

# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

### Instructions:

Control Agency (MPCA) website at

Instructions for filling out this form are located on the Minnesota Pollution

### Property information

Local tracking number: \_\_\_\_\_

Parcel ID# or Sec/Twp/Range: 2802820230006 Reason for Inspection Transfer of deed

Local regulatory authority info: Washington County

Property address: 14155 44TH ST S, CITY OF AFTON

Owner/representative: SONDEREGGER EROL & JODEE W Owner's phone: 612-296-5727

Brief system description: Replacement system (2005) designed at 600 gpd. 2-1000 gallon septic tanks, 1000 lift tank to STA installed 12" in the ground due to limestone layer. Design/county approvals attached.

### System status

System status on date (mm/dd/yyyy): 8/7/2024

**Compliant – Certificate of compliance\***

**Noncompliant – Notice of noncompliance**

*(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

*Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.*

**\*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

*An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.*

#### Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

#### Comments or recommendations

### Certification

*I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.*

*By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.*

Business name: SS Septic Solutions, LLC.

Certification number: 9917

Inspector signature: Shelley Schlomka

License number: 4137

*(This document has been electronically signed)*

Phone: 651-343-9117

### Necessary or locally required supporting documentation

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): \_\_\_\_\_

Property Address: 14155 44TH ST S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 8/7/2024

### 1. Impact on public health – Compliance component #1 of 5

**Compliance criteria:**

System discharges sewage to the ground surface	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Attached supporting documentation:**

- Other: \_\_\_\_\_
- Not applicable

**Describe verification methods and results:**

### 2. Tank integrity – Compliance component #2 of 5

**Compliance criteria:**

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

**Attached supporting documentation:**

- Empty tank(s) viewed by inspector
  - Name of maintenance business: Pinky's
  - License number of maintenance business: \_\_\_\_\_
  - Date of maintenance: 8/7/2024
- Existing tank integrity assessment (Attach)
  - Date of maintenance (mm/dd/yyyy): \_\_\_\_\_ (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))*
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: \_\_\_\_\_

**Describe verification methods and results:**

Tanks water tight at time of inspection.

Property Address: 14155 44TH ST S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 8/7/2024

### 3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes  No  Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety?  Yes  No  Unknown

3c. System is non-protective of ground water for other conditions as determined by inspector?  Yes  No

3d. System not abandoned in accordance with Minn. R. 7080.2500?  Yes  No

Describe verification methods and results:

Attached supporting documentation:  Not applicable

### 4. Operating permit and nitrogen BMP\* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit?  Yes  No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design?  Yes  No If "yes", B below is required

*BMP = Best Management Practice(s) specified in the system design*

**If the answer to both questions is "no", this section does not need to be completed.**

**Compliance criteria:**

a. Have the operating permit requirements been met?  Yes  No

b. Is the required nitrogen BMP in place and properly functioning?  Yes  No

Describe verification methods and results:

Attached supporting documentation:  Operating permit (Attach)

Property Address: 14155 44TH ST S, CITY OF AFTON

Business Name: SS Septic Solutions, LLC.

Date: 8/7/2024

### 5. Soil separation – Compliance component #5 of 5

Date of installation 11/15/2005  Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**Attached supporting documentation:**

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Compliance criteria (select one):**

<p>5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:</p> <p>Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:</p> <p>Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required &gt; 2,500 gallons per day)</p> <p>Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

**Indicate depths or elevations**

A. Bottom of distribution media	12"
B. Periodically saturated soil/bedrock	48"
C. System separation	36"
D. Required compliance separation*	36"

\*May be reduced up to 15 percent if allowed by Local Ordinance.

**Describe verification methods and results:**

**Upgrade requirements:** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

# LOG OF SOIL BORINGS

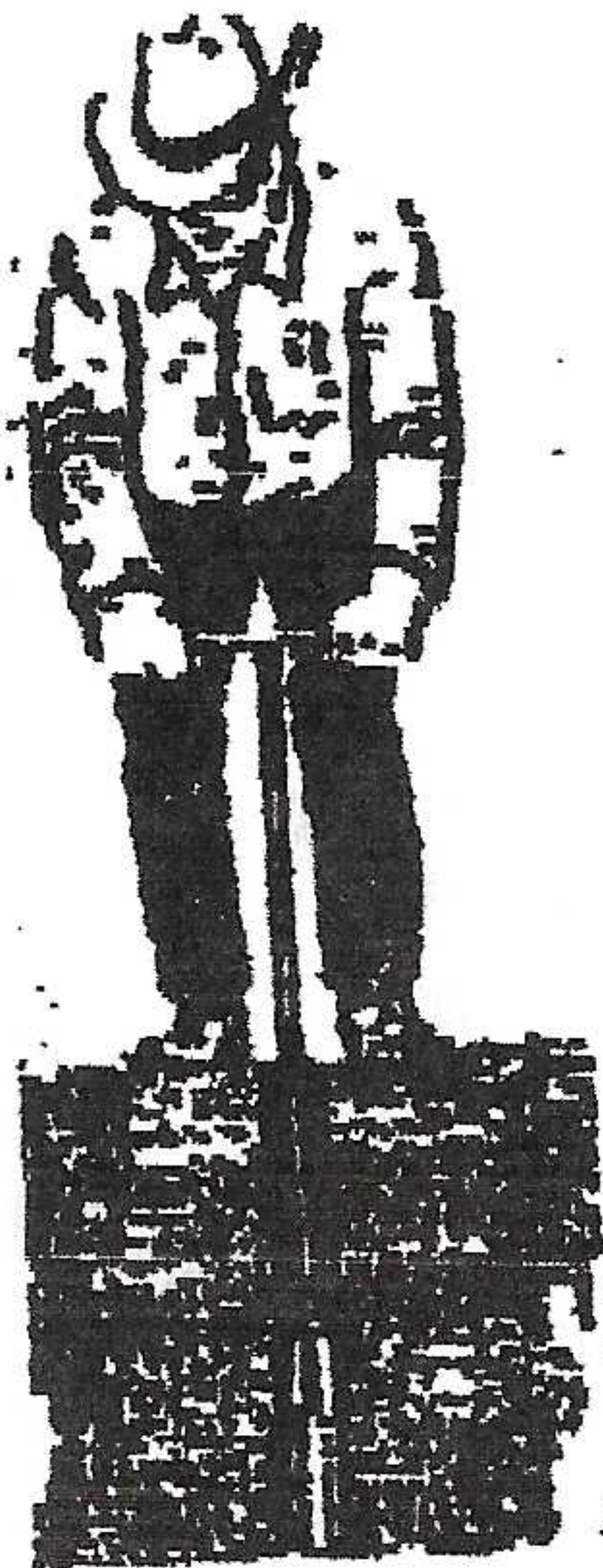
Job: M155 4910 Street South, Alhambra

date: 7-20

Depth Feet	B1	B2	B3	B4
1	Dark brown silty clay 10yr 5/6	Red brown silty clay 10yr 5/6	Dark brown loam 10yr 5/6	Dark brown loam 10yr 5/6
2	Yellow brown limestone 10yr 5/6	Red brown silty clay 10yr 5/6	Dark brown loam 10yr 5/6	Dark brown loam 10yr 5/6
3	Very pale brown limestone sand 10yr 6/3	Very pale brown sand 10yr 5/6	Dark brown loam 10yr 5/6	Dark brown loam 10yr 5/6
4	Light brown sand 5yr 5/6	Very pale brown sand 10yr 5/6	Dark brown loam 10yr 5/6	Dark brown loam 10yr 5/6
5		Very pale brown sand 10yr 5/6	Dark brown loam 10yr 5/6	Dark brown loam 10yr 5/6
6				
7				
8				

M155-5/6

651-735-7321



# PERCOLATION REPORT

WATER RESOURCE MANAGEMENT DOESN'T COST... IT PAYS

11-06-05

EROL SONDEREGGER

651-436-7616

## SOIL TESTING AND DESIGN FOR SEPTIC SYSTEMS

LOCATION: 14155 44<sup>th</sup> St. So. Afton

USE OF BUILDING: 3-bedroom home size for 4-bedroom

I did soil testing and a septic system design for this property in July, 2001. It was for a three bedroom home. The new owner wishes to install that system now and upgrade to 4-bedroom for a possible future addition. I have inspected the property and the test area has not been disturbed.

The test area seemed to have a limestone layer about 6 inches thick at depths of 10 to 18 inches throughout. The soil underneath varies from sandy loam to sand and showed no signs of mottling.

The absorption width is designed to be at least 10 feet from any lot line and at least 20 feet from the house or any building with footings. The well should be located on the opposite side of the house at least 50 feet from any part of this system.

All wastewater treatment sites are to be cordoned off prior to the start of any construction activity on the property. No construction traffic or grading permitted in drain field areas. All proposed wastewater treatment sites are to be protected with a visual barrier to prevent construction traffic from encroaching into the test area and possibly causing irreversible soil damage with respect to on-site wastewater treatment and absorption. A septic system permit will not be issued until the tested area is surrounded with snow or silt fence.

This design was prepared in accordance to Washington County Ordinance #128 and should be presented for inspection as early as possible. All soil samples shall be left in place until this inspection and all stakes shall be left in place until the system is installed.

*Barry J. Brown*

BARRY BROWN  
LICENSE #1772

#2  
W- 612-671-4641



**STANDARD SYSTEM DESIGN  
INDIVIDUAL SEWAGE TREATMENT SYSTEM**

**PUBLIC HEALTH & ENVIRONMENT**  
14949 62<sup>nd</sup> Street North, PO Box 6, Stillwater MN 55082-0006  
651/430-6688 OR 651-430-6655 FAX 651/430-6730

Owner's Name	Erol Sanderegger	Geo Code	
Job Site Address	14155 44 <sup>th</sup> St. So		
City or Township	Attn		
Use of Building	3 bedroom home - size for 4 bedrooms		
Number of Bedrooms			

Design Flow Rate	600	Perc Rate	10	Landslope	8	Percent	
Two Required Tanks Sizes	1000	Gallons	1000	Gallons	Lift Station Tank Size	1000	Gallons
Type of System (standard, at grade, or rockless pipe add 20%)	Standard or chambered						
System Size	1000	-Square Feet	333	-Linear Feet	36"	-Trench Width	
Depth of rock below pipe	12			Depth of rock above pipe	2		
MINimum Depth of Trench From Existing Grade	18	Inches		MAXimum Depth of Trench From Existing Grade	30	Inches	
Recommended Number of Trenches	4			Recommended Length of Trenches	83'		
Trench Spacing Measured Center to Center	6 to 7 feet						Feet
Any Other Special Conditions	Standard chambers may be substituted, 333 Linear Feet use upper part of test area.						

**IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION SHEET ATTACHED.**

This Design must be accompanied by a site plan that clearly shows the location of the area tested and approve by the following.

1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply (well and/or community supply line).
6. Dimension all setbacks and separation distances.

This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

Designer Name	Barry Brown	PCA Certification #	1772
Address	3041 Woodlark Dr. Woodbury. 55125	Phone #	651-735-7321
Signature	Barry J Brown	Date	

# 1

**SITE EVALUATION**

**COUNTY USE ONLY**

CHECK ALL THAT APPLY:

- NEW
- EXISTING
- DWELLING
- SHORELAND
- CLASS V
- COMMERCIAL ESTABLISHMENT
- FBL ESTABLISHMENT
- IN WELLHEAD PROTECTION AREA

EVALUATOR: CHRIS LELLAIR

PROPERTY ADDRESS: 14155 44th St. S.

DATE: 15 Nov 2005 TIME: 10:30

GEOCODE:

**SOIL REVIEW**

SOIL BORING 1					SOIL BORING 2				
SOIL CLASSIFICATION:					PARENT MATERIAL:				
ELEVATION OF BORING:		LOCATION:			ELEVATION OF BORING:		LOCATION:		
GPS COORDINATES: LAT:		LON:			GPS COORDINATES: LAT:		LON:		
<input checked="" type="checkbox"/> BORING <input type="checkbox"/> PIT <input type="checkbox"/> PROBE					<input type="checkbox"/> BORING <input type="checkbox"/> PIT <input type="checkbox"/> PROBE				
SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES
0-18	SANDY LOAM		LR	NO					
18-39	COARSE SAND		LR	NO					
JORDAN SANDSTONE @ 39"									

**SOIL REVIEW CONCLUSIONS**

<input type="checkbox"/> SITE SUITABLE <input type="checkbox"/> UNSUITABLE SOIL <input type="checkbox"/> DISTURBED SOIL <input type="checkbox"/> COMPACTED SOIL	DEPTH INFORMATION:		SOIL TEXTURE:
	STANDING WATER:	SATURATED SOIL:	SOIL SIZING FACTOR:
	BEDROCK: <u>39"</u>	MAXIMUM DEPTH OF SYSTEM:	LINEAR LOADING RATE:

**SITE REVIEW**

CHECK ALL THAT APPLY	EASEMENTS ON LOT:	SETBACKS
<input type="checkbox"/> WETLAND OR WETLAND VEGETATION <input type="checkbox"/> POND, LAKE, STREAM, RIVER <input type="checkbox"/> FLOODPLAIN <input type="checkbox"/> 10 YEAR FLOOD ELEVATION <input type="checkbox"/> BLUFFLINE <input type="checkbox"/> WELL WELL CASING DEPTH: _____	<input type="checkbox"/> UTILITY <input type="checkbox"/> DRAINAGE <input type="checkbox"/> OTHER	BLUFFLINE RIVER POND, LAKE, STREAM, WETLAND WELL

COMMENTS/NOTES: UNCONSOLIDATED CSJDN @ 39" 48"  
CONSOLIDATED CSJDN @ 48"

AFTER CONSULTING W/PETE CANZEL, WE BOTH CONCUR THAT THE SYSTEM SHOULD BE NO DEEPER THAN 12" INTO SOIL TO GIVE 36" SEPARATION TO CONSOLIDATED SANDSTONE. CWL

#2





**Department of Public Health and Environment**  
 14949 62nd Street North PO Box 6  
 Stillwater MN 55082-0006  
 Office: 651-430-6655 TTY: 651-430-6246 Fax: 651-430-6730

Review Fee:	\$215.00
Permit Fee:	\$225.00
<b>Total Fee:</b>	<b>\$440.00</b>
Previous Payment	\$0.00
<b>Balance Due</b>	<b>\$440.00</b>

**Community:** Afton  
**Permit Number:** 0100-05-19  
**Owner:** Erol Sonderegger  
 14155 44th ST S  
 Afton MN 55001-  
**Applicant:** Joe Chaves Excavating

0100-05-19

**PERMISSION IS HEREBY GRANTED**


To execute the work specified in this permit on the following identified property upon express condition that said persons and their agents, and employees shall conform in all respects to the provisions of Ordinance #128, Washington County Development Code, Chapter Four, Individual Sewage Treatment System Regulations. This permit may be revoked at any time upon violation of any of the provisions of said ordinance.

**Project Address:** 14155 44th ST S  
**Geo Code:** 28-028-20-23-0006  
**Designer:** Brown's Soil Testing

Type of System: Standard Drainfield		Pressure Distribution	
Design Criteria		N / A	
		Drainfield Sizing	
Percolation Rate:	10	Square Feet:	1000
Depth To Restriction:	66	Lineal:	333 Feet
Land Slope:	8.00%	Depth Of Rock Below:	12 Inches
Flow Rate:	600	Maximum Trench Depth:	12 Inches
Number of Bedrooms:	4	Number Of Trenches:	4
<input type="checkbox"/> Gravelless		Length Of Trenches:	83 Feet
<input type="checkbox"/> Chambered		Spacing Of Trenches:	6 Feet
<b>Tank Sizes</b>			
Tank 1:	1000	Tank 2:	1000
Tank 3:	0	Lift Station:	1000

**Authorized Work/Special Conditions**

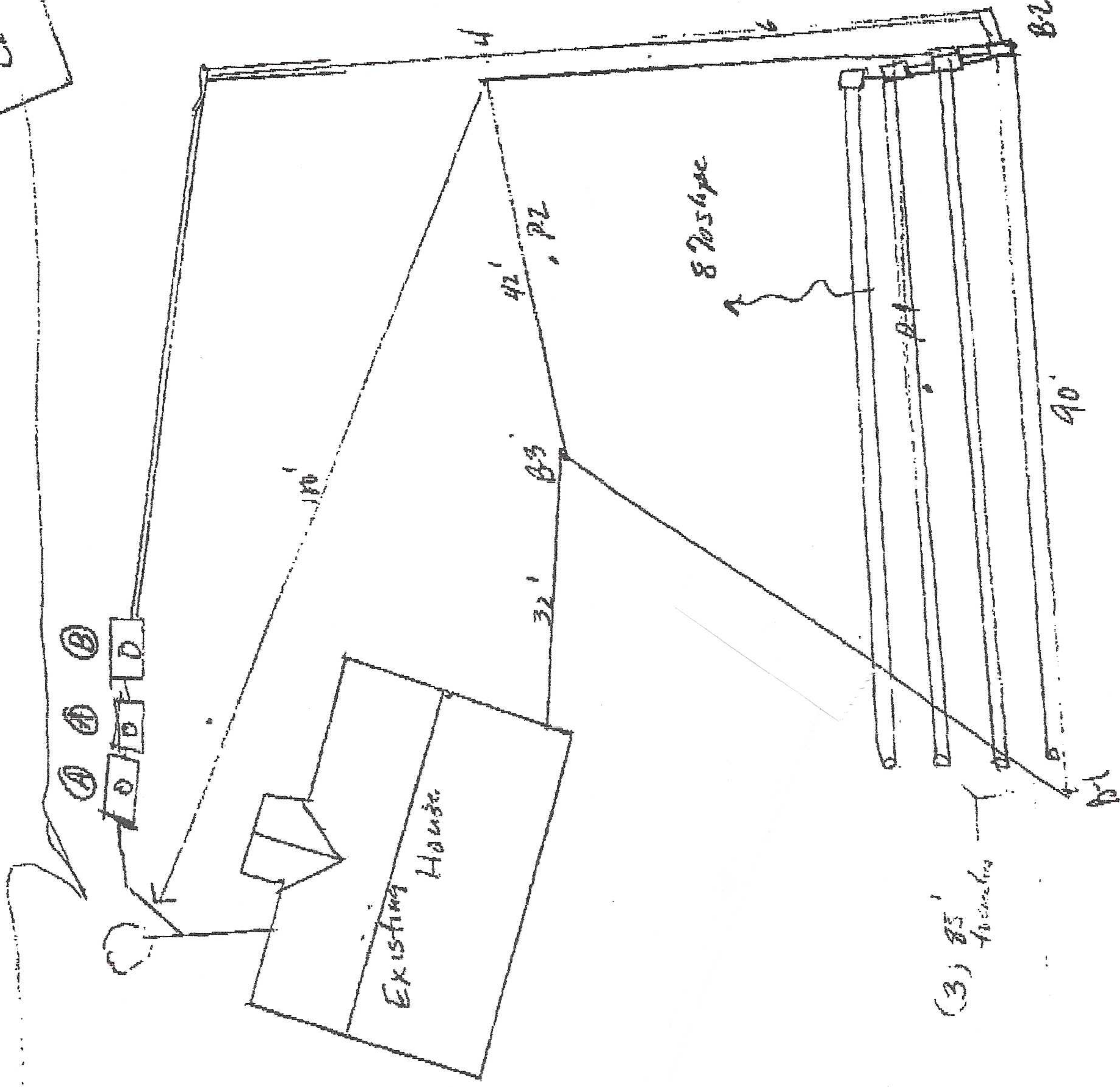
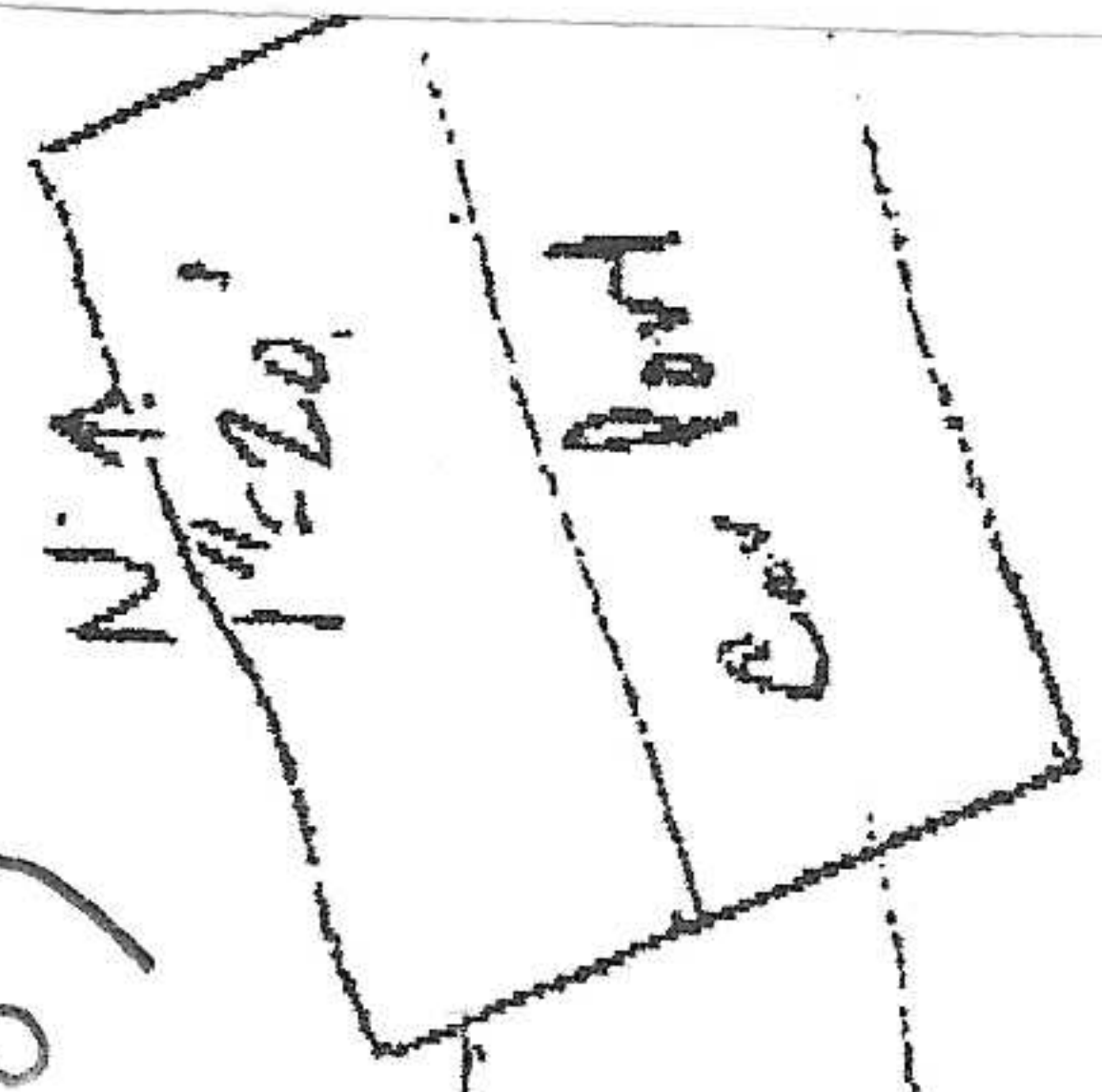
1. Building sewer can be no closer than 20' to well and must be pressure tested within 50 feet of well.
2. Establish a vegetative cover over the soil treatment area within 30 days of the installation. Protect the soil treatment area from erosion until the vegetative cover is established.
3. Maximum trench depth 12 inches into natural soil.
4. System cannot be installed if frozen at trench depth.
5. This system must be installed by a certified/licensed sewage treatment system installer holding a current license with the Minnesota Pollution Control Agency. (A list of installers is available at your request.)

  
 Christopher W. LeClair, REHS  
 Senior Environmental Specialist

Permit Issue Date: 11/28/2005  
 Permit Expiration Date: 11/28/2006

NEW WEIL (2008)

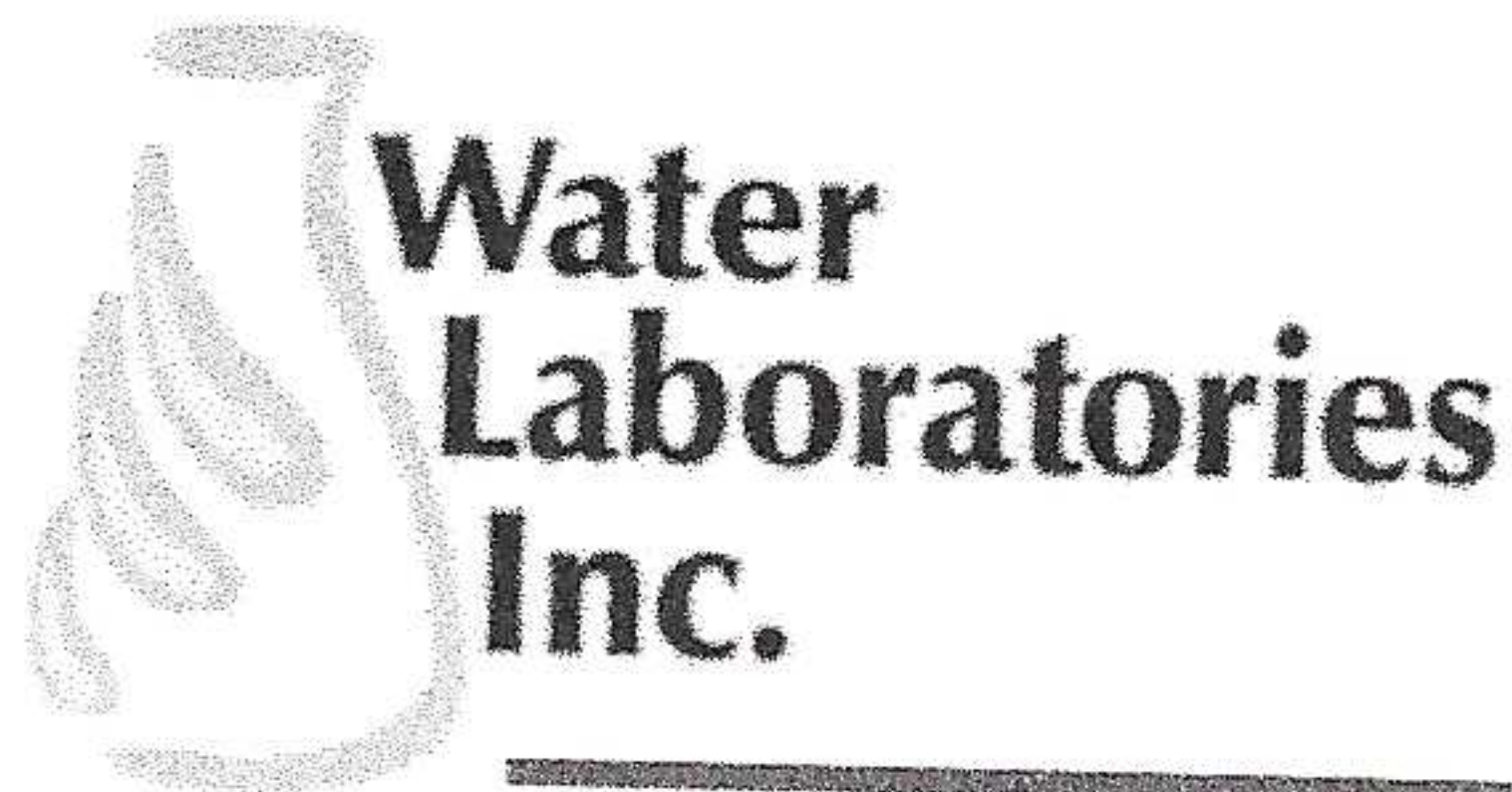
14155 44th St. So. Alton



- Ⓐ = 1000 gal. Septic tank
- Ⓑ = 1000 gal. Pump tank

## 2SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. The report shall not be construed as a warranty that the system will properly function for any period.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I cannot guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions, or surface drainage problems. The system could simply stop working due to age.
4. A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed. The inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or local unit of government code requirements.
5. Winter Work – Client understands that inspections conducted in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended. Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance.



333 Main Street NW  
P.O. Box 388  
Elk River, MN 55330  
Phone: 763-441-7509  
Fax: 763-441-9176

### DRINKING WATER LABORATORY TEST REPORT

Last Name: SONDEREGGER  
First Name: JODEE  
Address: 14155 44TH ST  
City: AFTON  
State: MN Zip Code:  
County:  
Legal:

File #: 91101  
Date/Time in Lab: 8/7/2024 10:05 AM  
Unique Well #:  
Drillers #:

Ordered By: SS SEPTIC SOLUTIONS

Sampled From: Outside Tap

Sampled By: SS SEPTIC SOLUTIONS

Date/Time Sampled: 08/06/2024 1015

Reason For Test: Coliform + Nitrate

Sample Temp: 23.8 °C

Received on Ice: No

<u>ANALYTE &amp; METHOD</u>	<u>DATE &amp; TIME OF ANALYSIS</u>	<u>MAXIMUM CONTAMINATION LEVEL (EPA)</u>	<u>TEST RESULTS</u>
Coliform Bacteria (SM 9223 B)	08/07/2024 1015	Negative	Negative
E. coli Bacteria (SM 9223 B)	08/07/2024 1015	Negative	Negative
Nitrate (EPA 353.2 Rev 2.0)	08/07/2024 1342	10.0 ppm	5.25 ppm

This sample **DOES** meet EPA guidelines for safe drinking water for the Analytes tested.

Notes:

The test results are only indicative of the sample tested from the sample point on the date collected.