PRELIMINARY SOIL AND SITE EVALUATION
NE, SEC. 2, T36N, R5E
TOWN OF LITTLE RICE, ONEIDA COUNTY
WISCONSIN

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

Date: October 8, 2024

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 Jack:

The 16 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 outwash deposits on Ground Moraines. The slope classification for the parcel is in the gentle classification. The lots are located in a wooded tract of land being composed primarily of scrub oak, Popple and some planted Red Pine, The natural regrowth consisting of Popple and Oak trees. The trees present are varieties which grow best in a sandy based somewhat well to well drained soil types. There are low pockets and some wetland areas to the North and North East along the Creek which should be avoided. The lots all have adequate acreage and soils to avoid the drainage ways and Low areas to locate suitable sites for dwellings and septic areas.

Conclusion:

All 16 of the above parcels have soils suitable for the placement of POWTS on the property. The POWTS for these parcels appear to have soils suitable for Mound

and Conventional type adsorption systems. The overall majority of the borings conducted show soils suitable for Conventional type adsorption system with a few lots needing Mound type systems. The system cells shall be designed to lie on the land contours and not in drainage ways or basins which can collect surface runoff. The Mound type adsorption systems shall be designed to utilize 12" of ASTM C 33 sand media and should not exceed a 6.0 Linear Loading Rate. The Conventional adsorption systems shall be designed with a .7 Linear Loading Rate and utilize 643 SqFt of area for 3 Bedroom Homes. 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 16parcels will sustain Mound or Conventional type adsorption system and not require placement of Holding Tanks.

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

Cordially,

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)).

County	Parcel I.D.	Reviewed by	Date
Oneida			

Property Owner	Property Location				
SECLUEDED LAND CO LLC	☒ ☐ Govt. Lot ¼ NE ¼ S 2 T 36 N R 5 E (or) W				
Property Owner's Mailing Address	**Lot #**	**Block #**	**Subd. Name or CSM#**		
P. O. BOX 10	1-16	–	PRE CSM		
City	**State**	**Zip Code**	**Phone Number**	**☐ City ☐ Village ☒ Town**	**Nearest Road**
DESOTO	WI	54624	( )	Little Rice	Burrows Lake Rd

☒ New Construction ☐ Replacement Use: ☒ Residential / Number of bedrooms 3 Code derived design flow rate 450 GPD ☐ Public or commercial – Describe: ____

Parent material Glacial Outwash Flood Plan elevation if applicable NA ft.

General comments and recommendations: Suggested mound and Conventional type adsorption systems.

1 Boring # ☒ Boring ☐ Pit Ground surface elev. = ft. Depth to limiting factor 60 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2F	.6	1.0
Bs	5-18	7.5YR4/6	--	SL	2MSBK	MFR	CW	2F	.6	1.0
C	18-30	7.5YR5/4	--	LS	2MGR	MFR	CW	1F	.7	1.6
C2	30-60	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for conventional							

2 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 GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/4	--	LS	2MGR	MFR	AS	2F	.7	1.6
Bs1	5-18	7.5YR4/4	--	LS	2MGR	MFR	CW	1F	.7	1.6
Bs2	18-30	7.5YR4/6	--	LS	2MGR	MFR	CW	2F	.7	1.6
C	30-80	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for Conventional							

* 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)	Signature	CST Number
JEFFREY L. ZAHM	Jeffrey Zahm	109300002-SP
Address	**Date Evaluation Conducted**	**Telephone Number**
6203 VANHULLE LANE, OCONTO, WI 54153	October 8, 2024	920-373-1673

3 Boring # ☒ Boring ☐ Pit Ground surface elev. = ft. Depth to limiting factor 70 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-20	7.5YR4/6	--	LS	2MGR	MFR	CW	2F	.7	1.6
C	20-40	7.5YR5/4	--	LS	2MGR	MFR	CW	2M	.7	1.6
C2	40-70	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for Conventional							

4 Boring # ☒ Boring ☐ Pit Ground surface elev. = ft. Depth to limiting factor 70 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-24	7.5YR4/6	--	LS	2MGR	MFR	CW	2F	.7	1.6
C	24-70	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for Conventional							

5 Boring # ☒ Boring ☐ Pit Ground surface elev. = ft. Depth to limiting factor 24.0 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-6	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	6-24	7.5YR4/6	--	SL	2MSBK	MFR	CW	2M	.6	1.0
C	24-36	7.5YR6/4	C2D 5YR5/8	SL	MSV	MFR	--	--	.2	.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

6 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 24.0 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-4	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	4-18	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	18-24	7.5YR5/4	--	GRS	SG	ML	CW	1F	.7	1.6
C2	24-40	7.5YR6/4	C2D 5YR5/8	GRS	SG	ML	--	--	.7	1.6
			Suitable for a Mound							

7 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 65 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-16	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	16-65	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for a Conventional							

8 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 65 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-28	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	28-65	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for a Conventional							

* 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

9 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 65.0 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-21	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	21-65	7.5YR5/4	--	GRS	SG	ML	--	1F	.7	1.6
			Suitable for a Conventional							

10 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 60 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-21	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	21-28	7.5YR5/4	--	GRS	SG	ML	CW	1F	.7	1.6
C2	28-60	7.5YR5/4	--	S	SG	ML	--	--	.7	1.6
			Suitable for a Conventional							

11 Boring # ☒ Boring ☐ Pit Ground surface elev. -- ft. Depth to limiting factor 24.0 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-18	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	18-24	7.5YR5/4	--	GRS	SG	ML	CW	1F	.7	1.6
C2	24-48	7.5YR5/4	C2D 5YR5/8	GRS	SG	ML	--	--	.7	1.6
			Suitable for a Mound							

* 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

12 Boring # ☒ Boring ☐ Pit Ground surface elev. = ft. Depth to limiting factor 65 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
A	0-5	10YR3/2	--	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-16	7.5YR4/6	--	SL	2MGR	MFR	CW	2M	.6	1.0
C	16-65	7.5YR5/4	--	GRS	SG	ML	--	--	.7	1.6
			Suitable for a Conventional							

☐ 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 GPD/Ft²	
									*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 GPD/Ft²	
									*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