

SOIL EVALUATION REPORT

#1139

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Donald O. Klug, Inc.

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. 19.04 (1) (m)).

County	Ozaukee
Parcel I.D.	14-033-11-002.00
Reviewed By	Date

Property Owner Iron Butterfly LLC		Property Location Govt. Lot SW1/4, SW1/4, S33, T9N, R21E	
Property Owner's Mailing Address 4 Earling Ct		Lot #	Block #
		Subd. Name or CSM# CSM #1452 Vol 9-75	
City	State	Zip Code	Phone Number
Oconomowoc	WI	53066	
☒ City	☐ Village	☐ Town	Nearest Road
	Mequon		N Swan Road

☒ New Construction Use: ☒ Residential / Number of bedrooms 5 Code derived design flow rate 750 GPD
☐ Replacement ☐ Public or commercial - Describe: _____

Parent material _____ Flood plain elevation, if applicable n/a ft.

General comments and recommendations: Site is suitable for a mound system. See P.Q.W.T.S. Component Manual for correct design criteria.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Ox. St. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*E101	*E102
1	0-11	10YR3/3	-	scl	2fsbk	ml	aw	lf	0.4	0.6
2	11-18	10YR4/4	-	d	2fsbk	ml	cw	-	0.4	0.6
3	18-24	7.5YR4/4	fl10YR5/8	sl	1fsbk	mfl	cw	-	0.4	0.6
4	24-39	7.5YR5/4	c2d10YR5/8	sd	1fsbk	mfl	-	-	0.2	0.3
Ground water observed @ 33"										

Horizon	Depth in.	Dominant Color Munsell	Redox Description Ox. St. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*E101	*E102
1	0-9	10YR3/3	-	scl	2fsbk	ml	aw	lf	0.4	0.6
2	9-19	10YR4/4	-	d	2fsbk	ml	cw	-	0.4	0.6
3	19-36	7.5YR5/4	c2d10YR5/8	scl	1fsbk	mfl	-	-	0.2	0.3
Ground water observed @ 34"										

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

* Effluent #2 = BOD₅ < 30 mg/L and TSS < 30 mg/L

CST Name (Please Print) Dave Klug	Signature <i>Donald O. Klug</i>	CST Number 221236
Address Donald O. Klug, Inc. 4419 Country Aire Dr. Cedarburg, WI 53012	Date Evaluation Conducted 3/29/2019	Telephone Number 262-377-3838

3 Boring # ☐ Boring ☒ Pit Ground surface elev. 96.83 ft. Depth to limiting factor 15 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Cu, Sz, Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/m ²	
									*Ent#1	*Ent#2
1	0-10	10YR3/3	-	sid	2fabk	ml	aw	1f	0.4	0.6
2	10-15	10YR4/4	-	d	2fsbk	ml	cw	-	0.4	0.6
3	15-33	7.5YR5/4	c2d10YR5/8	sid	1fabk	mfi	-	-	0.2	0.3

4 Boring # ☐ Boring ☒ Pit Ground surface elev. 97.13 ft. Depth to limiting factor 18 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Cu, Sz, Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/m ²	
									*Ent#1	*Ent#2
1	0-10	10YR3/3	-	sid	2fabk	ml	aw	1f	0.4	0.6
2	10-18	10YR4/4	-	d	2fsbk	ml	cw	-	0.4	0.6
3	18-34	7.5YR5/4	c2d10YR5/8	sid	1fabk	mfi	-	-	0.2	0.3

5 Boring # ☐ Boring ☒ Pit Ground surface elev. 100.93 ft. Depth to limiting factor 15 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Cu, Sz, Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/m ²	
									*Ent#1	*Ent#2
1	0-12	10YR3/3	-	d	2fabk	ml	aw	1f	0.4	0.6
2	12-15	10YR3/2	-	d	2fsbk	ml	cw	-	0.4	0.6
3	15-22	10YR4/4	c2d10YR5/8	sid	1fabk	mfi	cw	-	0.2	0.3
4	22-37	7.5YR5/4	c2d10YR5/8	sid	0m	mvfi	-	-	0.0	0.0

Field tile observed @ 18"

* Effluent #1 = BOD₅ >30 <220 mg/L and TSS >30 <150 mg/L* Effluent #2 = BOD₅ <30 mg/L and TSS <30 mg/L

[illegible][illegible][illegible]

^a Effluent #1 = BOD₅ > 30 < 220 mg/L and TSS > 30 < 150 mg/L.

* Effluent #2 = $\text{BOD}_5 < 30 \text{ mg/L}$ and TSS $< 30 \text{ mg/L}$