

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 Lystra Yates		Property Location Govt. Lot NW 1/4 NW 1/4 S 20 T 29 N R 12 E (or) W	
Property Owner's Mailing Address E 4643 700th Avenue		Lot # 25	Block # Lakeside Village
City Menomonee	State WI	Zip Code 54751	Phone Number Tainter
		☐ City ☐ Village ☐ Town	Nearest Road 578th Street

☒ New Construction Use: ☒ Residential / Number of bedrooms **4** Code derived design flow rate **600** GPD
☐ Replacement ☐ Public or commercial - Describe: **(maybe 3 bldg strong)**
 Parent material **outwash** Flood Plan elevation if applicable **N4** ft.
 General comments and recommendations:
recommended conventional trenches 260' below grade, local on
proposed SEL 95.0

1 Boring # ☐ Boring ☒ Pit Ground surface elev. **1003** ft. Depth to limiting factor **120** 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/Ft ²	
									*Eff#1	*Eff#2
1	0-6	7.5YR 3/2	NONE	S	2 f s b t	m f r	g s	2 f t c	0.4	0.7
2	6-18	7.5YR 4/3		F s	ø	m l	g s	2 f t c	0.5	1.0
3	18-33	7.5YR 4/4		F s	ø	m l	g s	2 f t c	0.5	1.0
4	33-56	7.5YR 5/4		F s	ø	m l	g s	2 f t c	0.5	1.0
banks		5YR 4/4		F s	ø	m l	g s	2 f t c	0.5	1.0
5	56-120	7.5YR 5/4		S	ø	m l	-	-	0.7	1.6
Hard Boring below 100'										

2 Boring # ☐ Boring ☒ Pit Ground surface elev. **1000** ft. Depth to limiting factor **110** 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/Ft ²	
									*Eff#1	*Eff#2
1	0-7	7.5YR 3/2	NONE	S	1 f s b t	m f r	g s	2 f t c	0.4	0.8
2	7-16	7.5YR 4/3		F s	ø	m l	g s	2 f t c	0.5	1.0
3	16-30	7.5YR 4/4		F s	ø	m l	g s	2 f t c	0.5	1.0
4	30-42	5YR 4/6		F s l	2 m s b t	m f r	g s	2 f t c	0.4	0.6
5	42-54	7.5YR 5/4		F s	ø	m l	g s	1 f	0.5	1.0
6	54-110	7.5YR 5/4		S	ø	m l	g s	-	0.7	1.6
thin streaks		7.5YR 4/4		S	ø	m l	-	-	0.7	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) Will Heidt Soil Testing	Signature William R. Heidt	CST Number 227872
Address W3503 Hemlock Road Mondovi, WI 54755 715-579-9584	Date Evaluation Conducted October 8, 2017	Telephone Number 579-9584

Boring #

☐ Boring
☒ Pit

Ground surface elev. 990 ft.

Depth to limiting factor 110 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/Ft ²	
									*Eff#1	*Eff#2
0-7	1	25YR 3/2	none	sl	fsbk	mfr	gs	zftc	0.4	0.7
7-15	2	25YR 4/3		fs	φ	ml	ds	zftc	0.5	1.0
15-20	3	45YR 4/4		fs	φ	ml	ds	zflun	0.5	1.0
20-28	4	45YR 4/4		fs	zmbk	mfr	gw	zfln	0.4	0.6
28-40	5	25YR 4/6		ls	φ	ml	ds	zcl	0.7	1.6
40-60	6	25YR 5/6		s	φ	ml	ds	—	0.7	1.6
60-11	7	25YR 5/4	↓	s	φ	ml	—	—	0.7	1.6

Boring #

☐ Boring
☒ Pit

Ground surface elev. 100.0 ft.

Depth to limiting factor 110 in.

									Soil Application Rate	
Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/Ft ²	
									*Eff#1	*Eff#2
1	0-9	2.5YR 3/2	NONE	sl	2Fsbk	mm fr	gs	2FHC	0.6	1-0
2	9-20	1.5YR 4/3		Fls	Ø	md	ds	2FHC	0.5	1-0
3	20-30	2.5YR 4/4		Fls	Ø	md	gw	2f/m	0.5	1-0
4	30-39	5YR 4/4		Fls	2msbk	mm fr	gw	2f/m	0.4	0.6
5	39-52	2.5YR 4/6		Fls	Ø	md	ds	2G	0.5	1-0
6	52-66	4.5YR 5/4		S	Ø	md	ds	—	0.7	1-6
7	66-110	2.5YR 6/4		S	Ø	md	—	—	0.7	1-6

Boring #

☐ Boring
☐ Pit

Ground surface elev. _____ ft.

Depth to limiting factor _____ in.

[illegible]

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

