



**Minnesota Pollution Control Agency**

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

# Compliance Inspection Form

## Existing Subsurface Sewage Treatment 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.

For local tracking purposes:

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

### System Status

System status on date (mm/dd/yyyy): 4/16/2020

**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: 28.031.21.43.0004

Property address: \_\_\_\_\_ Reason for inspection: Point of sales

Property owner: White oak heights homeowner association Owner's phone: 651-982-1368 Debbie

or  
Owner's representative: \_\_\_\_\_ Representative phone: \_\_\_\_\_

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6679

Brief system description: 6000 gallon septic tank, 6000 galloon split tank, 2000 gallon pump tank with trenches

#### Comments or recommendations:

No operating permit for this system

**RECEIVED**

APR 29 2020

**PUBLIC HEALTH**

### 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: Amy Thompson Certification number: 7638

Business name: AT Septic Inspection & Design inc. License number: 3886

Inspector signature: *Amy Thompson* Phone number: 320-980-0235

### Necessary or Locally Required Attachments

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

Other information (list): \_\_\_\_\_

**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.**

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. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:

**4. Soil Separation – Compliance component #4 of 5**

**Date of installation:** 10/30/1997  Unknown  
(mm/dd/yyyy)

**Shoreland/Wellhead protection/Food beverage lodging?**  Yes  No

**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.*

**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:*  Yes  No

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

- 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)

*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.\*

**Comments/Explanation:**

See attached map for installation

*"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.

**Indicate depths or elevations**

A. Bottom of distribution media	12-30"
B. Periodically saturated soil/bedrock	54-66"
C. System separation	36"
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.**

**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: \_\_\_\_\_  Yes  No  
Have the Operating Permit requirements been met?
- 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.*

Application Number
Tax Parcel Number

Please be as complete as possible. Include all of the items listed below where applicable.

GENERAL CHECKLIST

- scale
- north arrow
- lot dimensions
- structure location
- side lot setback
- road setback
- septic tank location
- drainfield location
- location of all wells within 100' of drainfield
- fill & grading limits
- vegetation alteration limits

WATER RESOURCE CHECKLIST

- location of floodway
- location of flood fringe
- location of ordinary high water level (OHWL)
- location of present water line
- setback from OHWL
- location of highest known water level
- existing local drainage
- location of wetland areas



Not to

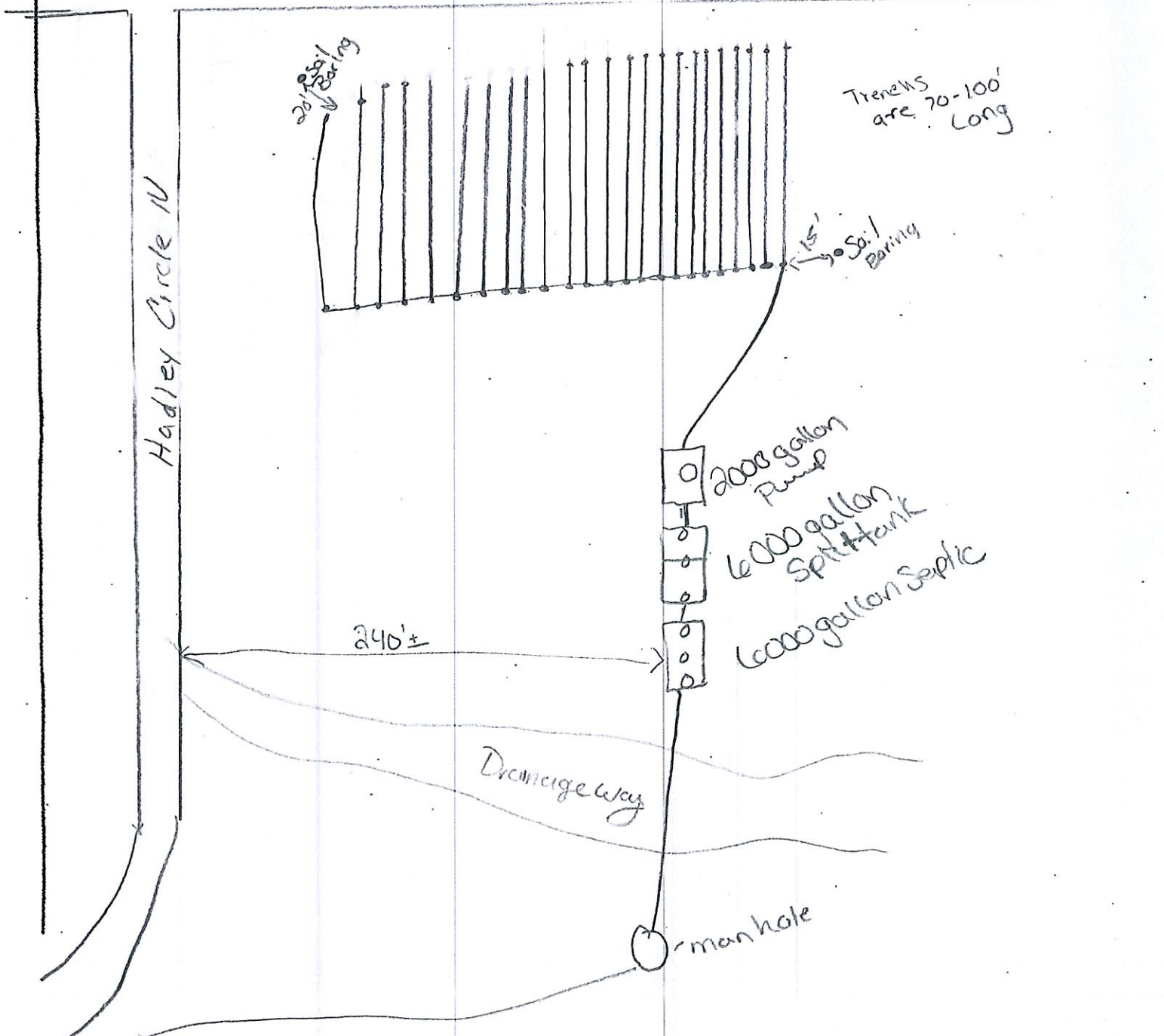
Scale of Diagram: 1 inch = ~~\_\_\_\_\_~~

Drawing By: \_\_\_\_\_

Date of Drawing: \_\_\_\_\_

System has Alternating Pumps

132<sup>nd</sup> Street





# Soil Observation Log

Project ID: v 04.01.2020

Client: <b>White Oak Heights</b>		Location / Address: <b>28.031.21.43.0004</b>							
Soil parent material(s): (Check all that apply) <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (select one) <b>Grass</b>		Elevation-relative to benchmark: <b>Linear, Linear</b>							
Vegetation: <b>Grass</b>		Limiting Layer Elevation: <b>Soil survey map units:</b>							
Weather Conditions/Time of Day: <b>Sunny</b>		Date: <b>04/16/20</b>							
Observation #/Location: <b>1</b>		East of System							
Observation Type: <b>Auger</b>		Structure: <b>-----</b>							
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		
							Shape	Grade	Consistence
0-10"	Sand	<35%	10YR 3/3				Granular	Weak	Loose
10-30"	Coarse Sand	35-50%	10YR 4/6				Granular	Weak	Loose
30-54"	Coarse Sand	35-50%	10YR 5/3				Granular	Weak	Loose
54-60"	Coarse Sand	35-50%	10YR 5/3	7.5YR 5/8 7.5YR 6/2	Depletions	S1	Granular	Weak	Loose
Comments <b>Mottling at 54" Mottling Colors are 7.5YR 5/8 &amp; 6/2. Soils are wet after 54"</b>									
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
Amy Thompson (Designer/Inspector)							3886 (License #)		4/16/2020 (Date)

*Amy Thompson*  
(Signature)



# Soil Observation Log

Project ID:

v 04.01.2020

Client:		White oak heights		Location / Address:		28.031.21.43.0004				
Soil parent material(s): (Check all that apply)				<input checked="" type="checkbox"/> Outwash	<input type="checkbox"/> Lacustrine	<input type="checkbox"/> Loess	<input type="checkbox"/> Till	<input type="checkbox"/> Alluvium	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic Matter
Landscape Position: (select one)		Back/Side Slope		Slope %:		Slope shape		Linear, Linear		
Vegetation:		Grass		Soil survey map units:						
Weather Conditions/Time of Day:		Sunny		10:00 AM		Date		04/16/20		
Observation #/Location:		2		west of system						
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure			
							Shape	Grade	Consistence	
0-7"	Sand	<35%	10YR 3/3				Granular	Weak	Loose	
7-23"	Coarse Sand	35-50%	10YR 4/4				Granular	Weak	Loose	
23-43"	Coarse Sand	35-50%	10YR 4/6				Granular	Weak	Loose	
43-66"	Coarse Sand	35-50%	10YR 5/3				Granular	Weak	Loose	
66-68"	Coarse Sand	35-50%	10YR 5/3	7.5YR 5/8	Depletions	S1	Granular	Weak	Loose	
				7.5YR 6/2						
Comments: Mottling at 66" Mottling colors are 7.5YR 5/8 & 6/2										
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.										
Amy Thompson								3886		4/16/2020
(Designer/Inspector)								(License #)		(Date)

*Amy Thompson*  
(Signature)

**AT SEPTIC INSPECTIONS & DESIGN INC.  
4986 1 GOVERNMENT RD  
RUSH CITY MN 55069  
320-980-0235**

**Date: 4/16/2020**

**Address:**

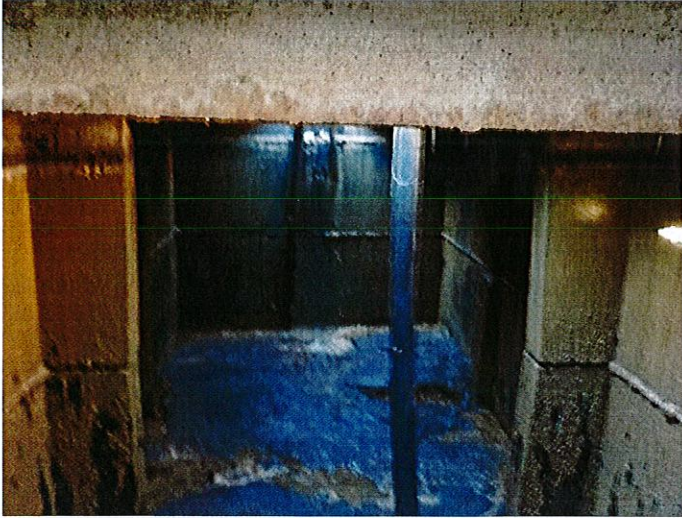
**PID #: 28.031.21.43.0004**



6000 gallon septic tank



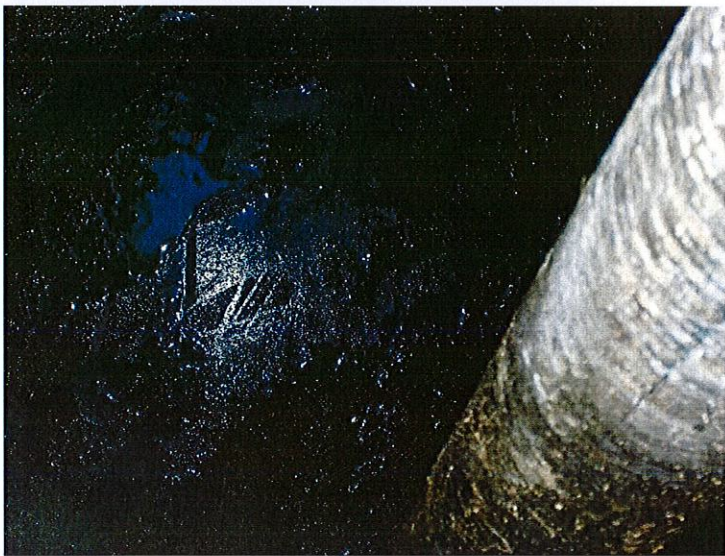
Inlet of 1<sup>st</sup> 6000 gallon tank



Inside the 1<sup>st</sup> 6000 gallon tank



Outlet of the 1<sup>st</sup> 6000 gallon tank



Floor of the 6000 gallon tank





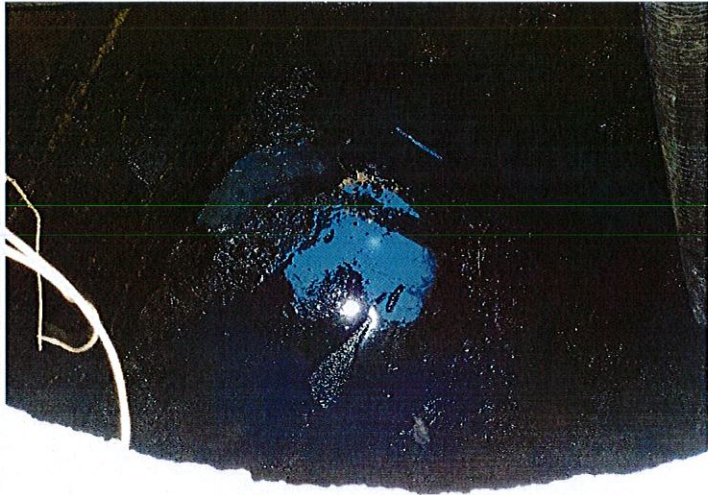
Floor of the 1<sup>st</sup> 6000 gallon tank



2<sup>nd</sup> 6000 gallon split tank



Inlet of 1<sup>st</sup> chamber of 2<sup>nd</sup> 6000 gallon tank



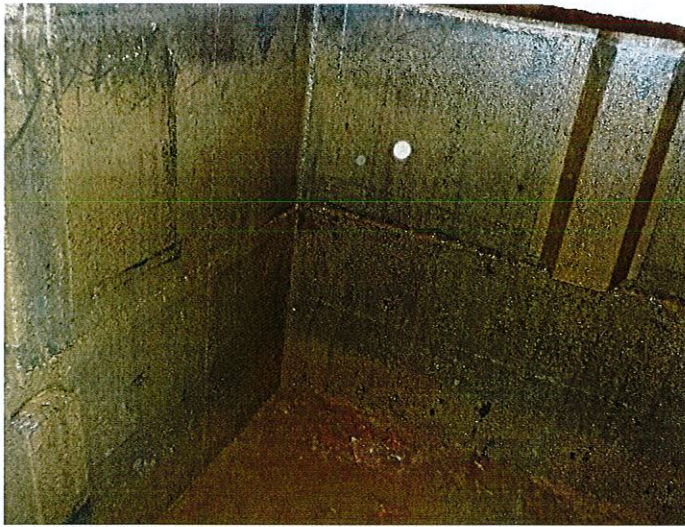
Floor of the 1<sup>st</sup> chamber of the 2<sup>nd</sup> 6000

gallon tank



Side Wall of the 1<sup>st</sup> chamber of the 2<sup>nd</sup>

6000 gallon tank



Side wall and end wall of 1<sup>st</sup> chamber of 2<sup>nd</sup> 6000 gallon tank



Center wall of the 2<sup>nd</sup> 6000 gallon tank

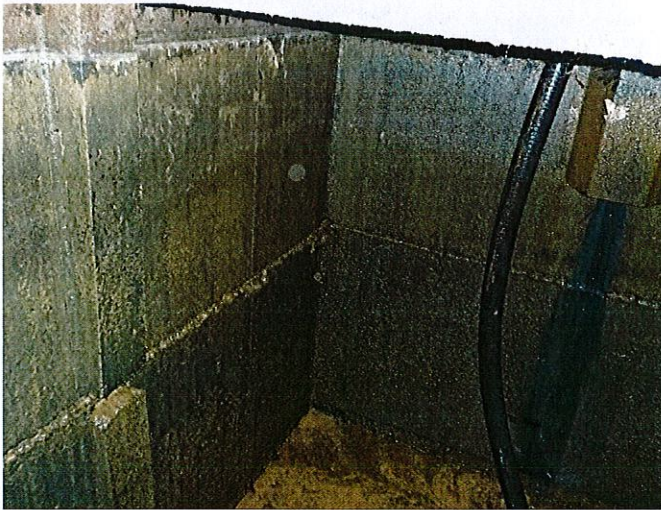


2<sup>nd</sup> chamber of the 2<sup>nd</sup> 6000 gallon tank



Inlet of the 2<sup>nd</sup> chamber of the 2<sup>nd</sup> 6000

gallon tank



Side wall of the second chamber of the 2<sup>nd</sup>

6000 gallon tank



Side wall of the 2<sup>nd</sup> chamber of the 2<sup>nd</sup>

6000 gallon tank



Outlet of the 2<sup>nd</sup> chamber of the 2<sup>nd</sup> 6000

gallon tank



Floor of the 2<sup>nd</sup> chamber of the 2<sup>nd</sup> 6000

gallon tank



2000 gallon pump tank



Inside the pump tank



Side wall



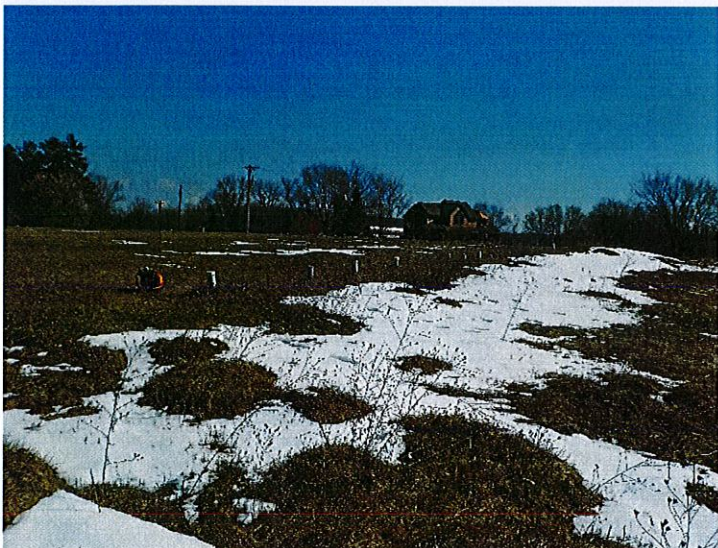
walls and supports



Side wall and pumps



Floor and pumps



System area



System area and soil boring 1



System area and soil boring 2



System area



AT Septic Inspections & Design Inc. Disclaimer Sheet  
Relative to Subsurface Sewage Treatment System Compliance Inspection

1. This inspection/report is being performed for only the seller/owner of the property on which the septic system located; there is no contract between AT Septic Inspections & Design Inc. and any other party except seller/owner unless otherwise noted. In such case that the buyer of the property is paying for the inspection, the contract is between only the buyer of the property and AT Septic Inspections & Design Inc.; there is no contract with any other party unless otherwise noted.
2. AT Septic Inspections & Design Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the system for any period of time beyond the date of inspection or into the future. Because of the numerous factors (usage, maintenance, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system, as well as the inability of AT Septic Inspections & Design Inc. to supervise or monitor the use or maintenance of the system, the report shall not be construed as a warranty by AT Septic Inspections & Design Inc. that the system will function properly for any particular party for any period of time.
3. Minimum Compliance Inspection requirements relative to this inspection and this report include only verification that the septic system has tank(s)(septic tanks, lift tanks, dosing tanks, stilling tanks, etc.) which are watertight below the designed operating depth, the required separation between the bottom of the subsurface soil distribution medium and seasonally saturated soils, no back-ups of sewage into the dwelling, no discharge of sewage/effluent to the ground surface or surface waters, and no imminent safety hazards. AT Septic Inspections & Design Inc. does not inspect basement ejector pumps or exterior lift tank pumps and associated components as these are considered to be maintenance items. Sewage back-up verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the building prior to inspection. AT Septic Inspections & Design Inc. cannot guarantee that the information given to them by the last occupants of the building prior to inspection relative to back-up is accurate. Some persons may attempt to hide or conceal signs of previous back-ups.
4. Certification of this system does not warranty future use beyond the date of the inspection. Any system, old or new, can become hydraulically overloaded or discharge sewage/effluent to the ground surface as a result of more people moving into the house than were previously occupying the house, improper maintenance, heavy usage, leaking plumbing fixtures, groundwater infiltration, tree roots, freezing conditions, surface drainage problems, poor initial design, poor conditions practices, or unsuitable materials used in constructing the system; The system can also simply stop working because of its age. The average life expectancy of a system that has been properly designed, installed, properly maintained, and used in the manner for which the system was designed can be expected to provide service for twenty to twenty-five years. Some parts of the system such as alarms, switches, pumps, and filters will most likely have to be replaced over the lifetime of the system.
5. A compliance inspection is not meant to be a test or inspection for longevity of the system; a compliance inspection is strictly for the purpose of determining if the system is protective of public health and safety and is protective to groundwater at the date and time the inspection was performed. This inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or other Local Government Unit code requirements. This inspection is not intended to determine if the system was designed and/or installed to support the anticipated flow from the building as the use of the building may have changed since the design and construction of the system due to the addition of bedrooms, occupants, etc. In addition, this inspection is not intended to determine the quality of the original systems design, the quality of the construction practices used while installing the system, or the quality of the materials used in constructing the system.
6. **Winter Work:** Client (persons paying for inspection) understands that inspections conducted during winter weather (approximately November 1<sup>st</sup> through April 1<sup>st</sup>) are more difficult to perform because of possible snow cover and/or ground frost. System components such as tanks, maintenance covers, tank inspection pipes, subsurface distribution medium inspection pipes, and soil treatment area more difficult or impossible to locate due to snow cover and/or ground frost. In addition soil borings are more difficult to perform due to snow cover and/or ground frost. AT Septic Inspections & Design Inc. will attempt to use the same level of standards when performing work during winter periods as when performing work during non- winter periods. However, client understands that because of the aforementioned considerations, the same level of standards may not be possible.
7. By accepting this report, the client understands that AT Septic Inspections & Design Inc. will not be responsible for any monetary damages exceeding the fee of the service provided.