

## Site Suitability Form

Property Owner: Dick, Kathy Beatty Date: 4-30-24  
 Mailing Address: 19281 530<sup>th</sup> Lane  
 City: Mc Grove State: Mississippi Zip: 55760  
 Home Phone Number: \_\_\_\_\_ Cell: 615-924-4697  
 Site Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Legal Description: Gen Lot 2  
 Sec. 33 Twp: 50 Range: 23 Township Name: Turner  
 Parcel Number: 32-0-34102  
 Lake/River: Sandy Lake/River Classification: GD

#1

### Description of Soil Treatment Areas

	(Proposed) Site #1		(Alternate) Site #2	
Disturbed Areas	Yes _____	No <u>1</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>13"</u>	SB2 <u>14"</u>	SB1 <u>15"</u>	SB2 <u>13"</u>
Slope % and Direction	<u>1% North by west</u>		<u>South</u>	
Soil Texture	<u>Sand</u>		<u>Sand</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>gentle</u>		<u>gentle</u>	
Vegetation Types	<u>wood</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: Brownie State: Mississippi Zip: 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-331-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 4-30-24  
 Comments/ Driving Directions: \_\_\_\_\_

32-0-54102  
 Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Dick, Kathy Beatty Date: 4-30-24

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

#1

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
4"	Topsoil	10YR 3/3
1	S-dy	10YR 4/4
13"		

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
4"	Topsoil	10YR 3/3
1		
14"	S-dy	10YR 4/4

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Top soil	10YR 3/3
1		
15"	S-d	10YR 4/4

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10YR 3/3
1		
13"	S-d	10YR 4/4

Legal Description: Gov Lot 2

Parcel Number: 32-0-54102

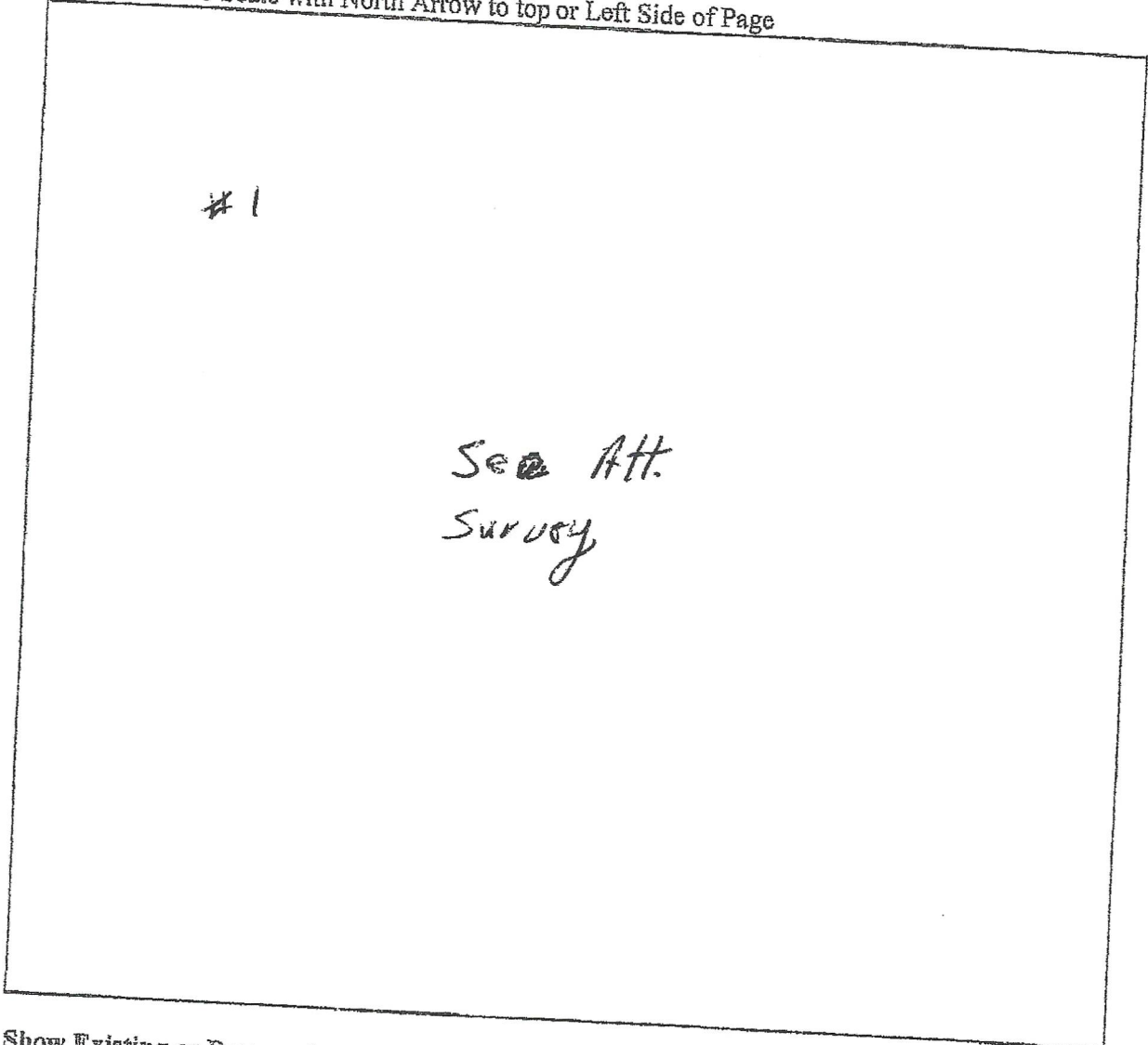
Designer Signature: Bob Bortel Date: 4-30-24

32-0-54102  
Site Sketch for Site Suitability

Property Owner: Dick Kolby Beatty

Date: 4-30-24

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: Gov Lot 2

Parcel Number: 32-0-54102

Designer Signature: Bob Ball

License Number: 2088

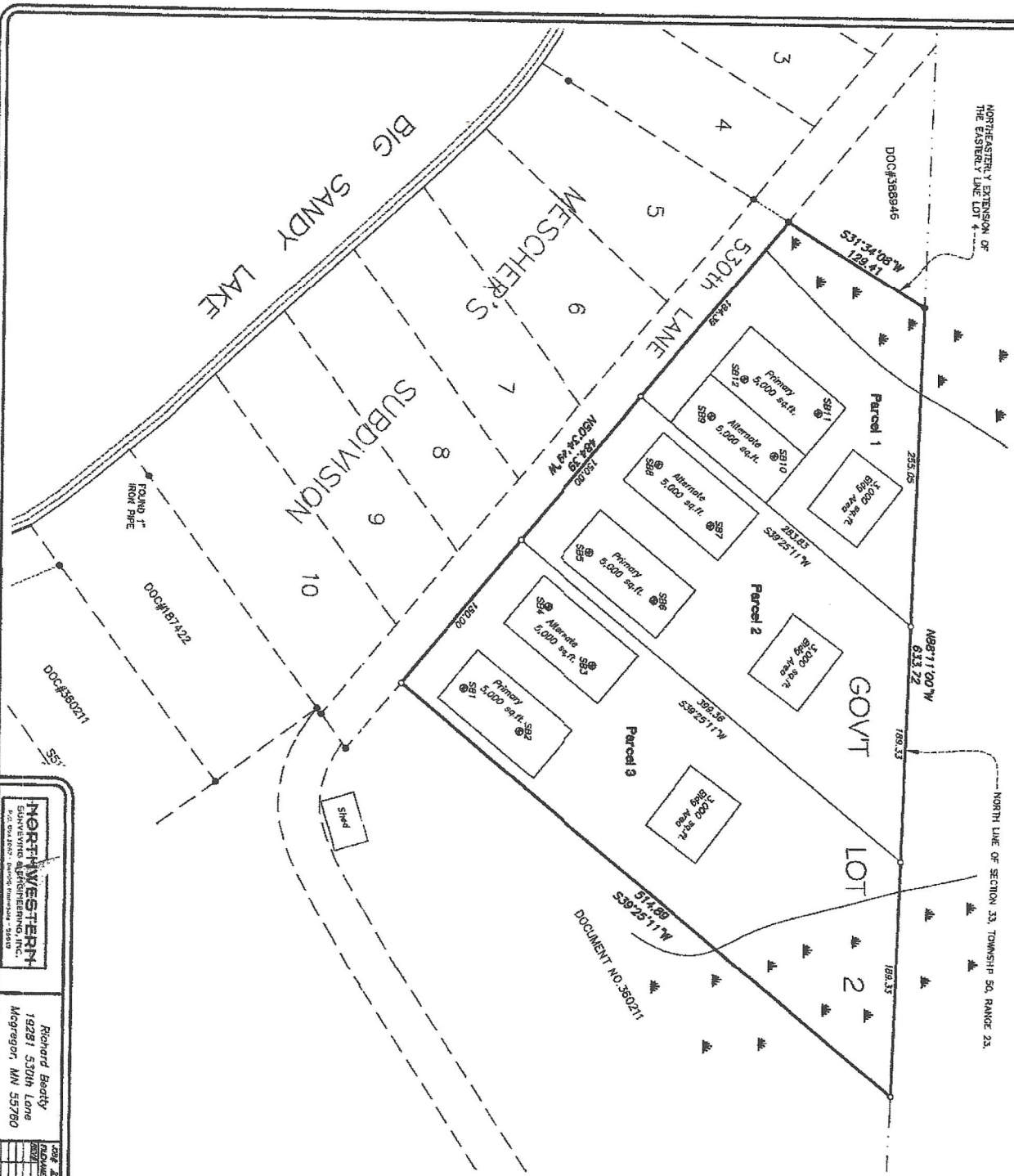
Date: 4-30-24

**CERTIFICATE OF SURVEY**  
**SECTION 33, TOWNSHIP 50 NORTH, RANGE 23 WEST**  
**AITKIN COUNTY, MINNESOTA**

32-0-54102

NORTHEASTLY EXTENSION OF THE EASTERN LINE LOT 1

NORTH LINE OF SECTION 33, TOWNSHIP 50, RANGE 23.



## Site Suitability Form

Property Owner: Dick & Kathy Beatty Date: 4-30-24  
 Mailing Address: 19281 530<sup>th</sup> Lane  
 City: McCleary State: Washington Zip: 98560  
 Home Phone Number: \_\_\_\_\_ Cell: 651-724-4697  
 Site Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Legal Description: Co. 2  
 Sec. 33 Twp: 50 Range: 23 Township Name: Tunas  
 Parcel Number: 32-0-54100  
 Lake/River: Big Sandy Lake/River Classification: GD

#2

### 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>14"</u>	SB2 <u>14"</u>	SB1 <u>14"</u>	SB2 <u>14"</u> <u>+</u>
Slope % and Direction	<u>South</u>		<u>South</u>	
Soil Texture	<u>Sand</u>		<u>Sand</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>gentle</u>		<u>gentle</u>	
Vegetation Types	<u>wood</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 602  
 City: Branford State: Washington Zip: 98540  
 Home Phone Number: \_\_\_\_\_ Cell: 218-331-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 4-30-24  
 Comments/ Driving Directions: \_\_\_\_\_

32-0-54102

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Dick & Kathy Beatty

Date: 4-30-24

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

#2

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R 3/3
1	Snd	10R 4/4
14"		

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R 3/3
1	Snd	10R 4/4
14"		

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
1	Snd	10R 4/4
14"		

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
1	Snd	10R 3/3
14"		

Legal Description: Gen Lot 2

Parcel Number: 32-0-54102

Designer Signature: Bob Bortel

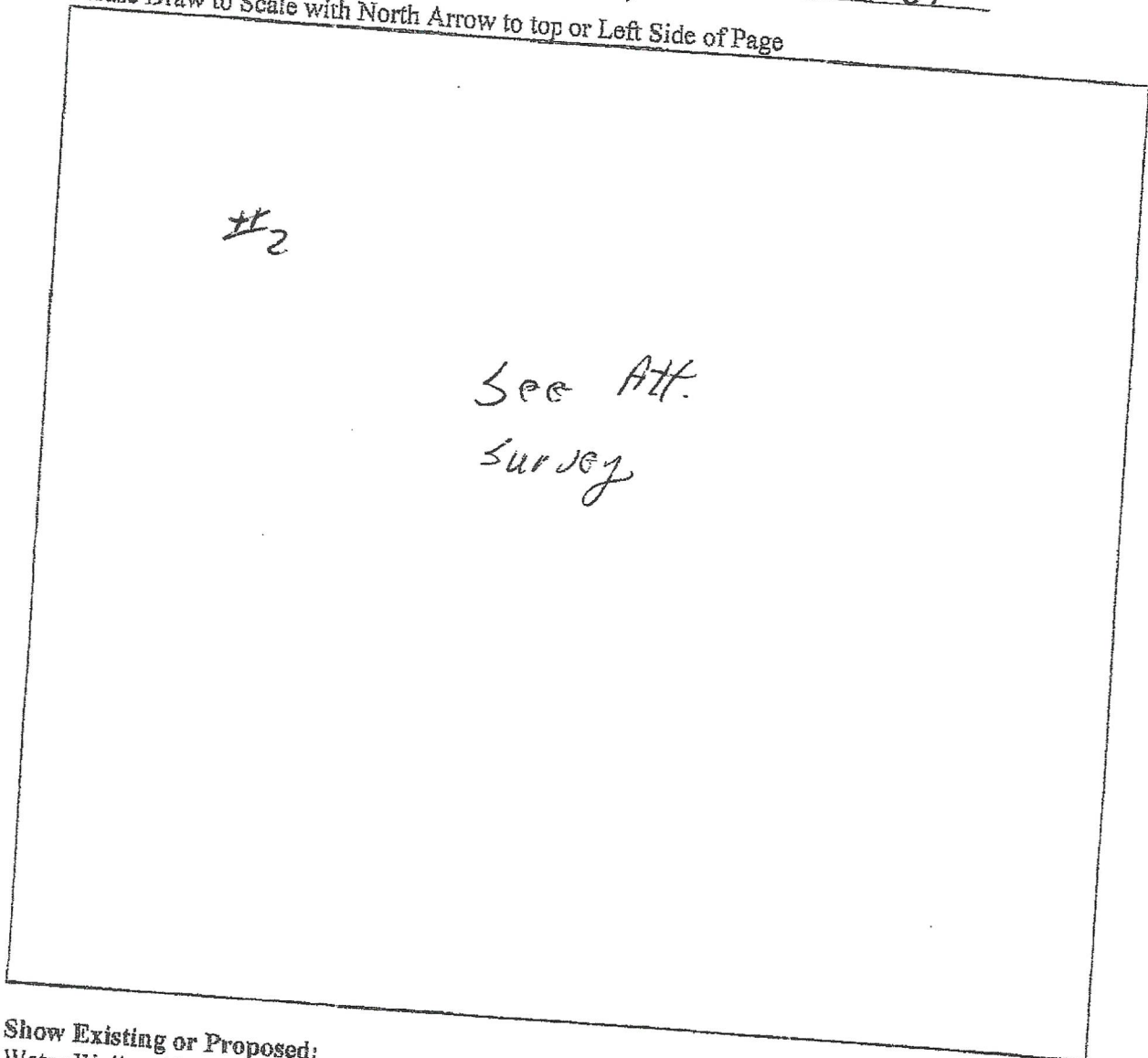
Date: 4-30-24

32-0-54102

Site Sketch for Site Suitability

Property Owner: Dick & Kathy Beatty Date: 4-30-24

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: Gen Lot 2

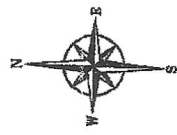
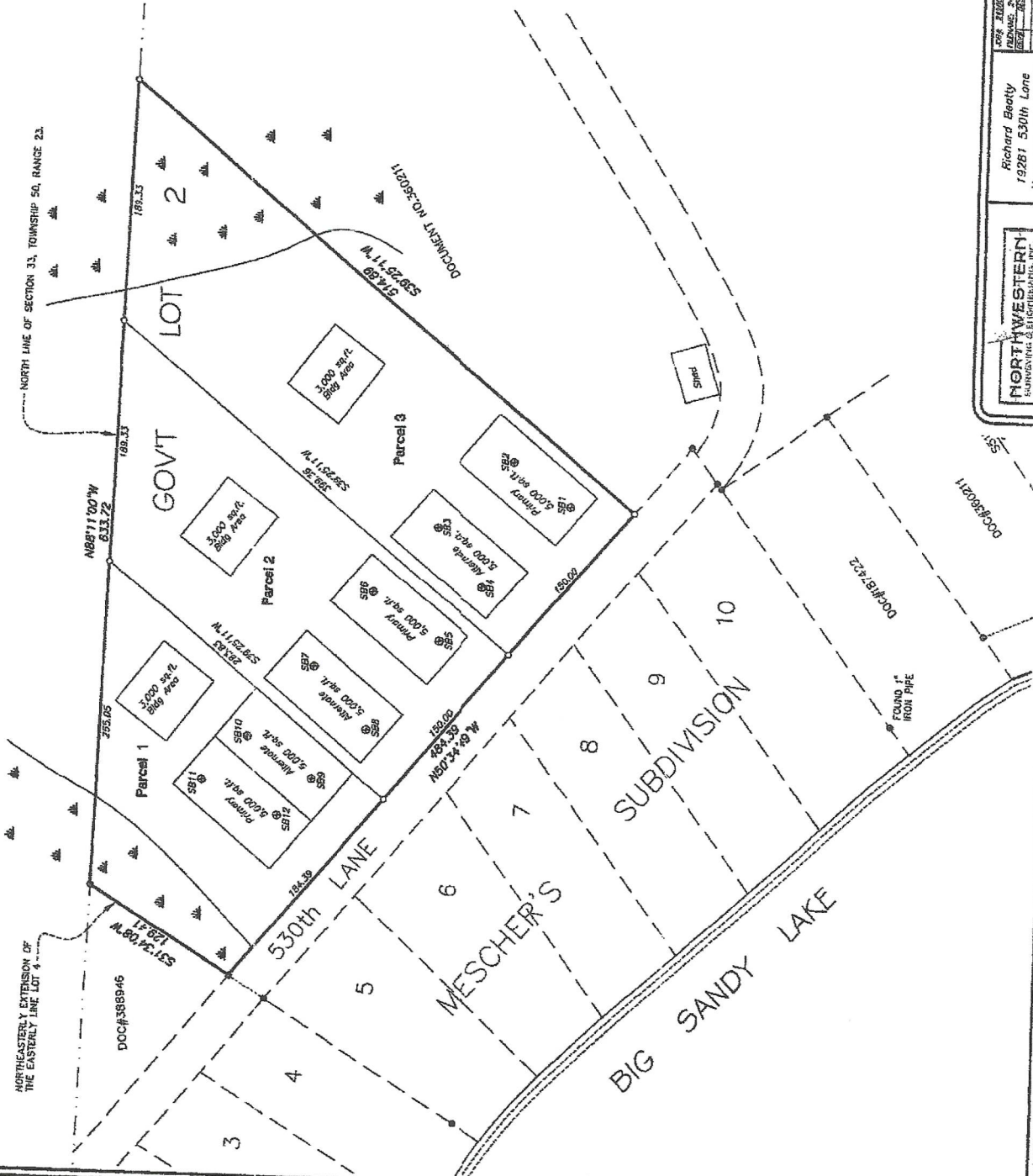
Parcel Number: 32-0-54102

Designer Signature: Bob Ball Date: 4-30-24

License Number: 2088

**CERTIFICATE OF SURVEY**  
 SECTION 33, TOWNSHIP 50 NORTH, RANGE 23 WEST  
 AITKIN COUNTY, MINNESOTA

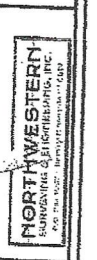
32-0-34102



- REMARKS ARE BASED ON ADJACENT  
 AITKIN COUNTY COORDINATE SYSTEM
- IRON MONUMENT FOUND
  - IRON MONUMENT SET WITH CAP NO. 58551
  - ▲ LOW AREA
  - ⊙ SOIL BORING

FOR RECORD  
 PLAN NO. 20220202  
 DATE 03/28/2022

Richard Beatty  
 19281 530th Lane  
 McGregor, MN 55760



DATE



## Site Suitability Form

Property Owner: Dick & Kathy Beatty Date: 4-30-24  
 Mailing Address: 17281 530<sup>th</sup> Lane  
 City: McGregor State: IA Zip: 55760  
 Home Phone Number: \_\_\_\_\_ Cell: 661-224-4697  
 Site Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Legal Description: Gov Lot 2  
 Sec. 33 Twp: 50 Range: 23 Township Name: Turner  
 Parcel Number: 32-0-54102  
 Lake/River: Big Sudy Lake/River Classification: GD

#3

	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>12"</u>	SB2 <u>12"</u>	SB1 <u>14"</u>	SB2 <u>14"</u>
Slope % and Direction	<u>1% Southwesterly</u>		<u>1% Southwesterly</u>	
Soil Texture	<u>2.27</u>		<u>1.27</u>	
Soil Sizing Factor	<u>Sud</u>		<u>Sud</u>	
Landscape Position	<u>gentle</u>		<u>gentle</u>	
Vegetation Types	<u>wood</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: Branched State: Mn Zip: 56401  
 Home Phone Number: \_\_\_\_\_ Cell: 218-831-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 4-30-24  
 Comments/ Driving Directions: \_\_\_\_\_

32-054102

# Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Dick & Kathy Beatty

Date: 4-30-24

\*Record depths of all horizons.

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

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

#3

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
12"	Sand	10R 4/4

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
6"	Topsoil	10R 3/3
2"	Sand	10R 4/4

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R 3/3
14"	Sand	10R 3/3

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R 3/3
14"	Sand	10R 3/3

Legal Description: Gov Lot 2

Parcel Number: 32-0-54102

Designer Signature: Bob Bortel

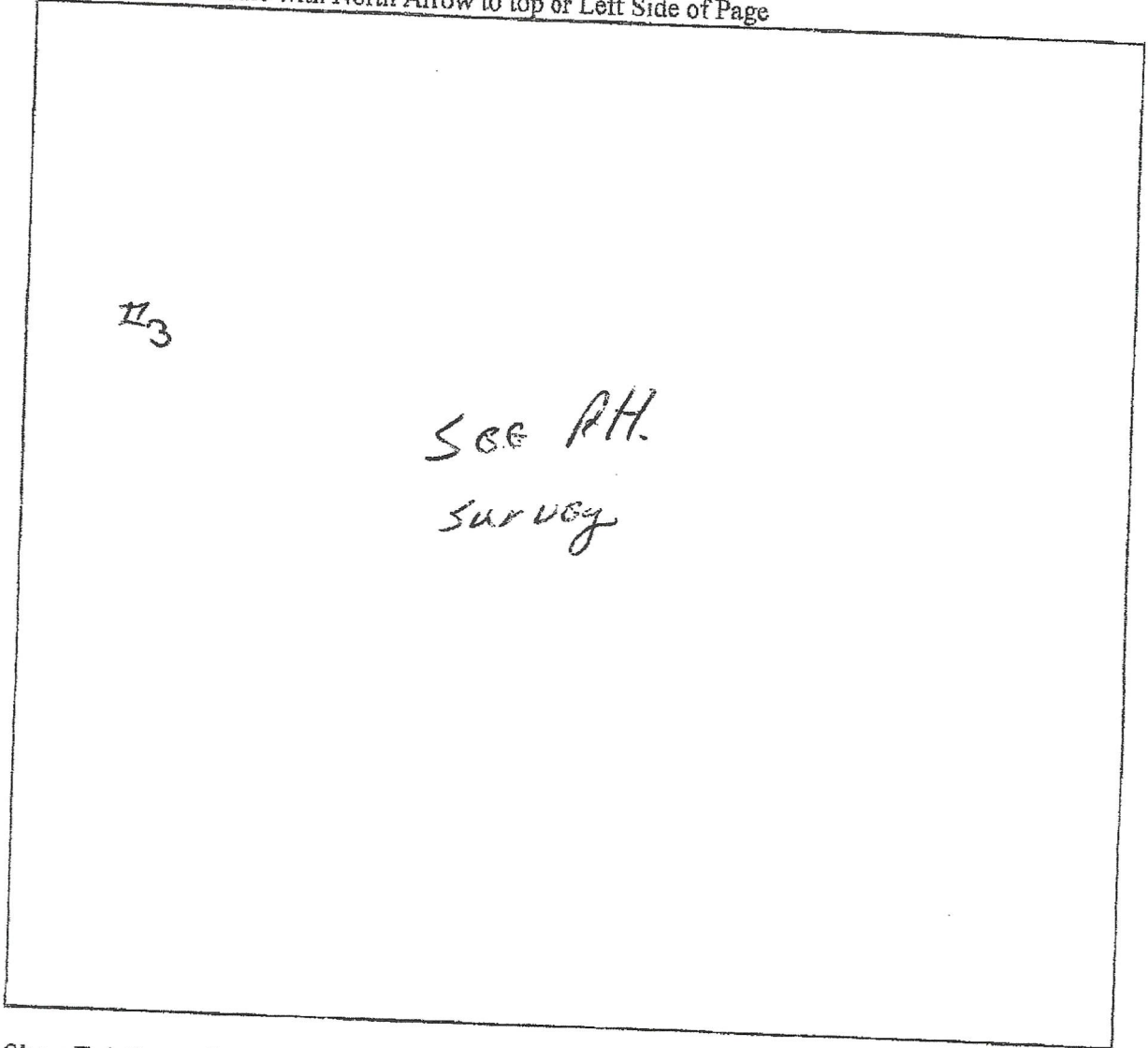
Date: 4-30-24

32-0-54102  
Site Sketch for Site Suitability

Property Owner: Dick Kelly Beatty

Date: 4-30-24

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: Gen. Lot 2

Parcel Number: 32-0-54102-

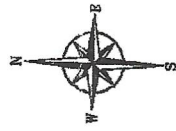
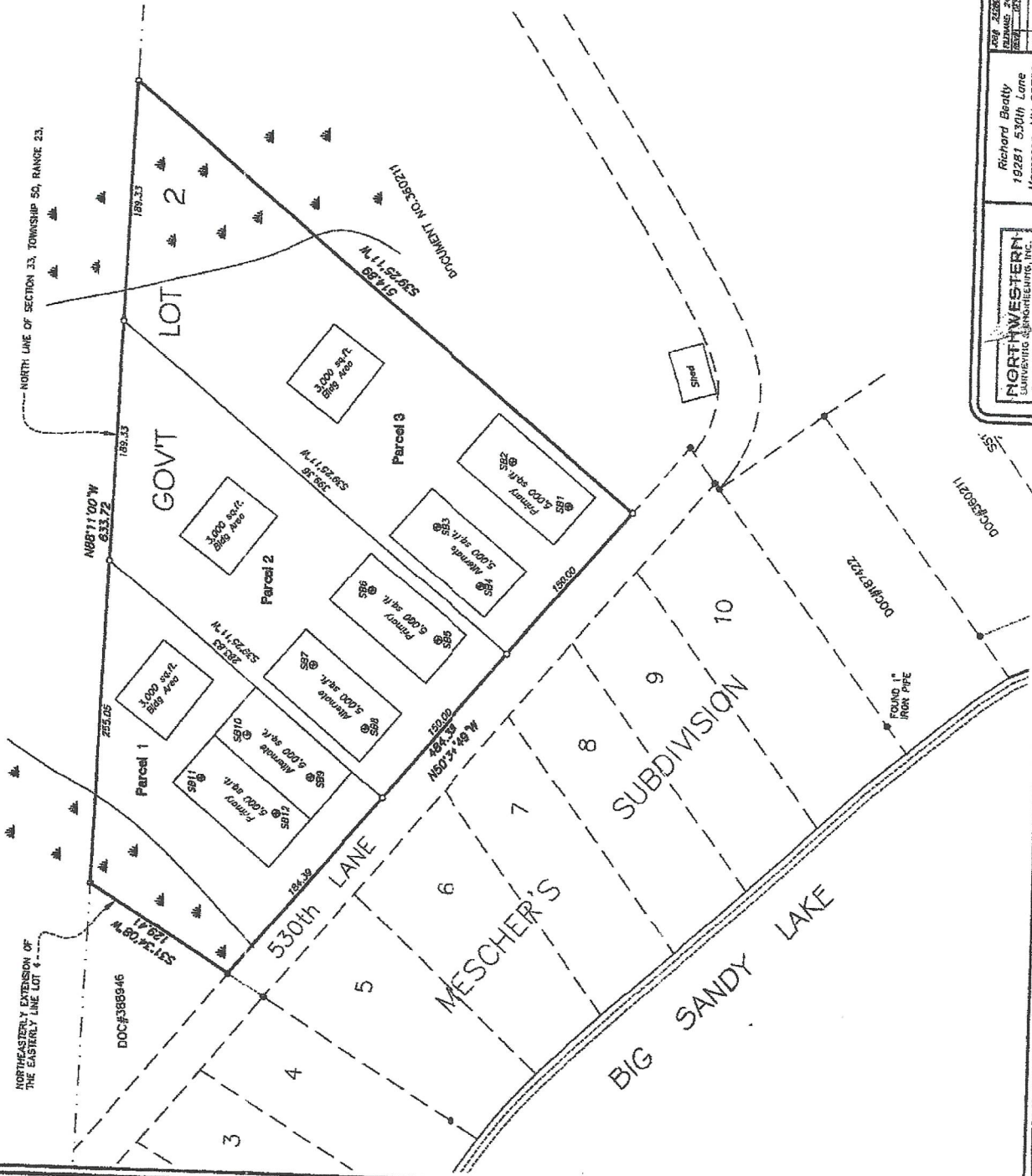
Designer Signature: Bob Ball

Date: 4-30-24

License Number: 2038

**CERTIFICATE OF SURVEY**  
 SECTION 33, TOWNSHIP 50 NORTH, RANGE 23 WEST  
 AITKIN COUNTY, MINNESOTA

32-0-54100



- BEARINGS ARE BASED ON NAD83(98)  
 AITKIN COUNTY COORDINATE SYSTEM
- IRON MONUMENT FOUND
  - IRON MONUMENT SET WITH CAP NO. 52951
  - ▲ LOW AREA
  - ⊙ SOIL BORING

Richard Bentley  
 19281 530th Lane  
 McGregor, MN 55760

**NORTHWESTERN SURVEYING & ENGINEERING, INC.**  
 1000 Park Drive, Suite 100, St. Cloud, MN 56301  
 Phone: (800) 328-7272

DATE	10/1/2024
BY	Richard Bentley
CHECKED BY	Richard Bentley
PROJECT NO.	32-0-54100
PROJECT	32-0-54100
DATE	10/1/2024

MINNESOTA, A. STATE REG. NO. 55770

# Site Suitability Form

Property Owner: Dick Kathy Beatty Date: 5-17-24  
 Mailing Address: 1928 1530<sup>th</sup> Lane  
 City: McGregor State: Missouri Zip: 64760  
 Home Phone Number: \_\_\_\_\_ Cell: 615-724-4697  
 Site Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Legal Description: Gen. Lot 2 Township Name: Turner  
 Sec. 33 Twp: 50 Range: 23  
 Parcel Number: 32-0-54107  
 Lake/River: Sandy Lake/River Classification: GD

Site 4

### 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>12"</u>	SB2 <u>13"</u>	SB1 <u>13"</u>	SB2 <u>13"</u>
Slope % and Direction	<u>1 1/2 No. The-ly</u>		<u>Same</u>	
Soil Texture	<u>Sd</u>		<u>Sand</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>gentle</u>		<u>gentle</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	2.20	0.24

Print Designer Name and License Number: Bob Bartel 2088  
 Address: P.O. Box 602  
 City: Bronard State: Missouri Zip: 64701  
 Home Phone Number: \_\_\_\_\_ Cell: 218-331-6430  
 E-Mail Address: BTservices56401@gmail.com  
 Designer Signature: Bob Bartel Date: 5-17-24  
 Comments/ Driving Directions: \_\_\_\_\_

32-0-54102

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Dick & Kathy Beatty

Date: 5-17-24

\*Record depths of all horizons.

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

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

#4

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10YR 3/3
1"	s-d	10YR 4/4
12"		

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10YR 3/3
1"	s-d	10YR 4/4
12"		

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10YR 3/3
1"	s-d	10YR 4/4
13"		

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10YR 3/3
13"	s-d	10YR 4/4

Legal Description: Gas lot 2

Parcel Number: 32-0-54102

Designer Signature: Bob Bartel

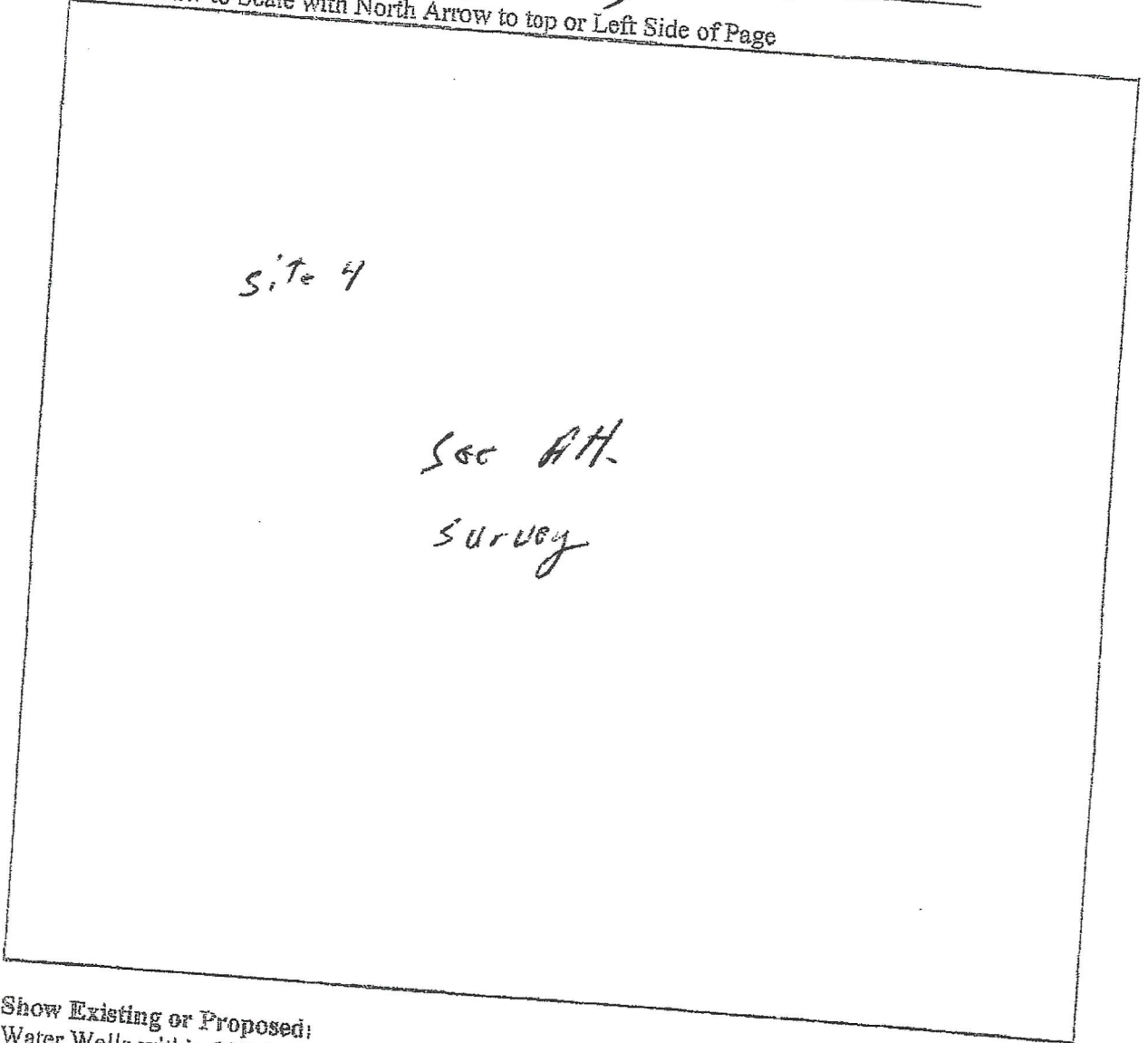
Date: 5-17-24

32-0-54102

Property Owner: Dick: Kathy Beatty Site Sketch for Site Suitability

Date: 5-17-24

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: Gen. Lot 2

Parcel Number: 32-0-54102

Designer Signature: Rob Ball

License Number: 2088

Date: 5-17-24

