

**Site Suitability Form
Article 3.2**

Property Owner: Boyer-Ludzker Harold Date: 12-28-22
 Mailing Address: 016255 Malvin
 City Livonia State: Mi Zip 48152
 Home Phone Number: _____ Cell: _____
 Site Address: _____
 City _____ State: _____ Zip _____
 Legal Description: lot 8 SW of SE
 Sec. 18 Twp: 49 Range: 23 Township Name: Shamrock
 Parcel Number: 29-0-039700
 Lake/ River: Big Sand Lake/River Classification: 60

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>15"</u>	SB2 <u>16"</u>
Slope % and Direction	<u>0</u>		<u>0</u>	
Soil Texture	<u>Sandy loam</u>		<u>Sand loam</u>	
Soil Sizing Factor	<u>1.27</u>		<u>1.27</u>	
Landscape Position	<u>Flat</u>		<u>Flat</u>	
Vegetation Types	<u>Oaks Aspen</u>		<u>maples</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 Brainard State: Misso Zip 56401
 Home Phone Number: _____ Cell: 218-831-6430
 E-Mail: B.Tservices56401@gmail.com

Disclaimer: I, Bob Bartel, Designer do hereby certify that all proposed lots have a minimum of two soil treatment areas that can support a standard system.

Date: 12-28-22

Site Suitability Soil Boring Logs for Proposed Septic System Sites

Property Owner: Boyce-Ledzker Model Date: 12-28-22

- *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
5"	Topsoil	10R3/3
1"	Subsoil	10R4/4
14"	2"	10R4/4

#2 Proposed Site

Depth in Inches	Texture	Munsell Color
4"	Topsoil	10R3/3
1"	Subsoil	10R4/4
16"	Sandy Loam	10R4/4

No Frost

#1 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R3/3
1"	Subsoil	10R4/4
15"	Sandy Loam	10R4/4

#2 Alternate Site

Depth in Inches	Texture	Munsell Color
5"	Topsoil	10R3/3
1"	Subsoil	10R4/4
16"	Sandy Loam	10R4/4

Legal Description: Lot 8 SW of SE

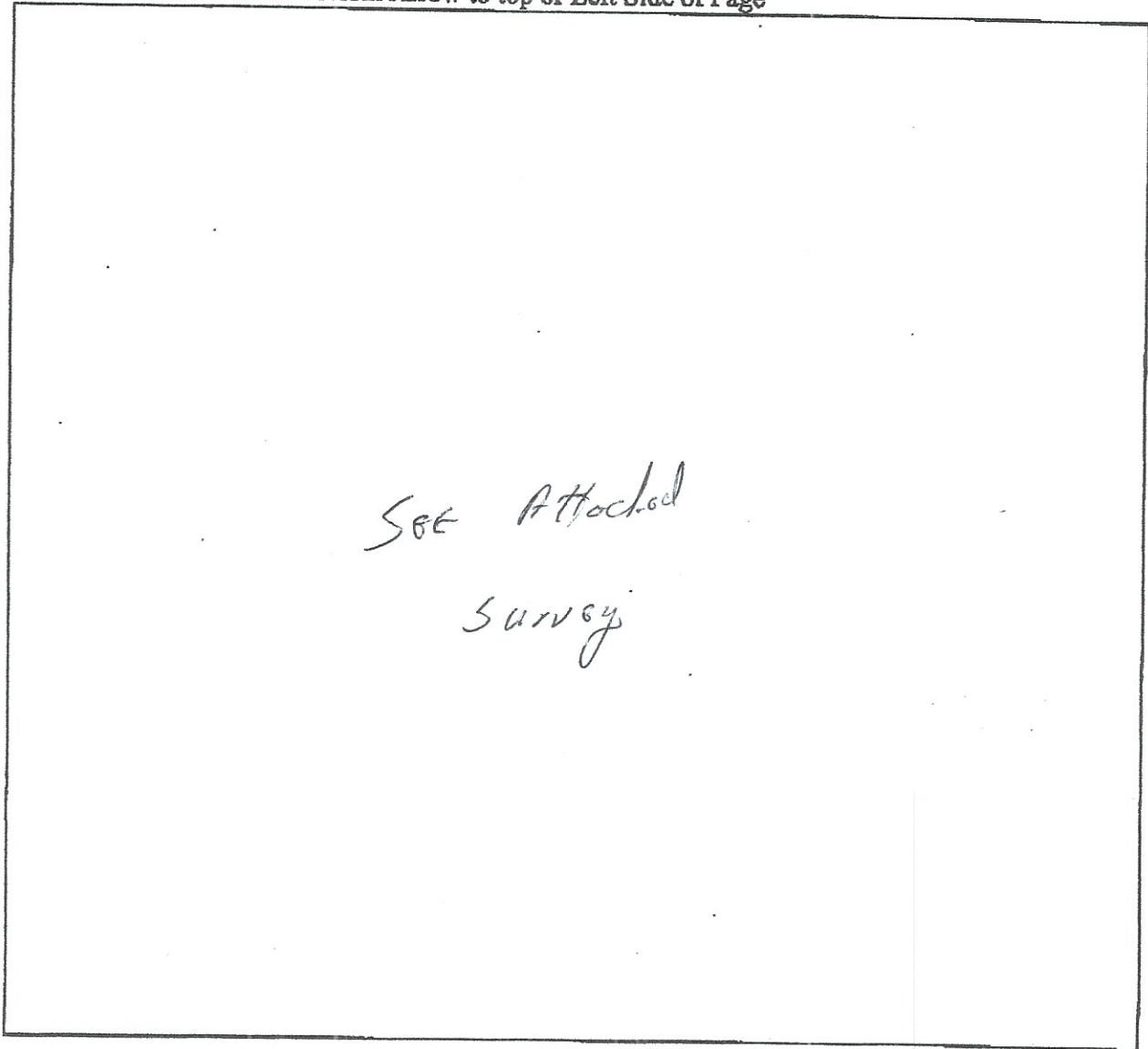
Parcel Number: 29-0-039100

Designer Signature: Bob Bull Date: 12-23-22

Site Sketch for Site Suitability

Property Owner: Boyas Ludster Harold Date: 12-28-22

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: Lot 8 Sw of SE

Parcel Number: 29-0-039100

Designer Signature: Bob Boyd Date: 12-28-22

License Number: 2088

CERTIFICATE OF SURVEY

SECTION 17 AND 18, TOWNSHIP 49 NORTH, RANGE 23 WEST AITKIN COUNTY, MINNESOTA

PROPOSED DESCRIPTIONS:

Parcel "A" TO BE DEEDED TO NUBA LEE (NORTH)

The North 430.00 feet of the West 600.00 feet of Government Lot 8 and the North 430.00 feet of the SW 1/4 of the SW 1/4 of the SE 1/4 of State Trunk Highway No. 65, all in Section 18, Township 49 North, Range 23 West, Aitkin County, Minnesota.

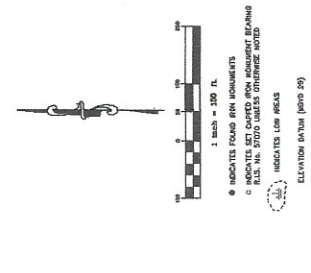
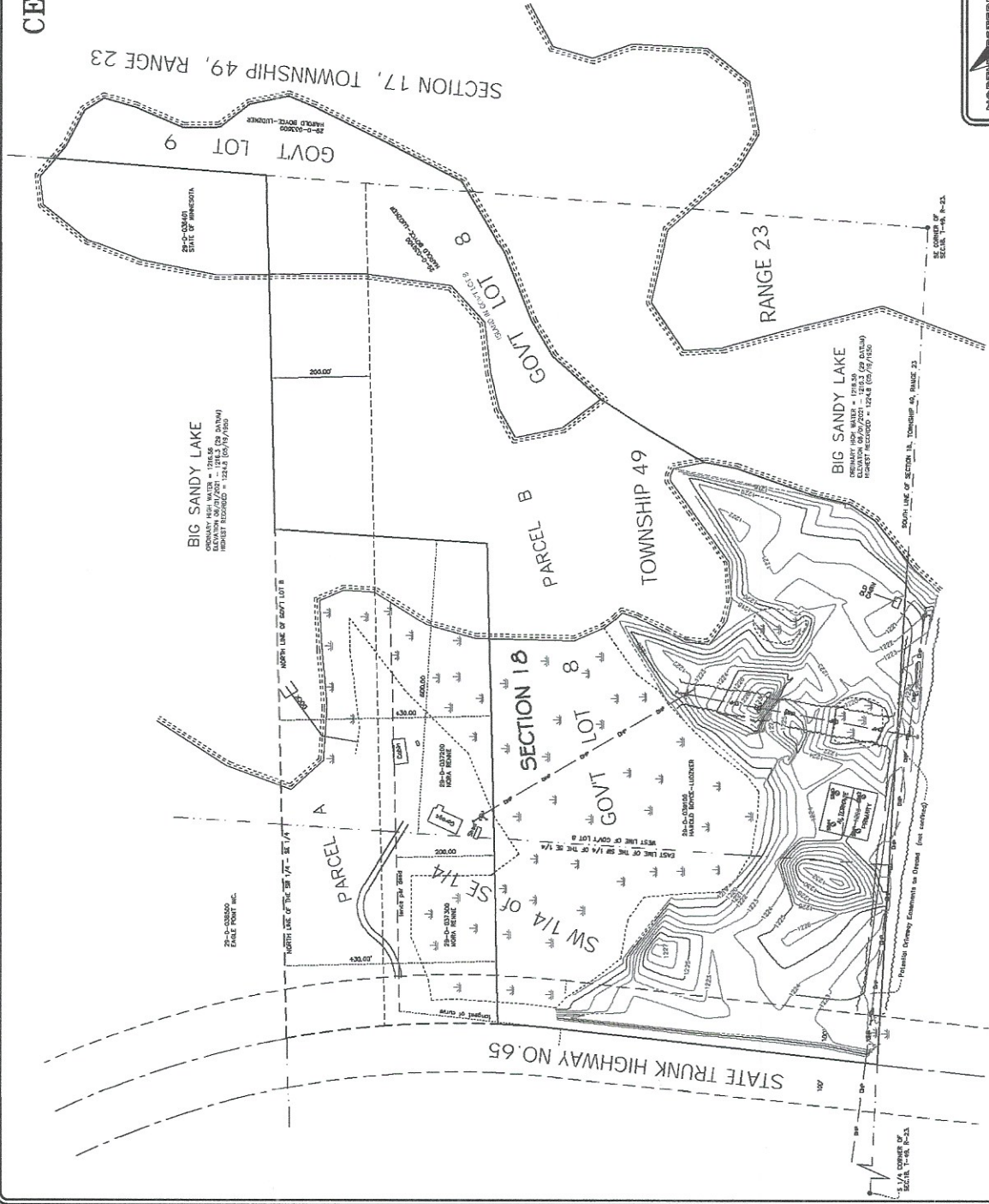
Subject to easements of record.

Parcel "B" TO BE DEEDED TO HAROLD BOYCE (SOUTH)

All of Government Lot 8 and the SW 1/4 of the SE 1/4 lying Parcel "A" of State Trunk Highway No. 65, all in Section 18, Township 49 North, Range 23 West, Aitkin County, Minnesota. The North 430.00 feet of the West 600.00 feet of Government Lot 8 and the North 430.00 feet of the SW 1/4 of the SE 1/4 lying Parcel "B" of State Trunk Highway No. 65, all in Section 18, Township 49 North, Range 23 West, Aitkin County, Minnesota.

Subject to easements of record.

Subject to the rights of the public in State Trunk Highway No. 65.



1 inch = 100 ft.
 ○ INDICATES FOUND BURN MONUMENTS
 ⊗ INDICATES SET CORNER FROM MONUMENT BEARING
 U.S. N. 207° 00' 00" EAST 100.00 FEET NORTH
 ○ INDICATES LOW MEAS.
 ELEVATION DATA (page 29)
 100.00
 98.00
 96.00
 94.00
 92.00
 90.00
 88.00
 86.00
 84.00
 82.00
 80.00
 78.00
 76.00
 74.00
 72.00
 70.00
 68.00
 66.00
 64.00
 62.00
 60.00
 58.00
 56.00
 54.00
 52.00
 50.00
 48.00
 46.00
 44.00
 42.00
 40.00
 38.00
 36.00
 34.00
 32.00
 30.00
 28.00
 26.00
 24.00
 22.00
 20.00
 18.00
 16.00
 14.00
 12.00
 10.00
 8.00
 6.00
 4.00
 2.00
 0.00
 NEGATIVE VALUES SHOWN
 PRIMARY OR ALTERNATE SIGHT SITES

MINNESOTA
 STATE OF MINNESOTA
 DEPARTMENT OF COMMERCE
 DIVISION OF LAND AND WATER

William Cook
 Surveyor
 AITKIN COUNTY, MN

SECTION 17 AND 18, TOWNSHIP 49 NORTH, RANGE 23 WEST, AITKIN COUNTY, MINNESOTA
 2024-000000
 DATE: 08/19/2024