



*Certified Septic System Design
Home Inspections • Home Project Consulting*

August 9-2022

To: Frank & Marian Skaff

71684 Scotch Pine Rd.

Finlayson Mn 55735

From: E5 Home Services
Shawn Eckerman 320-372-2411

Shawn Eckerman
320-372-2411

Efive.home@gmail.com
70332 Rhine Lake Road
Finlayson, MN 55735

Subject: Soil Verifications for Land Parcel Split (PID# 34-0-039-301)

Address: 10808 Alder St., Finlayson Mn 55735

Please see attached Soil Observation Logs (4) and Sketch for your property split through Aitkin County. After my site visit today, I conclude that you have adequate soil conditions at 4 different soil sites to support a Type 1 SSTS.

Thank you,

A handwritten signature in black ink, appearing to read 'Shawn Eckerman', written in a cursive style.

Shawn Eckerman,

MPCA Lic.# 4219



Soil Observation Log

Project ID:

v 04.01.2020

Client: FRANK & MARIAN SKAFF TRUST		Location / Address: 10808 ALDER ST. FINLAYSON MN 55735							
Soil parent material(s): (Check all that apply) <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (select one) PLAINE		Slope shape: NA	Elevation-relative to benchmark: 100.0						
Vegetation: Lawn		Soil survey map units: 732B- BUSHVILLE LOAMY FINE SAND	Limiting Layer Elevation: 97.4						
Weather Conditions/Time of Day: FULL SUN, 83DEG		Date: 08/09/22							
BORE SITE #1									
Observation #/Location:		Observation Type: Auger							
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Shape	Grade	Consistence
0-6	Loamy Sand	<35%	5YR 3/2				Granular	Weak	Friable
6-14	Loamy Sand	<35%	5YR 4/2				Granular	Weak	Friable
14-31	Fine Sand	<35%	5YR 4/4				Single grain	Structureless	Loose
31	Loamy Sand	<35%	5YR 4/4	5YR 4/6	Concentrations	51	Granular	Weak	Friable
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
SHAWN ECKERMAN				4219		8/9/2022			
(Designer/Inspector)		(Signature)		(License #)		(Date)			
Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.									
(LGU Inspector)		(Signature)		(Cert. #)		(Date)			



Soil Observation Log

Project ID: _____ v 04.01.2020

Client: FRANK & MARIAN SKAFF TRUST		Location / Address: 10808 ALDER ST. FINLAYSON MN 55735							
Soil parent material(s): (Check all that apply) <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (select one) Lawn		Back/Side Slope 1.0	Slope shape: NA						
Vegetation: 732B- BUSHVILLE LOAMY FINE SAND		Elevation-relative to benchmark: 100.0							
Weather Conditions/Time of Day: FULL SUN, 83DEG		Soil survey map units: 5:40PM	Limiting Layer Elevation: 97.2						
Observation #/Location: _____		Date: 08/09/22							
BORE SITE #2		Observation Type: Auger							
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Shape	Grade	Consistence
0-12	Loamy Sand	<35%	5YR 3/2				Granular	Weak	Friable
12-26	Loamy Sand	<35%	5YR 4/4				Granular	Weak	Friable
26-34	Fine Sand	<35%	5YR 4/6				Single grain	Structureless	Loose
34	Loamy Sand	<35%	5YR 5/2	5YR 4/6	Concentrations, depletions	S1	Granular	Weak	Friable
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
SHAWN ECKERMAN		_____		4219		_____		8/9/2022	
(Designer/Inspector)		(Signature)		(License #)		(Date)		(Date)	
Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.									
_____		_____		_____		_____		_____	
(LGU Inspector)		(Signature)		(Cert. #)		(Date)		(Date)	



Soil Observation Log

Project ID: v 04.01.2020

Client: **FRANK & MARIAN SKAFF TRUST** Location / Address: **10808 ALDER ST. FINLAYSON MN 55735**

Soil parent material(s): (Check all that apply) Lacustrine Outwash Loess Till Alluvium Bedrock Organic Matter

Landscape Position: (select one) Back/Side Slope Slope %: **3.0** Slope shape: **NA** Elevation-relative to benchmark: **100.0**

Vegetation: **Ag. Land** Soil survey map units: **732B- BUSHVILLE LOAMY FINE SAND** Limiting Layer Elevation: **97.5**

Weather Conditions / Time of Day: **FULL SUN, 83DEG** Date: **08/09/22** Time: **5:55PM**

Observation #/Location: **BORE SITE #3** Observation Type: **Auger**

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Shape	Grade	Consistence
0-6	Loamy Sand	<35%	5YR 3/2				Granular	Weak	Friable
6-10	Loamy Sand	<35%	5YR 4/2				Granular	Weak	Friable
10-30	Loamy Sand	<35%	5YR 4/3				Granular	Weak	Friable
30	Loamy Sand	<35%	5YR 4/3	5YR 4/6	Concentrations	S1	Granular	Weak	Friable

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

SHAWN ECKERMAN (Designer/Inspector) *[Signature]* (Signature) License #: **4219** (License #) Date: **8/9/2022** (Date)

Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.


(LGU Inspector) _____ (Signature) _____ (Cert. #) _____ (Date)



Soil Observation Log

Project ID:

v 04.01.2020

Client: FRANK & MARIAN SKAFF TRUST		Location / Address: 10808 ALDER ST. FINLAYSON MN 55735	
Soil parent material(s): (Check all that apply) <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter			
Landscape Position: (select one) Ag. Land		Slope shape: NA	
Vegetation: 732B- BUSHVILLE LOAMY FINE SAND		Elevation-relative to benchmark: 100.0	
Weather Conditions/ Time of Day: FULL SUN, 83DEG		Limiting Layer Elevation: 97.3	
Soil survey map units: 5YR 3/2		Date: 08/09/22	
BORE SITE #4			
Observation #/Location:		Observation Type: Auger	
Depth (in)	Texture	Rock Frag. %	Indicator(s)
0-8	Loamy Sand	<35%	5YR 3/2
8-12	Loamy Sand	<35%	5YR 4/2
12-32	Loamy Sand	<35%	5YR 4/4
32	Loamy Sand	<35%	5YR 4/3 5YR 4/6 Concentrations S1
Shape		Grade	
Granular		Weak	
Granular		Weak	
Granular		Weak	
Granular		Weak	
Consistence		Friable	
Friable		Friable	
Friable		Friable	
Friable		Friable	
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.			
SHAWN ECKERMAN		4219	
(Designer/Inspector)		(License #)	
Signature: 		8/9/2022	
(Signature)		(Date)	
Optional Verification: I hereby certify that this soil observation was verified according to Minn. R. 7082.0500 subp. 3 A. The signature below represents an infield verification of the periodically saturated soil or bedrock at the proposed soil treatment and dispersal site.			
(Signature)		(Cert. #)	
(LGU Inspector)		(Date)	

TREES



PID# 34-0-039-301

Ag Field

Limiting Layer Elevation

B1 97.4

B2 97.2

B3 97.5

B4 97.3

B4

B3



trees



B1

mowed lawn



pond



Self Storage Shed



B2

trees



ALDER ST.

South Prop. Line