

ZIERKE SOIL TESTING

Pete Fuglie
23889 Jensen Ave N
Forest Lake, MN 55025

1/20/2021

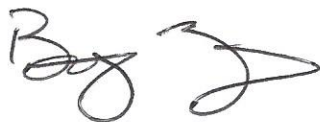
Dear Pete Fuglie,

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

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: 0103221220006 Local regulatory authority: Washington County

Property address: 23889 Jensen Ave N Forest Lake, MN 55025

Owner/representative: Pete Fuglie Owner's phone: 651-571-6014

Brief system description: (2) 1250 gallon pre-cast septic tanks, 1000 gallon lift station, mound dispersal system

System status

System status on date (mm/dd/yyyy): 1/20/2021

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):

System Sketch

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:

Pete has not had any past issues with the system. No signs of ponding or seepage observed during site visit 1/19/2021.

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 Service. Used go-pro camera to view tanks - tanks are watertight and baffles are in place.

Attached supporting documentation:

Pumped at time of inspection
 Name of maintenance business: Smilies
 License number of maintenance business: 2428
 Date of maintenance: 1/19/2021
 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 9/7/1995 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

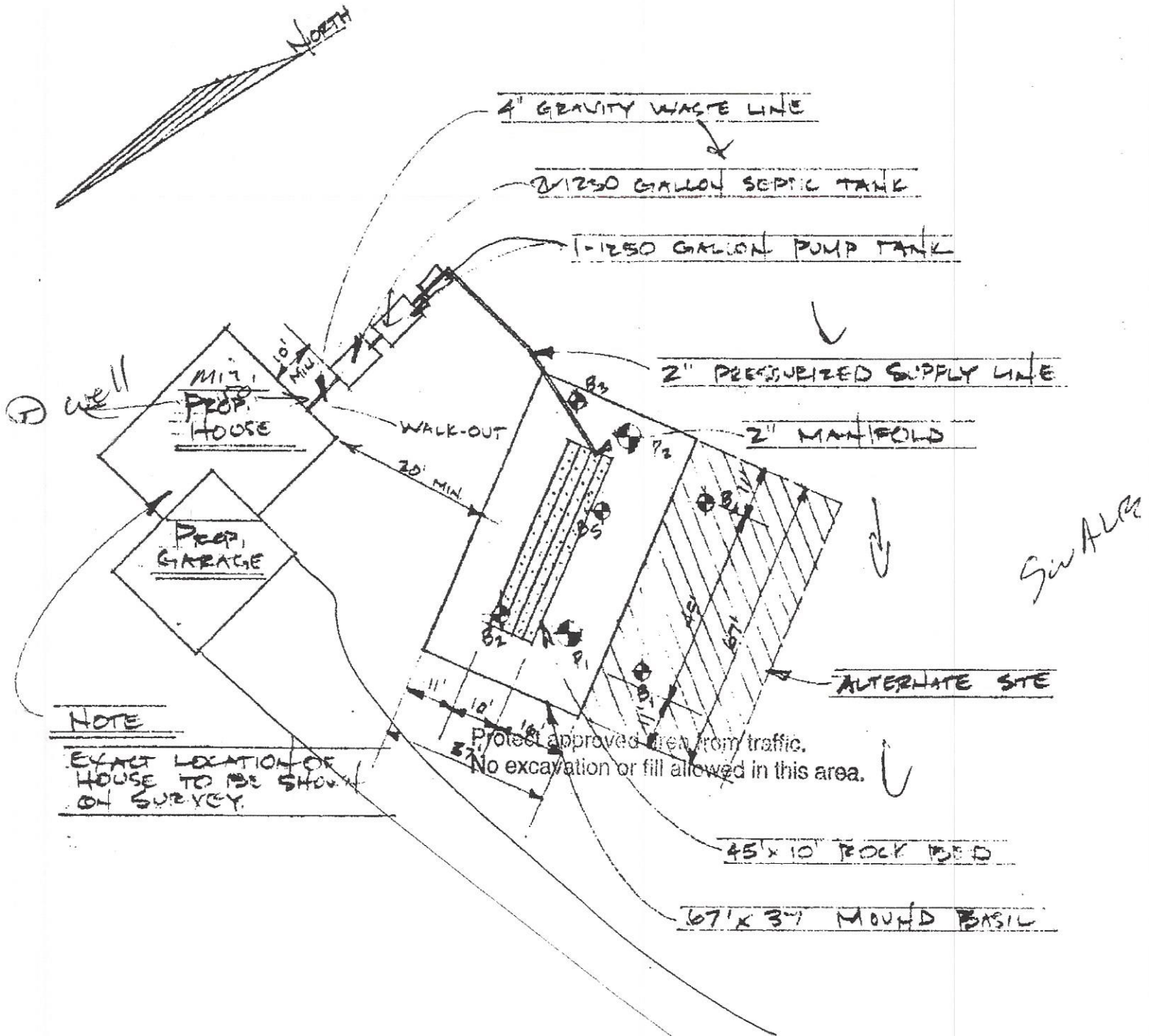
A. Bottom of distribution media	101.0'
B. Periodically saturated soil/bedrock	97.7'
C. System separation	3.3'
D. Required compliance separation*	2.0'

*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.



NOTE
 EXACT LOCATION OF HOUSE TO BE SHOWN ON SURVEY.

Protect approved area from traffic.
 No excavation or fill allowed in this area.

ERIC & BERING LAYOUT
MOUND DESIGN
 SCALE - 1" = 30'

PERMIT # 84 95 079
 CONDITIONALLY APPROVED



SOIL REVIEW/SEPTIC PERMIT APPLICATION

23889 Gronson Ave. N.

RECEIVED

Washington County Health, Environment & Land Management

14900 61st Street N., P.O. Box 3803

Stillwater, MN 55082-3803

612/430-6708 or 612/430-6656 FAX 612/430-6730

SEP 8 1995

FEE PAID 250.00

Receipt # 21156

FOR COUNTY USE ONLY

84-95079

Make checks payable to HELM WASHINGTON COUNTY TREASURER

\$100 - Application Fee (site review)

\$25 - Additional Review Fee (1 hour minimum)

\$100 - Drainfield System Permit Fee

\$100 base fee, plus \$50 per lot - Subdivision Fee

\$150 - Mound System Permit Fee

GED: 01-032-21-22-0006

Legal Description and Parcel Identification Number
 Lot 1 Block 4 Hunters Hill 81321-2650

Applicant	Address	City	State	Zip	Phone
Twin STAR Homes Inc.	1971 208 th Ln. NW	cedar	MN	55011	753-5632
Owner (if different from applicant)	Address	City	State	Zip	Phone
Pete Engler	1175 E. Co. Rd D #337	Vadnais Heights	MN	55109	481-1394
Use of Building: <u>House</u>	Number of Bedrooms: <u>3</u>	Gallons Per Day <u>753</u> <u>0333</u>			

Check the following fixture(s) which are or will be installed: Garbage Disposal NO Recreational Bathing Facility: (jacuzzi, hot tub, etc.)

New System Approval Only Previously Approved Denied Existing System Repair Existing System Alteration Fill Site

If this site has been previously approved, please attach a copy of the approval letter

The following exhibits are required as part of this application and shall be attached hereto: Percolation Test Reports; 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; two (2) copies of the System Design; and one (1) copy of the Final Building Plan. The house and the drainfield areas must be staked. Inaccurate or incomplete 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.

In connection with your request for a soil review/septic permit, you are hereby giving us permission to enter upon your property during normal business hours for the purpose of determining the suitability of the location, which may include minor excavation or soil borings.

Ronald E. Burgoyne 9-7-95
 Signature of Applicant (Owner or Builder) Date

FOR OFFICE USE ONLY

REVIEWS: PLANNER _____ INSPECTOR P. Gant DATE 9-11

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 appropriate item(s)]
Well (including adjacent property)	50' 75' 100' 150' Actual
Wetland, Pond, Lake, Stream, River, or Bluffline	20' 40' 75' 100' 150'

CONCLUSIONS: Site Suitable: _____ Site Unsuitable: _____ Additional Tests Required: _____ Verify User 3BR

NOTES: Lot Size 3.70 acres Year Built _____
10-24" sandy loam over
variable reddish-brown till
mottled @ 28" at P1
Small area - only 50x50 tested

SOIL BORING AND PERCOLATION TEST REPORT

Date 8-28-95

Name MARCUS FUGUE

Address LOT BCK. HUNTERS HILL ROAD.

FINDINGS

Test hole	Boring #1	Boring #2	Boring #3
Soil Type Depth-----	0"-21" SAND Porewater 21"-42" SANDY CLAY & GRAVEL TANT MOTTLES @ 40" HIT ROCK DRY HOLE	0"-20" SAND Porewater 20"-32" SANDY CLAY & GRAVEL TANT 32"-44" CLAY & GRAVEL RED MOTTLES @ 34" DRY HOLE	0"-11" FINE SANDY LOAM DARK SANDY 11"-26" SANDY CLAY & GRAVEL RED MOTTLES FOUND HIT ROCK DRY HOLE
Percolation Results	PERK #1 @ 12" 1.7 MPI	PERK #2 @ 12" 1.8 MPI	

Plan Sketch: See Attached

General Notes:

SEE ATTACHED MOWA'S DESIGN

Remarks:

By: Mark Tradewell - Consultant Mark Tradewell

Phone: 753-6222 MPCA #2306

Profile #4

0"-18"

SAND
BROWN

18"-30"

SANDY LOAM &
GRAVEL

BROWN-TAN

30"-38"

CLAY - GRAY

38"-48"

SILTY LOAM
RED

MOTTLED @ 28"

DRY HOLE

Profile #5

0"-8" TOPSOIL

FINE SANDY LOAM

DARK BROWN

SAND - 8"-18"

BROWN

18"-26"

SANDY LOAM & GRAVEL

TAN

26"-36"

SANDY CLAY &
SILTY CLAY - RED

MOTTLED @ 26"

DRY HOLE