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, W1 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

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			SOI	L EVAL	UATION RE	PORT					
Attach o	complete site	plan on paper not l	ess than 8 1/2 v 11 inch	S 385, Wis. Adm. Code County Oneida							
out mot	minied to. ve	lucal and nonzonial	reference point (BM), di cation and distance to n	roofion on	end encount of Description						
		Please	print all information.				Review	ed by			Date
Personal i	nformation ye	ou provide may be u	sed for secondary purpos	ses (Privac	y Law, s. 15.04	(1)(m)).					-410
Property C	wner				Property Local						3 🗆
	ED LAND C				Govt. Lot) W	у Ц				
Property C P. O. BOX	Lot # 1-16	Block #	Su								
City	Number	City	☐ Villag		PRE CSM Town Nearest Road						
DESOTO		WI 5	54624			villag	1	tle Rice	1 4400 14	ws Lake Ro	ı
Mou C	onstruction	. 57	tial / Number of bedrooms						Lound	Wa Lake No	
	terial Glacial	☐ Public or Outwash recommendations:	commercial – Describe: Suggested mound and		Flood Plan eleve	ation if on	olioobla N				
1 Borin	g #	⊠ Boring □ Pit	Ground surface	elev <u>–</u> ft.	Depth to lim	niting facto	or <u>60</u> in.				
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Con	nsistence	David I	T	Soil Application Rate	
	ln.	Munsell	Qu. Az. Cont. Color	l same	Gr. Sz. Sł		SISTELLCE	Boundary	Roots	The Moreover	PD/Ft ²
Α	0-5	10YR3/2	=	SL	2MGR	MFF	₹	AS	2F	*Eff#1	*Eff#2
Bs	5-18	7.5YR4/6		SL	2MSBK	MFF		CW	2F	.6	-
С	18-30	7.5YR5/4		LS	2MGR	MFF		CW	1F		1.0
C2	30-60	7.5YR5/4		GRS	SG	ML	`			.7	1.6
						INC		-	-	7.7	1.6
			Suitable for conventional								
2 Boring] #	⊠ Boring □ Pit	Ground surface	elev. <u></u> ft.	Depth to lim	niting facto	or <u>80</u> in.				
Horizon	Depth	Dominant Color	Ded. D							Soil Appl	ication Rate
HOHZOH	ln.	Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh		sistence	Boundary	Roots	GF	D/Ft ²
Α	0-5	10YR3/4		LS		_				*Eff#1	*Eff#2
Bs1	5-18	7.5YR4/4			2MGR	MFR		AS	2F	.7	1.6
Bs2	18-30	7.5YR4/6		LS	2MGR	MFR		CW	1F	.7	1.6
С	30-80	7.5YR5//		000	2MGR	MFR		CW	2F	-7	1.6

 CST Name (Please Print)
 Signature
 CST Number 109300002-SP

 Address
 Date Evaluation (Inducted 6203 VANHULLE LANE, OCONTO, WI 54153
 Date Evaluation (Inducted 920-373-1673

Telephone Number 920-373-1673

3	Borin	g #	⊠ Boring □ Pit	Ground surface	elev. <u>–</u> ft.	Depth to limiti	ing factor <u>70</u> in.				
·						7				Soil App	lication Ra
Ho	rizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots		PD/Ft ²
Α		0-5	10YR3/2	-	SL		1		-	*Eff#1	*Eff#2
Bs		5-20	7.5YR4/6	-	LS	2MGR	MFR	AS	2M	.6	1.0
С		20-40	7.5YR5/4	120		2MGR	MFR	CW	2F	.7	1.6
C2	7	40-70			LS	2MGR	MFR	CW	2M	.7	1.6
OZ.		40-70	7.5YR5/4		GRS	SG	ML		-	7	1.6
				Suitable for Conventional							
			Pit	Ground surface	elev. <u>-</u> ft,	Depth to limiti	ng factor <u>70</u> in			Soil Appl	lication Pa
Horizon	Depth	Dominant Color	Redox Description	Texture	Structure	Consistence	Boundary	Roots	Soil Application Rat		
_	. 1	ln.	Munsell	Qu. Az. Cont. Color		Gr. Sz. Sh.			110010	*Eff#1	*Eff#2
Α		0-5	10YR3/2	124	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	-	5-24	7.5YR4/6		LS	2MGR	MFR	CW	2F	.7	1.6
С		24-70	7.5YR5/4	-	GRS	SG	ML	lsn	-	.7	1.6
				Suitable for Conventional							
									F :		
5 Hori	Boring	# Depth	Boring Pit Dominant Color	Ground surface	elev. <u></u> ft. Texture	Structure	ng factor <u>24.0</u> in.	Boundary	Roots		ication Rat
			Munsell	Qu. Az. Cont. Color		Gr. Sz. Sh.		,		*Eff#1	*Eff#2
A		0-6	10YR3/2		SL	2MGR	MFR	AS	2M	.6	1.0
Bs	- 1	6-24	7.5YR4/6	440	St	ZMSBK	MED	CIM	004		- NVS6/

SL

SL

C2D 5YR5/8

2MSBK

MSV

7.5YR6/4

С

24-36

MFR

MFR

CW

__

2M

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.6

.2

1.0

.6

^{*} Effluent #1 = BOD, > 30 \leq 220 mg/L and TSS > 30 \leq 150 mg/L

^{*} Effluent #2 = BOD, > 30 \leq 220 mg/L and TSS > 30 \leq 150 mg/L

6 Bori	ng #	⊠ Boring □ Pit	Ground surface	elev. <u></u> ft.	Depth to limiti	ing factor <u>24.0</u> in	ē			
Haring			T						Soil App	lication Ra
Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure	Consistence	Boundary	Roots	GPD/Ft ²	
A	0-4	10YR3/2		-	Gr. Sz. Sh.				*Eff#1	*Eff#2
Bs	4-18	7.5YR4/6	-	SL	2MGR	MFR	AS	2M	.6	1.0
C	18-24	1	-	SL	2MGR	MFR	cw	2M	.6	1.0
C2		7.5YR5/4	-	GRS	SG	ML	CW	1F	.7	1.6
02	24-40	7.5YR6/4	C2D 5YR5/8	GRS	SG	ML.	-	140	.7	1.6
			Suitable for a Mound							
Horizon Depth			Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Ra	
Α	0-5	10YR3/2	-	SL	2MGR	MFR	AS	2M	*Eff#1	*Eff#2
Bs	5-16	7.5YR4/6	<u> </u>	SL	2MGR	MER	CW	2M	.6	1.0
С	16-65	7.5YR5/4	-	GRS	SG	ML	-	-	.6	1.0
			Suitable for a Conventional							1,0
8 Boring	g #	⊠ Boring □ Pit	Ground surface e	elev. <u>~</u> ft.	Depth to limiting	g factor <u>65</u> in:				
Horizon	Depth		Redox Description Qu. Az. Cont. Color				Boundary		Soil Appli	cation Rat
HOHZOH	In.			Texture	Structure Gr. Sz. Sh.	Consistence		Roots	GP	D/Ft ²
Α	0-5	10YR3/2	-	DI					*Eff#1	*Eff#2
Bs	5-28	7.5YR4/6		SL	2MGR	MFR	AS	2M	.6	1.0
	28-65		-	SL	2MGR	MFR	CW	2M	.6	1.0
	20-03	7.5YR5/4	-	GRS	SG	ML	-	-	.7	1.6

Suitable for a Conventional

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9 B	oring #	⊠ Boring ☐ Pit	Ground surface	e elev. <u></u> ft.	Depth to limit	ting factor <u>65.0</u> in				
l lade							-11	- Fire and the second	Soil App	lication Rate
Horizo	on Depth	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure	Consistence	Boundary	Roots		PD/Ft²
A	0-5				Gr. Sz. Sh.				*Eff#1	*Eff#2
_		10YR3/2	144	SL	2MGR	MFR	AS	2M	.6	1.0
Bs	5-21	7.5YR4/6	(22)	SL	2MGR	MFR	CW	2M	.6	1.0
С	21-65	7.5YR5/4)=#	GRS	SG	ML	-	1F	.7	1.6
			Suitable for a Conventional							
10 Bo	oring #	⊠ Boring ☐ Pit	Ground surface	e elev, <u></u> ft.	Depth to limiti	ng factor <u>60</u> in.				
Horizon Depth		Depth Dominant Color	Redox Description	T			1	+	Soil Application Rate	
	In.	Munsell	Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots		PD/Ft ²
Α	0-5	10YR3/2		SL	2MGR	MFR	AS	2M	*Eff#1	*Eff#2
Bs	5-21	7.5YR4/6	-	SL	2MGR	MFR	CW	2M	.6	1.0
С	21-28	7.5YR5/4	-	GRS	SG	ML	CW	1F	6	1.0
C2	28-60	7.5YR5/4	-	S	SG	ML		_	.7	1.6
			Suitable for a Conventional			1902	-	-	7	1.6
11 Bo	ring #	⊠ Boring □ Pit	Ground surface	elev. <u></u> ft.	Depth to limiti	ng factor <u>24.0</u> in.				
Horizon	Depth	Dominant Color	Redox Description	Touture	04			r		ication Rate
	In.	Munsell	Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Luciero .	D/Ft ²
Α	0-5	10YR3/2	can can	SL	2MGR	MFR	AC	014	*Eff#1	*Eff#2
Bs	5-18	7.5YR4/6		SL	2MGR	MFR	AS	2M	.6	1.0
С	18-24	7.5YR5/4		GRS	SG	ML	CW	2M	6	1.0
C2	24-48	7.5YR5/4	C2D 5YR5/8	GRS	SG		CW	1F	-7	1.6
			Suitable for a Mound	ONO	36	ML	-		.7	1.6
			Carranie ini a Minfild							

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^{*} Effluent #2 = BOD, > 30 \leq 220 mg/L and TSS > 30 \leq 150 mg/L

12 Bori	пg #	⊠ Boring □ Pit	Ground surface	elev. <u>–</u> ft.	Depth to limit	ing factor <u>65</u> in				
Horizon	Donat	Danie i a i		1	F.				Soil Appl	ication Rat
HUHZUH	Depth In	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots		D/Ft ²
Α	0-5	10YR3/2	-	SL	1	1			*Eff#1	*Eff#2
Bs	5-16	7.5YR4/6			2MGR	MFR	AS	2M	.6	1.0
С	16-65	7.5YR5/4	-	SL	2MGR	MFR	CW	2M	.6	1.0
	10 00	1.011(3/4		GRS	SG	ML	-		.7	1.6
			Suitable for a Conventional							
	19									
Borir		☐ Pit	Ground surface			Depth to	limiting factor	in	Soil Appli	cation Rat
HOUZON	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure	Consistence	Boundary	Roots	17,000	D/Ft ²
			Qui / Q. Golit. Golor		Gr. Sz. Sh.				*Eff#1	*Eff#2
	<u> </u>			-		-		1		8
							-	-		
				1		Y-				
Borin	g #	☐ Boring ☐ Pit	Ground surface	elev	ft.	Depth to li	imiting factor	in.		
Horizon	Depth	Domina-t-O-1	D. J. D.	/_					Soil Applic	cation Rate
1 10112011	In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPI	D/Ft ²
					3., 32. 311				*Eff#1	*Eff#2
						-				
										i l

^{*} Effluent #1 = BOD, > 30 \leq 220 mg/L and TSS > 30 \leq 150 mg/L

^{*} Effluent #2 = BOD, > 30 \leq 220 mg/L and TSS > 30 \leq 150 mg/L