

# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

**Instructions:**

Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/lafault/files/wq-wwists4-31a.pdf>. Instructions for filling out this form are located on the Minnesota Pollution

**Property information**

Parcel ID# or Sec/Twp/Range: 07-0-047803 Local tracking number: \_\_\_\_\_  
Reason for inspection: Selling  
Local regulatory authority info: Aitkin City  
Property address: 40990 Diamond Lake Str Aitkin  
Owner/representative: Bill Schmidt Owner's phone: 62-747-3044  
Brief system description: 2000/tank gravity to 2-64' Rock Trenches

**System status**

System status on date (mm/dd/yyyy): 10-4-23

**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: B-T Services LLC

Certification number: 03181

Inspector signature: Bob Paul

License number: 2028

*(This document has been electronically signed)*

Phone: 218-831-6430

**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):

07-0-047803

Property Address: 40990 Diamond Lake St, Aitkin 56431  
Business Name: B-T Services LLC

Date: 10-4-23

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:

checking for surface water from drain field or Backup into tank. Looked for ponding in Orion field

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: Jason Cooley
- License number of maintenance business: 2953
- Date of maintenance: 10-4-23
- 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:

check for cracks after pumping check for tank level before pumping to see if any Run backig while pumping. Probe outside tank for sewer moths



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Property Address: 40990 Diamond Lake Str A.H. 56431  
Business Name: BIT Services LLC

Date: 10-4-23

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: Visual

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)

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Property Address: 40990 Diamond Lake Str Atkin 56431

Business Name: B: T Services LLC

Date: 10-4-23

5. Soil separation – Compliance component #5 of 5

Date of installation \_\_\_\_\_  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):

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.

Indicate depths or elevations

A. Bottom of distribution media	23"
B. Periodically saturated soil/bedrock	64"
C. System separation	3'7"
D. Required compliance separation*	3'

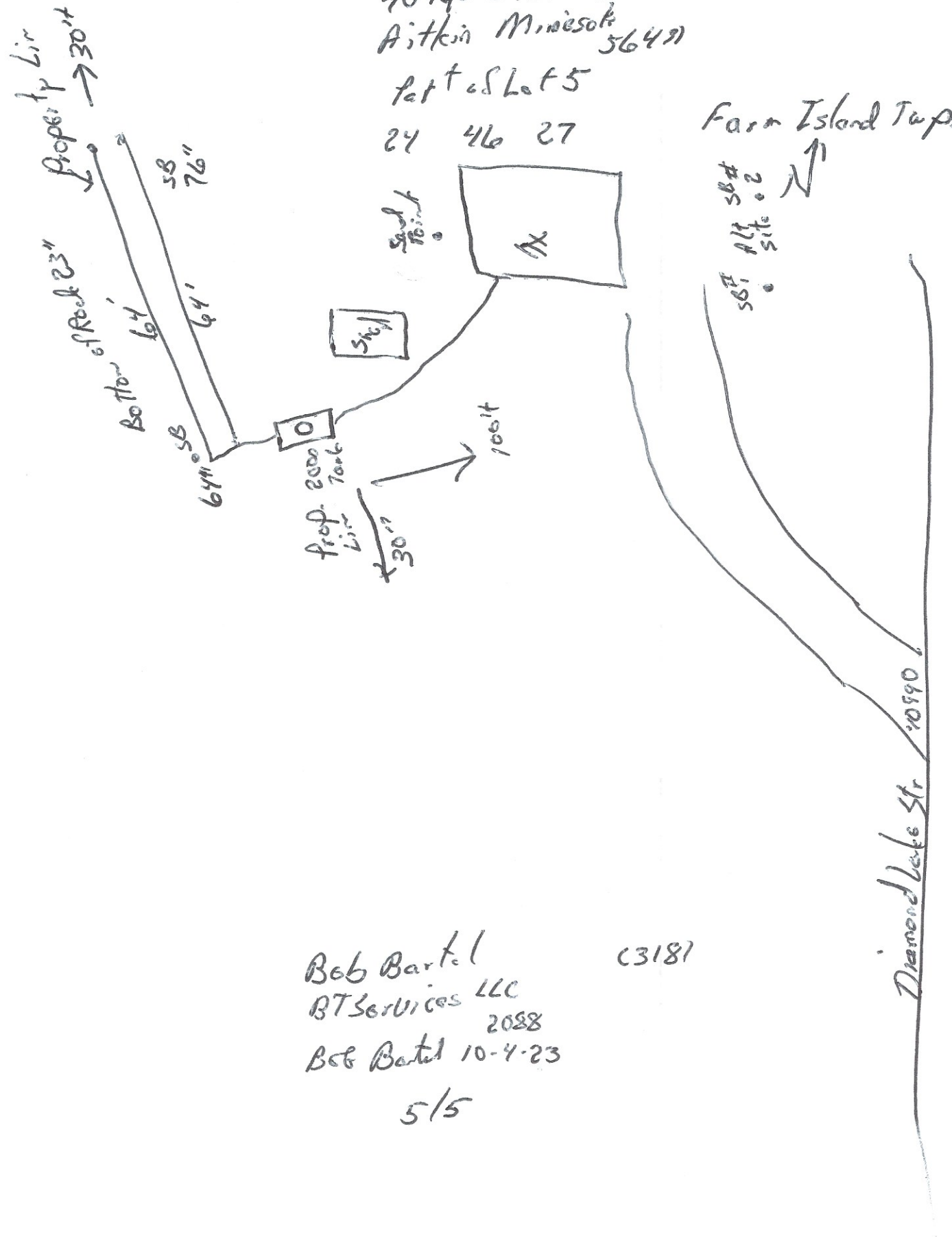
\*May be reduced up to 15 percent if allowed by Local Ordinance.

SB - 13' Topsoil 10p 3/3  
 SB 14' 10p 3/3 | 5' 10p 4/4  
 | 64" 2.0' | mottles 10p 4/2  
 | 5' 10p 4/4  
 76 10p 4/4  
 | mottles 10p 4/2

Describe verification methods and results: check install cert. if available  
Probe drain field for dept of Distribution material  
and Bottom of field. measure field depth and compare  
with install cert.

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.

07-0-047803  
 Bill Schmidt  
 40990 Diamond Lake Str  
 Aitkin Minnesota 56429  
 part of Lot 5  
 24 46 27



Bob Bartel C3181  
 BT Services LLC  
 2088  
 Bob Bartel 10-4-23  
 5/5



## Site Suitability Form

Property Owner: Bill Schmidt Date: 10-4-23  
 Mailing Address: 41199 310<sup>th</sup> Lane  
 City: Aitkin State: Mn. Zip: 56431  
 Home Phone Number: \_\_\_\_\_ Cell: 612-747-3044  
 Site Address: 40990 Diamond Lake Str  
 City: Aitkin State: Mn. Zip: 56431  
 Legal Description: Part Lot 5 N  
 Sec. 24 Twp: 16 Range: 27 Township Name: Farm Island  
 Parcel Number: 07-0-047803  
 Lake/River: N/A Lake/River Classification: N/A

Parcel  
**B**

### Description of Soil Treatment Areas

	(Proposed) Site #1		(Alternate) Site #2	
Disturbed Areas	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Compacted Areas	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Flooding	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Run on Potential	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Limiting Layer Depth	SB1 <u>16"</u>	SB2 <u>16"</u>	SB1 <u>14"</u>	SB2 <u>14"</u>
Slope % and Direction	<u>2%</u>		<u>2%</u>	
Soil Texture	<u>Sdy Loam</u>		<u>Sdy Loam</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>gentle Rise</u>		<u>gentle Rise</u>	
Vegetation Types	<u>woods</u>		<u>wood</u>	

Soil Sizing Factors/Hydraulic Loading Rates							
Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
0.1 to 5	Sand	0.83	1.20	31 to 45	Silt Loam	2.00	0.50
0.1 to 5	Fine Sand	1.67	0.60	46 to 60	Clay Loam	2.20	0.45
6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	****	0.24

Print Designer Name and License Number: Bob Bartel 2088  
 Address: P.O. Box 62  
 City: Brainerd State: Mn. Zip: 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-831-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 10-4-23  
 Comments/ Driving Directions: \_\_\_\_\_

07-0-047803

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Bill Schmidt

Date: 10-4-23

\*Record depths of all horizons.

\*Record all Redoximorphic Features, Restricting Layers and Saturated Soils.

\*Include all Chroma and Hue values in boring log.

Parcel **B**

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
13"	Topsoil	10p 3/3
1"		
16"	s-dylo-	10p 4/4

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
12"	Topsoil	10p 3/3
1"		
16"	s-dylo	10p 4/4

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
12"	Topsoil	10p 3/3
1"	s-dylo	10p 4/4
14"	2-d	

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
12"	Topsoil	10p 3/3
1"		
14"	s-dylo	10p 4/4

Legal Description: Part of Lot 5

Parcel Number: 07-0-047803

Designer Signature: Bob Bartel Date: 10-4-23

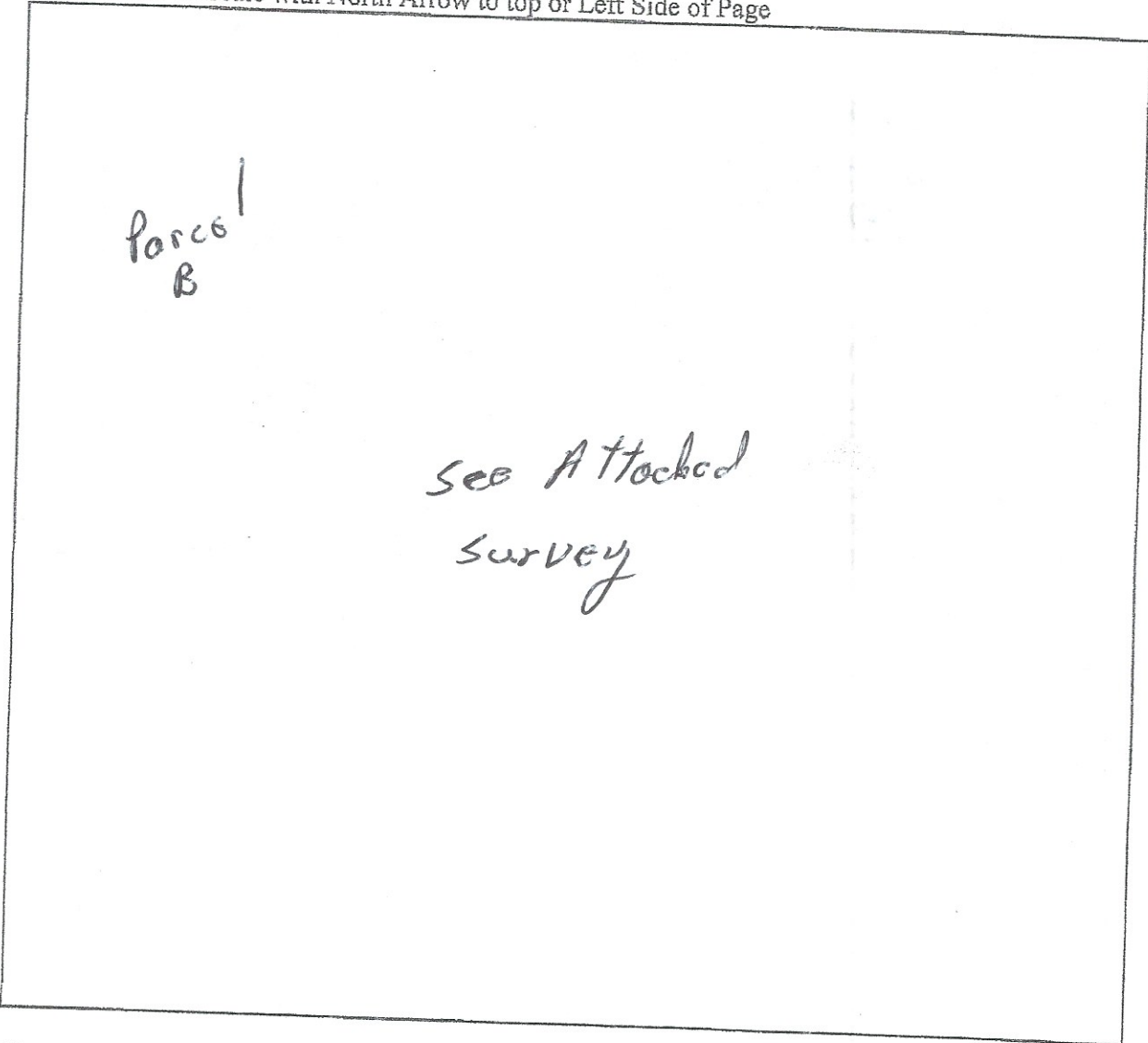
07-0-047803

Site Sketch for Site Suitability

Property Owner: Bill Schmidt

Date: 10-4-23

Please Draw to Scale with North Arrow to top or Left Side of Page



Show Existing or Proposed:

- Water Wells within 100 ft. of drainfield locations
- All soil boring Locations
- Disturbed/Compacted Areas
- OHW as Needed
- Lot Easements
- Property lines, all existing structures, all relative setbacks

Legal Description: Part of Lot 5

Parcel Number: 07-0-047803

Designer Signature: Bob Bell

Date: 10-7-23

License Number: 2088





## Site Suitability Form

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 Mailing Address: 41199 30<sup>th</sup> Lane  
 City: Aitkin State: Minnesota Zip: 56431  
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 Site Address: 40990 Diamond Lake St  
 City: Aitkin State: Minnesota Zip: 56431  
 Legal Description: Part Lot 5 N  
 Sec. 24 Twp: 16 Range: 27 Township Name: Farm Island  
 Parcel Number: 07-0-047803  
 Lake/River: N/A Lake/River Classification: N/A

Parcel C

### Description of Soil Treatment Areas

	(Proposed) Site #1		(Alternate) Site #2	
Disturbed Areas	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Compacted Areas	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Flooding	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Run on Potential	Yes _____	No <u>X</u>	Yes _____	No <u>X</u>
Limiting Layer Depth SB1	<u>16"</u>	SB2 <u>18"</u>	SB1 <u>16"</u>	SB2 <u>16"</u>
Slope % and Direction	<u>2%</u>		<u>2%</u>	
Soil Texture	<u>Sdy Loam</u>		<u>Sdy Loam</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>gentle Rise</u>		<u>gentle Rise</u>	
Vegetation Types	<u>woods</u>		<u>woods</u>	

Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
0.1 to 5	Sand	0.83	1.20	31 to 45	Silt Loam	2.00	0.50
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Print Designer Name and License Number: Bob Bartel 2088  
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 City: Brainerd State: Minnesota Zip: 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-831-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 10-4-23  
 Comments/ Driving Directions: \_\_\_\_\_

07-0-047803

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Bill Schmidt

Date: 10-4-23

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- \*Record all Redoximorphic Features, Restricting Layers and Saturated Soils.
- \*Include all Chroma and Hue values in boring log.

Parcel C

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
13"	Topsoil	10R 3/3
1		
16"	s-sly	10R 4/4

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
13"	Topsoil	10R 3/3
1		
18"	s-sly loam	10R 4/4

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
12"	Topsoil	10R 3/3
1		
16"	s-sly	10R 4/4

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
12"	Topsoil	10R 3/3
1		
16"	s-sly	10R 4/4

Legal Description: Part of Lot 5

Parcel Number: 07-0-047803

Designer Signature: Bob Bartel

Date: 10-4-23



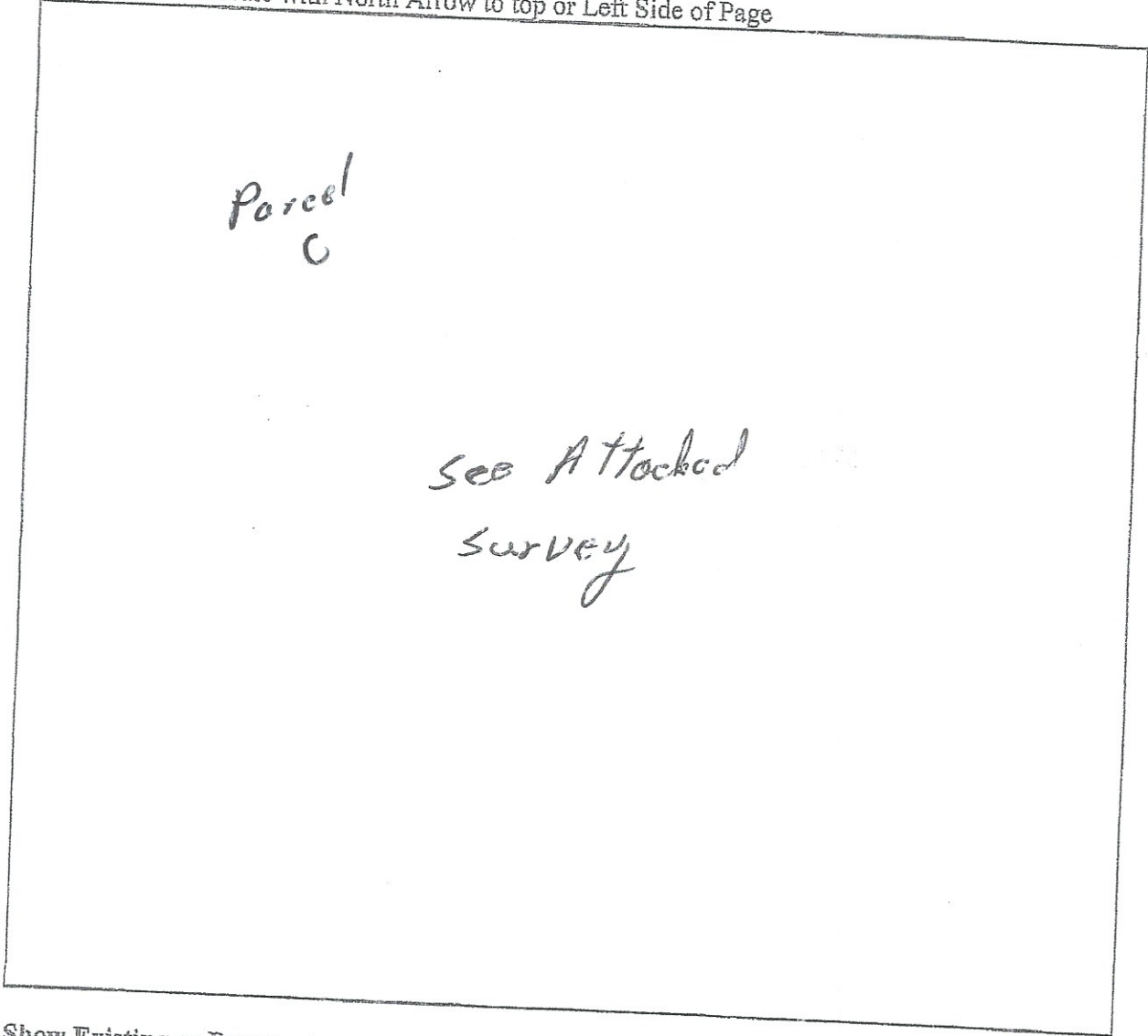
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Site Sketch for Site Suitability

Property Owner: Bill Schmidt

Date: 10-4-23

Please Draw to Scale with North Arrow to top or Left Side of Page



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- Water Wells within 100 ft. of drainfield locations
- All soil boring Locations
- Disturbed/Compacted Areas
- OHW as Needed
- Lot Easements
- Property lines, all existing structures, all relative setbacks

Legal Description: Part of Lot 5

Parcel Number: 07-0-047803

Designer Signature: Bob Ball

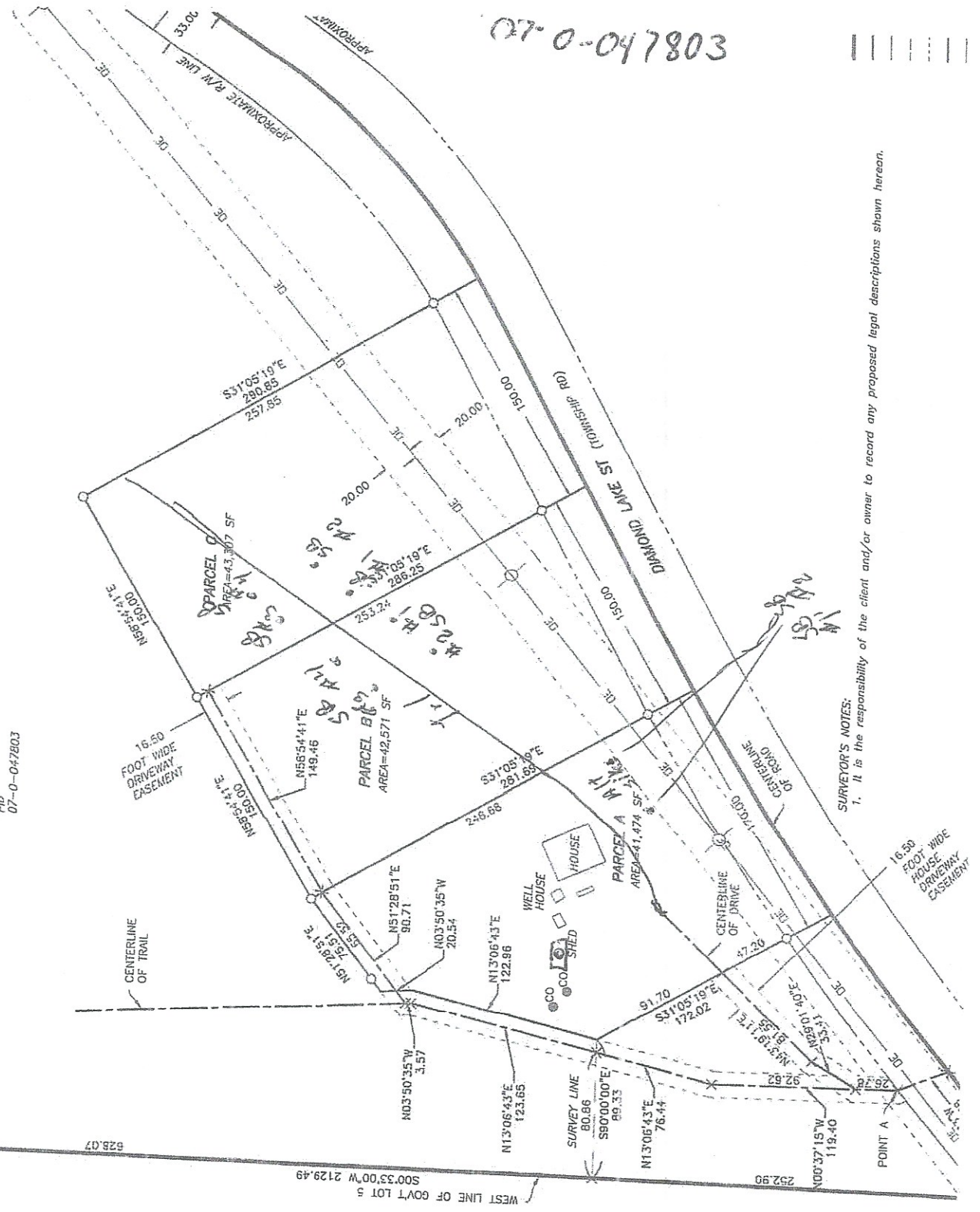
Date: 10-7-23

License Number: 2088

07-0-047803

0 1 0 7 1 0 0 0

PID 07-0-047803



**SURVEYOR'S NOTES:**  
 1. It is the responsibility of the client and/or owner to record any proposed legal descriptions shown hereon.

WEST LINE OF GOV'T LOT 5  
 S00°33'00"W 2129.49

628.07

POINT A

292.90

100°37'15"W 119.40

50.62

N43°19'17"E

302.51

S30°54'10"E

172.02

S31°08'19"E

172.02

91.70

S31°08'19"E

248.88

S51°08'19"E

281.88

S31°08'19"E

280.85

257.85

S31°08'19"E

290.85

353.00

APPROXIMATE E/W LINE

APPROXIMATE