

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions:

Control Agency (MPCA) website at

Instructions for filling out this form are located on the Minnesota Pollution

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 0502920440007 Reason for Inspection Transfer of deed
Local regulatory authority info: Washington County
Property address: 5010 NORTHBROOK BLVD N, TOWN OF BAYTOWN
Owner/representative: Frank King Owner's phone: 415-307-7038
Brief system description: 2019 system with 1500/1000 septic tank, 1000 gallon lift tank going to 10 x 60 mound

System status

System status on date (mm/dd/yyyy): 8/16/2024

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.

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

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: SS Septic Solutions, LLC.

Certification number: 9917

Inspector signature: Shelley Schlomka

License number: 4137

(This document has been electronically signed)

Phone: 651-343-9117

Necessary or locally required supporting documentation

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list):

Property Address: 5010 NORTHBROOK BLVD N, TOWN OF BAYTOWN

Business Name: SS Septic Solutions, LLC.

Date: 8/16/2024

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

Attached supporting documentation:

- Other: _____
- Not applicable

Describe verification methods and results:

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:	

Attached supporting documentation:

- Empty tank(s) viewed by inspector
 - Name of maintenance business: Pinky's
 - License number of maintenance business: _____
 - Date of maintenance: 8/16/2024
- 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: _____

Describe verification methods and results:

Tanks water tight at time of inspection

Property Address: 5010 NORTHBROOK BLVD N, TOWN OF BAYTOWN

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Date: 8/16/2024

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

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

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

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

Property Address: 5010 NORTHBROOK BLVD N, TOWN OF BAYTOWN

Business Name: SS Septic Solutions, LLC.

Date: 8/16/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 12/23/2019 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Compliance criteria (select one):

<p>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:</p> <p>Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>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:</p> <p>Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>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)</p> <p>Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Indicate depths or elevations

A. Bottom of distribution media	+20"
B. Periodically saturated soil/bedrock	16"
C. System separation	36"
D. Required compliance separation*	36"

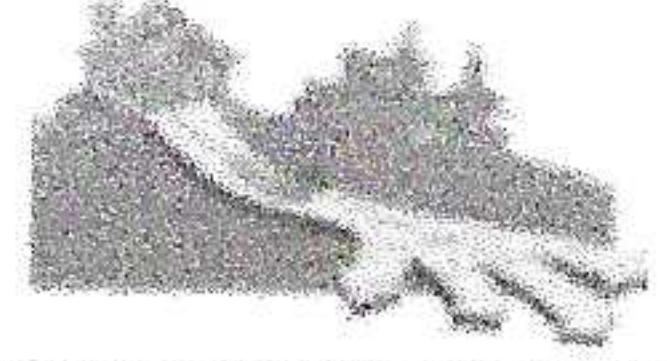
*May be reduced up to 15 percent if allowed by Local Ordinance.

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.

Log Of Soil Borings

Location of Project:		5010 Northbrook Blvd N, Baytown Twp, MN 55082				
Borings Made By:		Inspect Minnesota		Date:	9/6/18	
Auger Used:		Hand/Bucket		Classification System:	USDA	
Boring Number:			1			
Boring Number:			2			
Surface Elevation of Boring	103.20'			Surface Elevation of Boring	103.20'	
	Benchmark = 100.00' top of deep well					
Depth In Inches	<u>Soils Encountered</u>			Depth In Inches	<u>Soils Encountered</u>	
0-8 8-16 16-21 21-30 30-43	10YR 2/2 Silt Loam (Blocky/Moderate) 10YR 4/3 Silt Loam (Blocky/Moderate) 10YR 3/4 Loam 7.5YR 4/4 Loamy Sand 7.5YR 4/4 Medium Sand With Cemented Layers And Redox?			0-6 6-16 16-36	10YR 2/2 Silt Loam (Blocky/Moderate) 10YR 4/3 Silt Loam (Blocky/Moderate) 7.5YR 4/4 Sandy Loam With Gravel ≈10% Rock Fragments And 7.5YR 5/8 Redox	
End Of Boring At:		43"		End Of Boring At:		36"
Redox Present At:		30"/100.70'		Redox Present At:		16"/101.87'
Standing Water Present At:		None		Standing Water Present At:		None
Boring Number:			3			
Boring Number:			4			
Surface Elevation of Boring	104.30'			Surface Elevation of Boring	104.30'	
Depth In Inches	<u>Soils Encountered</u>			Depth In Inches	<u>Soils Encountered</u>	
0-3 3-8 8-16 16-20	10YR 2/2 Silt Loam (Blocky/Moderate) 10YR 4/3 Silt Loam (Blocky/Moderate) 7.5YR 4/4 Sandy Loam With Gravel ≈15% Rock Fragments 7.5YR 4/4 Sandy Loam With 7.5YR 5/8 Redox Refusal At 20"			0-16 16-24	10YR 2/2 Silt Loam (Blocky/Moderate) 10YR 3/4 Silt Loam (Very Dry) With 7.5YR 5/8 Redox	
End Of Boring At:		20"		End Of Boring At:		24"
Redox Present At:		16"/102.97'		Redox Present At:		16"/102.97'
Standing Water Present At:		None		Standing Water Present At:		None



4. SOIL TREATMENT AREA DESIGN SUMMARY

Trench Design Summary

Dispersal Area ft² Sidewall Depth in Trench Width ft
 Total Lineal Feet ft Number of Trenches Code Maximum Trench Depth in
 Contour Loading Rate ft Min Trench Length ft Designer's Max Trench Depth in

Bed Design Summary

Absorption Area ft² Depth of sidewall in Code Maximum Bed Depth in
 Bed Width ft Bed Length ft Designer's Max Bed Depth in

Mound Design Summary

Absorption Bed Area ft² Bed Length ft Bed Width ft
 Absorption Width ft Clean Sand Lift ft Berm Width (0-1%) ft
 Upslope Berm Width ft Downslope Berm Width ft Endslope Berm Width ft
 Total System Length ft Total System Width ft Contour Loading Rate gal/ft

At-Grade Design Summary

Absorption Bed Width ft Absorption Bed Length ft System Finished Height ft
 Contour Loading Rate gal/ft Upslope Berm Width ft Downslope Berm Width ft
 Endslope Berm Width ft System Length ft System Width ft

Level & Equal Pressure Distribution Summary

No. of Perforated Laterals Perforation Spacing ft Perforation Diameter in
 Lateral Diameter in Min. Delivered Volume gal Maximum Delivered Volume gal

Non-Level and Unequal Pressure Distribution Summary

	Elevation (ft)	Pipe Size (in)	Pipe Volume (gal/ft)	Pipe Length (ft)	Perforation Size (in)	Spacing (ft)	Spacing (in)
Lateral 1							
Lateral 2							
Lateral 3							
Lateral 4							
Lateral 5							
Lateral 6							

Minimum Delivered Volume gal

Maximum Delivered Volume gal

5. Additional Info for At-Risk, HSW or Type IV Design

A. Calculate the organic loading

1. Organic Loading to Pretreatment Unit = Design Flow X Estimated BOD in mg/L in the effluent X 8.35 ÷ 1,000,000

gpd X mg/L X 8.35 ÷ 1,000,000 = lbs. BOD/day

2. Type of Pretreatment Unit Being Installed:

3. Calculate Soil Treatment System Organic Loading: BOD concentration after pretreatment ÷ Bottom Area = lbs./day/ft²

mg/L X 8.35 ÷ 1,000,000 ÷ ft² = lbs./day/ft²

Comments/Special Design Considerations:

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

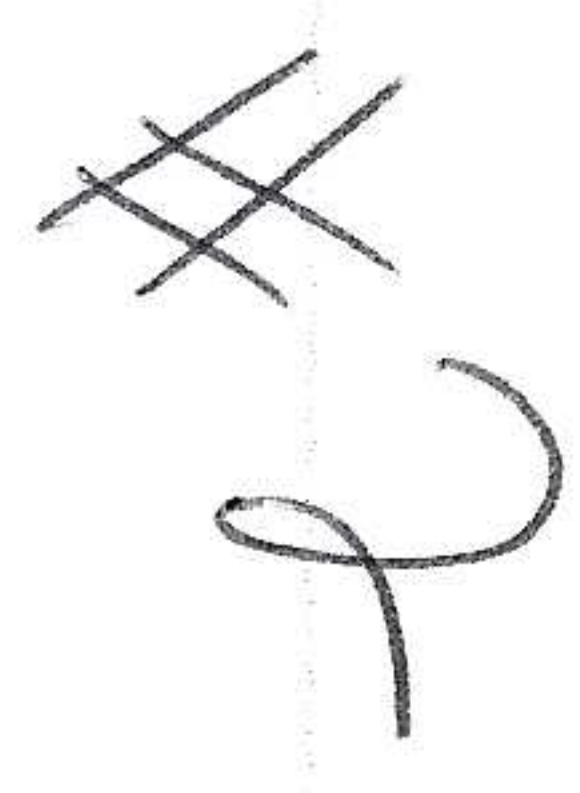
Brian Humpal
(Designer)

Brian Humpal
(Signature)

L2896
(License #)

09/06/18
(Date)

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Approval	Signature
Applicant	<p>Jon A. Bell - 10/31/2019 8:19 AM</p> <p>ca5153b6eaaeda5dda4b2cc3c6e130dc0e aa0346498f5e361b4ca378966b770e1c</p>
#1 Initial Office Review	<p>Kati Hallermann - 10/31/2019 8:23 AM</p> <p>67c21b603a67bc84cdf42dd4d37cc710 7682b4c2997b10e655853cad48c4e26a</p>
#2 Issue Permit	<p>Paul O'Neal - 10/31/2019 9:54 AM</p> <p>4bd7b776520268f590f0577b44c0aacd 8543db61e42147b32deb9f07c009e70</p> 

Public Notes

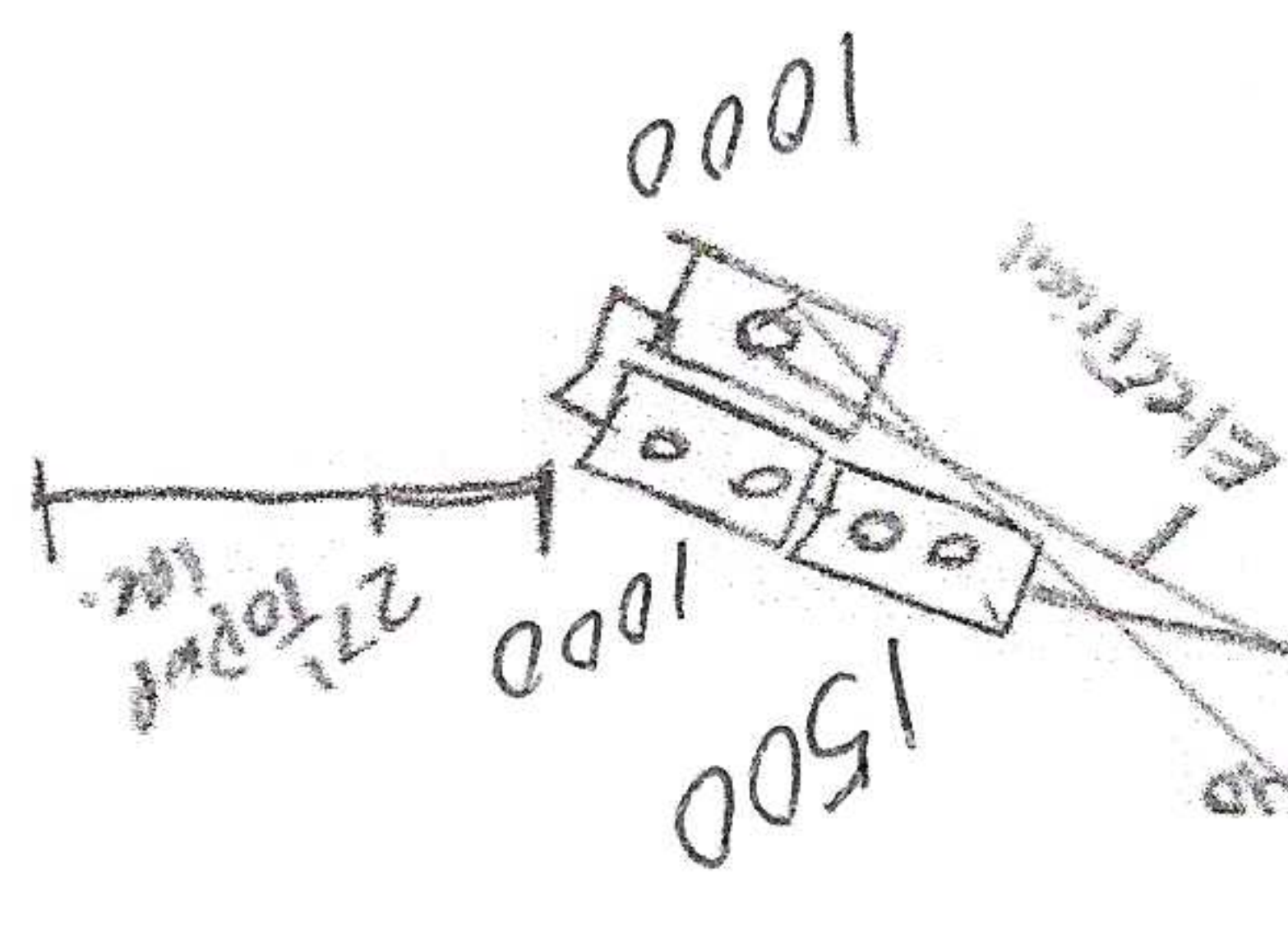
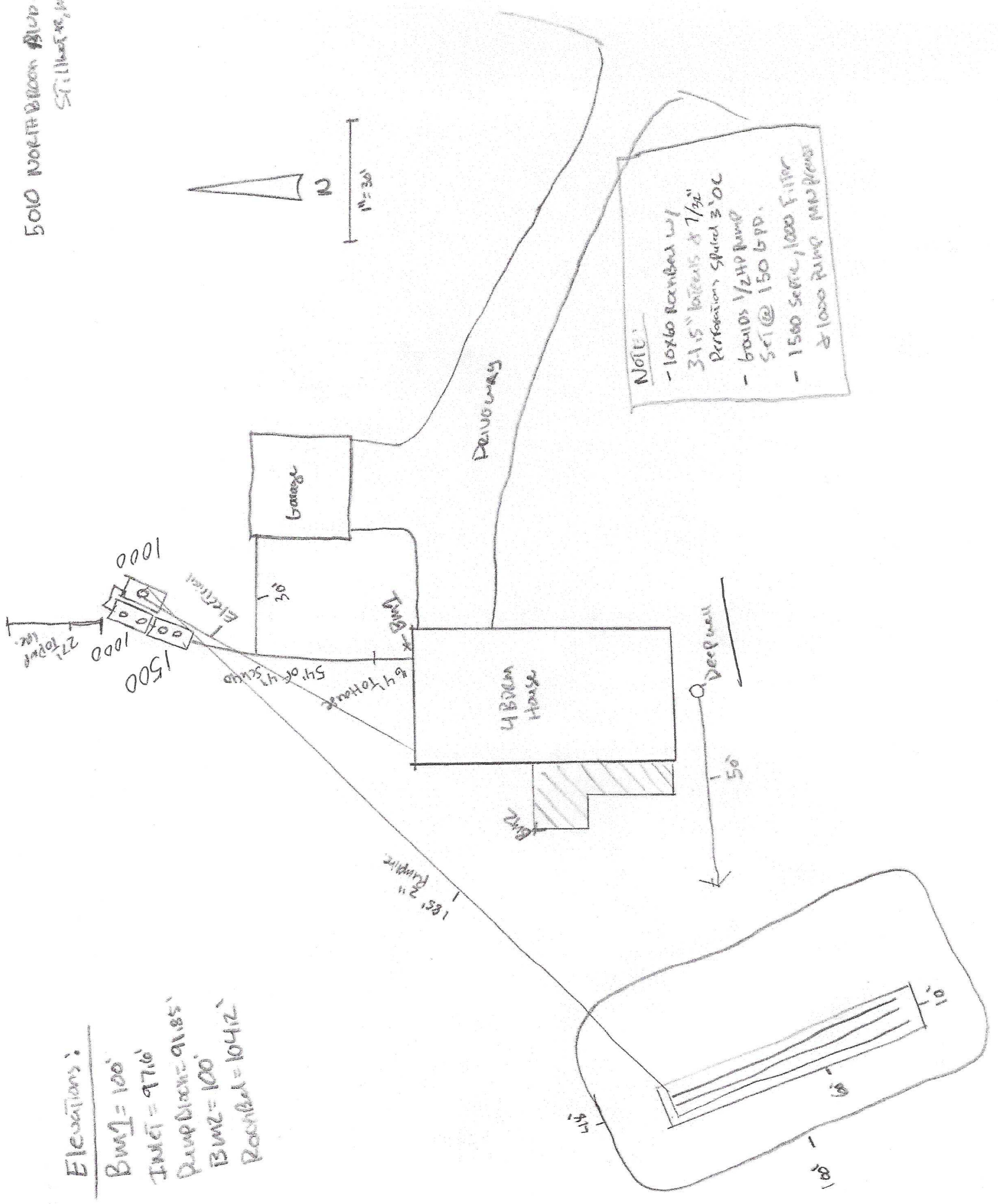
Text:

File(s):

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5010 NORTH BROWN BLVD.
 STILLMEAD, WY, 80130

Elevations:
 BM1 = 100'
 T.M.C.T. = 97.6'
 Pump Deck = 91.85'
 BM2 = 100'
 Reamed = 104.2'



1 1/2" 2" Rumpipe

6 1/4" 4" Hose

Pump

5' 10" 4" 3" 1/2"

Electrical

1000

1500

27' 10 1/2"

1" = 30'



NOTE:
 - 18x60 Reamed w/
 3 1/2" Perforated
 Pipe
 - 1/2 HP Pump
 Set @ 150 GPD.
 - 1500 Screen, 1000 Filter
 & 1000 Pump

Driveway

Garage

4 Bedroom House

Deep Well

50'

91.85'

100'

104.2'

100'

2SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to 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 period.
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 cannot 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 understands 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.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended. Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance.