

Septic Inspection, Septic Design, Septic Installation & Repair, Water Quality Testing Sewer & Water Repair and Installation PO Box 10853 White Bear Lake, MN 55110 Phone: 651-492-7550 E-Mail: Brian@midwestsoiltesting.com Web: www.midwestsewer.com

July 18, 2024

Roger Barton 13035 Valley Creek Trl S Afton, MN 55001

Subject: Septic System and Water at 13035 Valley Creek Trl S, Afton, MN

Dear Roger:

Please find the attached septic system report and water test results for the subject property. Also attached is the invoice, which is due for payment upon receipt.

Please contact me should you have any questions and thank you for the business.

Sincerely,

Brian Humpal

Brian Humpal

Cc Washington County Department of Public Health & Environment



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

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:	Reason for Inspection	Property Transfer	
Local regulatory authority info: Washington County			
Property address: 13035 Valley Creek Trl S, Afton, MN 55001			
Owner/representative: Roger Barton		Owner's phone: 218-370-9627	
Brief system description: A pre-cast septic tank and a rock trench	drainfield.		

System status

System status on date (mm/dd/yyyy): 7/10/2024

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: Midwest Sewer Services

Brian Humpal After the

Certification number: <u>5342/9852</u>

Inspector signature:

locument has been electronically sig	gned)
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License number: L2896

Phone: 651-492-7550

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): Report Summary, Property Information, Disclaimer

Property Address: 13035 Valley Creek Trl S, Afton, MN 55001

Business Name: Midwest Sewer Services

Date: 7/10/2024

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:		Attached supporting documentation:
System discharges sewage to the ground surface	🗌 Yes* 🛛 No	☐ Other: ☐ Not applicable
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 imminent threat to public health an		

Describe verification methods and results:

None of the above found.

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:		Attached supporting documentation:		
System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	🗌 Yes* 🛛 No	Empty tank(s) viewed by inspector Name of maintenance business:		
Sewage tank(s) leak below their designed operating depth?	🗌 Yes* 🛛 No	License number of maintenance business: Date of maintenance: Existing tank integrity assessment (Attach)		
If yes, which sewage tank(s) leaks:		Date of maintenance (mm/dd/yyyy):6/20/2024 (must be within three years)		
Any "yes" answer above indicates the system is failing to protect groundwater.		(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:		

Describe verification methods and results:

Property Address:	13035 Valley Creek Trl S, Afton, MN 55001
Rusiness Name	Midwort Sower Services

Business Name: Midwest Sewer Services

Date: 7/10/2024

3. Other compliance conditions - Compliance component #3 of 5

	lf th	a answer to both quantians is "no" this postion does not need to be comple	tod	
	13 11	BMP = Best Management Practice(s) specified in the system design	J II yes, E	below is required
		e system required to employ a Nitrogen BMP specified in the system design? \Box Yes \Box Nitrogen BMP specified in the system design? \Box Yes \Box Nitrogen BMP specified in the system design?	•	-
	ls th	e system operated under an Operating Permit?	o If "ves". A	below is required
4.	Ор	erating permit and nitrogen BMP* – Compliance component #4	1 of 5 🖂	Not applicable
		Attached supporting documentation: 🛛 Not applicable		
		Describe verification methods and results:		
		*Yes to 3c or 3d - System is failing to protect groundwater.		
	3d.	System not abandoned in accordance with Minn. R. 7080.2500?	☐ Yes*	No No
	3c.	System is non-protective of ground water for other conditions as determined by inspector?	☐ Yes*	No No
		*Yes to 3a or 3b - System is an imminent threat to public health and safety.	-	
	3b.	Other issues (electrical hazards, etc.) to immediately and adversely impact public health or sa	afety? 🗌 Yes*	🖾 No 🔲 Unknown
	ou.	\square Yes* \square No \square Unknown		
	За.	Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or u	nsecured?	

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?

b. Is the required nitrogen BMP in place and properly functioning?

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

Business Name: Midwest Sewer Services

Date: 7/10/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 1988 (mm/dd/yyyy)	_ Unknown		
 Shoreland/Wellhead protection/Food beverage lodging? 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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock. 	⊠ Yes □ No	 Attached supporting documentation: Soil observation logs completed for th Two previous verifications of required Not applicable (No soil treatment area Reviewed previous compliance insperies Reviewed design and permit records. 	vertical separation
 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: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.* 	⊠ Yes □ No*	Indicate depths or elevations A. Bottom of distribution media B. Periodically saturated soil/bedrock C. System separation D. Required compliance separation* *May be reduced up to 15 percent if allo Ordinance.	See Attached Boring Log(s)
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) 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.

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, 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.



520 Lafayette Road North

St. Paul, MN 55155-4194

Sewage tank integrity assessment form

Subsurface Sewage

Treatment Systems (SSTS) Program

Doc Type: Compliance and Enforcement

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. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of

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(B)(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(B),(C),

Owner information

Owner/Representative Kristine - Roger Poerton	
Property address: 120 35 Maller (reg v - Trail e	
Local Regulatory Authority: PRTON MAN 55001	Parcel ID:

System status

System status on date (mm/dd/yyyy): 120

Certificate of sewage tank compliance

□ Notice of sewage tank non-compliance

Compliance criteria:

□ Yes* □ No		
No		
No No		

Any "yes" answer above indicates sewage tank non-compliance.

Company information

Company name: Hnki	IS Sewer	Servico
Company name: Hnki Business license number:	4251	Scince

Designated	Certif	ied In	dividual	(DCI)	information
Print name:	Hi	CR	St.	CI	cuire
Certification r	number	CC	1750	Z	<u> </u>

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

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

(This document has been electronically signed.)

Date (mm/dd/yyyy):6/28/24

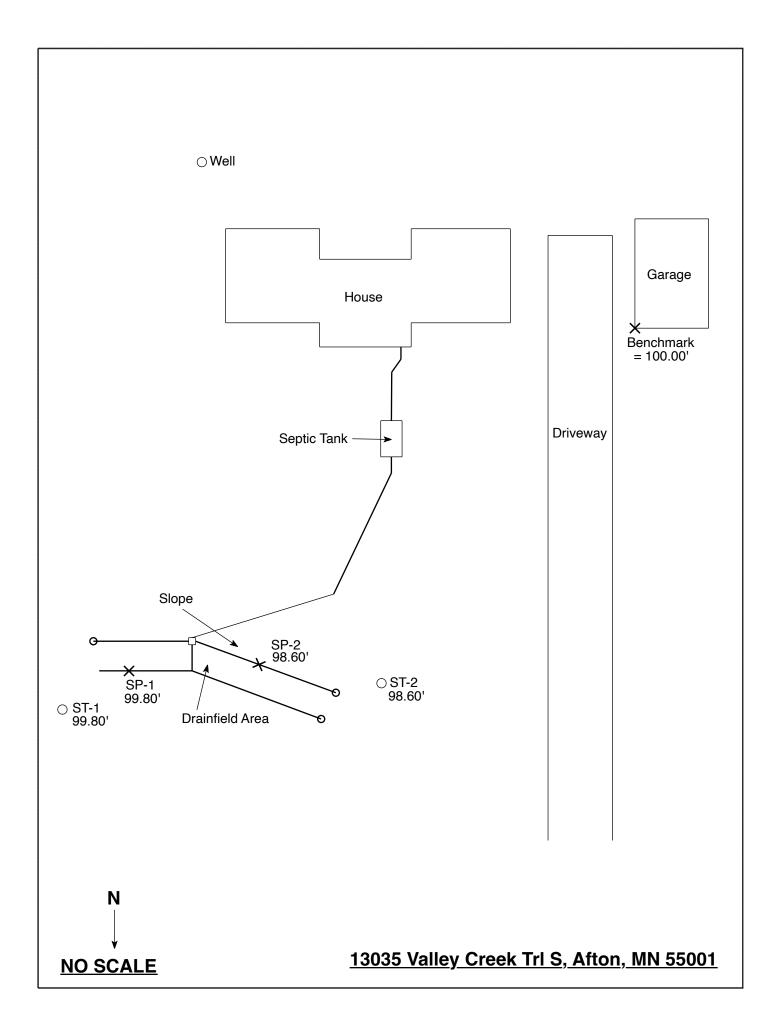
Available in alternative formats Page 1 of 1

<u>Midwest Sewer Testing</u> Subsurface Sewage Treatment System Owner/Property Information

This information will be used for the purpose of conducting an MPCA Compliance Inspection.			
Date of Inspection: 7/8/2024 & 7/10/2024	Time: 2:15 PM & 9:00 AM		
Property Address: 13035 Valley Creek Trl S, Afton, MN	Zip: 55001		
Property Owner: Roger Barton	Phone: 218-370-9637		
Tank(s) Tank(s)Material Soil Treatment System Septic 1 Fiberglass Rock trench Aerobic Plastic Gravelless trench Lift Metal Chamber trench Holding Concrete Seepage bed Other: Block Mound Other Other At-grade	Other Alternative system Experimental system Cesspool system Other system		
Are the tank maintenance covers accessible? Yes No *If performed through the maintenance holes. Maintenance hole cov the ground surface to facilitate access and proper maintenance of	ers should be made accessible to		
Year house built: 1875 Year septic installed: 1988	Tank size (gals.): 1250		
	esidents in home?		
Number of bedrooms? 4 Are all floors drained by g			
Garbage disposal? Whirlpool bath	·		
More than one system (laundry, etc.)?			
Does this property have any footing drain tiles connected to the septic system?			
Are any buildings on this property such as garages or out-buildings connected to this system?			
Are there any additional systems on this property serving other buildings?			
Location of septic system on lot? North Side			
	e well a deep well? Y		
Have you ever experienced any problems with the system such as: tree roots, sewage back-ups, surfacing of sewage onto the ground, septic tank overflowing, etc.; or have any repairs been made to the system? If yes, explain:			
When most the system last many $\frac{12}{20/2024}$ N	nom Dintrola Comercia		
	nper: Pinky's Sewer Service		
	n on a monitoring plan?		
Have you received notices from any government agency concerning this system?Is your property located in a shoreland management area? Y			
Do you have any additional information that should be given to the new owner?			
Do you have any additional information that should be given to th			

I hereby certify that the above information is correct to the best of my knowledge. I also understand that if the system is considered "non-compliant/failing" per MPCA rules, that the inspector must by law submit a copy of this report to the local government unit within 15 days of the date of inspection completion. I also agree that unless otherwise noted in this report, that I/we are ultimately responsible for payment of all fees for all work performed relative to this inspection by Inspect Minnesota and Midwest Soil Testing

Owner/Occupant:



Soil Observations Log

Location of Project: 13035 Valley Creek Trl S, Afton, MN 55001								
Observations Made By: Midwest Sewer Service					,	Date:	July 8 & 10, 2024	
Classification System: USDA								
Soil Observation: ST-1				Soil	Observation:	ST-2		
Surf	Surface 99.8		99.80'	Surface				
Elevation of		Benchmark = 1	00.00' concrete slab	Elevation of		98.60'		
Observation		on northeast corner of garage		Observation				
Deptn	Rock	0		In Rock				
ln Jooboo	%	Solls I	Encountered	Inches %		Solls	Soils Encountered	
0-14			.5/2 Silt Loam	0-13			7.5YR 2.5/2 Silt Loam	
14-28			/4 Clay Loam	13-25		10YR 3/4 Silt Loam		
28-33	≈15		dy Loam With Gravel 4 Medium Sand	25-30	45.00		4 Fine Loamy Sand	
33-39		-	edium Sand With	30-67	≈15-20	101R 3/4 Me	dium Sand With Gravel	
39-50		-	of Gravel And					
			Lamellae Banding					
50-80	≈20		dium Coarse Sand					
00 00	~20		h Gravel					
			Distribution Media	95.68'				
	-	o Redox Or End	Of Observation	-93.02' Depth To Redox Or End Of Observation				
≥2.66	5'/32"	Of Separation		≥2.66'/32" Of Separation				
		Observation At	02 141/00			Donuction AL		
	End Of Soil Observation At: 93.14'/80"					93.02'/67"		
		il Conditions At:	None	Limiting Soil Conditions At: None				
Sta	Standing Water Present At: None				Standing Water Present At: None			
Bottom C	Bottom Of Distribution Medium At: 48 Inches Or Elevation 95.80' At Soil Probe 1							
			35 Inches Or Elevati					

Signature:

Other Va

This is of this 6 The original as built cleawing Danel Heats as bunk 0 \mathcal{L} for this 13035 Valley Creek Troil S. Afton Seisage treatment P. No. 4704 System New Well X GARAGE SARAGE 1 tank B-1 1 drop boxs House. 0-9 60' Black clay loam to psoil 50 9-27 medium brown tre clay loam-some five SANIS 10yr 4/3 27-60 Redburn COATSE SAND - much growl

BECREVED MAR 2 9 1988

- Soil Borings -

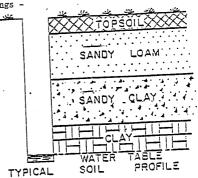
Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.

1



Soil Borings done by <u>Unite</u> , on <u>3-29</u>	- 88

.OG	OF	SOIL	BORINGS	
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	BORING NO. 2	BORING NO. 3	BORING NO. 4
BORING NO. I		DEPTH SOIL	DEPTH SOIL
DEPTH SOIL	DEPTH SOIL IN DESCRIPTION	IN DESCRIPTION	IN DESCRIPTION
		0 TOP	O TOP.L
1/2 Top Spin	1/2 TOP	1/2 Soil	1/2 501
1 10 0 0	150		11/2 01 014
11/2 CLAY	11/2	11/2 C.LAY	2 CLAY
2 SANDY CLAU	2 CLAY		
21/2		ZIVZ FINE 3 SANCH	21/2 fire dy
3	Time 1	31/2	31/2
4 FINE	31/2 SANGY	4 12	4
4 FINE 41/2 SANDY	41/2	41/2	41/2
5	. 5	5 51/2	
51/2	51/2	502	51/2 6
6	6	61/2	61/2 J
61/2	7	7	7
	71/2	71/2	71/2
71/2 STONES	8	8	8
81/2	81/2	81/2	31/2
9	9	9	

DISCLAIMER

Brian L. Humpal, Inc. dba. Midwest Sewer Services, Inspect Minnesota, Midwest Soil Testing Relative to Subsurface Sewage Treatment System (SSTS) Compliance Inspections

- 1. This inspection/report is being performed for only the seller/owner of the property on which the SSTS is located. In such case that another party is paying for the inspection, the contract is between only said party and Brian L. Humpal, Inc.; there is no contract between Brian L. Humpal, Inc. and any other party unless otherwise noted.
- 3. Brian L. Humpal, Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the SSTS 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 an SSTS, as well as the inability of Brian L. Humpal, Inc. to supervise or monitor the use or maintenance of the SSTS, the report shall not be construed as a warranty by Brian L. Humpal, Inc. that the SSTS will function properly for any particular party for any period of time.
- 4. Brian L. Humpal, Inc. is unable to verify the frequency and/or, quality of prior or future maintenance of the SSTS. Maintenance of the tank(s) must be performed through the tanks maintenance hole. The removal of solids from any location other than the maintenance hole is not a compliant method of maintenance. It is strongly recommended that maintenance covers be made accessible to the ground surface to facilitate proper maintenance.
- 5. Minimum Compliance Inspection requirements relative to this inspection and this report include <u>only</u> verification that the SSTS 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. Brian L. Humpal, Inc. does not inspect plumbing or pumps prior to the first SSTS component as these are plumbing components. The performance of exterior pumps and associated components are not inspected as they are considered to be maintenance items. Additionally, no indications relative to compliance with electrical code requirements have been made. It is recommended that any other applicable plumbing, electrical, housing, etc. inspections be performed by a qualified inspection business. 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. Brian L. Humpal, Inc. cannot guarantee that the information given to them by the last occupants of the building prior to inspection relative to back-ups is accurate.
- 4. Certification of this SSTS does not warranty future use beyond the date of the inspection. Any SSTS, 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 construction practices, or unsuitable materials used in constructing the system; the system can also simply stop working because of its age. An SSTS that has been properly designed and 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 on average. Some parts of the SSTS such as alarms, switches, pumps, filters, etc. will most likely have to be repaired or 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 SSTS is protective of public health and safety, as well as the groundwater at the date and time the inspection was performed. This inspection is not intended to determine if the SSTS 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 SSTS 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 SSTS due to the addition of bedrooms, occupants, etc. In addition, this inspection is not intended to determine the quality of the original SSTS design, the quality of the construction practices used while installing the SSTS, or the quality of the materials used in constructing the SSTS.
- 6. Brian L. Humpal, Inc. cannot guarantee the performance of SSTS products/components such as: gravelless pipe, chamber trenches, effluent filters, tanks, sewage pre-treatment components, piping, etc. Products such as gravelless pipe are no longer approved for installation in the State of Minnesota and may have a significantly reduced performance and/or life expectancy.
- 7. WINTER WORK: By accepting this report, it is understood that inspections conducted during winter months (approximately November 1st through April 1st) are more difficult to perform because of possible snow cover and/or ground frost. SSTS components such as tanks, maintenance covers, tank inspection pipes, subsurface distribution medium inspection pipes, and soil treatment areas are 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. Brian L. Humpal, 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, the recipient of this report understands that because of the aforementioned considerations, the same level of standards may not be possible.
- 8. By accepting this report, the client understands that Brian L. Humpal, Inc. will not be responsible for any monetary damages exceeding the fee for the services provided.