

Preliminary & Field Evaluation Form

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Owner Information			
Date	<u>7/2/2020</u>	Sec / Twp / Rng	<u>S-25,T-47, R-27</u>
Parcel ID	<u>01-0-056000</u>	LUG (county, city, township)	<u>Aitkin Co.</u>
Property Owner:	<u>William Monse</u>	Owners address (if different)	
Property Address:	<u>544 th Ave SE Aitkin MN 56431</u>		<u>29249 CR 11</u>
City / State / Zip:			<u>Aitkin MN 56431</u>

Flow Information and Waste Type / Strength			
Estimated Design flow	<u> </u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength <input type="checkbox"/> Domestic
Comments: Site Evaluations for lot 9 Aitkin Co Requires 2 sites Approx. 50' x 100' On Contour of slope		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V) <input type="checkbox"/> No
		Sewage ejector/grinder pump	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Water softener	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes <input type="checkbox"/> No

Site Information					
Existing & proposed lot improvements located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Well casing depth	None Present	
Easements on lot located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Drainfield w/in 100' of residential well	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Property lines determined (see site map) Surveyed By Others	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Access for system maintenance (shown on site map)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Soil treatment area protected	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site map prepared with previous items included	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Construction related issues	<u>Site Evaluations for each lot. Both Sites are for future septic sites</u>				

Soil Information

			Evidence of site:
Original soils	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cut <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Filled <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Compacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Disturbed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soil logs completed and attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Perk test completed and attached (if applicable) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soil loading rate (gpd/ft ²)	_____		Percolation rate (if applicable) _____
Depth/elev to SHWT	<u>13"</u>		Flooding or run-on potential <input type="checkbox"/> Yes <input type="checkbox"/> No (comments)
Depth to system bottom maximum (or elev minimum)	_____		Flood elevation (if applicable) _____
Depth/elev to standing water (if applicable)	_____		Elevation of ordinary high water level (if applicable) _____
Depth/elev to bedrock (if applicable)	_____		Floodplain designation and elev - 100 yr/10 yr (if applicable) _____
Soil Survey information determined (see attachment)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Differences between soil survey and field evaluation (if applicable)	_____		

I hereby certify this evaluation was completed in accordance with MN 7080 and any local req's.


 Designer Signature

Brummer Septic LLC.
 Company

L-1347
 License #

Soil Observation Log

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Owner Information	
Property Owner / project: <u>William Monse</u>	Date: <u>7/2/2020</u>
Property Address / PID: <u>544 th Ave SE Aitkin MN 56431</u>	

Soil Survey Information	
<input type="checkbox"/> refer to attached soil survey	
Parent mat'l's:	<input checked="" type="checkbox"/> Till <input type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Alluvium <input type="checkbox"/> Organic <input type="checkbox"/> Bedrock
landscape position:	<input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input checked="" type="checkbox"/> Side slope <input type="checkbox"/> Toe slope
soil survey map units:	<u>504B</u> slope _____ % direction- _____

Soil Pit #901A Slope 6% NE							
Depth (in)	Texture	<input type="checkbox"/> Boring fragment %	<input checked="" type="checkbox"/> Pit matrix color	Elevation _____	Depth to SHWT _____	consistence	shape
					13"	grade	
0 - 5	Topsoil Loam	<35	10YR3/2			Loose	Loose Blocky
5 - 13	Silt Loam	<35	10YR5/3 & 10YR4/4 (E & B Horizon Blending)			Friable	Weak Blocky
13 - 17	Clay Loam	<35	10YR4/4			Friable	Moderate Blocky
		<35					

Comments:

544 th Ave SE Aitkin MN 56431

Soil Pit #902A 6% slope NE

		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation _____	Depth to SHWT <u>13"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Blocky
5 - 13	Silt Loam	<35	10YR5/3 & 10YR4/4 (E & B Horizon Blending)		Friable	Weak	Blocky
13 - 17	Clay Loam	<35	10YR4/4		Friable	Moderate	Blocky
		<35					

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Soil Pit #903B 6% slope SW

		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation _____	Depth to SHWT <u>13"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Blocky
5 - 13	Silt Loam	<35	10YR5/3 & 10YR4/4 (E & B Horizon Blending)		Friable	Weak	Blocky
13 - 17	Clay Loam	<35	10YR4/4		Friable	Moderate	Blocky
		<35					
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

I hereby certify this work was completed in accordance with MN 7080 and any local req's.


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Soil Pit #904B 6% slope SW

		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation _____	Depth to SHWT <u>13"</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 5	Topsoil Loam	<35	10YR3/2		Loose	Loose	Blocky
5 - 13	Silt Loam	<35	10YR5/3 & 10YR4/4 (E & B Horizon Blending)		Friable	Weak	Blocky
13 - 17	Clay Loam	<35	10YR4/4		Friable	Moderate	Blocky
		<35					
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

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Soil Log #5

		<input type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation _____	Depth to SHWT _____		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

I hereby certify this work was completed in accordance with MN 7080 and any local req's.

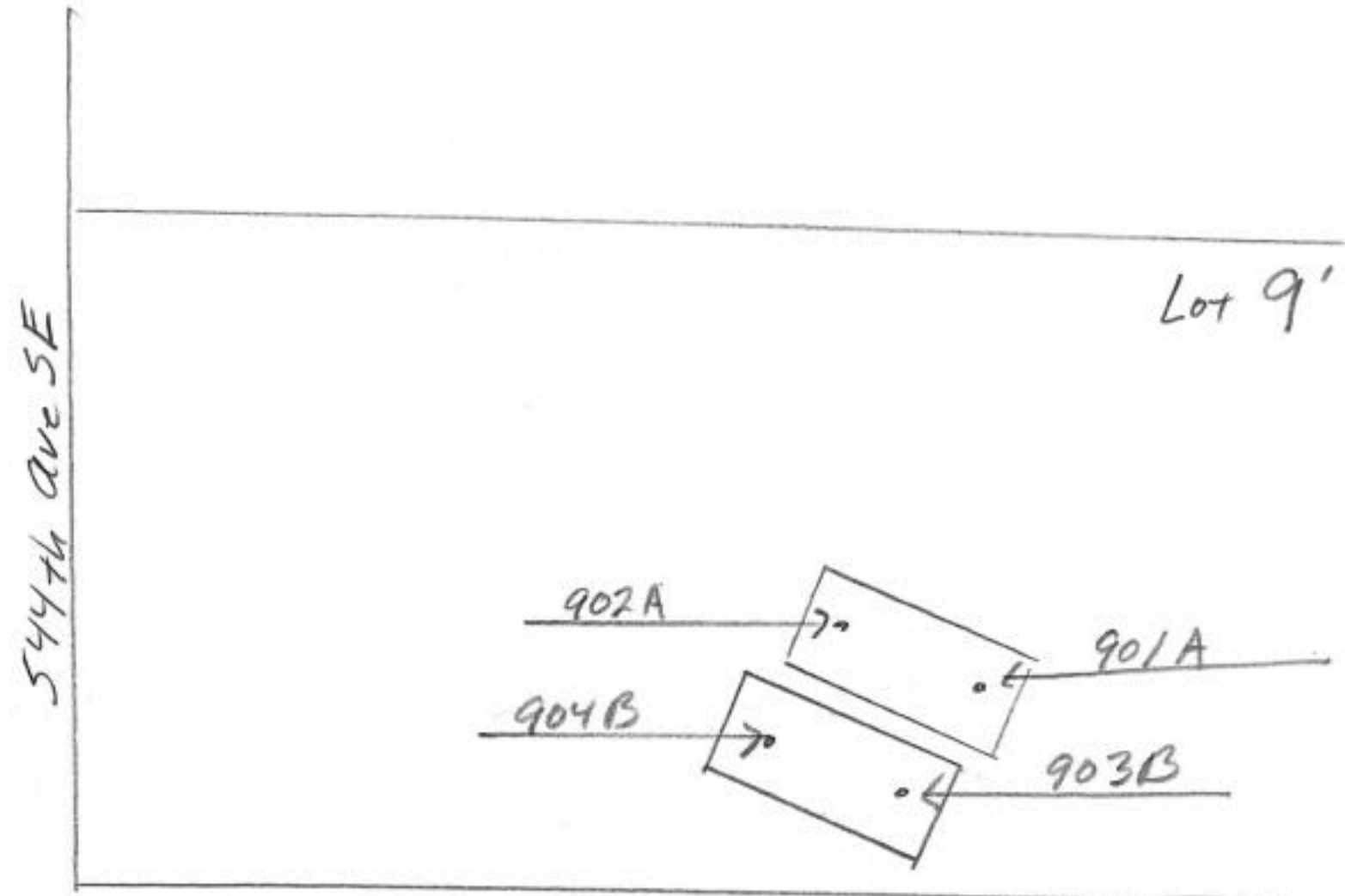
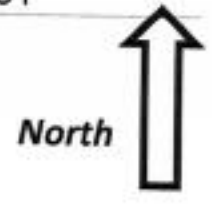

 Designer Signature

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{ Design Drawing }

Property Owner: William Monse Date: 7/2/20 Designer's Initials: JB
 Parcel ID. Number: 01-0-056000 Address: 544 th Ave SE Aitkin MN 56431
 one Inch = 40ft.



901A	13" 6%
902A	13" 6%
903B	13" 6%
904B	13" 6%

General Information

Township/City:	AITKIN TWP		
Taxpayer Name:	MONSE, WILLIAM J & CYNTHIA		
Taxpayer Address:	29249 CR 11		
	AITKIN MN 56431		
Property Address:	544 6TH AVE SE		
Township:	47	Lake Number:	0
Range:	27	Lake Name:	
Section:	25	Acres:	39.94
Green Acres:	No	School District:	1.00
Plat:			
Brief Legal Description:	PART OF SE SW E OF ROAD & S1/2 SW SE		

Tax Information

Class Code 1:	Non-Homestead Qualifying Single Res Unit
Class Code 2:	Rural Vacant Land
Class Code 3:	Unclassified
Homestead:	Non Homestead
Assessment Year:	2020

Estimated Land Value:	\$69,200.00
Estimated Building Value:	\$61,300.00
Estimated Total Value:	\$130,500.00
Prior Year Total Taxable Value:	\$136,700.00
Current Year Net Tax (Specials Not Included):	\$1,020.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$0.00
Delinquent Taxes:	No

*** For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.**

**** Balance Due on a parcel does not include late payment penalties.**

Soil Map—Aitkin County, Minnesota
(Monse)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Aitkin County, Minnesota

504B—Duluth fine sandy loam, 1 to 6 percent slopes

Map Unit Setting

National map unit symbol: gjh7
Elevation: 980 to 1,640 feet
Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 120 to 140 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Duluth and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Duluth

Setting

Landform: Moraines
Landform position (two-dimensional): Backslope, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy till

Typical profile

A - 0 to 3 inches: fine sandy loam
E, Bw, 2BE, 2Bt - 3 to 41 inches: clay loam
2C - 41 to 60 inches: loam

Properties and qualities

Slope: 1 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: About 13 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C/D
Forage suitability group: Sloping Upland, Acid (G090AN006MN)
Hydric soil rating: No

Minor Components

Mahtowa and similar soils

Percent of map unit: 3 percent

Landform: Depressions

Hydric soil rating: Yes

Blackhoof and similar soils

Percent of map unit: 3 percent

Landform: Depressions

Hydric soil rating: Yes

Rifle and similar soils

Percent of map unit: 3 percent

Landform: Bogs

Hydric soil rating: Yes

Cromwell and similar soils

Percent of map unit: 2 percent

Hydric soil rating: No

Dusler and similar soils

Percent of map unit: 2 percent

Hydric soil rating: No

Cutaway and similar soils

Percent of map unit: 2 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aitkin County, Minnesota

Survey Area Data: Version 20, Sep 16, 2019