

SOIL EVALUATION REPORT

In accordance with Comm 85, 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	Sheboygan
Parcel I.D.	59018256820
Reviewed by	Date

Property Owner Timothy Brieske				Property Location Govt. Lot SE 1/4 NE 1/4 S 26 T 16 N R 21 E (or) X			
Property Owner's Mailing Address 7093 Heron Circle				Lot # N/A	Block # N/A	Subd. Name or CSM# 20 Acre Parcel	
City Carlsbad	State CA	Zip Code 92011	Phone Number (608) 604-2828	<input type="checkbox"/> City Rhine	<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Town	Nearest Road Hwy 57

New Construction Use: Residential / Number of bedrooms > 1 Code derived design flow rate > 150 GPD
 Replacement Public or commercial - Describe: Bathroom Facility For Horse Stable
 Parent material Loamy Glacial Till Flood Plain elevation if applicable N/A ft.
 General comments and recommendations: Double Compartment Septic Tank With Effluent Filter;
0.40 Gallons/Sq Ft & 4.00 To 6.00 Gallons/Linear Ft/Day Basal Area With
Option #1 Mound Component

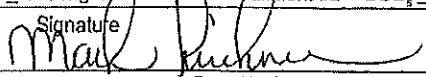
1 Boring # Boring Pit Ground surface elev. 920.00 ft. Depth to limiting factor 24 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
Ap	0-12	10YR 3/2	N/A	sil	(2)fsbk	mvfr	as	(3)vf	0.6	0.8
B1	12-18	7.5YR 3/4	N/A	sic1	(2)fabk	mfr	cw	(2)vf	0.4	0.6
BC	18-24	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(1)vf	0.6	0.8
C1	24-66	10YR 5/4	(f)1(f)	sil	(1)fpl	mvfr	-	-	0.4	0.6
			7.5YR 5/8 Mottles							
			&							
			10YR 8/3 Calcium Carbonates							

2 Boring # Boring Pit Ground surface elev. 920.00 ft. Depth to limiting factor 39 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
Ap	0-12	10YR 3/2	N/A	sil	(2)fsbk	mvfr	as	(3)vf	0.6	0.8
E	12-18	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(2)vf	0.6	0.8
B1	18-30	7.5YR 3/4	N/A	sic1	(2)fabk	mfr	cw	(1)vf	0.4	0.6
BC	30-39	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(1)vf	0.6	0.8
C1	39-60	10YR 5/4	(f)1(f)	sil	(1)fpl	mvfr	-	-	0.4	0.6
			7.5YR 5/8 Mottles							

* 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) Mark Kirchner	Signature 	CST Number 224701
Address 8298 Kettleview Drive Kewaskum, WI 53040-9481	Date Evaluation Conducted November 12, 2014	Telephone Number (262)626-4848

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 Replacement Public or commercial - Describe: Bathroom Facility For Horse Stable
 Parent material Loamy Glacial Till Flood Plain elevation if applicable N/A ft.
 General comments and recommendations: Double Compartment Treatment Tank With Effluent Filter;
0.40 Gallons/Sq Ft/Day & 4.00 To 6.00 Gallons/Linear Ft/Day Basal Area
Option #1 With Mound Component

Boring # 3 Boring Pit Ground surface elev. 916.00 ft. Depth to limiting factor 45 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
									Ap	0-12
BC	12-24	10YR 4/4	N/A	lfs	(2)vfgr	mvfr	cw	(2)f	0.5	1.0
C1	24-45	10YR 6/4	N/A	vfs	(∅)m	mvfr	cs	(2)fm	0.4	0.6
C2	45-55	10YR 6/4	(f)1(f)	vfs	(∅)m	mvfr	cs	(1)f	0.4	0.6
C3	55-78	10YR 5/4	7.5YR 5/8 Mottles	si	(∅)m	mvfr	-	-	0.0	0.0

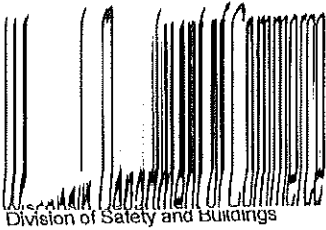
Boring # 4 Boring Pit Ground surface elev. 916.00 ft. Depth to limiting factor 32 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
									Ap	0-10
B1	10-22	7.5YR 3/4	N/A	sil	(2)fabk	mfr	cw	(2)vf	0.4	0.6
BC	22-32	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(1)vf	0.6	0.8
C1	32-56	10YR 5/4	(f)1(f)	sil	(1)fp1	mvfr	cw	(1)vf	0.4	0.6
			7.5YR 5/8 Mottles & 10YR		8/3 Calcium Carbonates					
C2	56-84	10YR 5/4	(f)1(f)	si	(∅)m	mvfr	-	-	0.0	0.0
			7.5YR 5/8 Mottles							

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

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Replacement Public or commercial - Describe: Bathroom Facility For Horse Stable

Parent material Loamy Glacial Till Flood Plain elevation if applicable N/A ft.

General comments and recommendations: Double Compartment Treatment Tank With Aerobic Bacteria Generator(s) & Effluent Filter;

Option #2 0.60 Gallons/Sq Ft/Day & 4.00 To 6.00 Gallons/Linear Ft/Day

Infiltrative Area With At-Grade Component

5 Boring # Boring Pit Ground surface elev. 905.00 ft. Depth to limiting factor 30 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ap	0-12	10YR 3/2	N/A	sil	(2)fsbk	mvfr	as	(3)vf	0.6	0.8
B1	12-24	7.5YR 3/4	N/A	siel	(2)fabk	mfr	cw	(2)fm	0.4	0.6
BC	24-30	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(1)f	0.6	0.8
C1	30-56	10YR 5/4	(c)1(d)	sl	(1)fp1	mvfr	-	-	0.4	0.7
			7.5YR 5/8 Mottles							
			&							
			10YR 8/3 Calcium Carbonates							

6 Boring # Boring Pit Ground surface elev. 905.00 ft. Depth to limiting factor 30 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ap	0-10	10YR 3/2	N/A	sil	(2)fsbk	mvfr	as	(3)vf	0.6	0.8
B1	10-16	7.5YR 3/4	N/A	siel	(2)fabk	mfr	cw	(2)fm	0.4	0.6
BC	16-30	10YR 4/4	N/A	sil	(2)fabk	mvfr	cw	(1)f	0.6	0.8
C1	30-66	10YR 5/4	(c)1(d)	sil	(1)fp1	mvfr	-	-	0.4	0.6
			7.5YR 5/8 Mottles							
			&							
			10YR 8/3 Calcium Carbonates							

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