

Crow Wing County Environmental Services

Site Suitability Form

Article 3.2.F

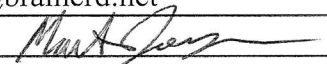
Property Owner Adam Date Oct. 24, 2013
Mailing Address: _____
 City/State/Zip: _____
 Home Phone Number: _____ Cell: _____
Site Address: TBD
 City/State/Zip: _____
 Legal Description: PROPOSED TRACT C
 Sec. 2 Twp: 137 Range: 28 Township Name: Ideal
 Parcel Number: 681-940-001-070-009 and 681-940-010-080-009
 Lake/ River: _____ Lake/River Classification: _____

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>24"</u>	SB2	SB1	<u>24"</u>	SB2		
Slope % and Direction	<u>1 to 2%</u>			<u>1 to 2%</u>				
Soil Texture	<u>West</u>			<u>West</u>				
Soil Sizing Factor	<u>.83/1.27</u>			<u>.83/1.27</u>				
Landscape Position	<u>Slight Side Slope</u>			<u>Slight Side Slope</u>				
Vegetation Types	<u>Pines</u>			<u>Pines</u>				

Soil Sizing Factors/Hydraulic Loading Rates

Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	GPD/Sq.Ft.
<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	2.0	0.50
0.1 to 5	Fine Sand	1.67	0.60	46 to 60	Clay Loam	2.2	0.45
6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	****	0.24

Print Designer Name and License Number: Martin Joyce 2129
 Address: 27604 County Road 3
 City/State/Zip: Merrifield, MN 56465
 Home Phone Number: _____ Cell: 218-820-2621
 E-Mail Address: joycem@brainerd.net
 Designer Signature:  Date: 10/26/13
 Comments/ Driving Directions: * Tract C is a new proposed lot from the two Parcel Numbers.

Crow Wing County Environmental Services

Site Suitability Soil Boaring Logs for Proposed Septic System Sites

Property Owner: Adam Date: Oct. 24, 2013

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

1 (PROPOSED) SOILS DATA/PROPOSED TRACT C

DEPTH	TEXTURE	
(INCHES)		COLOR
0 - 4"	Topsoil	10YR 3/3
4" - 14"	Loamy Sand	10YR 4/4
14" - 24"	Sand	10YR 5/4

2 (PROPOSED) SOILS DATA

DEPTH	TEXTURE	MUNSELL
(INCHES)		COLOR

1 (ALTERNATE) SOILS DATA

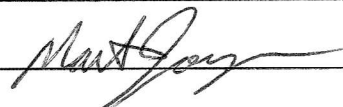
DEPTH	TEXTURE	MUNSELL
(INCHES)		COLOR
0 - 4"	Topsoil	10YR 3/3
4" - 12"	Loamy Sand	10YR 4/4
12" - 24"	Sand	10YR 5/4

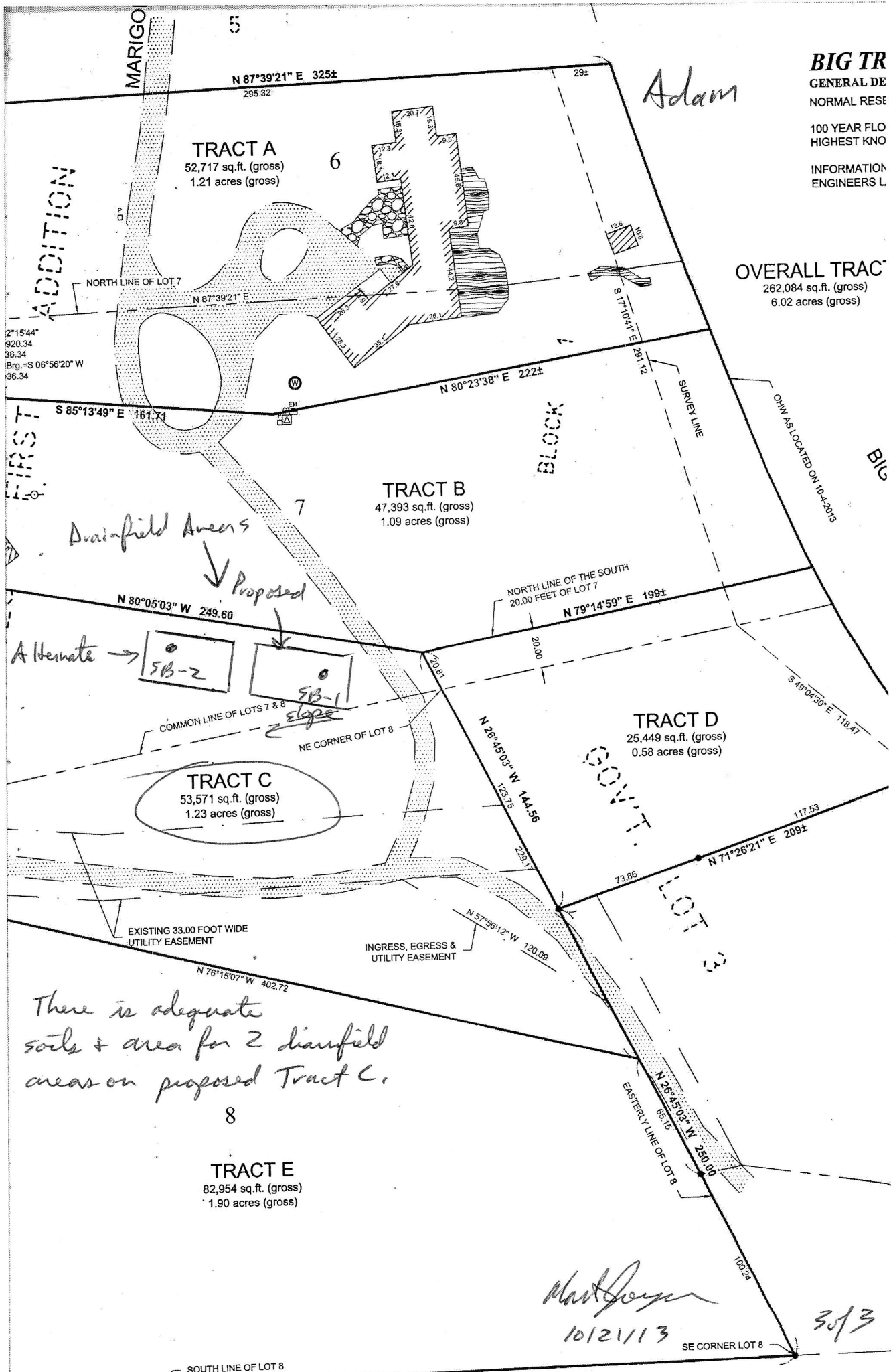
2 (ALTERNATE) SOILS DATA

DEPTH	TEXTURE	MUNSELL
(INCHES)		COLOR

Legal Description: PROPOSED TRACT C

Parcel Number: 681-940-001-070-009 and 681-940-010-080-009

Designer Signature:  Date: 10/26/13



BIG TR
GENERAL DE
NORMAL RESE
100 YEAR FLO
HIGHEST KNO
INFORMATION
ENGINEERS L

OVERALL TRAC
262,084 sq. ft. (gross)
6.02 acres (gross)

2°15'44"
820.34
36.34
Brg. = S 06°56'20" W
36.34

FIRST

Drainfield Areas
↓ Proposed

Alternate →

5B-2

5B-1

COMMON LINE OF LOTS 7 & 8

NE CORNER OF LOT 8

TRACT C
53,571 sq. ft. (gross)
1.23 acres (gross)

EXISTING 33.00 FOOT WIDE
UTILITY EASEMENT

INGRESS, EGRESS &
UTILITY EASEMENT

There is adequate
soils + area for 2 drainfield
areas on proposed Tract C.

8

TRACT E
82,954 sq. ft. (gross)
1.90 acres (gross)

Mark J. ...

10/21/13

35/3

SOUTH LINE OF LOT 8

SE CORNER LOT 8