Minnesota Pollution Control Agency

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

Compliance Inspection Form

Existing Subsurface Sewage Treatrnent Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 2/22/2017

☒ **Compliant – Certificate of Compliance**
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

☐ **Noncompliant – Notice of Noncompliance**
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance *(check all applicable)*

- ☐ Impact on Public Health *(Compliance Component #1) – Imminent threat to public health and safety*
- ☐ Other Compliance Conditions *(Compliance Component #3) – Imminent threat to public health and safety*
- ☐ Tank Integrity *(Compliance Component #2) – Failing to protect groundwater*
- ☐ Other Compliance Conditions *(Compliance Component #3) – Failing to protect groundwater*
- ☐ Soil Separation *(Compliance Component #4) – Failing to protect groundwater*
- ☐ Operating permit/monitoring plan requirements *(Compliance Component #5) – Noncompliant*

Property Information

Parcel ID# or Sec/Twp/Range: 0102621120006

Property address: 11638 120th St. S. Denmark Township, MN 55033

Reason for inspection: Property Transfer

Property owner: Craig and Susan Oberg

Owner's phone: 612-237-8878

or

Owner's representative:

Representative phone:

Local regulatory authority: Washington County

Regulatory authority phone: 651-430-6655

Brief system description: 2 Septic Tanks and 1 Pump Tank to Gravity Drainfield

Comments or recommendations:

System was installed with a permit from Washington County in 2002.

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.

Inspector name: Dave Brown

Certification number: C#9370

Business name: David R. Brown

License number: L#3649

Inspector signature: Dave R. Brown

Phone number: 651-788-3296

Necessary or Locally Required Attachments

☒ Soil boring logs ☒ System/As-built drawing ☐ Forms per local ordinance

☐ Other information (list):

Property address: 11638 120th St. S. Denmark Township, MN 55033 Inspector initials/Date: DRB | 2/22/2017 (mm/dd/yyyy)

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.

Comments/Explanation:

Verification method(s):

- ☒ Searched for surface outlet
- ☒ Searched for seeping in yard/backup in home
- ☐ Excessive ponding in soil system/D-boxes
- ☐ Homeowner testimony *(See Comments/Explanation)*
- ☐ "Black soil" above soil dispersal system
- ☐ System requires "emergency" pumping
- ☐ Performed dye test
- ☐ Unable to verify *(See Comments/Explanation)*
- ☐ Other methods not listed *(See Comments/Explanation)*

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:	
System consists of a seepage pit, cesspool, drywell, or leaching pit. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ☒ No

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

Comments/Explanation:

Verification method(s):

- ☒ Probed tank(s) bottom
- ☐ Examined construction records
- ☐ Examined Tank Integrity Form *(Attach)*
- ☐ Observed liquid level below operating depth
- ☐ Examined empty (pumped) tanks(s)
- ☐ Probed outside tank(s) for "black soil"
- ☐ Unable to verify *(See Comments/Explanation)*
- ☐ Other methods not listed *(See Comments/Explanation)*

3. Other Compliance Conditions – Compliance component #3 of 5

a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknown

b. Other issues *(electrical hazards, etc.)* to immediately and adversely impact public health or safety. ☐ Yes* ☒ No ☐ Unknown
***System is an imminent threat to public health and safety.**

Explain:

c. System is non-protective of ground water for other conditions as determined by inspector . ☐ Yes* ☒ No
***System is failing to protect groundwater.**

Explain:

Property address: 11638 120th St. S. Denmark Township, MN 55033 Inspector initials/Date: DRB | 2/22/2017 (mm/dd/yyyy)

4. Soil Separation – Compliance component #4 of 5

Date of installation: 7/30/2002 (mm/dd/yyyy) ☐ Unknown

Shoreland/Wellhead protection/Food beverage lodging? ☐ Yes ☒ No

Compliance criteria:

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
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
"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) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

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

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

☒ Conducted soil observation(s) *(Attach boring logs)*
☐ Two previous verifications (*Attach boring logs)*
☐ Not applicable *(Holding tank(s), no drainfield)*
☐ Unable to verify *(See Comments/Explanation)*
☐ Other *(See Comments/Explanation)*

Comments/Explanation:

Indicate depths or elevations

A. Bottom of distribution media	18"
B. Periodically saturated soil/bedrock	54"
C. System separation	36"
D. Required compliance separation*	36"

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

5. Operating Permit and Nitrogen BMP* – Compliance component #5 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? ☐ 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. Operating Permit number: _____ Have the Operating Permit requirements been met?	☐ Yes ☐ No
b. Is the required nitrogen BMP in place and properly functioning?	☐ Yes ☐ No

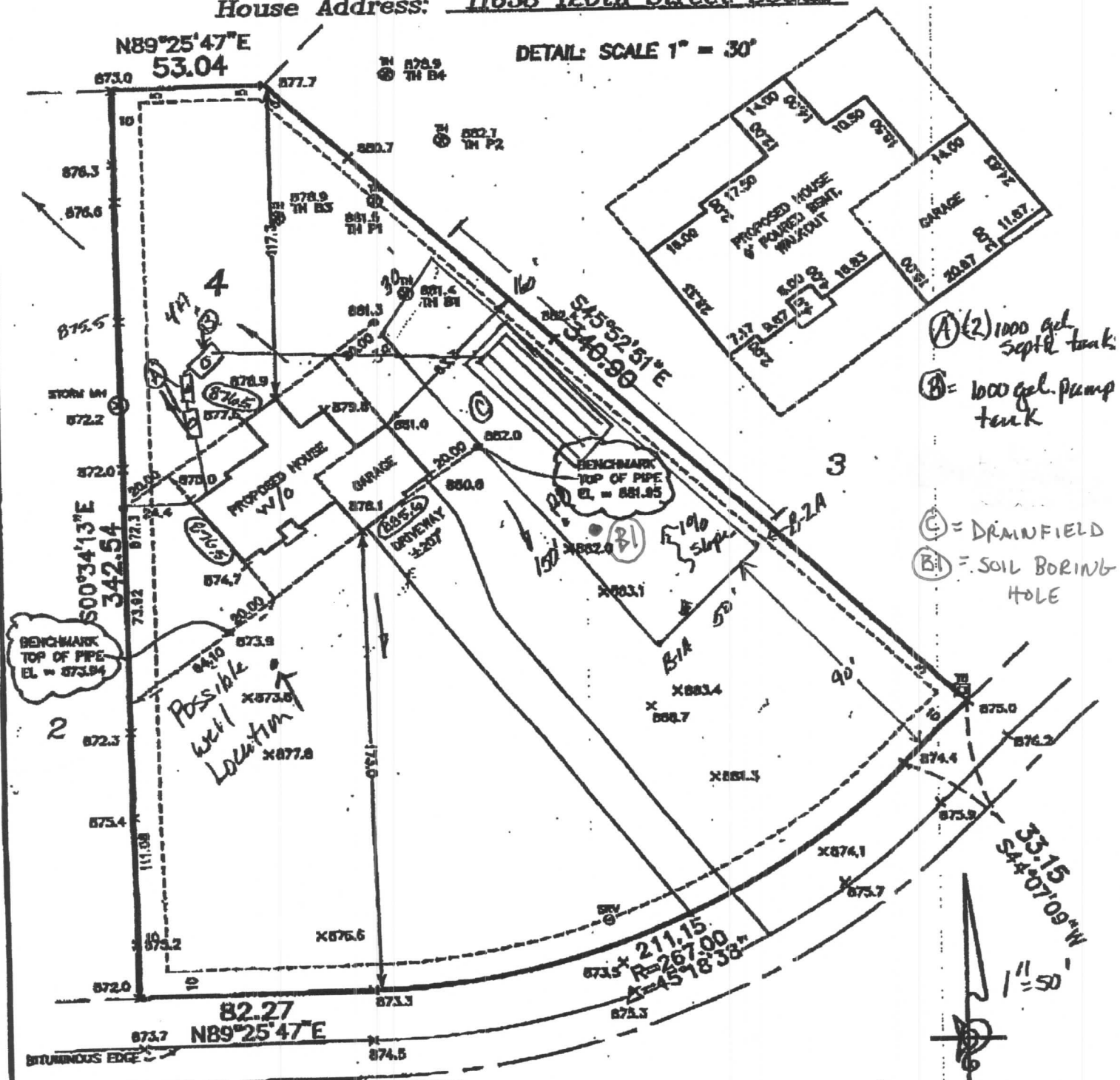
Any "no" answer indicates Noncompliance.

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.*

(763) 783-1880 FAX: 783-1883

Certificate of Survey for: KINGSBOROUGH HOMES

House Address: 11638 120th Street South



120TH STREET SOUTH

- 000.0 Denotes Emergency Overflow
- x 000.0 Denotes Existing Elevation
- x 000.0 Denotes Proposed Elevation
- Denotes Drainage Flow Direction
- Denotes Drainage & Utility Easement
- Denotes Monument
- Denotes Offset Iron

Bearings shown are assumed

PROPOSED BUILDING ELEVATIONS

Lowest Floor Elevation: 877.0

Top of Foundation Elevation: 886.0

Garage Slab Elevation: 885.6 (at door)

NOTE: Proposed building site grading is in accordance with the grading plans approved by the city engineer.

NOTE: Contractor must verify all dimensions & driveway design.

LOT 4 . BLOCK 1, EAGLES WATCH

Log of Soil Borings

Location: **11638 120th St S Denmark Township, MN 55033**
Date: **2/22/2017**

Boring Hole Depth in Inches	Texture	Color
B1		
0-9	Sandy Silt Loam	10YR3/3
9-30	Silt Loam	10YR4/3
30-54	Fine Sand	10YR5/6
Slight Signs of Redox after 54"		
B2		
B3		
B4		

Boring Hole Depth in Inches	Texture	Color
B5		
B6		
B7		
B8		

Tri-City / William Lloyd Analytical Laboratory
9300 Poplar Bridge Road • Bloomington, MN 55437 • (952) 563-4904

Sample Result Report

Report Date: February 24, 2017

Client: Dave Brown
Address: 4787 Radio Drive
Woodbury, MN 55129
Sample Collector: DB
Collection Date: 02/22/17
Collection Time: 13:21
Client ID: 11638 120th St. S
Denmark Township, MN

Received By: DJW
Received Date/Time: 02/22/17 14:14
Sample Condition Upon Receipt:
■ Acceptable
□ Other_____

Sample ID			**AA99570**		
Analysis Name	**Analysis Reference**	**Analysis Start Date**	**Analyst**	**Combination Result**	**Analysis Unit**
Nitrate as N	EPA 353.2	02/23/17	DJW	<0.02	mg/L
P/A total coliform	Readycult	02/22/17	BML	Absent	coliform/100mL
Nitrite as N	EPA 353.2	02/23/17	DJW	<0.02	mg/L
E. coli confirmation (indole test)	40 CFR 141.21	02/22/17	BML	Absent	E.coli/100mL
Lead	EPA 200.7	02/24/17	DJW	<1	ug/L

The analyte(s) reported, for the sample(s) listed above, meet standards set by the Minnesota Department of Health and U. S. Environmental Protection Agency for safe drinking water.

MCL (maximum contaminant level) set by the EPA for Lead 15ug/L
MCL (maximum contaminant level) set by the EPA for Nitrate.....10mg/L
MCL (maximum contaminant level) set by the EPA for Nitrite.....1mg/L
MCL (maximum contaminant level) set by the EPA for Total Coliform.....Absent

Approved by: Deb Weltzin

Deb Weltzin
Water Quality Supervisor

Laboratory Identification Number: 027-053-355

The results in this report apply only to the above listed samples. All routine quality assurance procedures were followed, unless otherwise noted. This analytical report must be reported in its entirety. All methods are certified by the Minnesota Department of Health, unless otherwise noted. EPA 200.7 for the analysis of lead in drinking water is not certifiable by the MDH.