

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	WAUKESHA
Parcel ID.	
Reviewed by	Date

Property Owner <u>MIKE SCHULTE</u>	Property Location Gvt. Lot NW, SW <u>1/4 SE 1/4 B 5 T 8 N R 18 E (OFF)</u>
Property Owner's Mailing Address <u>424 N LAKE DR</u>	Lot # Block # Subd. Name or CSMA
City State Zip Code Phone Number <u>OCONOMOC W 53066 (262) 599-9304</u>	<input type="checkbox"/> CV <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road <u>MEEDAN CTN CW</u>

New Construction Use: Residential / Number of Bedrooms _____ Code derived design flow rate _____ GPD

Replacement Public or commercial - Describe: _____

Parent material _____ Flood plain elevation if applicable _____ ft.

General comments and recommendations: PRELIMINARY BORINGS AT HELEN DALEY TRAM

1 Boring # Boring Pit Ground surface elev. 989.5 ft. Depth to limiting factor 2100 ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Sz. Conf. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
A ₀	0-9	10YR 7/3	---	sil	2F2BK	MFR	AS	2F	0.6	0.8
B	9-17	7.5YR 7/4	---	cl	2F2BK	MFR	CW	1F	0.4	0.6
BC	17-27	7.5YR 7/4	---	cl	1F2BK	MFR	AW	1F	0.2	0.3
C	27-100	10YR 6/4	---	gvs	0S6	ML	-	1F	0.7	1.6

2 Boring # Boring Pit Ground surface elev. 986.3 ft. Depth to limiting factor 75 ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Sz. Conf. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
A ₀	0-10	10YR 7/3	---	sil	2F2BK	MFR	AS	2F	0.6	0.8
B	10-38	7.5YR 7/4	---	cl	2F2BK	MFR	CW	1F	0.4	0.6
BC	38-55	7.5YR 7/4	---	CAVCL	1F2BK	MFR	AW	1F	0.2	0.3
C ₁	55-75	10YR 6/4	---	CAVSL	1F2BK	MFR	CW	-	0.4	0.7
C ₂	75-95	10YR 7/4	PIG 5P55	7.5YR 7/3	CBSL	1F2	-	-	0.4	0.6

* Effluent #1 = BOD > 80 ≤ 220 mg/L and TSS > 80 ≤ 150 mg/L * Effluent #2 = BOD ≤ 80 mg/L and TSS ≤ 80 mg/L

CST Name (Please Print) <u>ANN CATALDO</u>	Signature <u>[Signature]</u>	CST Number <u>245389</u>
Address <u>814 W335U HWY 18 J. DANFORD WI 53018</u>	Date Evaluation Conducted <u>4-18-05</u>	Telephone Number <u>262-968-2550</u>

WATER QUALITY DATA REPORT

Property Owner _____ Parcel ID # CTH CW Page 2 of _____

3 Boring # Boring Pit Ground surface elev. 984.3 ft. Depth to limiting factor 52 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
A ₀	0-11	10YR 8/3	—	SL	2F SBK	MRE	AS	2F IM	0.6	0.8
B	11-34	7.5YR 4/4	—	CL	2F SBK	MRE	CW	1F IM	0.4	0.6
BC	34-53	7.5YR 4/4	—	CL	1F SBK	MRE	AW	1F	0.2	0.3
C ₁	53-57	10YR 6/4	—	CL	CSG	MRE	CW	—	0.4	0.6
C ₂	57-67	10YR 6/4	FIF SPOTS 7.5YR 5/8	CL	OM	MRE	—	—	0.2	0.6

4 Boring # Boring Pit Ground surface elev. 981.3 ft. Depth to limiting factor 42 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
A ₀	0-10	10YR 8/3	—	SL	2F SBK	MRE	AS	2F IM	0.6	0.8
B	10-42	7.5YR 4/4	—	CL	2F SBK	MRE	CW	1F IM	0.4	0.6
B _x	42-45	7.5YR 4/4	FIF SPOTS 7.5YR 5/8	CL	1F SBK	MRE	AW	1F	0.2	0.3
C	45-60	10YR 6/4	FIF SPOTS 7.5YR 5/8	SL	1F FL	MRE	—	—	0.4	0.6



5 Boring # Boring Pit Ground surface elev. 985.9 ft. Depth to limiting factor 35 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
A ₀	0-11	10YR 8/3	—	SL	2F SBK	MRE	AS	2F	0.6	0.8
B	11-35	7.5YR 4/4	—	CL	2F SBK	MRE	AW	1F	0.4	0.6
C	35-70	10YR 6/4	FIF SPOTS 7.5YR 5/8	CL	1F FL	MRE	—	1F	0.4	0.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 160 mg/L * Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Property Owner _____

Parcel ID # CTH CW

Page 3 of _____

6 Boring # Boring Pit Ground surface elev. 988.2 ft. Depth to limiting factor 38 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 3/3	—	SL	2FSDK	MER	AS	2E	0.6	0.8
B	12-38	7.5YR 4/4	—	CL	2FSDK	MER	AW	1F	0.4	0.6
C	38-77	10YR 8/4	FIF SPOTS 7.5YR 5/8	GSLL	OM-1FPL	MER	—	1F	0.2	0.5

7 Boring # Boring Pit Ground surface elev. 998.5 ft. Depth to limiting factor 54 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 3/3	—	SL	2FSDK	MER	AS	1F	0.6	0.8
B	12-29	7.5YR 4/4	—	CL	2FSDK	MER	CW	1F	0.4	0.6
Bc	29-44	7.5YR 4/4	—	SCL	1FSDK	MER	AW	1VF	0.2	0.3
C ₁	44-54	10YR 8/4	—	GS	OSG	ML	AW	—	0.7	1.6
C ₂	54-72	5YR 5/3	Pink SPOTS 7.5YR 5/8	L-SIL	1MPW	MER	—	—	0.4	0.6

8 Boring # Boring Pit Ground surface elev. 998.6 ft. Depth to limiting factor 107 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	0-9	10YR 3/3	—	SL	2FSDK	MER	AS	1F	0.6	0.8
B	9-31	7.5YR 4/4	—	CL	2FSDK	MER	CW	1F	0.4	0.6
Bc	31-44	7.5YR 4/4	—	GSC	1FSDK	MER	AW	1VF	0.2	0.3
C	44-107	10YR 8/4	—	GS	OSG	ML	—	—	0.7	1.6

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

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

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Property Owner _____

Parcel ID # CTA CW

Page 4 of _____

Boring # 9 Boring
 Pit Ground surface elev. 1001.4 ft. Depth to limiting factor _____ 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
A ₀	0-12	10YR 7/3	—	sil	2PSBK	MFR	AS	IF	0.6	0.5
B	12-42	7.5YR 4/4	—	cl	2PSBK	MFR	CW	IF	0.4	0.6
BC	42-49	7.5YR 4/4	—	sl	1FSBK	MFR	AW	IVF	0.4	0.7
C	49-110	10YR 7/4	—	GS	OSG	ML	—	—	0.7	1.6

Boring # 10 Boring
 Pit Ground surface elev. 991.0 ft. Depth to limiting factor 52 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
A ₀	0-9	10YR 7/3	—	sil	2FSBK	MFR	AS	IF	0.6	0.5
B	9-31	7.5YR 4/4	—	cl	2PSBK	MFR	CW	IF	0.4	0.6
BC	31-42	7.5YR 4/4	—	GSCL	1FSBK	MFR	AW	IVF	0.2	0.3
C ₁	42-58	10YR 6/4	—	GS	OSG	ML	CW	—	0.7	1.6
C ₂	58-84	10YR 6/4	Pcl spots 7.5YR 5/8	SIL	1FPL	MFR	—	—	0.4	0.6

Boring # 11 Boring
 Pit Ground surface elev. _____ ft. Depth to limiting factor 95 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
A ₀	0-12	10YR 7/3	—	sil	2FSBK	MFR	AS	IF	0.6	0.5
B	12-45	7.5YR 4/4	—	cl	2PSBK	MFR	CW	IF	0.4	0.6
BC	45-52	7.5YR 4/4	—	GSCL	1FSBK	MFR	AW	IVF	0.2	0.3
C ₁	52-95	10YR 6/4	—	GS	OSG	ML	AW	—	0.7	1.6
C ₂	95-106	10YR 6/4	Pcl spots 7.5YR 5/8	SIL	1FPL	MFR	—	—	0.4	0.6

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

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

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Property Owner _____

Parcel ID # CTH CW

Page 5 of _____

12 Boring # Boring Pit Ground surface elev. 934.2 ft. Depth to limiting factor >15 ft.

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	0-11	10YR 2/3	—	SLL	2F5BK	MFR	AS	IF	0.6	0.8
B	11-50	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	50-62	7.5YR 4/4	—	GSCl	1F5BK	MFR	AW	LVF	0.2	0.3
C	62-115	10YR 5/4	—	CVLS	OSG	ML	—	—	0.7	1.0

13 Boring # Boring Pit Ground surface elev. 929.8 ft. Depth to limiting factor >100 ft.

Horizon	Depth ft.	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	0-9	10YR 2/3	—	SLL	2F5BK	MFR	AS	IF	0.6	0.8
B	9-30	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	30-47	7.5YR 4/4	—	GSCl	1F5BK	MFR	AW	LVF	0.2	0.3
C	47-100	10YR 5/4	—	CVS	OSG	ML	—	—	0.7	1.0

14 Boring # Boring Pit Ground surface elev. 937.8 ft. Depth to limiting factor >110 ft.

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	0-11	10YR 2/3	—	SLL	2F5BK	MFR	AS	IF	0.6	0.8
B	11-37	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	37-55	7.5YR 4/4	—	GSCl	1F5BK	MFR	AW	IF	0.2	0.3
C	55-110	10YR 5/4	—	CVLS	OSG	ML	—	—	0.7	1.0

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

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

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Property Owner _____

Parcel ID # CTN CW

Page 6 of _____

Boring
 PIT
 Boring # 15 Ground surface elev. 989.4 ft. Depth to limiting factor 7108 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Conf. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/A	
									*Eff#1	*Eff#2
AP	0-9	10YR 8/3	—	SIL	2FSPK	MER	A1	2F	0.6	0.8
B	9-24	7.5YR 4/4	—	SCL	2FSPK	MER	CW	2F	0.4	0.6
BC	24-40	7.5YR 4/4	—	GSC	1FSPK	MER	AW	2F	0.2	0.3
C	40-108	10YR 6/4	—	GVS	OSG	ML	—	1F	0.7	1.6

Boring
 PIT
 Boring # 01 Ground surface elev. 975.6 ft. Depth to limiting factor 37 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Conf. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/A	
									*Eff#1	*Eff#2
AP	0-13	10YR 8/3	—	SIL	2FSPK	MER	A1	2F	0.6	0.8
B	13-39	7.5YR 4/4	—	CL	2FSPK	MER	CW	1F	0.4	0.6
BC	39-51	7.5YR 4/4	Red spots 7.5YR 5/8	SCL	1FSPK	MER	AW	1F	0.2	0.3
C1	51-101	10YR 5/4	Red spots 7.5YR 5/8	GSL	OM-1FA	MER	CW	—	0.2	0.6
C2	101-108	10YR 6/4	—	GVS	OSG	ML	CW	—	0.0	0.0
C3	108-120	10YR 5/4	Red spots 7.5YR 5/8	GSL	OM	MER	—	—	0.2	0.6

Boring
 PIT
 Boring # 02 Ground surface elev. 981.5 ft. Depth to limiting factor >120 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Conf. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/A	
									*Eff#1	*Eff#2
AP	0-10	10YR 8/3	—	SIL	2FSPK	MER	A1	2F	0.6	0.8
B	10-31	7.5YR 4/4	—	CL	2FSPK	MER	CW	1F	0.4	0.6
BC	31-47	7.5YR 4/4	—	GSC	1FSPK	MER	AW	1F	0.2	0.3
C	47-120	10YR 6/4	—	GS	OSG	ML	—	—	0.7	1.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 160 mg/L

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

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.