

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: 2902721430009 Reason for Inspection _____ Sale of property _____

Local regulatory authority info: Washington County

Property address: 7624 110TH ST S, CITY OF COTTAGE GROVE

Owner/representative: Clint Larson Owner's phone: 507-461-1488

Brief system description: 2011 System with two septic tanks and one pump tank to in ground drain field

System status

System status on date (mm/dd/yyyy): 4/7/2023

Compliant – Certificate of compliance*

Noncompliant – Notice of noncompliance

(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.)

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.

***Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

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: SS Septic Solutions, LLC Certification number: 9917

Inspector signature:  License number: 4137

(This document has been electronically signed)

Phone: 651-343-9117

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): _____

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:

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:

Tanks in great shape at time of inspection

Attached supporting documentation:

- Empty tank(s) viewed by inspector
- Name of maintenance business: Schlomka's
- License number of maintenance business: _____
- Date of maintenance: 4/7/2023
- 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 6/17/2011 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 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) 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
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Indicate depths or elevations

A. Bottom of distribution media	24"
B. Periodically saturated soil/bedrock	72"
C. System separation	48"
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.

U of MN Onsite Sewage Treatment Program Soil Boring Log

Client/ Address: **7624 110th St. S.** Legal Description/GPS: **2902721430002** Date: **17 Jun 2011**

Soil Parent Material(s): **Till** **44°47'25.0144" 92°57'12.1704"** **Loess** **Organic Matter** **Bedrock** **tz**

(circle all that apply) **Summit** **Shoulder** **Back/Side Slope** **Foot Slope** **Toe Slope** **RIVER TERRACE**

Vegetation: **FARN LAND** **Soil Survey Map Unit(s): 8 - SPARTA LAMBY SANDS** **Slope (%): 0-2%**

Weather conditions/Time of Day: **MID AFTERNOON, OVERCAST** **Slope Shape:**

Depth (in)	Texture	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s) (see back)	Saturated Soil		
						Shape	Grade	Consistence
0-26"	SANDY LOAM	10 YR 3/2		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
26-42"	FINE SAND	10 YR 3/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
42-55"	FINE SAND	10 YR 4/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
55-72"	FINE SAND	10 YR 5/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
				Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid

Comments: **1st SOILS**

Onsite Sewage Treatment Program Soil Boring Log



Client/ Address: **STEVE ALL WINE** 7624 **110TH COTTAGE GROVE MN 55016**
 Date: **6-17-2011**

Legal Description/GPS: **110TH COTTAGE GROVE MN 55016**

Soil Parent Material(s): **(FILL) Outwash Lacustrine Alluvium** Loess Organic Matter Bedrock
 (circle all that apply)

Landscape Position: **Summit** Shoulder Back/Side Slope Toe Slope Slope Shape: **LL**
 (circle one)

Vegetation: **Grass & Lvs** Soil Survey Map Unit(s): Slope (%): **1%**

Weather conditions/Time of Day: **CLEAR SUNNY** Elevation:

Depth (in)	Texture	Coarse Frag %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Saturated Soil			Consistence
						Indicator(s) (see back)	Shape	Grade	
0-26	TOPSOIL SANDY LOAM		10YR 2/3		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
26-42	FINE SAND		10YR 2/3/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
42-55	FINE SAND		10YR 2/4/4		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
55-72	FINE SAND		10YR 2/4/3		Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid
EOB					Concentrations Depletions Gleyed		Granular Platy Blocky Prismatic Single Grain Massive	Weak Moderate Strong Loose	Loose Friable Firm Extremely Firm Rigid

Comments/Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.
NO RESTRICTIONS NOTED - VERIFIED BY WASHINGTON CO 6/17/2011



NOT TO SCALE

100' WELL BACK

2" ROSE LINE

1000 GAL ROSE TANK
1500 GALLON 2 COMP. SEPTIC TANK

SECHMAYER TRANCHER

AD. 38 38 38

SURE

POLY LOCK FILTER

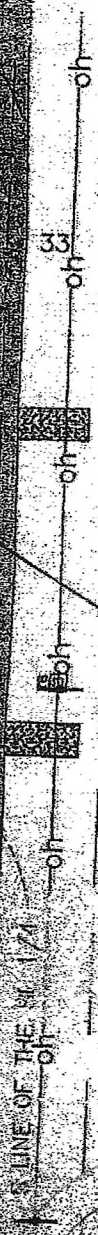
PROPOSED SITE

TANK ACCESS

WELL

SOFT ENGINEERING

659.11



Advanced Septic Solutions, Inc
7505 320th St W
Northfield, MN 55057

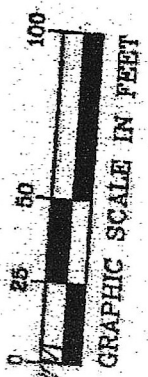
Sam Watsfeld
69727 J 2889

Advanced Designer

TIME ROSE PANEL

W FILTER & TANK ALERT ALARM

PRESSURISED CHAMBERS
HIGH CAPACITY INFILTRATORS



SITE EVALUATION

COUNTY USE ONLY

CHECK ALL THAT APPLY:

- NEW
- CLASS V
- EXISTING
- COMMERCIAL ESTABLISHMENT
- DWELLING
- FBL ESTABLISHMENT
- SHORELAND
- IN WELLHEAD PROTECTION AREA

EVALUATOR: CHRIS LELLAIR

PROPERTY ADDRESS: 7624 110th St. S.

GEOCODE: 29 0272143 0002

DATE: 17 Jun 2011

TIME: 13:52

SOIL REVIEW

SOIL CLASSIFICATION: SPARTA LOAMY SAND

PARENT MATERIAL: T2 - RIVER TERRACE

SOIL BORING 1

SOIL BORING 2

ELEVATION OF BORING: 608 LOCATION: SOUTH SIDE OF BARN

ELEVATION OF BORING: LOCATION:

GPS COORDINATES: LAT: 44° 41' 25.0144" LON: 92° 51' 12.1704"

GPS COORDINATES: LAT: LON:

<input checked="" type="checkbox"/> BORING					<input type="checkbox"/> PIT					<input type="checkbox"/> PROBE				
SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES
0-26"	SANDY LOAM	10YR 3/2												
26-42"	FINE SAND	10YR 3/4												
42-55"	FINE SAND	10YR 4/4												
55-72"	FINE SAND	10YR 5/4												

SOIL REVIEW CONCLUSIONS

<input checked="" type="checkbox"/> SITE SUITABLE <input type="checkbox"/> UNSUITABLE SOIL <input type="checkbox"/> DISTURBED SOIL <input type="checkbox"/> COMPACTED SOIL	DEPTH INFORMATION:		SOIL TEXTURE: FINE SAND
	STANDING WATER: NO	SATURATED SOIL: NO	SOIL SIZING FACTOR: 1.67
	BEDROCK: NO	MAXIMUM DEPTH OF SYSTEM: NO	LOADING RATE: 0.60

SITE REVIEW

CHECK ALL THAT APPLY	EASEMENTS ON LOT:	SETBACKS
<input type="checkbox"/> WETLAND OR WETLAND VEGETATION <input type="checkbox"/> POND, LAKE, STREAM, RIVER <input type="checkbox"/> FLOODPLAIN <input type="checkbox"/> 10 YEAR FLOOD ELEVATION _____ <input type="checkbox"/> BLUFFLINE _____ <input type="checkbox"/> WELL WELL CASING DEPTH: _____	<input type="checkbox"/> UTILITY <input type="checkbox"/> DRAINAGE <input type="checkbox"/> OTHER	BLUFFLINE
		RIVER
		POND, LAKE, STREAM, WETLAND
		WELL

COMMENTS/NOTES:

2nd SOILS

INDIVIDUAL SEWAGE SYSTEM AS-BUILT

Owner: STEVE ALWINE Project Address 7624 110th ST. Date Installed 11-3-11 Permit No. 2200
 House Type: DI III Property ID No. (PIN) _____
 City/Twp Collage Grove Installed for 3 Bdrms or _____ (Dakota Tax Info 651-438-4576, or www.co.dakota.mn.us)

- gal/day Commercial Use? Y/N
 New Replace Repair Addition
 Property Transfer Upgrade? Y/N
 Bsmt Lift Pump? Y/N Future? Y/N
 Jacuzzi? Y/N Garb Disp? Y/N
 Soil Survey Map Unit _____
 Soil Compacted? Y/N
 Fill Soil? Y/N

Circle Soil Texture:

- (Faster than 0.1 mpi)
 Coarse Sand
 Medium Sand
 Loamy Sand 0.83
FINE SAND 1.67
 Sandy Loam 1.27
 Loam 1.67
 Silt Loam, Silt 2.00
 Sandy Clay Loam 2.2
 Silty Clay Loam
 Clay Loam
 Silty Clay, Clay 4.2
 (Slower than 120 mpi)

Soil dry enough for construction? Y/N

SETBACKS: Prop. Lines 10' ✓

- Bldgs 10' to Tank ✓ & 20' to Drnfl ✓
 Well(s) setback ✓ () not installed yet
 Well Depth NA () Orig. Well Record () Measured
 Distance to Lake NA Creek NA Wetland
 Buried Water Pressure Lines 10' to Tank & Drnfl? NA
 System located by Photos? Y/N GPS? Y/N

SEPTIC / HOLDING TANK(S)

- New Existing
 Liquid Capacity 1000 EACH 1 compartment or 2?
 Made by MINN PRECAST Watertight? Y/N
 Baffle Type: Plastic Fiberglass Sanitary-T Concrete
 No. of Inspection Pipes 4" / 6" diam. Tank Level? Y/N
 No./Diam. Manhole Access 24" Inlet/Outlet Center
 No. & Height of Manhole Risers 2 - 36" s
 New Tanks 4 ft or less below Final Grade Y/N
 Pipes into Tank Sealed? with GASKETS Y/N
 Riser into Tank Base Sealed? with FOAMU. Y/N
 Outlet Effluent Filter? Y/N Type _____

MOUND / ATGRADE:

- Percent Slope _____ % Scarification Method: _____
 Dike Width _____ Up _____ Down _____ Side _____
 Clean Rock? Y/N Depth Below Pipe _____ inches
 Clean Sand? Y/N Depth Upslope _____ Downslope _____
 Inches to Mottling _____ Pipe Size/Spacing _____
 Perf Size/Spacing _____ Final Cover Depth _____
 Rock Bed Size _____ Supplier: _____
 Sand Base Size _____ Supplier: _____
 Upslope needing drainage/diversion? Y/N Provided? Y/N
 Grading done: Rough / Final
 () Seeding () Sod to be done by:

Line drawn from Tanks to Pump Truck Access < 100'? Y/N
RESERVE AREA? Y/N Fenced Off? Y/N
 Owner informed to preserve Reserve Area? Y/N
 Owner given Septic System Owner Guide? Y/N

TRENCHES / BED OR GRAVELLESS DRAINFIELD:

- Drop boxes level? Y/N Type _____ concrete / plastic
 Trench Depth 24" s Width 36" s
 Number of Trenches 4 Trench Bottom Level Y/N
 Trench Lengths 50' Spacing 7'
 Rock Clean? Y/N 2" over Pipe? Y/N GeoTextile Cover? Y/N
 Depth Below Pipe? _____ Soil Backfill Depth 6" to 12"
 Gravelless Pipe Size? _____ Made by _____
 Chamber Size? STANDARD Made by EUFILTRATOR
 Absorption Area: Sq Ft 600 Lineal Ft 200
 Trench Bottom to mottling / bedrock? _____ inches
PUMP TANK Made by MINN PRECAST Capacity 1000
 No. & Height of Risers 1 - 36" Sealed? Y/N
 Pump Manufacturer ZOELLER Model # 98
 Horsepower 1/2 GPM _____ Feet of Head _____
 Cycles Per Day _____ Gallons Per Cycle _____
 Size of Discharge Line _____
 Type of Electrical Hookup _____ 1.5" / 10'
 Alarm Location _____ post & box by tank
 Alarm: Tank Alert Level Alarm / Other _____
 Cycle Counter? Y/N Water Meter? Y/N

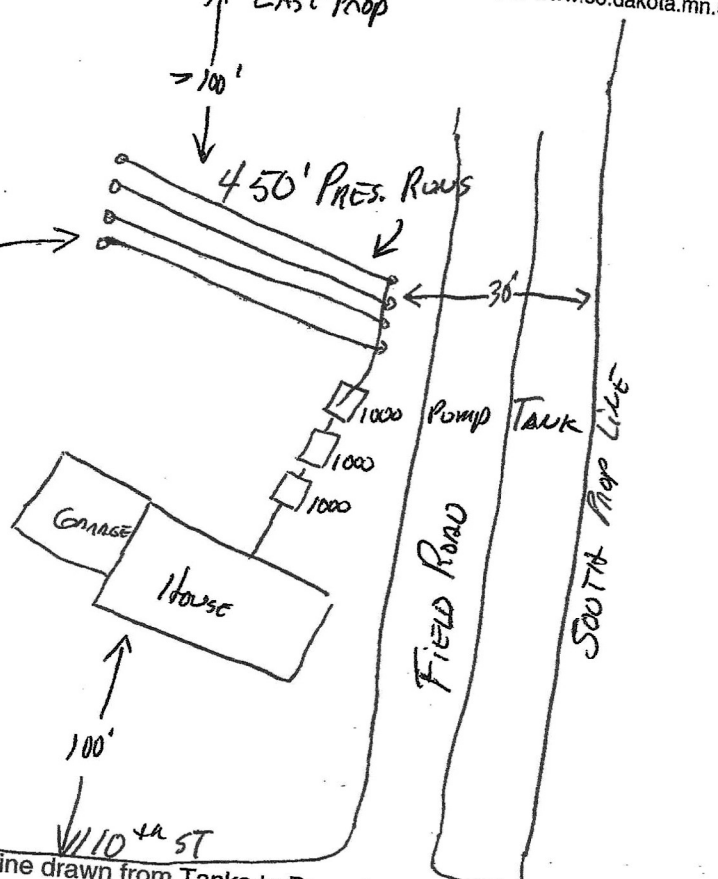
Designated Registered Professional Onsite DAN KEAMER
 PCA Lic. No. 101 Company Name ARKAY'S
 Ph 651-983-1207 Address HASTINGS MN.

I hereby certify, as installer, that this individual sewage treatment system was installed according to the approved design, and as applicable, this Municipality's Sewage Treatment System Ordinance, & accurately locates all system components for later relocation.

Installer Sign Dan Keamer Date: 11-3-11
 Inspector Sign _____ Date: _____

White copy: County Yellow: Owner Pink: Installer
 o:\emgmt\forms\swalm\lists\as-built-form.doc

Approved: No / Yes / Yes with Conditions: _____



SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. The report shall not be construed as a warranty that the system will properly function for any particular period of time.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I can not guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system new or old can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions or surface drainage problems. The system could simply stop working due to age.
4. A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed. The inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or local unit of government code requirements.
5. Winter Work – Client understand that inspections conducted in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.