

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: 16.001.0400 Reason for Inspection: Property Transfer

Local regulatory authority info: Dodge County

Property address: 70082 270th Ave. Kasson

Owner/representative: Robin Heim Owner's phone: 421-7566

Brief system description: 2-1000 Gallon Septic Tanks APPROX. 1000 Sq. Ft. Grd. Airtight Trench TREATMENT.

System status

System status on date (mm/dd/yyyy): 5-3-22

☒ **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

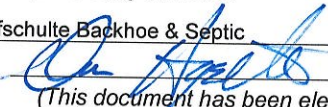
Comments or recommendations

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: Hofschulte Backhoe & Septic

Inspector signature: 
(This document has been electronically signed)

Certification number: C1758

License number: L836

Phone: 507-876-2700

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: 70082 270th Ave. Kasson

Business Name: Hofschulte Backhoe & Septic

Date: 4/29/22

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:

NO EXCESSIVE ponding IN THE TRENCHES OR SEEPAGE in
or AROUND THE TREATMENT AREA.

Attached supporting documentation:

☐ Other: _____

☐ Not applicable

2. Tank integrity – Compliance component #2 of 5

LEAK. *See next page

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: _____

License number of maintenance business: _____

Date of maintenance: _____

☐ 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: _____



MINNESOTA POLLUTION
CONTROL AGENCY

520 Lafayette Road North
St. Paul, MN 55155-4194

Sewage tank integrity assessment form

Subsurface Sewage Treatment Systems (SSTS) Program

Robert Heim = 70082 270th Ave Kesson, MN.

Purpose: This form may be used to certify the compliance status of the sewage tank components of the SSTS. This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional. SSTS compliance inspection report forms can be found at: <https://www.pca.state.mn.us/water/inspections>.

Instructions: This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report: Compliance inspection form - Existing system (wq-wwists4-31b). This form can be found on the MPCA website at <https://www.pca.state.mn.us/water/inspections>.

The information and certified statement on this form is required when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4 Item (B) subitem (1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4 Items B, C, and D; 7083.0730 Item C.

☒ Certificate of sewage tank compliance

Affirm all three statements:

- ☒ The SSTS does not contain a seepage pit, cesspool, drywell, leaching pit, or other pit.
- ☒ It does not contain a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth.
- ☒ It does not represent an imminent safety threat by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition.

☐ Notice of sewage tank non-compliance

Select all that apply:

- ☐ The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."
- ☐ It has a sewage tank that was designed to be watertight, but subsequently leaks below the designed operating depth - "Failure to Protect Groundwater."
- ☐ It presents a threat to public safety by reason of unsecured, damaged, or weak maintenance hole cover(s) or other unsafe condition - "Imminent Threat to Public Health or Safety."

Company information

Company name: Leth Sewer Service

Business license number: # L-180

Designated Certified Individual (DCI) information

Print name: LETH SEWER SERVICE

Certification number: #C1105

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.

By typing/signing 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.

Designated Certified
Individual's signature:

Jeff Leth
(This document has been electronically signed.)

Date (mm/dd/yyyy): 4-25-22

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:

The concrete above the inlet + outlet pipes is rotten which makes it an imminent health threat.

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:

- ☒ Pumped at time of inspection

Name of maintenance business: Valh Sewer

License number of maintenance business: 472525

Date of maintenance: 4-25-2025

- ☒ Existing tank integrity assessment (Attach)

Date of maintenance (mm/dd/yyyy): 4-25-2025
 (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: 70082 270th Ave. Kasson

Business Name: Hofschulte Backhoe & Septic

Date: _____

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: 70082 270th Ave. Kasson

Business Name: Hofschulte Backhoe & Septic

Date: 4/29/22

5. Soil separation – Compliance component #5 of 5

Date of installation

ORIGINAL - UNKNOWN - 1980s?
NEW TANK AND
(mm/dd/yyyy) Addition to drainfield 6/13/97

☐ 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:

☐ Yes ☐ No*

Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

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:

☒ Yes ☐ No*

Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

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)

☐ Yes ☐ No*

Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Indicate depths or elevations

A. Bottom of distribution media

22"

B. Periodically saturated soil/bedrock

58"

C. System separation

36"

D. Required compliance separation*

31" w/ 15%

*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:

ORIGINAL TANK AND EXISTING TRENCHES IN COMPLIANCE WHEN NEW 1000 GALLON TANK AND ADDITIONAL DRAINFIELDS ADDED TO MATCH THE NEW CONSTRUCTION HOUSE.

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.

DODGE COUNTY SEPTIC SYSTEM DIVISION
INSPECTION FORM FOR ON-SITE SEPTIC SYSTEM

Date of Inspection: 6/13/97 Time: 4:00pm Weather Conditions: dry, warm, Sunny

SETBACKS:

Buildings to tank(s)..... 50'
Tank to Drainfield (First drop box)..... See diag.
Well(s)..... 50'

SEPTIC/HOLDING TANKS:

Liquid Capacity. 2-1000 (1 new, 1 add)
Number of Tanks..... 2
Inspection pipes / Maintenance hole access..... Mets code

DRAINFIELD:

Trench depth..... 22"
Trench length..... 2-60'
Trench bottom level..... ✓
Type of distribution..... trench
Drainfield rock below pipe..... NA
Size of Gravelless pipe..... 10"
Drop boxes constructed properly..... OK

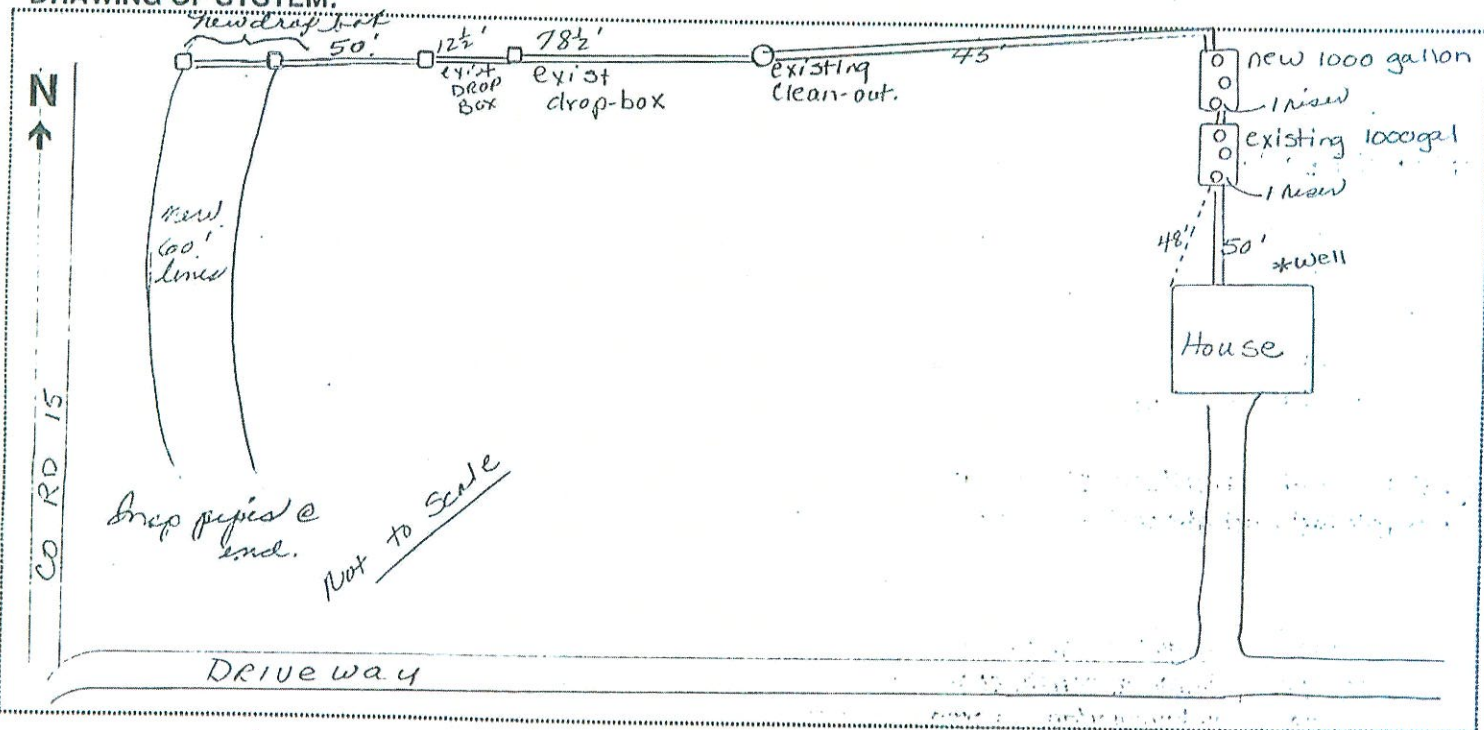
MOUND:

Percent slope.....
Upslope dike width.....
Downslope dike width.....
Drainfield rock below pipe.....
Depth of sand below rock.....
Perforation size and spacing.....
Dimensions of rock bed.....
Dimensions of sand base.....
Final cover.....

PUMP:

Tank capacity.....
Pump size.....
Size of discharge line.....
Type of alarm.....
Maintenance hole access.....

DRAWING OF SYSTEM:



STATUS OF SYSTEM:

Based on the inspection conducted above and information provided with the permit application the system status is In Compliance, therefore, this document is a Certificate of Compliance
(Choose: In Compliance OR Failing) (Choose: Certificate of Compliance OR Notice of Noncompliance)

I hereby certify with my signature as a qualified employee that based on the certifications of the site evaluator, designer, and installer that my observations recorded on this form are accurate as of the date at the top of this form for the site stated above. No determination or guarantee of future hydraulic performance is or can be made due to unknown conditions during system construction, future water usage over the life of the system, abuse of the system, and/or inadequate maintenance all of which will adversely affect the life of the system.

Doreen K. Schaefer
Inspector's Signature

Date

6/13/97

License Number

2318

Owner given system information Yes ✓ No

SEPTIC SYSTEM PERMIT APPLICATION (CON'T)

-FOR OFFICE USE ONLY-	
PERMIT # _____	Date received _____

Property Owner _____

SEPTIC SYSTEM SITE EVALUATION

REQUIRED ATTACHMENTS:

- ☒ Site drawing for designated and alternate drainfield areas
☐ Percolation test results (not required for sandy loam and/or loam soil types).
☒ Soil boring logs (At least two borings required for designated area, one boring required for alternate drainfield area).
☐ All applicable worksheets attached (i.e. mound, at-grade, pressure distribution, pump, etc.....)

Site Evaluator Name CMS Environmental
 Address 1700 Phone _____

GENERAL INFORMATION

Proposed drainfield area roped or flagged off; Yes ☒ No ☐
 Soil borings staked and labeled; Yes ☒ No ☐
 Percolation holes staked and labeled; Yes ☐ No ☐

Shoreland area; Yes ☐ No ☒
 Floodplain area; Yes ☐ No ☒
 Proposed septic system meets all setbacks, Yes ☒ No ☐
 (as indicated in attached site plan drawing)

SOILS INFORMATION

_____ Depth to mottled soil	<u>CL</u> Soil texture at recommended drainfield depth
<u>58</u> Depth to bedrock	<u>Med.</u> Soil structure at recommended drainfield depth
_____ Depth to standing water table	<u>10YR 7/4</u> Soil color (hue/value/chroma) 3' above mottling
<u>12-22</u> Recommended drainfield depth	<u>1.67</u> Soil sizing factor at recommended depth
<u>15-30</u> Average perc rate in drainfield area	<u>4</u> Percent slope at recommended drainfield area

I hereby certify with my signature as the site evaluator, that all soil and setback data for this design are true and correct to the best of my knowledge. I agree to indemnify and save Dodge County harmless from all losses, damages, costs and charges that may be incurred by the County because of my failure to conform to and comply with the provision of the Dodge County Septic and Wastewater Treatment Ordinance.

Signature Stephane E. Faurh Certificate Number 239 License Number _____ Date 6-12-97

SEPTIC SYSTEM DESIGN

REQUIRED ATTACHMENTS:

- ☐ Mound and/or at-grade design worksheets
☐ Pump size calculations & worksheet
☐ Pressure distribution worksheets

Designer Name CMS Environmental
 Address _____ Phone 282 8206

DESIGN FLOW

3 Number of bedrooms _____ Type of home (I-IV) _____
 Other (List) _____
 Garbage disposal existing/proposed; Yes ☐ No ☒
 Projected daily flow (gallons per day) _____

TANKS

Number of Septic Tanks 2, volume of each tank existing 1000 1000
 Volume of Pump Tank _____, reserve capacity of _____
 Pump size, discharge volume, controls, alarm device, electrical connections, tank access will meet installation criteria;
 Yes ☐ No ☐

Number of Holding Tanks _____, volume of each tank _____
 Tank construction/installation will meet maintenance hole and inspection pipe criteria; Yes ☒ No ☐
 If in Canisteo Township meets 2-1000 tanks criteria; Yes ☐ No ☐

DRAINFIELD

Standard System; Trenches ☒ Bed ☐ At-Grade ☐ Mound ☐

Alternative System; (List type of system) _____

Penetration into native soil 22; Inches of drainrock under pipe _____; or Size of Gravelless; ☐ 8 in or ☒ 10 in

Number of Trenches 2, length 60, width, 3

Sand gradation report for mound sand attached; Yes ☐ No ☐

I hereby certify with my signature as the designer, that all soil and setback data and design criteria for this design are true and correct to the best of my knowledge. I agree to indemnify and save Dodge County harmless from all losses, damages, costs and charges that may be incurred by the County because of my failure to conform to and comply with the provision of the Dodge County Septic and Wastewater Treatment Ordinance

Signature Stephane E. Faurh Certificate Number 239 License Number _____ Date 6-12-97

SEPTIC SYSTEM SITE PLAN DRAWING

REQUIRED INFORMATION:

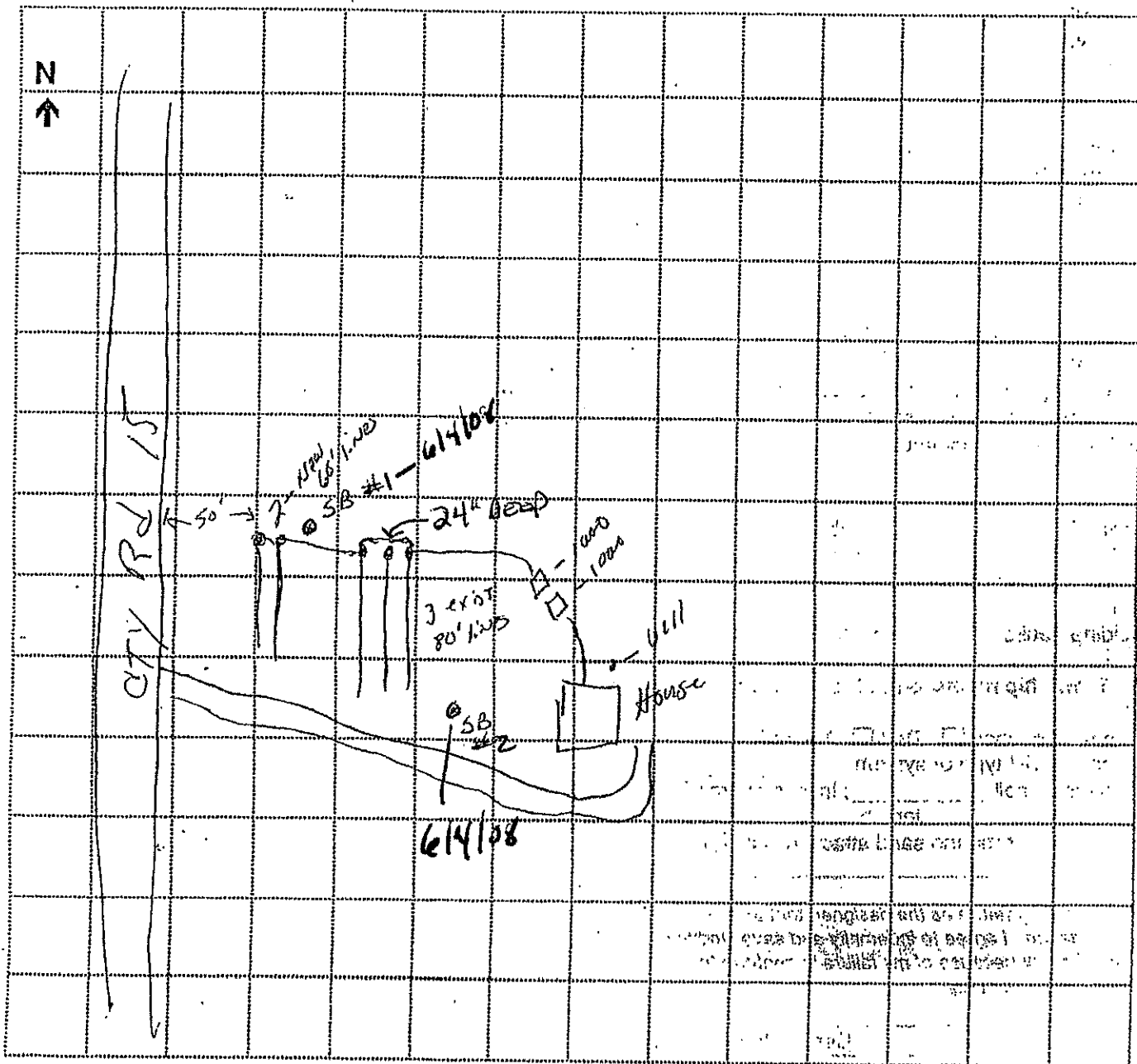
- ☐ Designated and Alternate drainfield areas
- ☐ Soil borings and Perc Test locations
- ☐ Lakes, Rivers, Streams, Wetlands
- ☐ Location of water wells, buried pipes,

- ☐ All setbacks as listed below
- ☐ Direction of slope
- ☐ Location of all buildings
- ☐ Location of all easements

Setbacks (minimum distance identified in parentheses)

- ☐ Building to tank (10 ft)
- ☐ Building to drainfield (20 ft)
- ☐ Type of well (cased ☐ sandpoint ☐ dug ☐)
- ☐ Depth of well casing
- ☐ Well to tank (septic/holding/pump) 50 ft
- ☐ Well to proposed drainfield (50-100 ft)

- ☐ Water line (10 ft)
- ☐ Property boundary (10 ft)
- ☐ Road right-of-way(s) 10 ft
- ☐ River or stream (75 ft)
- ☐ Well to buried sewer line (50 ft/20-50 ft air tested)
- ☐ Neighbor wells to proposed drainfield (50-100 ft)



Logs of Soil Borings

B-18

Location or Project ROBERT + Robin Heim

Borings made by Daren Holshulte Date 6/4/04

Classification System: AASHTO _____; USDA-SCS _____; Unified _____; other _____

Auger used (check two): Hand _____, or Power _____; Flight _____, or Bucket _____; other _____

Depth, in feet	Boring number <u>#1</u> Surface elevation _____	Depth, in feet	Boring number <u>#2</u> Surface elevation _____
0 —		0 —	
1 —	SANDY LOAM 10 yr 3/2	—	SANDY 10 yr 3/2
16" —		24" —	SILT LOAM TOP
2 —	SILT LOAM 10 yr 3/4	35" —	SILT LOAM 10 yr 4/3
38" —		—	CLAY LOAM
4 —	CLAY LOAM 10 yr 4/4	5 —	10 yr 5/4
50" —		62" —	GREY MOTTLED
5 —	SANDY LOAM 10 yr 6/4	70" —	END BORING
70" —		—	
6 —	GREY MOTTLED END BORING	—	
7 —		—	
8 —	SOIL BORINGS SHALL BE DUG TO A DEPTH OF 7' DESCRIBING THE SOIL IN COMMON TER'S (I.E., SANDY LOAM) AT 1' INTERVALS.	—	
9 —		—	
10 —		10 —	

End of boring at 5.9 feet.

Standing water table:

Present at _____ feet of depth,

_____ hours after boring.

Not present in boring hole _____.

Mottled soil:

Observed at 5.9 feet of depth.

Not present in boring hole _____.

End of boring at 5.9 feet.

Standing water table:

Present at _____ feet of depth,

_____ hours after boring.

Not present in boring hole OK.

Mottled soil:

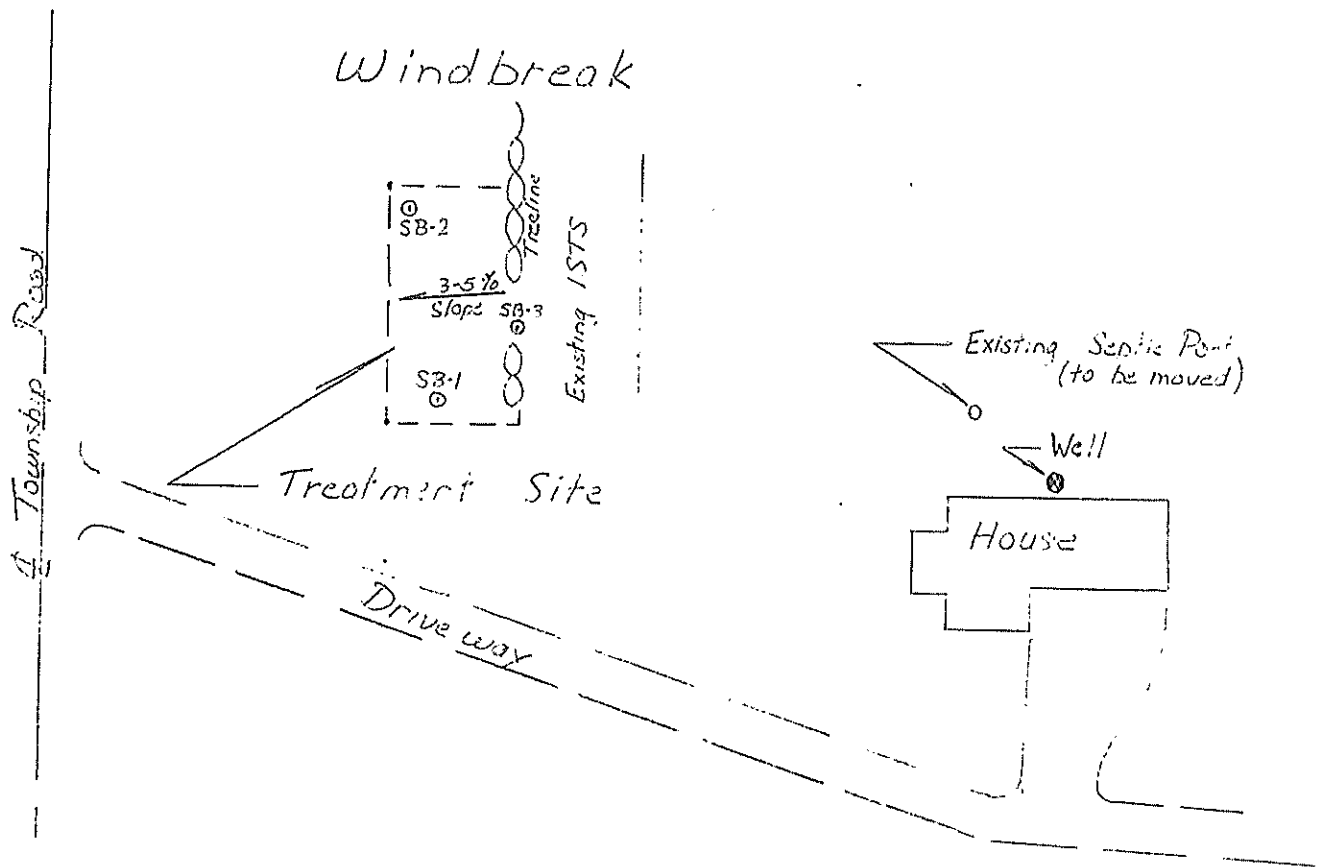
Observed at 5.1 feet of depth.

Not present in boring hole _____.

Bob Braaten Construction
- Robert Dryden Residence
- RR 1 Box 102, Kasson, MN.
- W $\frac{1}{2}$, NW $\frac{1}{4}$, 105-16-1, Dodge Co.

Scale : 1 inch $\approx$ 50'

* All Distances Approximate



CMS ENVIRONMENTAL SERVICES, INC.

SOIL PROFILE DESCRIPTION

PAGE

Boring No.: SB-2 Date: 10-14-96
 Job Description: Bob Braaten Construction
 Location: Bob Dryden Residence Cty.: Dodge Twp. Rng.: 105-16
 Sec.: 1 Qtr.: W1/2, NW1/4
 Desc. By: S.E. Lawler Equipment: Power Probe
 Slope: 4 % Vert. Shape: _____ Horiz. Shape: _____ Aspect: W
 Landform: Lower Sideslope in upland
 Parent Material(s): Erosional/bedrock residium
 Vegetation: Lawn Remarks: _____

Layer (inches): 0-13 Horizon:
 Texture: Loan Horizon Elements:(kind)
 Color: Very Dark Grayish Brown 10YR3/2 (location)
 Structure: Strong Granular (amount) % of surface
 Consistency: Friable (size) mm (dia.)
 Co. Frag.(%): Boundary: Clear

Layer (inches): 13-22 Horizon:
 Texture: Sandy Loan Horizon Elements:(kind)
 Color: Dark Brown 10YR4/3 (location)
 Structure: Mod. Sub-Angular Blocky (amount) % of surface
 Consistency: (size) mm (dia.)
 Co. Frag.(%): Boundary: Abrupt

Layer (inches): 22-40 Horizon:
 Texture: Loamy Fine Sand Horizon Elements:(kind)
 Color: 10YR6/4 (location)
 Structure: Weak (amount) % of surface
 Consistency: Very Friable (size) mm (dia.)
 Co. Frag.(%): Boundary: Clear

Layer (inches): 40-58 Horizon:
 Texture: Cobbly Sandy Loan Horizon Elements:(kind)
 Color: 10YR6/4 (location)
 Structure: (amount) % of surface
 Consistency: (size) mm (dia.)
 Co. Frag.(%): > 58 Refusal Boundary:

Layer (inches): Horizon:
 Texture: Horizon Elements:(kind)
 Color: (location)
 Structure: (amount) % of surface
 Consistency: (size) mm (dia.)
 Co. Frag.(%): Boundary:

CMS ENVIRONMENTAL SERVICES, INC.
SOIL PROFILE DESCRIPTION

PAGE

Boring No.: SB-1 Date: 10-14-96
 Job Description: Bob Braaten Construction
 Location: Bob Dryden Residence Cty.: Dodge Twp. Rng.: 105-16
 Desc. By: S.E. Lawler Sec.: 1 Qtr.: W1/2, NW1/4
 Equipment: Power Probe
 Slope: 5 % Vert. Shape: _____ Horiz. Shape: _____ Aspect: W-SW
 Landform: Lower Sideslope in upland
 Parent Material(s): Erosional/bedrock residium
 Vegetation: Lawn Remarks: _____

Layer (inches): 0-23
 Texture: Silt Loam > Sand
 Color: Very Dark Grayish Brown 10YR3/2
 Structure: Strong Fine Sub-Angular Blocky
 Consistency: Friable
 Co. Frag. (%): _____
 Horizon: _____
 Horizon Elements: (kind) _____
 (location) _____
 (amount) _____
 (size) _____
 Boundary: Gradual
 % of surface
 mm (dia.)

Layer (inches): 23-34
 Texture: Heavy Loam
 Color: Dark Brown 10YR4/3
 Structure: Mod. Med. Sub-Angular Blocky
 Consistency: Friable
 Co. Frag. (%): _____
 Horizon: _____
 Horizon Elements: (kind) _____
 (location) _____
 (amount) _____
 (size) _____
 Boundary: Clear
 % of surface
 mm (dia.)

Layer (inches): 34-41
 Texture: Clay Loam
 Color: Yellowish Brown 10YR5/4
 Structure: Mod. Med. Sub-Angular Blocky
 Consistency: Friable
 Co. Frag. (%): _____
 Horizon: _____
 Horizon Elements: (kind) V Dk Grayish Brown 10YR3/2 Coatings
 (location) Ped Surfaces
 (amount) 10-20 % of surface
 (size) mm (dia.)
 Boundary: Clear

Layer (inches): 41-62
 Texture: Sandy Loam Residium
 Color: 10YR6/3
 Structure: _____
 Consistency: _____
 Co. Frag. (%): > 62 Refusal
 Horizon: _____
 Horizon Elements: (kind) Yellowish Brown 10YR5/4 Layers
 (location) _____
 (amount) _____
 (size) _____
 Boundary: _____
 % of surface
 mm (dia.)

Layer (inches): _____
 Texture: _____
 Color: _____
 Structure: _____
 Consistency: _____
 Co. Frag. (%): _____
 Horizon: _____
 Horizon Elements: (kind) _____
 (location) _____
 (amount) _____
 (size) _____
 Boundary: _____
 % of surface
 mm (dia.)

SEPTIC SYSTEM SITE PLAN DRAWING

REQUIRED INFORMATION:

- ☐ Designated and Alternate drainfield areas
- ☐ Soil borings and Perc Test locations
- ☐ Lakes, Rivers, Streams, Wetlands
- ☐ Location of water wells, buried pipes,

- ☐ All setbacks as listed below
- ☐ Direction of slope
- ☐ Location of all buildings
- ☐ Location of all easements

Setbacks (minimum distance identified in parentheses)

- _____ Building to tank (10 ft)
- _____ Building to drainfield (20 ft)
- _____ Type of well (cased ☐ sandpoint ☐ dug ☐)
- _____ Depth of well casing
- _____ Well to tank (septic/holding/pump) 50 ft
- _____ Well to proposed drainfield (50-100 ft)

- _____ Water line (10 ft)
- _____ Property boundary (10 ft)
- _____ Road right-of-way(s) 10 ft)
- _____ River or stream (75 ft)
- _____ Well to buried sewer line (50 ft/20-50 ft air tested)
- _____ Neighbor wells to proposed drainfield (50-100 ft)

