

# 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 10 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: 29-0-043403 Reason for Inspection: Lot Splits

Local regulatory authority info: Atkin

Property address: 20474 487<sup>th</sup> Str McGregor 56760

Owner/representative: Steve Harrala Owner's phone: 612-308-7736

Brief system description: Parcel A

### System status

System status on date (mm/dd/yyyy): 8-18-23

**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 Sales Certification number: 03181

Inspector signature: Bob Partis License number: 2022

*(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): \_\_\_\_\_

29-0-043403

Property Address: 20474 487 Str McGregor 56760  
Business Name: B.T. Sales Date: 8-18-23

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

*Any "yes" answers above indicate the system is an imminent threat to public health and safety.*

Describe verification methods and results:

checked for surface water from Drain field or Back up into Tank. Looked for ponding in Drain 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: \_\_\_\_\_

License number of maintenance business: \_\_\_\_\_

Date of maintenance: \_\_\_\_\_

Existing tank integrity assessment (Attach)

Date of maintenance (mm/dd/yyyy): \_\_\_\_\_ (must be within three years)

*Any "yes" answers above indicate the system is failing to protect ground water*

(See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))

Describe verification methods and results:

check for cracks after pumping check Tank Level before pumping and see if any run back while pumping. probe outside Tank for sewer mottles

Property Address: 20474 487-Str. McGregor 56260

Business Name: BJT Sales

Date: 8-18-23

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

*\*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: *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

*Any "no" answer indicates noncompliance.*

Describe verification methods and results:

Attached supporting documentation:  Operating permit (Attach)

Property Address: 20474 487<sup>th</sup> Str McGregor 56760 <sup>29-0-043403</sup>  
 Business Name: A.T. Sales Date: 8-18-23

**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	1' Sand Base
B. Periodically saturated soil/bedrock	24"
C. System separation	3'
D. Required compliance separation*	3'

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

SB 8" Topsoil 10y 3/3  
 1/24 loam 7.5y 4/4  
 1 mottles 7.5y 4/2

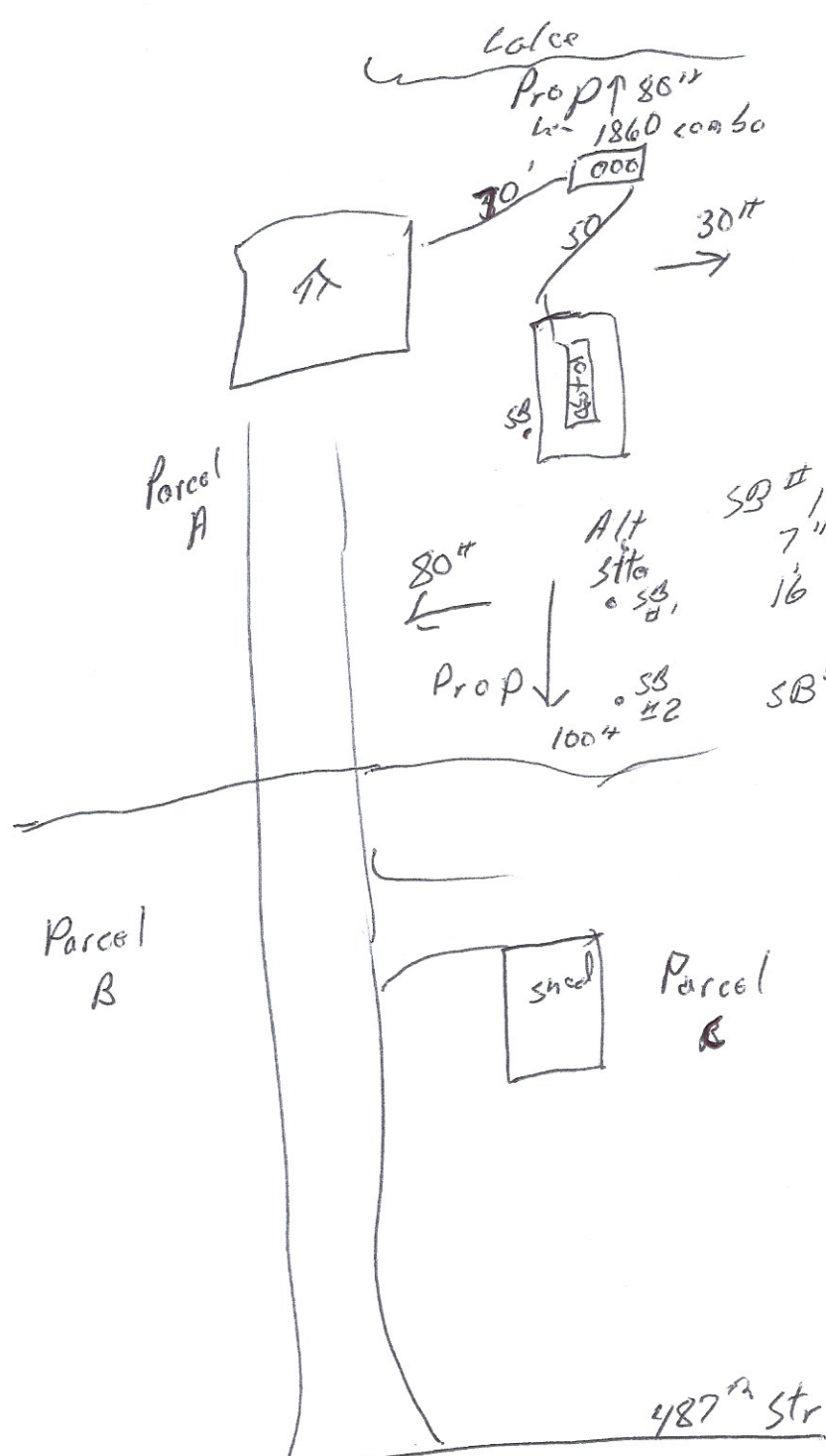
\*Any "no" answer above indicates the system is failing to protect groundwater

Describe verification methods and results: *check install cert. if available*  
*Probe Drainfield for Dept of Distribution material and bottom of field measure field to 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.

29-G-043403  
 Steve Herrala  
 20474 487<sup>th</sup> Str  
 McGregor Minnesota 56760  
 Lot 1 Tract A  
 20 49-23

Shamrock Trwp  
 ↑



SB #1  
 7" Top soil 10R3B  
 16 loam 7.5gr 1/4

SB #2  
 7" Top soil 10R3/3  
 1 loam 7.5gr 1/4  
 16

Bob Bartel  
 BT Services LLC 2088  
 Bob Bartel 8-18-23  
 Pg 5

487<sup>th</sup> Str  
 c3181

# Site Suitability Form

Property Owner: Steve Hortal Date: 8-18-23  
 Mailing Address: 12884 E Silver Sage Lane  
 City Rio Verde AZ State: \_\_\_\_\_ Zip 85263  
 Home Phone Number: \_\_\_\_\_ Cell: 612-308-7736  
 Site Address: 20474 482<sup>nd</sup> Str  
 City McGregor State Minnesota Zip 56760  
 Legal Description: Pat Gov Lot 1  
 Sec. 20 Twp: 49 Range: 23 Township Name: Shamrock  
 Parcel Number: 29-0-043403  
 Lake/ River: Rig Sdy Lake/River Classification: GD

## Parcel B

### Description of Soil Treatment Areas

	(Proposed) Site #1		(Alternate) Site #2	
	Yes	No	Yes	No
Disturbed Areas	_____	<u>X</u>	_____	<u>X</u>
Compacted Areas	_____	<u>X</u>	_____	<u>X</u>
Flooding	_____	<u>X</u>	_____	<u>X</u>
Run on Potential	_____	<u>X</u>	_____	<u>X</u>
Limiting Layer Depth SB1	<u>16"</u>	_____	_____	_____
	_____	<u>16"</u>	_____	<u>16"</u>
Slope % and Direction	<u>0</u>		<u>0</u>	
Soil Texture	<u>Loam</u>		<u>Loam</u>	
Soil Sizing Factor	<u>1.67</u>		<u>1.67</u>	
Landscape Position	<u>Level</u>		<u>Level</u>	
Vegetation Types	<u>woods</u>		<u>woods</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 Bronard State Minnesota Zip 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-831-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 8-18-23  
 Comments/ Driving Directions: \_\_\_\_\_

29-0-043403

# Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Steve Harrala

Date: 8-18-23

- \*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
7"	Topsoil	10R 3/3
1"	Loam	7.5R 4/4
16"		

### #2 Proposed Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
1"	Loam	7.5R 4/4
16"		

### #1 Alternate Site

Depth in Inches	Texture	Munsell Color
Same		

### #2 Alternate Site

Depth in Inches	Texture	Munsell Color
7"	Topsoil	10R 3/3
1"	Loam	7.5R 4/4
16"		

Legal Description: Part Gov Lot 1

Parcel Number: 29-0-043403

Designer Signature: Bob Bartel

Date: 8-18-23

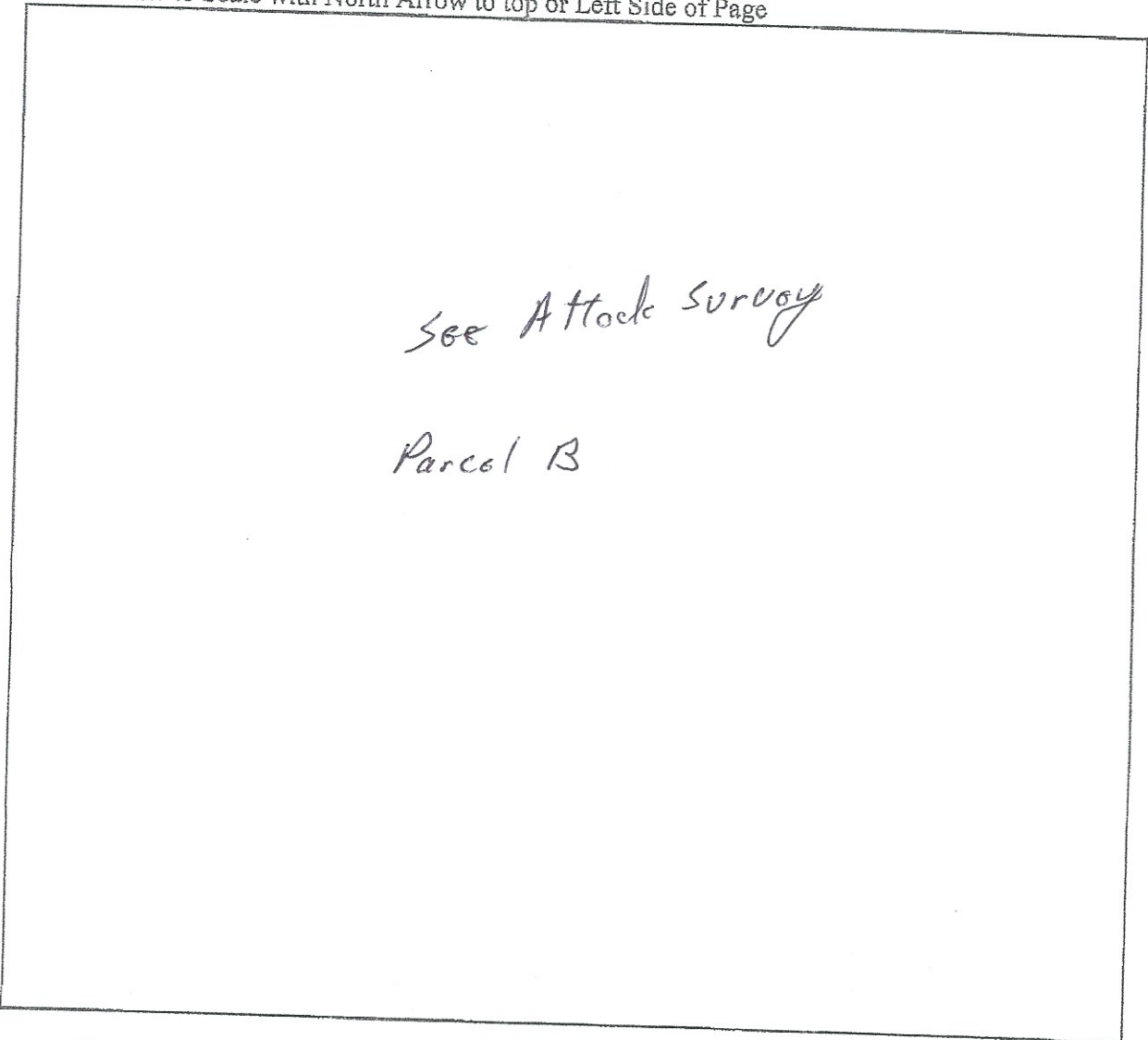
29-0-043403

Site Sketch for Site Suitability

Property Owner: Steve Herrale

Date: 8-18-23

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 Gov Lot 1

Parcel Number: 29-0-043403

Designer Signature: Bob Ball

Date: 8-18-23

License Number: 2088



## Site Suitability Form

Property Owner: Steve Herrala Date: 8-18-23  
 Mailing Address: 12884 E Silver Sage Lane  
 City: Rio Verde Az State: \_\_\_\_\_ Zip: 85263  
 Home Phone Number: \_\_\_\_\_ Cell: 612-308-7736  
 Site Address: 20474 487th St  
 City: McGregor State: Minnesota Zip: 56760  
 Legal Description: Pat God Lot 1  
 Sec. 20 Twp: 49 Range: 23 Township Name: Shamrock  
 Parcel Number: 29-D-043403  
 Lake/River: Rig S-dy Lake/River Classification: GD

**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>18"</u>	SB2 <u>18"</u>	SB1 <u>16"</u>	SB2 <u>16"</u>
Slope % and Direction	<u>0</u>		<u>0</u>	
Soil Texture	<u>Loam</u>		<u>Loam</u>	
Soil Sizing Factor	<u>1.67</u>		<u>1.67</u>	
Landscape Position	<u>Low</u>		<u>Low</u>	
Vegetation Types	<u>woods</u>		<u>woods</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
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6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	2.20	0.24

Print Designer Name and License Number: Bob Bartel 2088  
 Address: P.O. Box 62  
 City: Branford State: Minnesota Zip: 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-231-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 8-18-23  
 Comments/ Driving Directions: \_\_\_\_\_

29-0-043403

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Steve Harrala

Date: 8-18-23

\*Record depths of all horizons.

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

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

Parcel C

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
18"	Loam	7.5YR 4/4

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
18"	Loam	7.5YR 4/4

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
8"	Topsoil	10R 3/3
16"	Loam	7.5YR 4/4

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
8"	Topsoil	10R 3/3
16"	Loam	7.5YR 4/4

Legal Description: Part Gov Lot 1

Parcel Number: 29-0-043403

Designer Signature: Bob Bertel

Date: 8-18-23

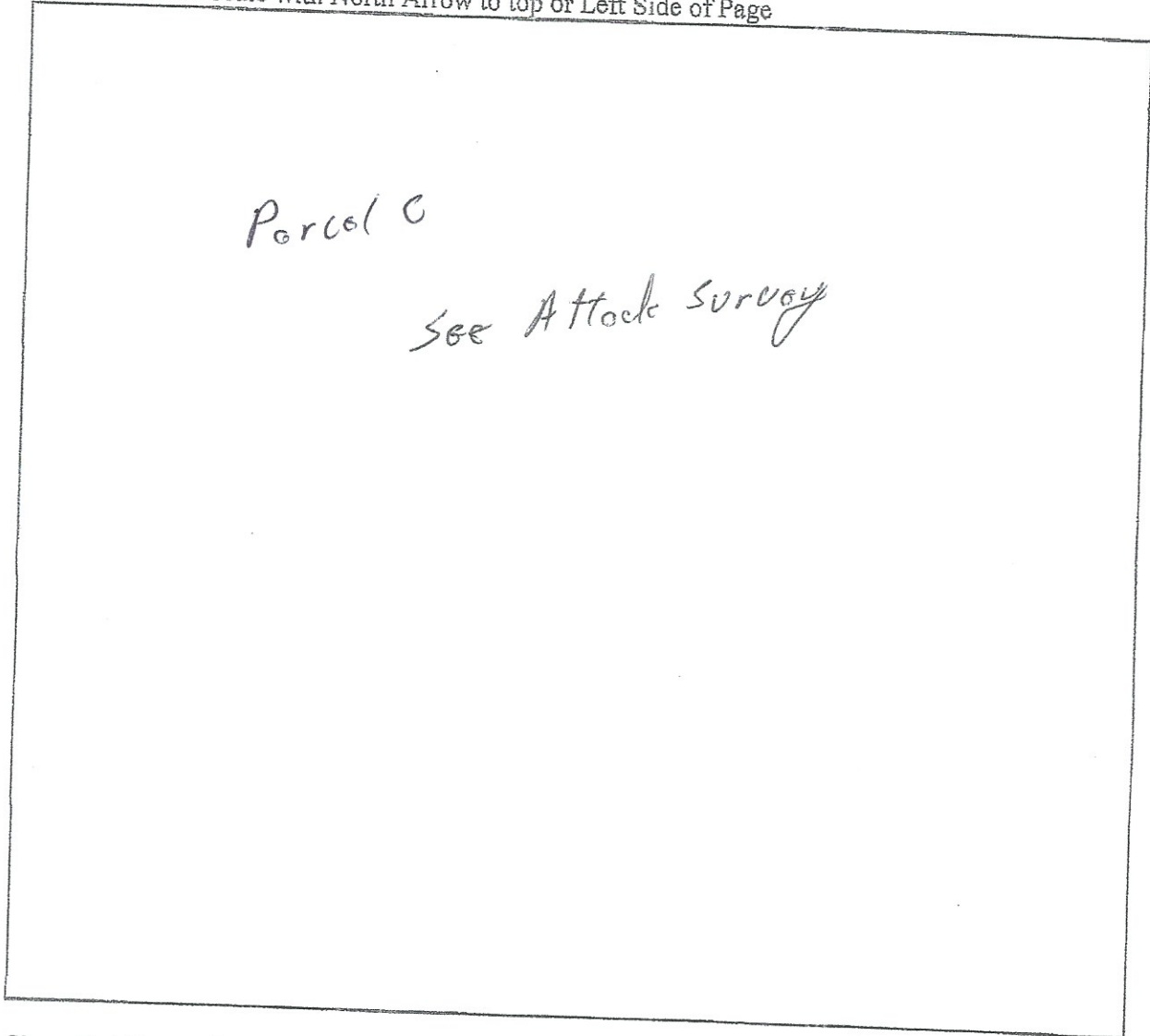
29-0-043403

Site Sketch for Site Suitability

Property Owner: Steve Herralc

Date: 8-18-83

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



Parcel C

See Attach Survey

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 Gov Lot 1

Parcel Number: 29-0-043403

Designer Signature: Bob Ball

Date: 8-18-83

License Number: 2088