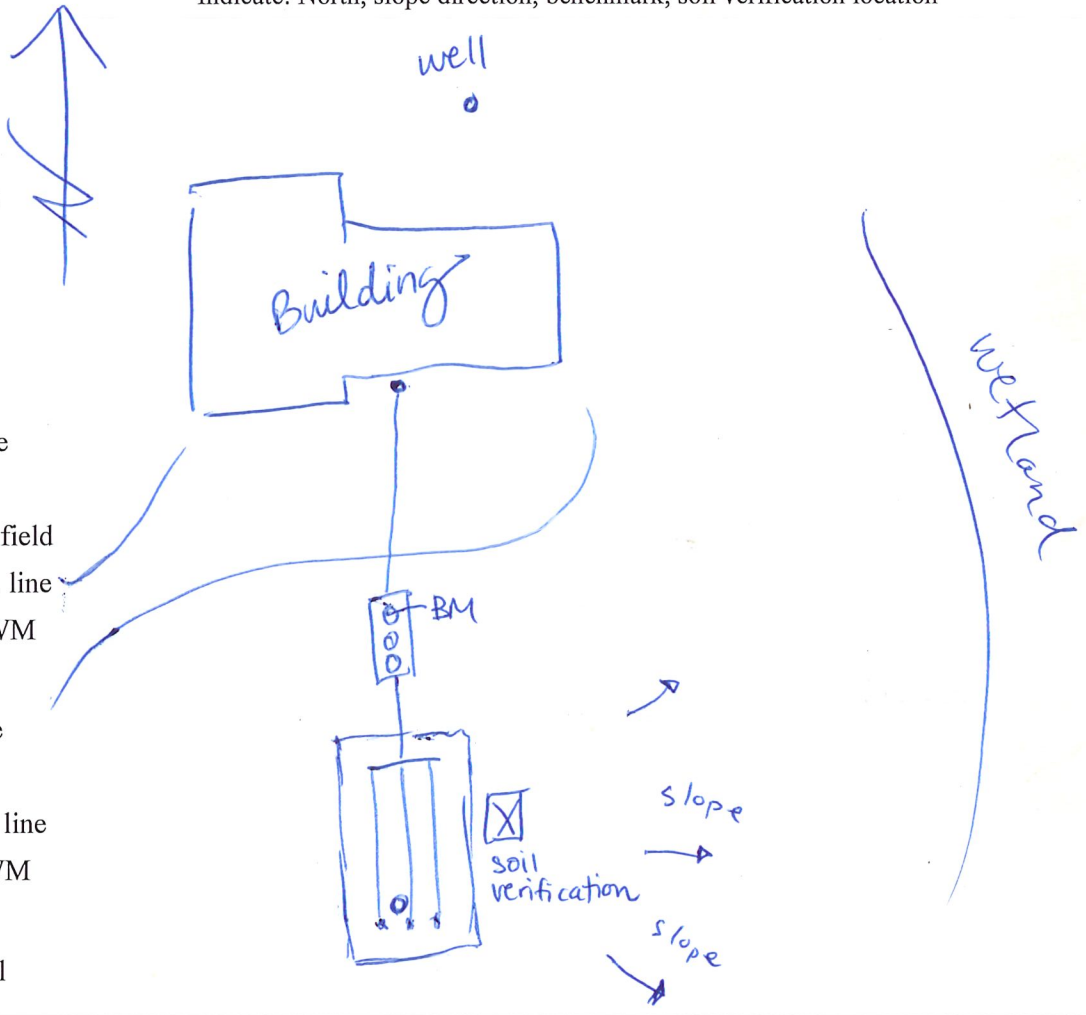
Elevations

Benchmark Location: Top of flange inside N riser Benchmark Elevation: 100'
 Bottom of media: 103.25 Restrictive Layer: 975 System Separation: 5.75'

Site Sketch

*Indicate: North, slope direction, benchmark, soil verification location

- 50 Tank to house
- 136' Tank to well
- Tank to pump tank
- 25 Tank to drainfield
- Tank to prop. line
- Tank to OHWM
- Pump tank to house
- Pump tank to well
- Pump tank to drainfield
- Pump tank to prop. line
- Pump tank to OHWM
- 91 Drainfield to house
- 175' Drainfield to well
- Drainfield to prop. line
- Drainfield to OHWM
- 90' Supply pipe to well



Notes:

Installer: Johnson Septic Systems [Signature] 1023
Company Name Signature License #
 Inspector: Hannah Kruse [Signature] 10218'
Print Name Signature Cert #

CERTIFIED STATEMENT: The work done on this system has been completed in accordance with the design submitted with this permit and MN Rule 7080 requirements. Morrison County waives all responsibility of future hydraulics because of abuse, water use, or maintenance. System compliance is valid for five years from date of inspection on new system components.

Additional Documentation (attach as applicable)

- Tank Sheet(s)
- Pressure Test
- Abandonment Form
- Soil Log
- Vac test
- Other

Picking List by Order

Order Number: SO-179274
Order Date: 5/31/2024
Customer No: C6291

Delivery Date: Monday
6/3/2024

Sold To:
Johnson Septic Systems & Excavating Inc
8291 - 140th Street
Milaca, MN 56353

Ship To:
Johnson Septic Systems & Excavating Inc
41142 53 street
9:30
foley, MN 56353

Item No.	Description	UofM	Qty
1500 2C - F	7' Max Depth / Capacity: 1005/504	EACH	1.00 ✓
DATE OF MFG	Date of Mfg: <u>5/23/24</u>	EACH	1.00
SIGN	Sign & Date: <u>5/3</u>	EACH	1.00
DRIVER	Driver Name: <u>Tom O'Neil</u>	EACH	1.00
HOLE CONDITION	Hole Condition: <u>SAND / Good</u>	EACH	1.00
SUPPLIES	Supplies Below:	EACH	1.00

APL ✓
2 ROLLS ✓

BROWN-WILBERT TANK INSTALLATION INSTRUCTIONS

SITE CONDITIONS

The site must be accessible to large heavy trucks. Be free of items like trees, stumps, overhead wires, and buildings that could interfere with delivery or installation. The trucks must be able to be within three to six feet of placement of excavation.

EXCAVATION

Excavation should be approximately 12" minimum larger than the tank size to allow for adequate back fill; this may vary with soil conditions. Excavation shall have a level bottom, so the weight bears on the outside walls of the tank.

BEDDING

Proper use of bedding materials is important to ensure service life of the tank structure. Bedding must be capable of bearing the weight of the tank. Bedding material shall have the ability of 100% to be able to pass through a $\frac{3}{4}$ " screen. Bedding thickness shall be 4" minimum compacted (thickness may vary with existing soil conditions).

JOINT SEAL

Joint surfaces must be clean and proper placement of sealant according to manufacturer recommendations.

WATER TABLE

Tanks being placed where water levels can potentially be higher than the elevation of the tank cover must be brought to the attention of Brown-Wilbert, Inc. Either an alternative location should be considered, or waterproof coating applied to the tank.

BACKFILL MATERIAL

Sidewalls of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and have a minimum of 12" on all sides from bottom to top of tank. Backfill material shall be placed in a manner to avoid impact loads on the sidewall of tank.

COVER MATERIAL

The cover material shall be dry soil, sand or gravel and have the ability of 100% to be able to pass through a 4" screen. Cover material shall be mounded over tank and around risers to direct run-off away from both.

INLET & OUTLET

Pipe not to exceed 1" past interior wall of tank where a baffle is used.

BURIAL DEPTH

Tanks not to exceed the maximum burial depth of each model's specifications. (See chart below)

Soil Observation Log

Owner Information	
Property Owner / project:	<u>Tom and Amy Lorentz</u> Date <u>3/15/2024</u>
Property Address / PID:	<u>41142 53rd Street, Foley, Mn</u>

Soil Survey Information		<input type="checkbox"/> refer to attached soil survey
Parent matl's:	<input type="checkbox"/> Till <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Alluvium <input type="checkbox"/> Organic <input type="checkbox"/> Bedrock	
landscape position:	<input checked="" type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Side slope <input type="checkbox"/> Toe slope	
soil survey map units:	<u>454C</u> slope <u>1</u> % direction- <u>downhill</u>	

Soil Log #1							
		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation <u>100</u>	Depth to SHWT <u>98.5</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Sandy Loam	<35 10	10yr 3-2		Friable	Moderate	Granular
6-18	Loamy Sand	<35 15	10yr 4-4		Friable	Loose	Blocky
18-21	Loamy Sand	<35 15	10yr 4-4	7.5yr 4-6	Friable	Loose	Blocky
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
Comments: Redox at 18"							

* Soil verified at time of inspection on ~~date~~ 6/3/2024 (sunny).
 Soils match this soil log that was a part of the
 system design, with more accurate rock % estimates.
 Hank Ke #10218

Owners Septic System Management Plan

Date: 3/15/2024

Property Address: 41142 53rd Street, Foley, Mn

Septic Systems can be an expensive investment, good maintenance will ensure they last a lifetime. The purpose of a septic system is to properly "decompose" the pollutants before the water is recycled back into the groundwater. If you're not taking this seriously, ask yourself where your well water comes from.

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. Don't overload your septic with multiple large water uses at the same time or on the same day.
- Fix household leaks promptly (leaky toilet, dripping faucets).
- Limit bleach and anti-bacterial products. Use Biodegradable dishwasher detergent.
- Consider a lint filter on your clothes washer.
- Regularly check for wet or spongy soil around your drainfield.
- Have a septic professional check your tanks every 3 years to determine if they need pumping.
- If you have a septic tank filter (effluent filter) clean it on a regular basis (or have a professional do it).
- 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.
- Be aware of and protect your secondary drainfield site.

Professional Tasks

- Disclose the location of the secondary drainfield (if applicable).
- Respond to alarms and diagnose problems as needed.
- Review water use with the owner, check for a "soggy" drainfield.
- Pump the septic tanks as needed and ensure they are in proper working order.
- Verify the pump, dose amount, HI Level Alarm & drainback are all working properly.

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

Property Owner Signature: _____ **Date** _____