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## ZIERKE SOIL TESTING

Bretta Grinsteinner  
12250 Upper Heather Ave N  
Hugo, MN 55038

6/15/2021

Dear Bretta Grinsteinner,

At your request, I have conducted a septic inspection to determine the compliance status of your septic system pursuant to Minnesota Rules Chapter 7080.1500.

The compliance test set out in 7080.1500 has three main inquiries: 1). Is the system functioning hydraulically (disposing of effluent in a manner that prevents it from coming in contact with people)? 2). Are the septic tanks water tight? 3). Does the system have sufficient vertical separation between the bottom of the septic system and restrictive layers (bedrock, standing water, seasonally wet layers, etc) to provide full treatment of effluent?

Based off of these criteria, your system is compliant. A certification of compliance is in effect for three years from the date it is issued. To be clear, this should not be construed as a guarantee of future system function – there are too many factors that influence the lifespan of a septic system for an inspector to predict or even guess how long a septic system will last. A copy of this report will be filed with your local unit of government for their records.

Sincerely,



Benjamin Zierke  
MPCA Lic 119, Cert 9594

ADDRESS:  
28587 Jeffrey Ave  
Chisago City, MN 55013

PHONE 651-249-1346  
EMAIL benzierke@gmail.com

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# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

**Instructions:** Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached supporting documentation – additional local requirements may also apply. Further information can be found here: <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

**Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance.**

### Property information

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

Parcel ID# or Sec/Twp/Range: 3303121410004 Local regulatory authority: Washington County

Property address: 12250 Upper Heather Ave N Hugo, MN 55038

Owner/representative: Bretta Grinsteiner Owner's phone: 602-402-0005

Brief system description: Two pre cast 1250 gallon septic tanks, 1000 gallon lift station, drop box drainfield

### System status

System status on date (mm/dd/yyyy): 6/15/2021

**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**

*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.*

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

#### 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: Zierke Soil Testing

Certification number: 9594

Inspector signature: \_\_\_\_\_

License number: 119

*(This document has been electronically signed)*

Phone: 651-249-1346

### Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- Locally required forms
- Tank Integrity Assessment
- Operating Permit

Other information (list):

Site sketch, previous soil observations



## 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

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

### Describe verification methods and results:

Bretta has not had any issues with the system - no signs of surface discharge or backup observed during site visit 6/11/2021.

### 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?	<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:	

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

### Describe verification methods and results:

Present for pumping by Smilies Sewer 6/11/2021. Tanks watertight and baffles in place.

### Attached supporting documentation:

Pumped at time of inspection  
 Name of maintenance business: Smilies  
 License number of maintenance business: 2428  
 Date of maintenance: 6/11/2021  
 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: \_\_\_\_\_

### 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)  \_\_\_\_\_

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

Date of installation 5/9/1994  Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**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 (Advanced Inspector License required)  Yes  No\*

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

**Attached supporting documentation:**

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

**Indicate depths or elevations**

A. Bottom of distribution media	27"
B. Periodically saturated soil/bedrock	65"+
C. System separation	38"+
D. Required compliance separation*	36"

\*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.





# APPLICATION FOR PERMIT TO INSTALL SEWAGE TREATMENT SYSTEM

RECEIVED WASHINGTON COUNTY PUBLIC HEALTH

14000 - 51ST STREET N., P.O. BOX 6

DEC 21 1993

STILLWATER, MN 55082-0006  
(612) 430-6708

PUBLIC HEALTH

FOR COUNTY USE ONLY

Application Number

21-93065

Application Fee - \$100.00 Pet/50  
Permit Fee - \$100.00  
Mound Permit - \$150.00

Additional Reviews - \$25.00/hr. (1 hr. min.)  
Subdivision Fee - \$100.00 + \$50.00/lot

Make checks payable to WASHINGTON COUNTY TREASURER

Legal Description and Parcel Identification Number

LOT 3 BLOCK E DELLWOOD RIDGE  
HUGO: WASH. CO

geo: 33-31-21-41-0004

93165-2050

Applicant RAY PEDERSON  
LEGRAH HOMES

Mailing Address City State Zip Phone  
1521 94TH LANE BLAINE MINN 55434 780-5756  
NO. EAST

Owner (if different from applicant)

(Mark Houston listed as owner in assessor's file.)

Use of Building: HOME

Number of Bedrooms or Gallons Per Day: 4 BEDS

Check the following fixtures which are or will be installed:

Garbage Disposal no

Recreational Bathing Facility (Jacuzzi, hot tub, etc.) no

Type of Work:  New  Alteration  Repair  Approval Only

Has site previously been reviewed by Washington County?  No  
(If previously approved, attach letter of approval)

Approved  Yes  Denied

The following exhibits are required as part of this application and shall be attached hereto: Percolation Test Logs; Soil Boring Logs; Site Plan drawn to scale showing location of buildings, lot lines, percolation test holes, soil boring holes, proposed location of system and well; 2 copies of the System Design; and 1 copy of the Final Building Plan. The house and the drainfield areas must be staked. Improper or inadequate test information will result in delays in processing.

Agreement: The undersigned hereby makes Application for Permit to Install or Extend Sewage Treatment System herein specified, agreeing that all such work shall be done in strict accordance with ordinances and regulations of the County of Washington, Minnesota. Applicant agrees that the Site Plan, Sketches and Design submitted herewith, and which are reviewed by the Washington County Building Official or his agent, together with any requirement and/or restriction made necessary by conditions peculiar to a particular location, shall become a part of the permit. Applicant further agrees to provide access, at reasonable times, to the Building Official or his agent for the purpose of performing inspections required and that no part of the system shall be covered until it has been inspected and accepted. APPLICATION IS FOR AN INSTALLATION AT A SPECIFIC LOCATION; ANY DEVIATION FROM THE APPROVED LOCATION WILL VOID THE PERMIT. It shall be the responsibility of the applicant for the permit to notify the Office of the Building Official that the installation is ready for inspection.

J. C. Madson  
Signature of Applicant (This form must be signed)

12-21-93  
Date

Equal Employment Opportunity/Affirmative Action

## FOR OFFICE USE ONLY:

Reviews: Planner \_\_\_\_\_

Inspector P. [Signature]

Date 12-29-93

Site Evaluation:

Soil Boring Evaluation: Depth of Water Table, Seasonal Water Table (Mottled Soil), Impervious Layer or Bedrock:

Soils Map Data: \_\_\_\_\_

Percolation Test Evaluation: \_\_\_\_\_

Setbacks:

Required (circle) Actual

Wall (including adjacent property)

50' 75' 100' 150'

Wetland, Pond, Lake, Stream, River, or Bluffline

20' 40' 75' 100' 150'

Conclusions:

Site Suitable:  Site Unsuitable: \_\_\_\_\_

Additional Tests Required: \_\_\_\_\_

Verify Use: \_\_\_\_\_

NOTES:

Lot Size 5.00 acres

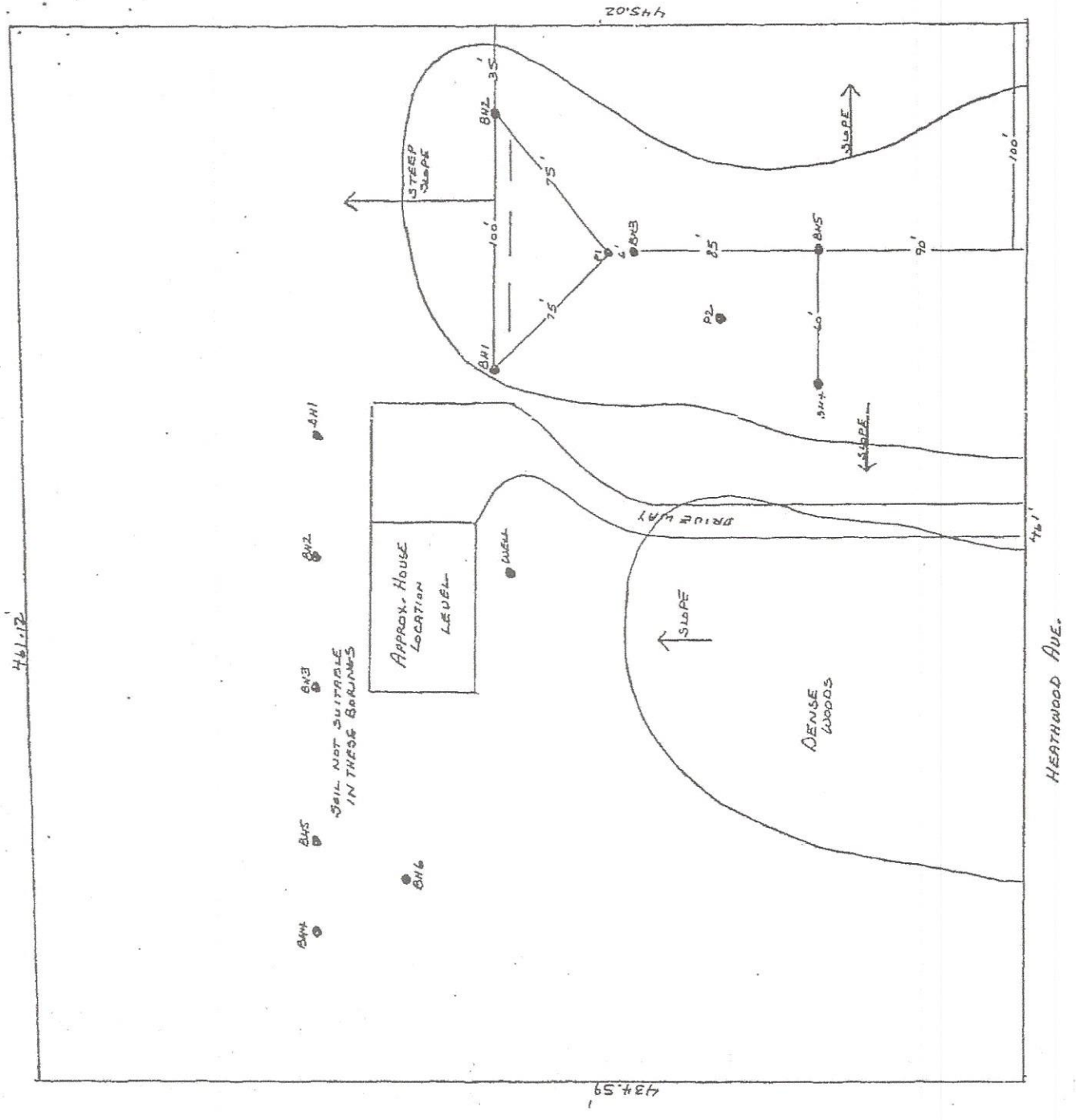
Built \_\_\_\_\_

Sandy loam + rocks - woodchips

LEGAM HOMES  
 Lot 3, Bk 1  
 ORCHWOOD ROAD  
 HUGO

SCALE: 1" = 60'

NORTH  
 →





JOB LAGRAM HOMES  
LOT 3, BLK 1, DELWOOD RIDGE  
HUGO

BORING LOG

NORTHEAST SITE  
 CLOUDY - OVERCAST

DATE 12-15-16-93

BORING DIAMETER 4" - 3 1/2" - 2 1/2" - 1 1/2" HAND AUGER

DEPTH FEET	HOLE #1	HOLE #2	HOLE #3	HOLE #4	HOLE #5	HOLE #6
1	TOP SOIL BROWN, MEDIUM SAND WITH LIGHT LOAM	TOP SOIL BROWN, MEDIUM SAND WITH LIGHT LOAM - 1" TO 4" ROCKS	TOP SOIL BROWN, MEDIUM SAND WITH LOAM - 1" TO 4" ROCKS	TOP SOIL BROWN, MEDIUM SAND WITH LOAM - 1" TO 3" ROCKS	TOP SOIL BROWN, MEDIUM SAND WITH LIGHT LOAM	TOP SOIL BROWN, MEDIUM SAND WITH LIGHT LOAM
2	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY - HEAVY 1" TO 3" ROCKS	BROWN, SANDY CLAY - 1" TO 3" ROCKS	BROWN, SANDY CLAY - 1" TO 3" ROCKS
3	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY
4	BROWN, MEDIUM SAND WITH LIGHT CLAY	BROWN, MEDIUM SAND WITH LIGHT CLAY	STOP	OBSTRUCTION STOP	BROWN, MEDIUM SAND WITH LIGHT CLAY LAYERS	BROWN, MEDIUM SAND WITH LIGHT CLAY LAYERS
5	BROWN, MEDIUM SAND WITH LIGHT CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY	BROWN, SANDY CLAY
6	BROWN CLAY	STOP	STOP	STOP	BROWN CLAY	BROWN CLAY
7	STOP	STOP	STOP	STOP	STOP	STOP
8						
9						
10						



### Log Of Soil Borings

Location of Project:		12550 Upper Heather Ave N, Hugo, MN 55038	
Borings Made By:		Inspect Minnesota	Date: 12/11/017
Auger Used:		Hand/ Bucket	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	Same ground surface as last drainfield trench		Surface Elevation of Boring
Depth In Inches	Soils Encountered	Depth In Inches	Soils Encountered
0-3	10YR 2/2 Sandy Loam		
3-8	10YR 3/4 Sandy Loam		
8-19	10YR 3/3 Sandy Loam		
19-27	10YR 3/4 Medium Sand With Gravel ≈ 20% Rock Fragments		
27-50	10YR 4/4 Medium Sand (Dry) With Gravel ≈ 10% Rock Fragments		
50-65	10YR 3/4 Medium Sand (Dry) With Gravel ≈ 15% Rock Fragments Refusal At 65"		
65"	Depth To End Of Boring Or Redox		Depth To End Of Boring Or Redox
Same	Elevation Of Boring Relative To System		Elevation Of Boring Relative To System
-27"	Depth To Bottom Of Distribution Media		Depth To Bottom Of Distribution Media
≥ 36"	Of Separation		Of Separation
End Of Boring At:	65"	End Of Boring At:	
Redox Present At:	None	Redox Present At:	
Standing Water Present At:	None	Standing Water Present At:	

Bottom Of Distribution Medium At: 27 Inches

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