September 5, 2020

To: Potential buyer

Subject: Site Evaluation for 317-230-290 Trygg Road

Completed site evaluation on September 2, 2020 West Eagles Nest Shores plat Lot 29

Here is the summary report for the soils and assessment for two possible septic sites for this existing lot. There is area and soils to fit two septic sites on this lot – primary & alternate for a 300 Gallon per day septic.

The septic areas need to have adequate area that is relatively level (less than one foot drop) as it runs parallel to the slope of the land. The area also needs to have relatively consistent soil depth, at least 12 inches of good soil to support a septic system. Size of the system will vary on type of soil & depth to restricting layer which is ledge rock, clay, saturated soil or mottling.

Attached are the soil analysis worksheets for the two sites. From the soils I can estimate an area that would be needed for a septic. These estimates are for a standard mound system which would require the largest foot print. There are options for performance systems that would require a smaller footprint but require more maintenance.

Possible site 1: Boring holes 1 & 2

Approximate area for a 300 gallon per day septic for 2 br or class II 3 br overall dimension  $40 \, \text{ft} \times 98 \, \text{ft}$  Soils sandy loam slope 3

Boring hole 3 & 4 alternate site -

Approximate area for a 300 gallon septic mound overall 40 ft x 98 ft

Soils sandy loam slope 2

There is area down the hill for a septic system. This location is harder for an installer to access for installation. The area on the summit of the hill is quite rocky so a mound will be needed.

When it comes time for a septic design further analysis would need to be completed to determine actual size & location based on location of cabin and number of bedrooms etc. Please call if you have any further questions.

Sincerely:

Sheri Sawatzky

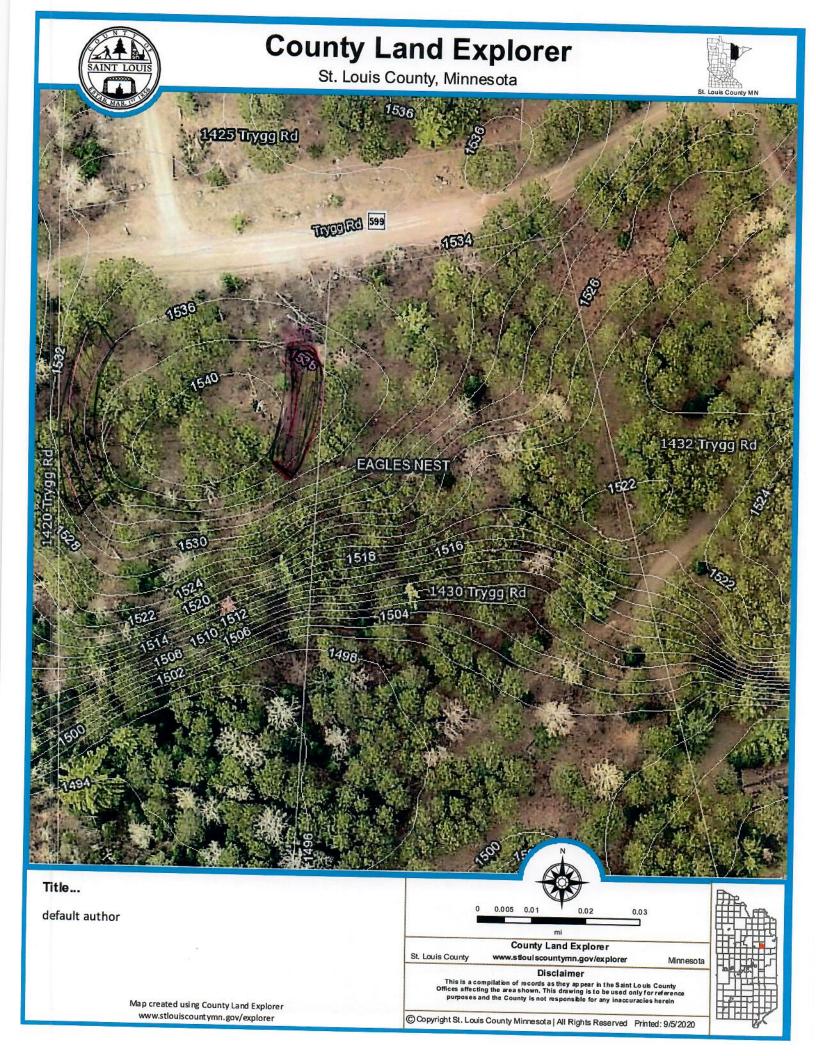
Advanced Designer, Inspector and Service Provider

License # 1659

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Cook, MN 55723

218-780-8178 sherisawatzky@gmail.com



## Soil Observation Log

		L						Project ID:	Project ID: 317-230-290 v 04.17.2018	v 04.17.2018	~
	Client:	,,	- 1	nollo,			Locatio	Location / Address:		Trvgg Road	Road
Soil parent	Soil parent material(s): (Check all that apply)	Check all	that apply)	ō	☐ Outwash ☐ Lacustrine	□ Loess	回	□ Alluvium	rium 🗆 Bedrock		□ Organic Matter
Landscape	Landscape Position: (check one)	ck one)	Summit 5	Shoulder	der 🔲 Back/Side Slope	pe   Foot Slope	Slope	☐ Toe Slope	Slope shape		Linear, Linear
Vegetation:	nor	norway pine	a.	Soil	Soil survey map units: F5B	F5B		Slope %:		Flevati	
Weather Co	Weather Conditions/Time of Day:	of Day:			5:10 sunny	, iny					1338
Observation	Observation #/Location:			S	Sb 1 & Sb 2		-	3	המוכ		07/70/60
Depth (in)	Texture	Rock					+	ODSK	observation Type:		Soil Pit
	a music	Frag. %	Matrix Color(s)	r(s)	Mottle Color(s)	Redox Kind(s)		Indicator(s)	Chang	Structure	
0-4	sandy loam	<35%	7.5YR 3/2						oliabe	Grade	Consistence
									Granular	Moderate	
4-14	sandy loam	<35%	7.5YR 3/4						Granular	Moderate	Friable
			7 5VP 414				1				
14-19	sandy loam	<35%							Granular	Moderate	Friable
		·									
0-3	sandy loam	<35%	7.5YR 3/2						Granular	Moderate	Friable
3-14 s	sandy loam	<35%	7.5YR 3/4				-				ri or or or
									Granular	Moderate	- Iable
14-17	sandy loam	<35%	7.5YR 4/4						Granular	Weak	Friable
Comments							$\parallel$				
ereby certify Sheri	ertify that I have co Sheri Sawatzky	mpleted	this work in acc	Sordan	I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.	ale ordinance	es, rules	s and laws.			
(Designe	(Designer/Inspector)			1	(Signature)	Sec.	+	ľ	1659		9/2/2020
					(a manifold)	7	1		(License #)		(Date)

## Additional Soil Observation Logs

Project ID: 290



Soli parent material (3): (Check all that apply)   Douboash   Location / Address:   Trygg Road   Trygg Road   Soli parent material (3): (Check all that apply)   Douboash   Location   Address:   Trygg Road   Trygg Road   Soli parent material (3): (Check cheek one)   Submit   Sindlet   Back/side Spoe   Tros Spoe   Signe Shape   Soli survey map units:   F   Slope   Tros Spoe   Signe Shape   Linear Linear   Linear	Third apply    Coutionships    Coation / Address    Coation / Address							rioject ID:	067	PROGRAM	分ろ
Linear	Position: (check one)   Sommit apply)   Outwash   Lacustrine   Laces   Till   Dilluyium   Bedrock   Copanic   Copa		Client	+	67	E	Locat	ion / Address:		Trygg Ro	
C Summit	Position: Check one   Solment   Shoulder   Back/Side Stope   Toe Stope   Stope shape   Soll survey map units:   F   Stope shape   Soll survey map units:   F   Stope shape   Soll survey map units:   F   Stope shape   Soll survey map units:   Stope shape   Stope shape shape   Stope shape   Stope shape   Stope shape   Stope shape   Stope	Soil parent	material(s): (0	Check all t		☐ Outwash ☐ Lacustrine	□ Loess				anic Matter
Single grain   F   Siope %: 2.0   Elevation:   F   Siope %: 2.0   Elevation:   Siol P	Forway pine   Solt survey map units:   Foreign   Stoke   Sto	Landscape	Position: (chec	ck one)				☐ Toe Slope	Slope shape		near, Linear
Sh 3 & Sb 4   Observation Type:   Soil P   Observation Type:   Shape   Grade   Friab   Official Color(s)   Shape   Grade   Friab   Observation Type:   Shape   Grade   Observation Type:	nonlitions/Time of Day:         Sp.3 ft. Sb 4         Eactor         Frage 3         Abartix Color(s)         Redox Kind(s)         Indicator(s)         Date:         Op/02/1           Texture         Rock Frag. % Procession         Abartix Color(s)         Mottle Color(s)         Redox Kind(s)         Indicator(s)         Shape Indicator Soil Procession         Soil Procession           sandy loam         <35%	Vegetation		rway pine	S	oil survey map units:		Slope %:		Elevation	
Redox Kind(s)   Indicator(s)   Redox Kind(s)   Indicator(s)   Shape   Crade   Crade	Texture         Rock Matrix Color(s) Redox Kind(s) Redox Kind(s) Mottle Color(s)         Redox Kind(s) Redox Kind(s	Weather Co	onditions/Time	of Day:		5:35 suni	, ny		Date:		
Texture         Rock Frag. % Frag. % and victor Color(s)         Mottle Color(s)         Redox Kind(s)         Indicator(s)         Frabe         Indicator Color(s)         Indicator (s)         Shape         Indicator Indicator (s)         Indicator (s) <td>Texture         Rock Frag. % Patrix Color(s)         Mottle Color(s)         Redox Kind(s)         Indicator(s)         Indicator(s)         Indicator(s)         Indicator(s)         Indicator Grade         Friab           sandy loam         &lt;35%</td> 7.5YR 4/3         7.5YR 4/3         Moderate         Friab           sandy loam         <35%	Texture         Rock Frag. % Patrix Color(s)         Mottle Color(s)         Redox Kind(s)         Indicator(s)         Indicator(s)         Indicator(s)         Indicator(s)         Indicator Grade         Friab           sandy loam         <35%	Observation	on #/Location;			Sb 3 & Sb 4		Obse	rvation Type:		Soil Pit
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sandy loam         <35%         7.5YR 4/4         Granular         Moderate           sandy loam         7.5YR 4/3         Granular         Moderate           sandy loam         7.5YR 4/4         Granular         Moderate           sandy loam         7.5YR 4/4         Single grain         Moderate	sandy loam         <35%         7.5YR 4/4         Granular         Moderate           sandy loam         7.5YR 4/3         Granular         Moderate           sandy loam         7.5YR 4/4         Granular         Moderate           sandy loam         7.5YR 4/4         Single grain         Moderate	4-12	sandy loam	<35%					Granular	Moderate	Friable
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Single grain Moderate	Single grain Moderate	-	sailuy toalii						Granular		
Single grain Moderate	Single grain Moderate	11-14	meol vibres		7.5YR 4/4						Friable
	Comments		salley todall						Single grain		