

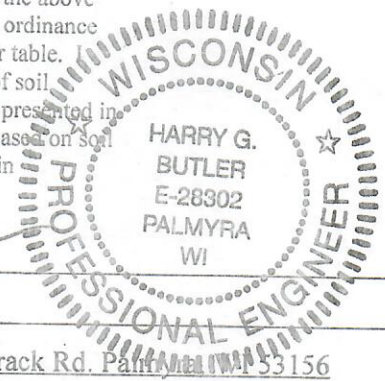
Form A – Seasonal High Groundwater Determination Report

Project: XXXXXXXXXX

Date: 9/20/24

Project Location (PLS/CSM#): Lot 6 – Hasslingers Plat #2: NW1/4, S29, T8N, R18E

The following table summarizes my interpretation of the soil profile evaluations conducted on the above named site. The purpose of this report is to demonstrate compliance with a Waukesha County ordinance requirement to maintain basement floor elevations at least 1 foot above the seasonal high water table. I understand that the definition for seasonal high water table means the upper limit of the zone of soil saturation caused by underlying groundwater at its highest level. I certify that the information presented in this report represents my best professional judgement in estimating seasonal high water table based on soil and site evaluations in accordance with the procedures contained in Chapter SPS 385 Wisconsin Administrative Code.



Interpreter's Signature: _____

[Handwritten Signature]

Interpreter's Printed Name/Credentials/Lic.#: Harry Butler, P.E. 222742

Interpreter's Company Name/Address: Butler Engineering, Inc. N679 Tamarack Rd. Palmyra, WI 53156

Site Benchmark/Elevation (Co. Stds.): BM ~~100.0~~ ^{911.4} – Top of 1 1/4" Iron pipe, SE Lot corner (See Map)

References: 1) Soil Report – SBD-8330 (R.07/00) 2) Waukesha County Soils Map

Lot #	Soil Observ. (#)	Surface Elev.	Bottom Elev. Of Soil Profile	Soil Map Unit Symbol (NRCS)	Elevation of Seasonal High Water Table	Proposed Basement Floor Elevation	Depth to Seasonal High Water Table (feet)	Notes:
6	B1	96.0 907.4	86.0 897.4	CrF	< 86.0 < 897.4	> 87.0 > 898.4	10.0	Seasonal High Groundwater tends to follow contour of land.

[Handwritten initials]
12/3/24

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)).

County: <u>Waukesha</u>	
Parcel ID: <u>MRTT0405008</u>	
Reviewed by:	Date:

Property Owner <u>[Redacted]</u>		Property Location <u>NW1/4, S29, T8N, R18E</u>		
Property Owner's Mailing Address <u>[Redacted]</u>		Lot # <u>6</u>	Block#	Subd. Name or CSM# <u>Hasslingers Plat #2</u>
City <u>[Redacted]</u>	State <u>[Redacted]</u>	Zip Code <u>[Redacted]</u>	Phone Number <u>[Redacted]</u>	Municipality: <u>City of Delafield</u>
Nearest Road: <u>Hasslinger Dr.</u>		Code derived design flow rate: <u>450 GPD</u>		
<input type="checkbox"/> New Construction	Use: <input type="checkbox"/> Residential/Number of Bedrooms: <u>3</u>			
<input type="checkbox"/> Replacement	<input type="checkbox"/> Public or Commercial - Describe: _____			
Parent Material: _____				
General Comments & Recommendations:				

B1	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface Elev.: <u>907.4</u> <u>96.0</u> ft.	Depth to Limiting Factor: <u>>120</u> in.
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Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2
1	0 - 6	7.5YR 3/2	Fill	sl	2vfsbk	mfr	cs	1vf	0.6	0.8
2	6 - 12		1/8" TB	grsil						
3	12 - 36	7.5YR 4/4	none	cl	2msbl	dvh	cw	2vf	0.4	0.6
4	36 - 48	7.5YR 4/4	none	grcl	1msbk	dvh	cw	1vf	0.2	0.3
5	48 - 120	7.5 YR 6/4	none	grs	0sg	dl			0.7	1.6

B2	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface Elev.: <u>906.8</u> <u>95.4</u> ft.	Depth to Limiting Factor: <u>>108</u> in.
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Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2
1	0 - 12	7.5YR 3/2	none	sil	2vfsbk	dsh	cs	1vf	0.6	0.8
2	12 - 48	7.5YR 4/4	none	cl	2fsbk	dvh	cs	1vf	0.4	0.6
3	48 - 60	7.5YR4/4	none	grcl	1fsbl	dvh	cw	1vf	0.2	0.3
4	60 - 108	7.5YR 6/4	none	grs	1fsbk	dl			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) Harry Butler	Signature 	CST Number 222742
Address N679 Tamarack Rd. Palmyra, WI 53156	Date Evaluation Conducted 9/20/2024	Telephone Number (262) 650 - 2000

County: Waukesha
 Parcel ID: MRTT0405008

B3 Boring # Boring Pit
 Ground Surface Elev.: 905.8 ft.
 Depth to Limiting Factor: 118 in.

Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2
1	0 - 12	7.5YR 3/2	none	sil	2vfsbk	dsh	cs	1vf	0.6	0.8
2	12 - 26	7.5YR 4/4	none	cl	2fsbk	dvh	cs	1vf	0.4	0.6
3	26 - 40	7.5YR4/4	none	grcl	1fsbl	dvh	cw	1vf	0.2	0.3
4	40 - 118	7.5YR 6/4	none	grs	1fsbk	dl			0.7	1.6

Boring # Boring Pit
 Ground Surface Elev.: _____ ft.
 Depth to Limiting Factor: _____ in.

Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2

Boring # Boring Pit
 Ground Surface Elev.: _____ ft.
 Depth to Limiting Factor: _____ in.

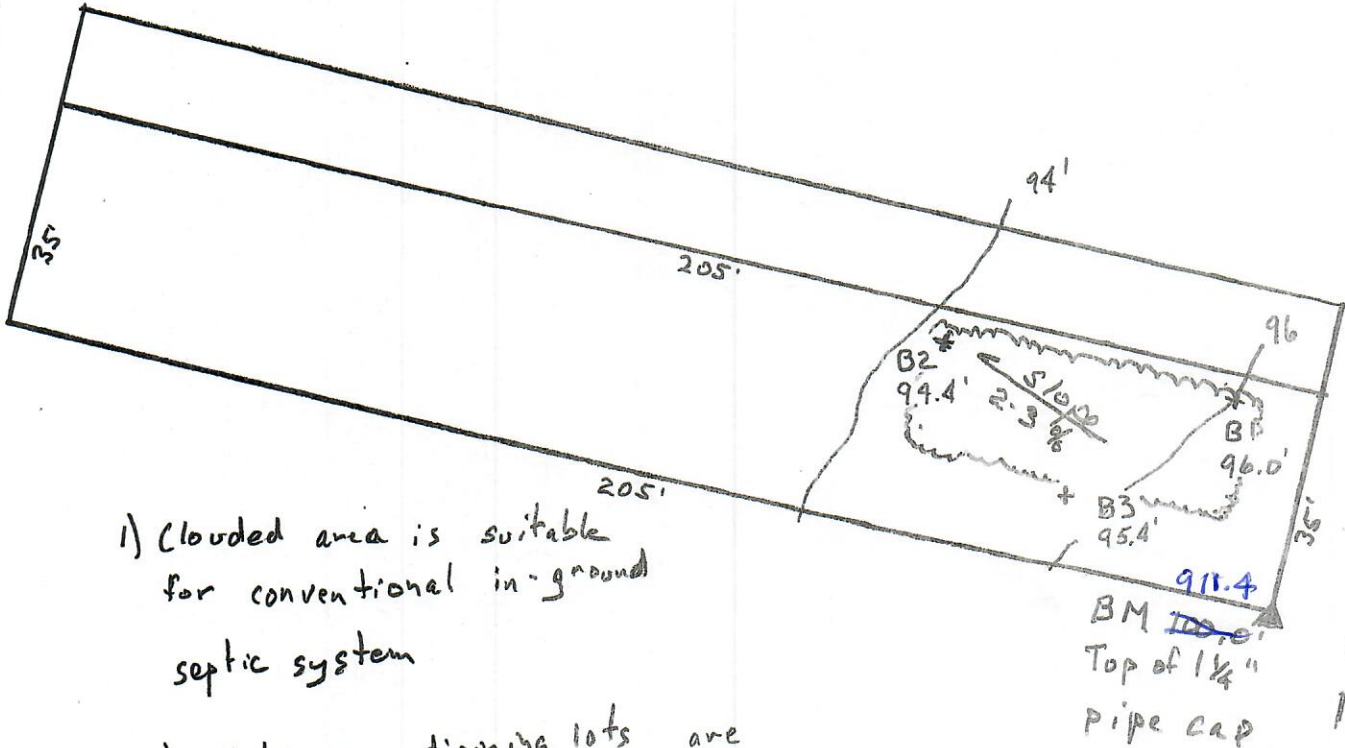
Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2

*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



Moose Lake



- 1) Clouded area is suitable for conventional in-ground septic system
- 2) Wells on adjoining lots are greater than 50' from suitable area.

W330 N6304 Hasslinger Dr.	
Town of Merton, Waukesha Co..	
Drawn By: Harry Butler P.E.	
Scale: 1" = 30'	Date: 9/2/24



MAP WAUKESHA COUNTY

Waukesha County GIS Map



Legend

- Soils
- Intermediate Contours
- Intermediate Contour
- Intermediate Depression
- Index Contours
- Index Contour
- Index Depression
- Municipal Boundary_2K
- Parcel_Dimension_2K
- Note_Text_2K
- Lots_2K
- Lot
- Unit
- General Common Element
- Outlot
- SimultaneousConveyance
- Assessor Plat
- CSM
- Condominium
- Subdivision
- Cartoline_2K
- EA-Easement_Line
- PL-DA
- PL-Extended_Tie_line
- PL-Meander_Line
- PL-Note
- PL-Tie
- PL-Tie_Line
- <all other values>
- Railroad_2K

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Notes:

Printed: 9/30/2024

