

#2

Crow Wing County Environmental Services
Site Suitability Form
Article 3.2.F

Property Owner: KEN FIBBOKEL Date: 4-2-23
Mailing Address: 36599. DOVE ST
City Aitkin State: MN Zip 54431
Home Phone Number: _____ Cell: 763-302-9567
Site Address: SAME
City _____ State: _____ Zip _____
Legal Description: _____
Sec. 3 Twp: 46 Range: 26 Township Name: NORTLAND
Parcel Number: 24-0-004706
Lake/ River: WLADIMIRAK LAKE Lake/River Classification: RD

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>61"</u>	SB2 <u>42</u>	SB1 <u>30"</u>	SB2 <u>24"</u>
Slope % and Direction	<u>Flat</u>		<u>Slope 2% to 10% N to S</u>	
Soil Texture	<u>SAND</u>		<u>SANDY LOAM</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27-1.67</u>	
Landscape Position	<u>Top of Slope-Flat</u>			
Vegetation Types	<u>Birch, oak, brush</u>		<u>birch, poplar, brush</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: TOM ANTONSEN
Address 17633 STATE HWY 6
City DEERWOOD State: MN Zip 56444
Home Phone Number: 218-534-3355 Cell: 218-851-7757
E-Mail Address: ANTONSEN EPC @ GMAIL.COM
Designer Signature: Tom Antonson Date: 4-2-23
Comments/ Driving Directions: _____

**Crow Wing County Environmental Services
Site Suitability Soil Boring Logs for Proposed Septic System Sites**

Property Owner: KEON TIBBETL

Date: 4-2-23

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

#1 Proposed Site

Depth in Inches	Texture	Munsell Color
4"	Top Soil	10YR 2/2
4-14"	Sandy loam	10YR 4/4
14-47"	Sand	10YR 5/4
47-60"	Silt loam	10YR 4/4
mottled at 61"		

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
7"	Top Soil	10YR 2/2
7-16"	Silt loam	10YR 4/4
16-24"	Sand	10YR 5/4
24"-42"	Silt loam	10YR 4/4
mottled past 42"		

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Top Soil	10YR 2/2
5-24"	Sand	10YR 5/4
24-30"	Silt loam	10YR 4/4
mottled at 31"		

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
4"	Top Soil	10YR 2/2
4-23"	Sandy loam	10YR 5/4
mottled at 24"		

Legal Description: SEC 3 Twp 516 R9 26

Parcel Number: 24-0-004700

Designer Signature: Tom Antonsen

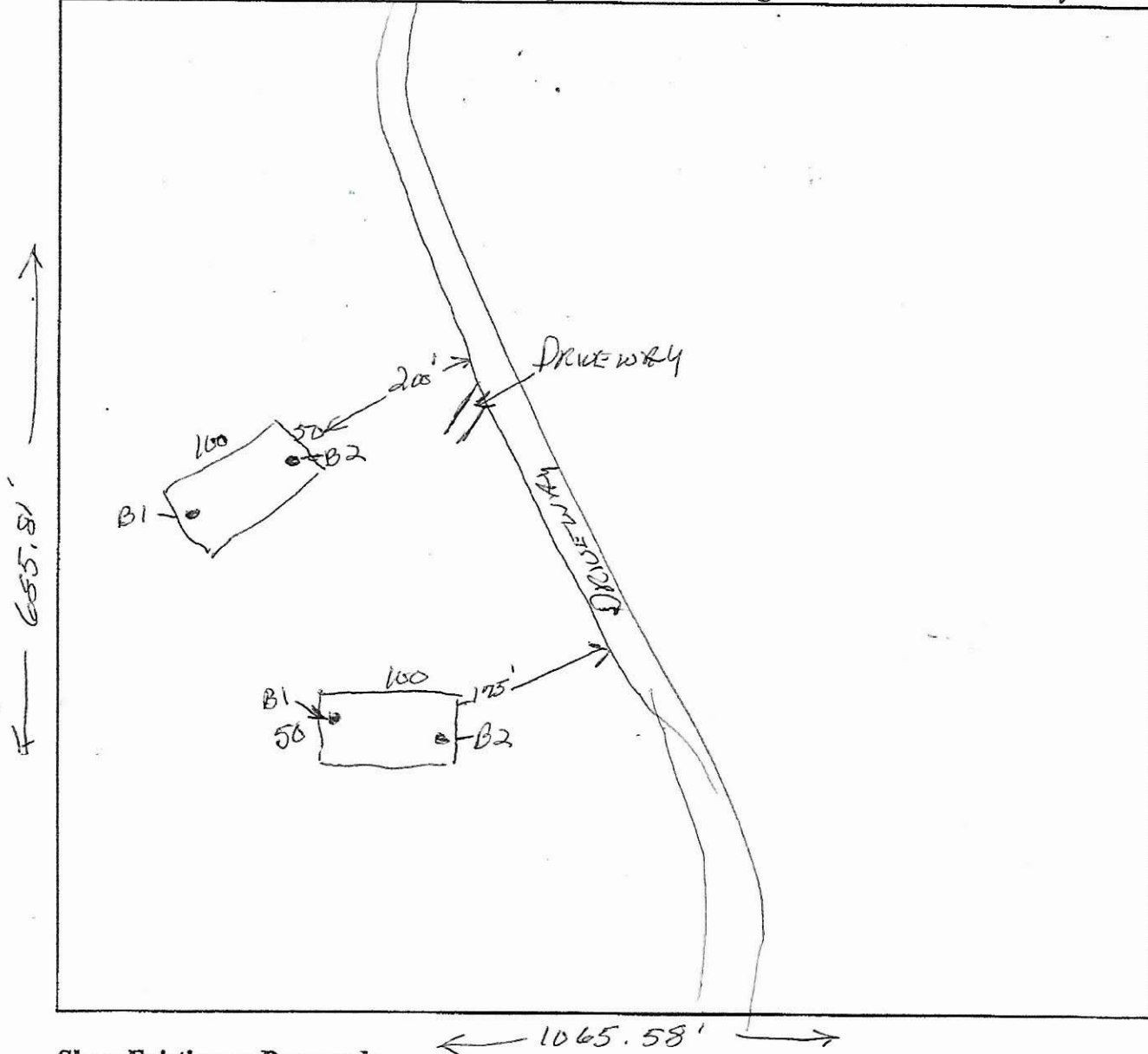
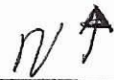
Date: 4-2-23

Crow Wing County Land Services

Site Sketch for Site Suitability

Property Owner: Ken Tibbels Date: 4-2-23

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: SEL 3 Twp 46 Rgt 26

Parcel Number: 24-0-004700

Designer Signature: Tom Johnson Date: 4-2-23

License Number: _____

Aitkin
~~Clearing~~ County Environmental Services
 Site Suitability Form
 Article 3.2.F

Property Owner: KEN FIBBOL Date: 4-2-23
 Mailing Address: 36599 DAVE ST
 City Aitkin State: MN Zip 56431
 Home Phone Number: _____ Cell: 763-302-9567
 Site Address: SAME
 City _____ State: _____ Zip _____
 Legal Description: _____
 Sec. 3 Twp: 46 Range: 26 Township Name: Nordland
 Parcel Number: _____
 Lake/ River: WALMİKAT LAKE Lake/River Classification: RD

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>16"</u>	SB1 <u>24"</u>	SB2 <u>33"</u>
Slope % and Direction	<u>VARIABLE</u>		<u>2% N to S</u>	
Soil Texture	<u>SILT LOAM</u>		<u>SAND LOAM</u>	
Soil Sizing Factor	<u>2.0 to 2.2</u>		<u>1-67</u>	
Landscape Position	<u>FLAT ground</u>		<u>Slope 2% N to S</u>	
Vegetation Types	<u>Poplar, PINE, OAK</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
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Print Designer Name and License Number: Tom Antonsen Lic 1054
 Address 17633 STATE Hwy 6
 City DEERWOOD State: MN Zip 56444
 Home Phone Number: 218-534-3355 Cell: 218-851-7757
 E-Mail Address: ANTONSEN ETC @ G MAIL . COM
 Designer Signature: Tom Antonsen Date: 4-2-23
 Comments/ Driving Directions: _____

~~Crow Wing~~ Aitkin County Environmental Services
 Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: KEN STIBBOL

Date: April 2 - 2023

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

Boring #1 Proposed Site

Depth in Inches	Texture	Munsell Color
10"	topsoil	10YR 2/2
10-14"	Silt Loam	10YR 4/3
14-23"	clay	10YR 3/4

Boring #2 Proposed Site

Depth in Inches	Texture	Munsell Color
8"	topsoil	10YR 2/2
8-16"	Silt Loam	10YR 4/4
16-24"	clay	10YR 3/4

Boring #1 Alternate Site

Depth in Inches	Texture	Munsell Color
7"	topsoil	10YR 2/2
7-13"	Silt loam	10YR 4/4
13-24"	Sand loam	10YR 4/4
24-36"	mottled	

Boring #2 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	topsoil	10YR 2/2
5-13"	Sand loam	10YR 4/4
13-33"	Sand loam	10YR 4/4
mottled at 33"		

Legal Description: SR 3, Twp 46 Range 26

Parcel Number: 24-0-004402

Designer Signature: Tom Antonson

Date: 4-2-23

Crow Wing County Land Services

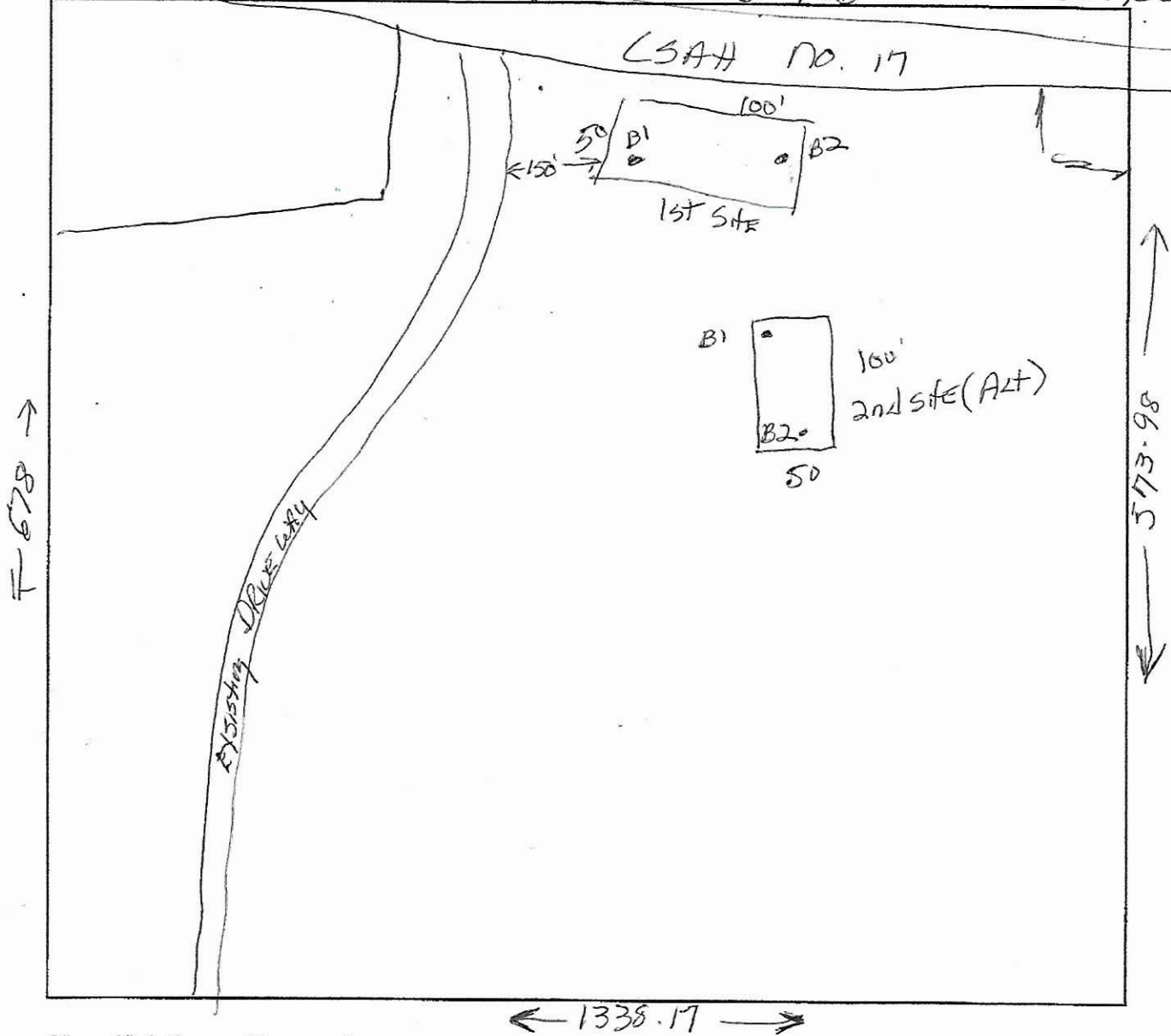
Site Sketch for Site Suitability

Property Owner: KEN FIBBERGEL

Date: 4-2-23



Please Draw to Scale with North Arrow to top or Left Side of Page PID # 24-0-004402



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: SEC 3 Twp 46 Rng 26

Parcel Number: 24-0-004402

Designer Signature: Tom Gustafson

Date: 4-2-23

License Number: 1054