

PRELIMINARY SOIL AND SITE EVALUATION
NE, SE, SEC. 17, T44N, R9W
TOWN OF BARNES, BAYFIELD COUNTY
WISCONSIN

TO: Secluded Land Co LLC
P.O. Box 10
DeSoto, WI 54624

Date: August 5, 2025

RE: Preliminary Soil and Site Evaluation Test borings were conducted for the above mentioned CSM lots pertaining to the soil suitability of the placement of POWTS (Privately Owned Wastewater Systems) the property will sustain.

Dear Paul:

The 6 above CSM lots were evaluated to verify soil suitability for the placement of POWTS. The POWTS are to possibly serve one and two family dwellings. The following report will give a general description of the lots and overview of the topography and vegetation present.

Topography:

Soils in the test areas were formed from Glacial Outwas deposits on Drumlins and End Moraines. The slope classification for the parcel is in the gentle to Moderate classification. The lots are located in a wooded tract of land being composed of mixed Coniferous and Popple Trees. The conifers are pine and Balsam. The deciduous trees are Popple, Oak and some cherry trees which like sandy well drained soils. The trees present are varieties which grow best in sandy well drained soil types. The undergrowth on the parcels consists of sweet fern and grasses which grow in sandy well drained sites. The lots all have adequate acreage and soils to avoid the drainage ways and low areas to locate suitable sites for dwellings. None of the proposed parcels have areas that stand surface water or areas that limit the internal drainage on the property. The sites will sustain basement and possible walk out basements on several of the parcels.

Conclusion:

All of the above parcels have soils suitable for the placement of Conventional type systems on the property. The soils for the parcels will have a .7 Loading Rate which is assigned to the medium sand and gravely sand soils for the property. The parcels have enough acreage for the placement of a dwelling and a POWTS on them. Actual Soil and site evaluation reports will need to be conducted prior to the issuance of sanitary permits and building permits.

It appears at the time this preliminary was conducted that all the parcels will sustain the placement of Conventional type Adsorption Systems.

If you have any questions regarding this report please feel free to contact Zahm Soil Testing (920-373-1673).

Cordially,

A handwritten signature in black ink, appearing to read "Jeffrey L. Zahm".

Jeffrey L. Zahm
CSTM # 223240

SOIL EVALUATION REPORT

In accordance with SPS 385, Wis. Adm. Code
Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include,
but not limited to: vertical and horizontal reference point (BM), direction and percent slope,
scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04(1)(m)).

Property Owner SECLUDED LAND CO LLC		Property Location Govt. Lot NE ¼ SE ¼ S 17 T 44 N R 9 E (or) W		☐	☒
Property Owner's Mailing Address P.O. BOX 10		Lot # 1-6	Block # -	Subd. Name or CSM# PRE CSM	
City DESOTO	State WI	Zip Code 54624	Phone Number ()	☐ City ☐ Village BARNES	☒ Town E Shore Road

Reviewed by _____ Date _____

☒ New Construction Use: ☒ Residential / Number of bedrooms 2-4 Code derived design flow rate 300-600 GPD

☐ Replacement ☐ Public or commercial - Describe: _____

Parent material Glacial Outwash

Flood Plan elevation if applicable NA ft.

General comments and recommendations: Preliminary Soil Borings for Land Division. Soils will sustain Conventional type adsorption systems for all the proposed parcels.

1	Boring #	☒ Boring ☐ Pit	Ground surface elev. <u> </u> ft.	Depth to limiting factor <u>80</u> in.
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Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-6	10YR3/4	-	LS	2MGR	MFR	AS	2M	.7	1.6
Bs	6-26	7.5YR4/6	-	LS	2MGR	MFR	CW	2M	.7	1.6
C	26-80	7.5YR5/4	-	S	SG	ML	-	-	.7	1.6

2	Boring #	☒ Boring ☐ Pit	Ground surface elev. <u> </u> ft.	Depth to limiting factor <u>80</u> in.
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Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-6	10YR3/4	-	LS	2MGR	MFR	AS	2M	.7	1.6
Bs	6-24	7.5YR4/6	-	LS	2MGR	MFR	CW	2M	.7	1.6
C	24-80	7.5YR5/4	-	S	SG	ML	-	1F	.7	1.6

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

CST Name (Please Print) JEFFREY L. ZAHM	Signature 	CST Number 109300002-SP
Address 6203 VANHULLE LANE, OCONTO, WI 54153	Date Evaluation Conducted August 6, 2025	Telephone Number 920-373-1673

SBD-8330 (R04/15)

3 Boring #

☒ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor 75 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-5	10YR3/4	--	LS	2MGR	MFR	AS	2M	.7	1.6
BS	5-28	7.5YR4/6	--	LS	2MGR	MFR	CW	2M	.7	1.6
C	28-75	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			less than 15% gravel							

4 Boring #

☒ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor 72 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-6	10YR3/4	--	LS	2MGR	MFR	AS	2M	.7	1.6
Bs	6-25	7.5YR4/6	--	LS	2mGR	MFR	CW	2M	.7	1.6
C	25-72	7.5YR5/4	--	S	SG	ML	--	--	.7	1.6

5 Boring #

☒ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor 78 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-6	10YR3/4	--	LS	2MGR	MFR	AS	2M	.7	1.6
Bs	6-24	7.5YR4/6	--	LS	2mGR	MFR	CW	2M	.7	1.6
C	24-78	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			less than 15% gravel							

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

6

Boring #

☒ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor 80 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
A	0-5	10YR3/4	—	LS	2MGR	MFR	AS	2M	.7	1.6
Bs	5-28	7.5YR4/6	—	LS	2MGR	MFR	CW	2M	.7	1.6
C	28-80	7.5YR5/4	—	S	SG	ML	—	—	.7	1.6

Boring #

☐ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2

Boring #

☐ Boring
☐ Pit

Ground surface elev. ft. Depth to limiting factor in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

Eau Claire Lakes Retreat Soils Map

Scale: 1 : 3420.

200 0 200 400 600 800 1000 1200 1400 1600 ft



ExpertGPS Basemap: mapbox, OpenStreetMap



X = Approximate Soils Location