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: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 1202721230001 Reason for Inspection Sale of property

Local regulatory authority info: Washington County

Property address: 7400 LAMAR AVE S, CITY OF COTTAGE GROVE

Owner/representative: Wayne Butt Owner's phone: 651-283-9728

Brief system description: Two septic tank with gravity fed drainfield

System status

System status on date (mm/dd/yyyy): 06/09/2023

☒ **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: *(This document has been electronically signed)* License number: 4137

Phone: 651-343-9117

Necessary or locally required supporting documentation (must be attached)

☐ Soil observation logs ☐ System/As-Built ☐ Locally required forms ☐ Tank Integrity Assessment ☐ Operating Permit

☐ Other information (list):

Property Address: 7400 LAMAR AVE S, CITY OF COTTAGE GROVE

Business Name: SS Septic Solutions, LLC Date: 06/09/2023

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

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Describe verification methods and results:

Attached supporting documentation:

☐ Other:

☐ Not applicable

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:	

Any "yes" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation:

☒ Empty tank(s) viewed by inspector

Name of maintenance business: Meyers

License number of maintenance business:

Date of maintenance: 6/9/2023

☐ 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:

Property Address: 7400 LAMAR AVE S, CITY OF COTTAGE GROVE
Business Name: SS Septic Solutions, LLC Date: 06/09/2023

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

Yes to 3a or 3b - System is an imminent threat to public health and safety.

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

Yes to 3c or 3d - System is failing to protect groundwater.

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

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation: ☐ Operating permit (Attach) ☐

Property Address: 7400 LAMAR AVE S, CITY OF COTTAGE GROVE

Business Name: SS Septic Solutions, LLC Date: 06/09/2023

5. Soil separation – Compliance component #5 of 5

Date of installation 6/8/1998 *(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	3' 6"
B. Periodically saturated soil/bedrock	6' 6"
C. System separation	3'
D. Required compliance separation*	3'

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

Any "no" answer above indicates the system is failing to protect groundwater.

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.*

Percolation Test

Location: 17400 Lamont Ave Cottage Grove (Jack Ch.

Test hole number: P-2

Depth to the bottom of hole: 30 inches.
Diameter of hole 6 inches.

Depth, inches	Soil Texture
0-20	Black loam topsoil
20-24	Red brown loamy sand & gravel
24-30	Red brown [illegible] sand & gravel

Percolation test by Barry Brown, Registration # 4213, License # 1772

Date of test: Pre-Soak Test 5-29-24

Time	Time interval minutes	Measurement inches	Drop in water level inches	Percolation rate min/inch	Remarks
10:28		8			
10:28:30	30 sec	7	1	.5	
10:29		8			
10:29:41	41 sec	7	1	.67	
10:30		8			
10:30:45	45 sec	7	1	.75	
10:31		8			
10:31:45	45 sec	7	1	.75	
10:32		8			
10:32:45	45 sec	7	1	.75	

Percolation rate: .75 minutes per inch

SOILS #1

-SOIL BORINGS-

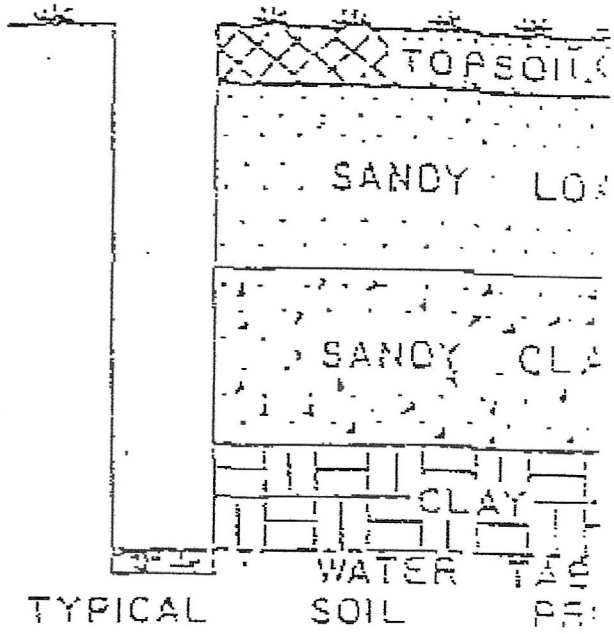
7400 Lamar Ave. S

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



TYPICAL SOIL PR

LOG OF SOIL BORING

BORING NO: B-1

Depth in Feet	Soil Description
2	10yr 2/2 20" Black loam topsoil
3	10yr 3/3 34" Dark brown loam
5	10yr 5/4 50" Med. brown sandy loam
6	7.5yr 4/3 85" Red brown med to coarse sand
9	

-SOIL BORINGS-

7400 James Ave S

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

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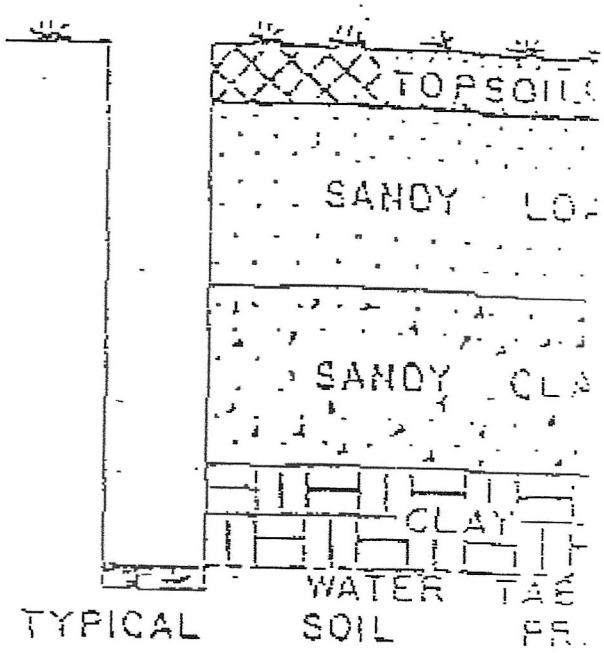


LOG OF SOIL BORING

BORING NO: B-2

Depth in Feet		Soil Description
	18"	Black loam topsoil
2	24	med brown clay loam
	32"	med brown sandy loam
6		
	80"	med brown med to coarse sand

10yr 2/2
10yr 5/4
10yr 5/4
10yr 5/4

-SOIL BORINGS-

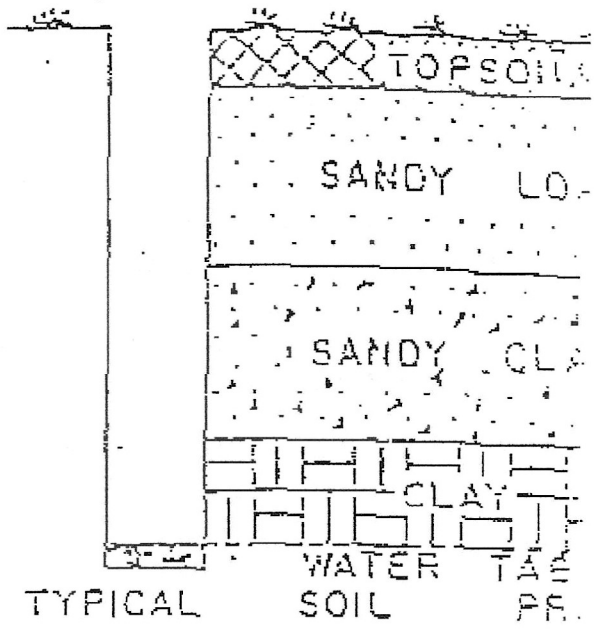
1966 Lamar Davis

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



LOG OF SOIL BORING

BORING NO: R-3

Depth In Feet	Soil Description
1	
2	
10yr 2/2	30" Black loam topsoil
3	
4	
10yr 3/3	54" Dark brown clay loam
5	
6	
7.5yr 4/3	80" Red brown Sandy loam
7	
8	

-SOIL BORINGS-

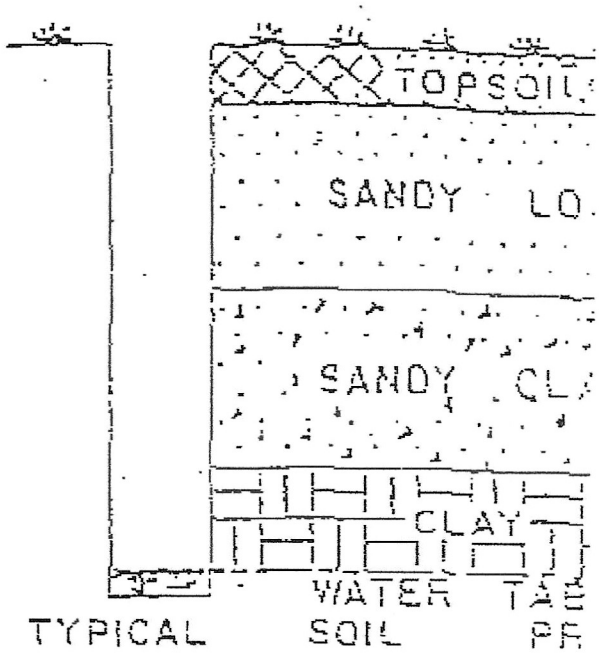
7400 Lamar Ave. S.

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger. however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



LOG OF SOIL BORING

BORING NO: B-4

Depth in Feet	Soil Description
1	10yr 2/2 12" Black loam topsoil
2	
3	10yr 3/3 36" Dark brown sandy loam
4	
5	
6	
7	7.5 yr 4/3 60" Red brown mud to coarse sand & gravel
8	
9	

STANDARD SYSTEM DESIGN
INDIVIDUAL SEWAGE TREATMENT SYSTEM

WASHINGTON COUNTY HEALTH, ENVIRONMENT & LAND MANAGEMENT
14900 N. 61ST STREET, P.O. BOX 3803, STILLWATER, MN 55082-3803
612/430-6708 OR 612/430-6656 FAX 612/430-6730

Owner's Name	Ron Lindeman
Job Site Address	17400 Lamar Ave
City or Township	Cottage Grove
Use of Building	Single family Home

Design Flow Rate	450 gpd	Perc Rate	1 mpi	Land Slope	13 Percent
Two Required Tank Sizes	1000 Gallons	1000 Gallons		Lift Station Tank Size	— Gallons
Type of System (standard, at grade or bed)	Standard				
System Size:	380 -Square Feet	130 -Lineal Feet		3 -Trench Width	
Depth of rock below pipe	12"			Depth of Rock Above Pipe	2
MINimum Depth of Trench From Existing Grade	30 Inches			MAXimum Depth of Trench From Existing Grade	36 Inches
Recommended Number of Trenches	2			Recommended Length of Trenches	65'
Trench Spacing Measured Center to Center	7.5' Feet				

Any Other Special Conditions: Trenches below the percolation area should be 42" deep and limited to 1.27 because of soil conditions

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

This design must be accompanied by a site plan that clearly shows the location of the area tested and approved 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 Brand	PCA Certification #	1772
Address	3041 Woodlane Dr.	Phone #	735-7321
Signature	Barry J Brand	Date	5-30-98

City of Cottage Grove Minnesota

7516 80th Street South
Cottage Grove, MN 55016
612/458-2804

PERMIT NO.:
DATE ISSUED: 9800720

06/06/98

Address : 7400 Lamar Ave S
PIN : 12-027-21-23-0001
Lega. Desc : Subdivision Metes And Bounds
: Lot Block Parcel
Permit Type : Septic
Property Type : Single Family Detached
Construction Type: Septic System
Activity : Septic System

Permit Applicant:

Zellmer Services
P.O. Box 113
Newport, MN 55055

SOILS VERIFICATION #2

BUILDING INSPECTION RECORD

24 HOUR NOTICE REQUIRED FOR ALL INSPECTIONS.
OCCUPANCY AND USE NOT AUTHORIZED UNTIL FINAL INSPECTION COMPLETED.

INSPECTION TYPE	DATE	INSPECTOR
Setbacks/property lines	6-23-98	

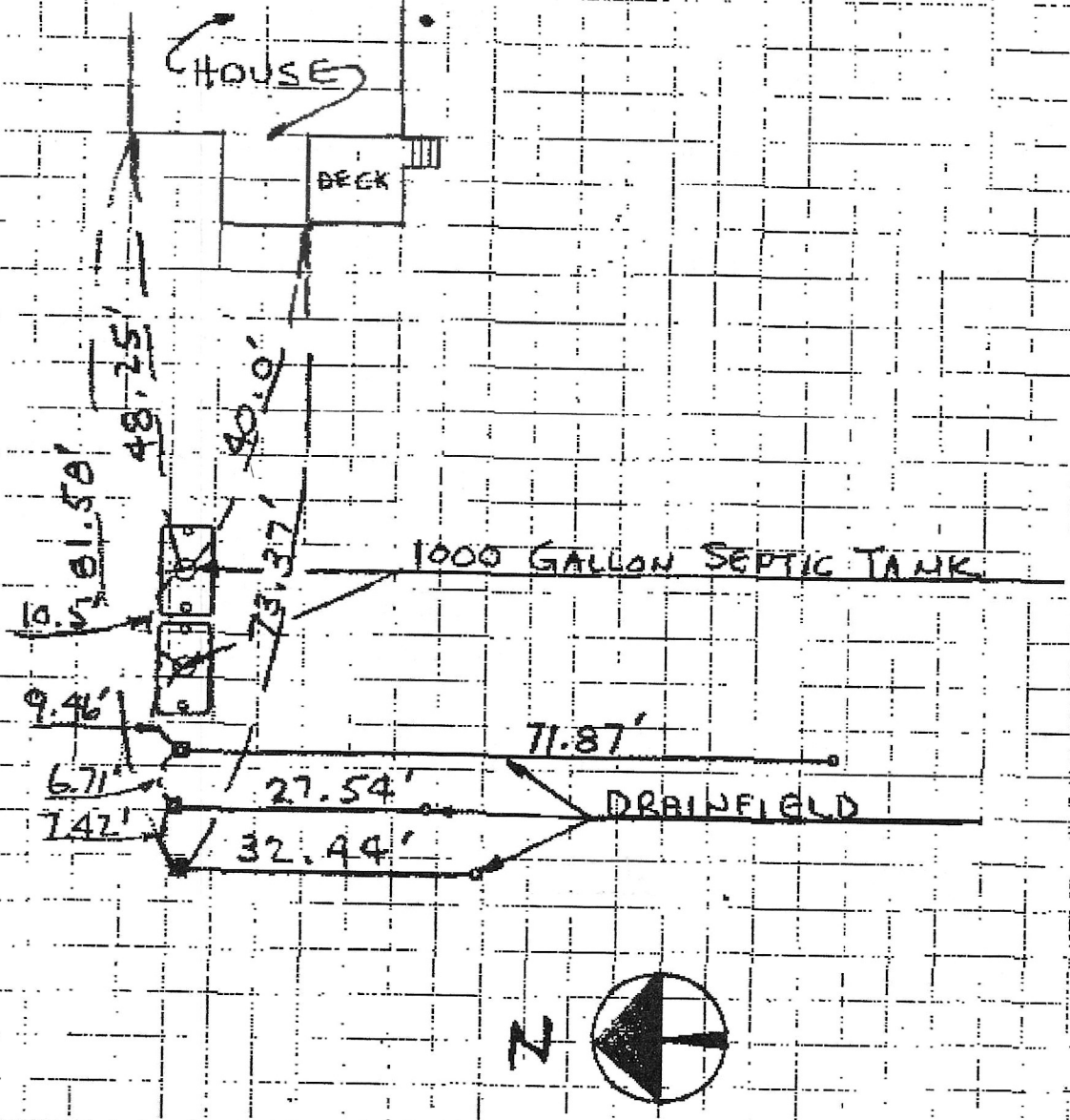
INSPECTION TYPE	DATE	INSPECTOR
Septic system	6-23-98	

INSPECTION COMMENTS:

In accordance with City Ordinance, new or substantially remodeled buildings shall not be occupied until all work has been approved, and a Certificate of Occupancy has been issued by the Building Department.

NOTE: THIS CARD MUST BE POSTED IN THE GARAGE OR TAPED TO AN ACCESSIBLE WINDOW BEFORE CALLING FOR INSPECTIONS. MAINTAIN THIS RECORD CARD UNTIL WORK IS COMPLETE. RETURN THIS CARD TO THE BUILDING DEPARTMENT WHEN WORK IS COMPLETE.

CALL for inspections WEEKDAYS:
458-2804
8:00 AM - 4:30 PM
Electrical: 426-3328 7:00 AM - 8:30 AM



FILE COPY

AS BUILT
7400 LAMAR AVE. So.
COTTAGE GROVE, MN
55016
SCALE 1" = 20'

SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to the 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 particular period of time.
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 can not 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 understand 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.