MINNESOTA POLLUTION CONTROL AGENCY
520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions:

Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at .

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 2902920140005 Reason for Inspection Transfer of deed

Local regulatory authority info: Washington County

Property address: 13877 17TH ST N, TOWN OF WEST LAKELAND

Owner/representative: KIESLING JOSEPH P Owner's phone: 651-303-4747

Brief system description: Three 1000 gallon septic tanks and 1500 pump tank going at grade system

System status

System status on date (mm/dd/yyyy): 7/3/2024

☒ **Compliant – Certificate of compliance***

*(**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.)*

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

☐ **Noncompliant – Notice of noncompliance**

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

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: 13877 17TH ST N, TOWN OF WEST LAKELAND

Business Name: SS Septic Solutions, LLC. Date: 7/3/2024

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

Compliance criteria:	
System discharges sewage to the ground surface	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ 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?	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth?	☐ Yes ☒ No
If yes, which sewage tank(s) leaks:	

Attached supporting documentation:

☒ Empty tank(s) viewed by inspector

Name of maintenance business: Meyers

License number of maintenance business:

Date of maintenance: 7/3/2024

☐ 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: 13877 17TH ST N, TOWN OF WEST LAKELAND

Business Name: SS Septic Solutions, LLC. Date: 7/3/2024

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: 13877 17TH ST N, TOWN OF WEST LAKELAND

Business Name: SS Septic Solutions, LLC. Date: 7/3/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 7/28/2020 *(mm/dd/yyyy)* ☐ Unknown

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):

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:* Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No
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:* Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No
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 > 2,500 gallons per day)* Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

Indicate depths or elevations

A. Bottom of distribution media	0
B. Periodically saturated soil/bedrock	3'
C. System separation	3'
D. Required compliance separation*	3'

*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

Location of Project:	13877 17th St N, West Lakeland, MN 55082		
Borings Made By:	Inspect Minnesota	Date:	6/6/18
Auger Used:	Excavator	Classification System:	USDA
Pit Number:	1	Pit Number:	2
Surface Elevation of Boring	922.50' Sea Level	Surface Elevation of Boring	923.40'

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered
0-6 6-22 22-46 46-60	10YR 2/1 Silt Loam (Prismatic/Strong) 10YR 4/3 Loam (Prismatic/Weak) 7.5YR 4/4 Loamy Sand (Single Grain) 10YR 5/3 Clay Loam (Prismatic/Weak) With 7.5YR 5/8 & 10YR 6/2 Redox	0-6 6-25 25-55	10YR 2/2 Silt Loam (Prismatic/Weak) 10YR 3/6 Silt Loam (Prismatic/Weak) 7.5YR 4/4 Loamy Sand (Pristmatic/Weak & Single Grain)

End Of Boring At:	60"	End Of Boring At:	55"/918.82'
Redox Present At:	46"/918.67'	Redox Present At:	None
Standing Water Present At:	None	Standing Water Present At:	None
Boring Number:		Boring Number:	
Surface Elevation of Boring		Surface Elevation of Boring	

Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered

End Of Boring At:		End Of Boring At:	
Redox Present At:		Redox Present At:	
Standing Water Present At:		Standing Water Present At:	

Minnesota Pollution Control Agency

OSTP Design Summary Worksheet

University of Minnesota

4. SOIL TREATMENT AREA DESIGN SUMMARY

Trench Design Summary

Dispersal Area	ft²	Sidewall Depth	in	Trench Width	ft
Total Lineal Feet	ft	Number of Trenches		Code Maximum Trench Depth	in
Contour Loading Rate	ft	Min Trench Length	ft	Designer's Max Trench Depth	in

Bed Design Summary

Absorption Area	ft²	Depth of sidewall	in	Code Maximum Bed Depth	in
Bed Width	ft	Bed Length	ft	Designer's Max Bed Depth	in

Mound Design Summary

Absorption Bed Area	ft²	Bed Length	ft	Bed Width	ft
Absorption Width	ft	Clean Sand Lift	ft	Berm Width (0-1%)	ft
Upslope Berm Width	ft	Downslope Berm Width	ft	Endslope Berm Width	ft
Total System Length	ft	Total System Width	ft	Contour Loading Rate	gal/ft

At-Grade Design Summary

Absorption Bed Width	12.0 ft	Absorption Bed Length	150 ft	System Finished Height	2.3 ft
Contour Loading Rate	6 gal/ft	Upslope Berm Width	8 ft	Downslope Berm Width	17 ft
Endslope Berm Width	6.8 ft	System Length	163.5 ft	System Width	25.0 ft

Level & Equal Pressure Distribution Summary

No. of Perforated Laterals		Perforation Spacing	ft	Perforation Diameter	in
Lateral Diameter	in	Min. Delivered Volume	gal	Maximum Delivered Volume	gal

Non-Level and Unequal Pressure Distribution Summary

	Elevation (ft)	Pipe Size (in)	Pipe Volume (gal/ft)	Pipe Length (ft)	Perforation Size (in)	Spacing (ft)	Spacing (in)
Lateral 1	926.8	2	0.170	73	7/32	2.5	30.0
Lateral 2	925.6	2	0.170	73	3/16	2.8	33.0
Lateral 3	0	0					
Lateral 4	0	0					
Lateral 5	0	0					
Lateral 6	0	0					

Minimum Delivered Volume: 99 gal

Maximum Delivered Volume: 225 gal

5. Additional Info for At-Risk, HSW or Type IV Design

A. *Calculate the organic loading*

1. *Organic Loading to Pretreatment Unit = Design Flow X Estimated BOD* in mg/L in the effluent X 8.35 ÷ 1,000,000

_____ gpd X _____ mg/L X 8.35 ÷ 1,000,000 = _____ lbs. BOD/day

2. Type of Pretreatment Unit Being Installed: _____

3. Calculate *Soil Treatment System Organic Loading: BOD concentration after pretreatment ÷ Bottom Area* = lbs./day/ft²

_____ mg/L X 8.35 ÷ 1,000,000 ÷ _____ ft² = _____ lbs./day/ft²

Comments/Special Design Considerations:

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

Brian Humpal	Brian Humpal	L2896	06/06/18
(Designer)	(Signature)	(License #)	(Date)

#1

Tank Sizes

Tank 1: 100 Gallons

Tank 2: 1000 Gallons

Tank 3: 1000 Gallons

Pump Tank 1: 1500 Gallons

Authorized Work/Special Conditions

The granting of this permit does not alleviate the applicant from obtaining any other Federal, State, or local permits required by law for this project.

Call at least 24 hours before the time you need an inspection., Effluent Filter & Alarm Required on outlet of last tank in series, 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., Install a meter to monitor wastewater flow., Install individual sewage treatment system as per approved design in area tested and shown on the site plan., Install only when soil is below the plastic limit (dry soil conditions)., Insulate tank lids to a value of R-10 if tanks are 2 feet or less from the surface., This system must be installed by a certified/licensed sewage treatment system installer holding a current license with the Minnesota Pollution Control Agency. , Use of tanks registered with the Minnesota Pollution Control Agency required.

All permitted SSTS work must include an inspection and scheduled 24 hours in advance by calling 651-430-6655. Required Inspections: Final, Rough-Up, Soil Treatment Area, Tank Inspection

Permit Issuance Date: 07/28/2020

Permit Expiration Date: 07/28/2021

27dde9a941f0f11f8ee4a6714da6e9a9
43ca87d8ba800a596866f23b5ac0d76b
Tyler Dale 07/28/2020 - Issued

#2

Design Summary - Trench Design

Dispersal Area:	1800 Square Feet
Contour Loading Rate:	6'

Invoice #5817 (07/24/2020)

Charge	Cost	Quantity	Total
Reissued Mound/At Grade System Permit Fee added 07/24/2020 3:46 PM	$153.00	x 1	$153.00
Grand Total			
		Total	**$153.00**
		Payment 07/24/2020	**$153.00**
		Due	**$0.00**

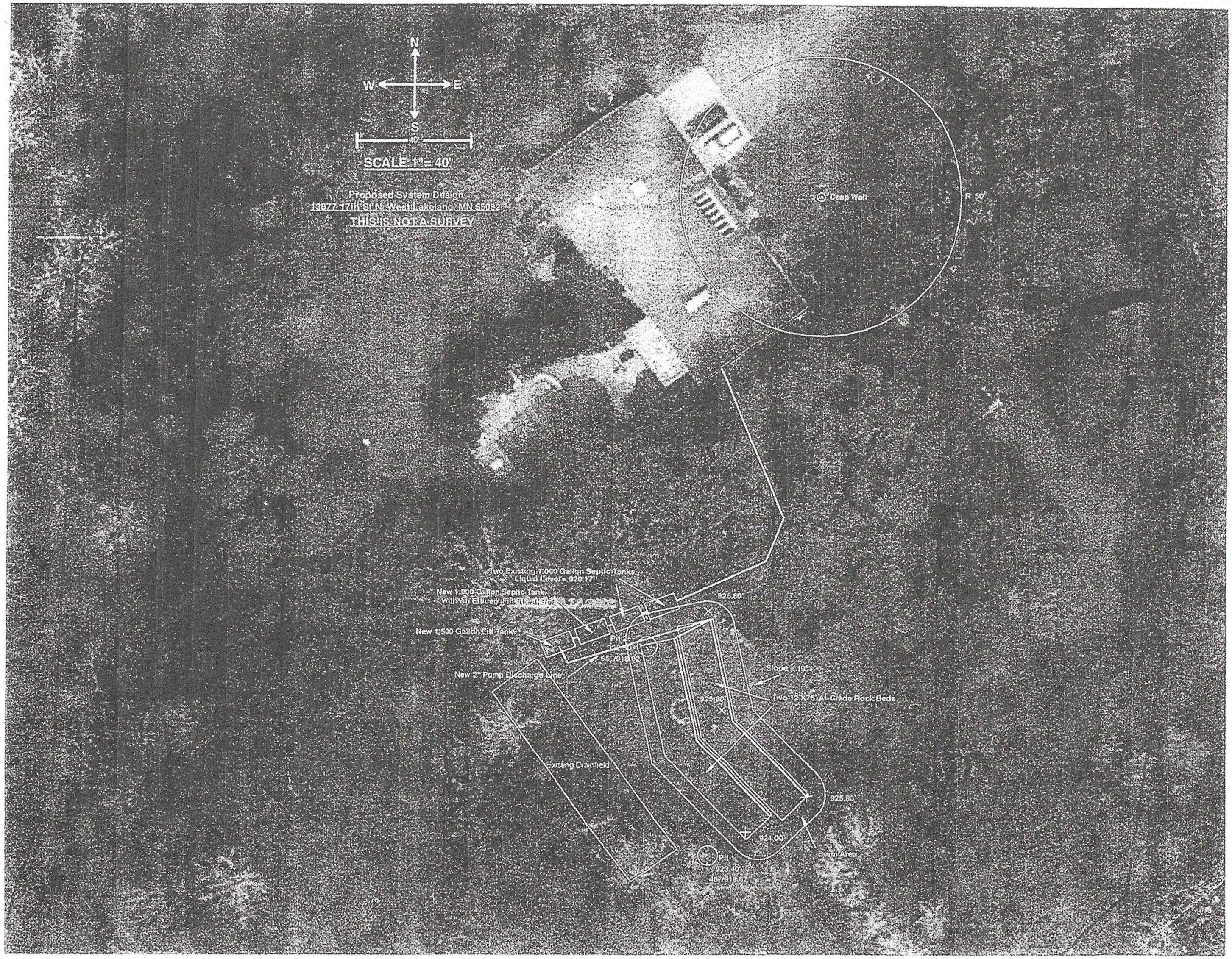
Approvals

Approval	Signature
Applicant	Joseph Kiesling - 07/24/2020 3:47 PM - witnessed by Denise Lange 57984fc772d61f115b08f6fa544ce059 e14e4a5fa743449969ab307c526ce82f
#1 Initial Office Review	Denise Lange - 07/24/2020 3:47 PM 5ef5ffaba3a32fac93af78b9dbc000bb 97f1dcc84a9f9b6047a3c45568b31153
#2 Issue Permit	Tyler Dale - 07/28/2020 11:41 AM 27dde9a941f0f11f8ee4a6714da6e9a9 43ca87d8ba800a596866f23b5ac0d76b

#2

Public Notes

Text:	


N
W
E
S
SCALE 1"= 40'
Proposed System Design
13877 17th St N, West Lakeland, MN 55082
THIS IS NOT A SURVEY
Deep Well
R 50'
Two Existing 1,000 Gallon Septic Tanks
Liquid Level = 920.17'
New 1,000 Gallon Septic Tank
With An Effluent Filter Installed
925.80
New 1,500 Gallon Lift Tank
Pit 2
New 2" Pump Discharge Line
Slope = 10%
Two 12'X75' At-Grade Rock Beds
925.80
Exsting Drainfield
925.80
924.00
Berm Area
Pit 1
923.40
487/318.67

SS 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.