

Form A - Seasonal High Groundwater Determination Report

Project/Plat Name: Lot 16 - Autumn Run

Date: 4/27/2026

Project Location (PLS/CSM#): E/2, SE1/4, S16, T5N, R18E

The following table summarizes my interpretation of the soil profile evaluations conducted on the above noted 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 judgment 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.

Interpreters Signature: _____

Morgan Butler

Interpreters Printed Name/Credentials/Lic. #: Morgan Butler IV / CST / 1357852

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

Site Benchmark/Elevation (Co. Stds.): PLSS 1/4Sec. Corner - Conc. Monu. w/ Brass Cap at Intersection of CTH "I" & Section Rd / 992.4

References: 1) Soil Report - SBD-8330 (R.04/15) 2) Waukesha County Soils Map

Lot #	Soil Observ. (#)	Surface Elev. (NGVD29)	Bottom Elev. of Soil Profile	Soil Map Unit Symbol (NRCS)	Elevation of Seasonal High Water Table	Depth to Seasonal High Water Table (Feet)	Proposed Basement Floor Elevation	Notes: List information used to determine seasonal high water table, including any soil color pattern exemptions under SPS 385.30(3) for a basement floor proposed less than 1-foot above redoximorphic features shown in the referenced soil evaluation reports.
16	16-A	990.6	981.6	MXB	≤981.6	≥9.0	≥982.6	Few fine faint high chroma mottles in unstructured, well-drained Miami Sandy loam can be disregarded as an indicator of seasonal high groundwater.
								Site topography is conducive to the use of an engineered drain to daylight.

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: Waukesha	
Parcel ID: MUKT1936999003	
Reviewed by:	Date:

Property Owner C/O Ryans Buying LLC				Property Location E 1/2, SE 1/4, S16, T5N, R18E			
Property Owner's Mailing Address PO Box 277				Lot # Prop. 16	Block#	Subd. Name or CSM# Autumn Run	
City Eagle	State WI	Zip Code 53119	Phone Number	Municipality: Town of Mukwonago		Nearest Road: County Road "I"	
<input checked="" type="checkbox"/> New Construction		Use: <input checked="" type="checkbox"/> Residential/Number of Bedrooms: _____		Code derived design flow rate: _____ GPD			
<input type="checkbox"/> Replacement		<input type="checkbox"/> Public or Commercial - Describe: _____					
Parent Material: _____							
General Comments & Recommendations:							

B16-A	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface Elev.: <u>990.6</u> ft.	Depth to Limiting Factor: <u>30</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
A	0 - 8	7.5YR 3/2	-	SL	2vfsbk	mfr	cs	2vf	0.6	1.0
B	8 - 18	7.5YR 4/4	-	SCL	2fsbk	mfr	gs	1vf	0.4	0.6
C	18 - 30	7..5YR 5/4	-	grSL	1fsbk	mfr	cw	1vf	0.4	0.7
C2	30 - 60	7.5YR 5/4	c1f 10YR 5/8	grLS	0sg	ml	cw	-	0.7	1.6
C3	60 - 108	10YR 6/4	f1f 10YR 5/8	grSL	0m	mfr	-	-	0.2	0.6

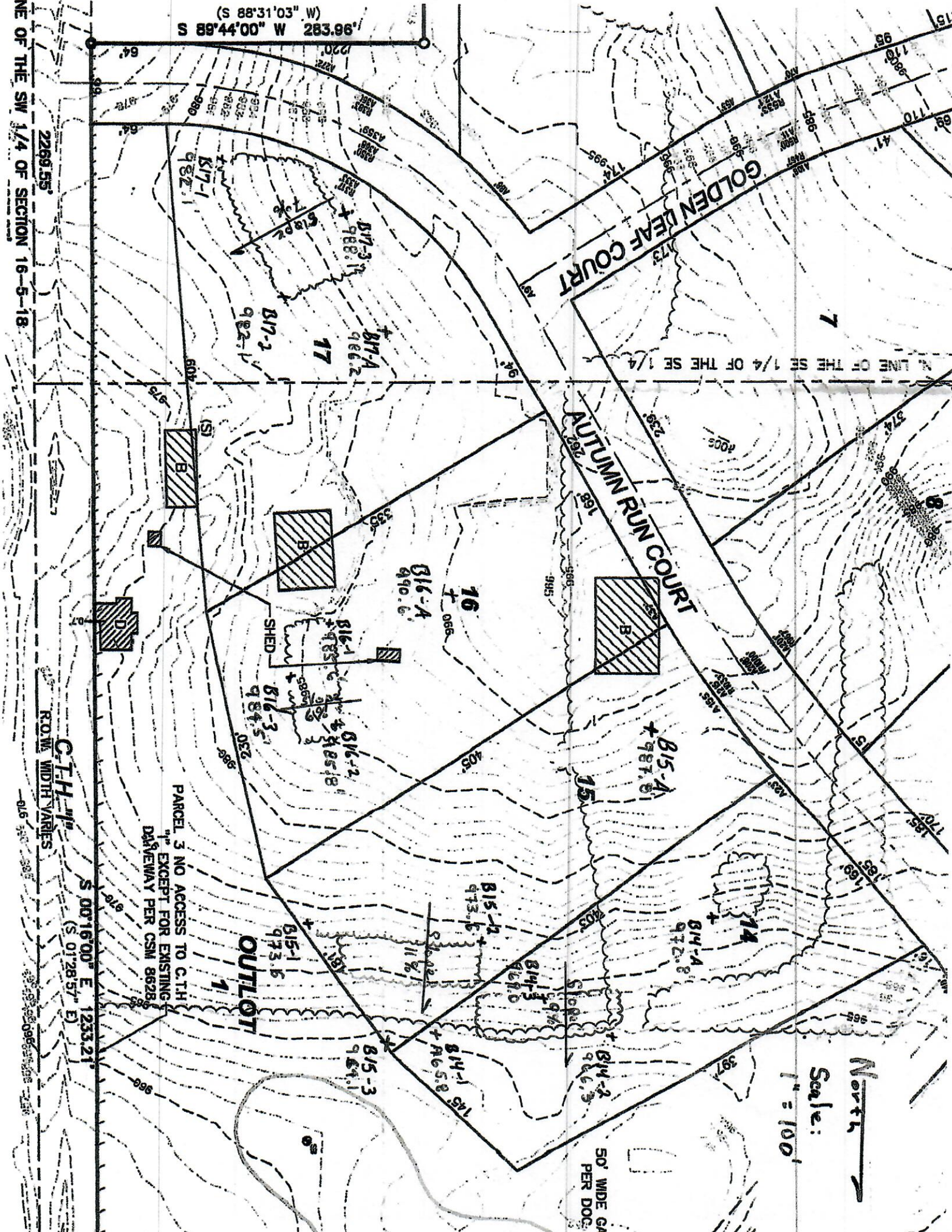
	Boring #	<input type="checkbox"/> Boring <input type="checkbox"/> Pit	Ground Surface Elev.: _____ ft.	Depth to Limiting Factor: _____ in.
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Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. ²	
									*Eff#1	*Eff#2

*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) Morgan Butler IV	Signature 	CST Number 1357852; SP-071600003
Address N679 Tamarack Road, Palmyra, WI 53156	Date Evaluation Conducted 4/27/2026	Telephone Number (262) 844-2207





Waukesha Co. Soils Map



SEWRPC, Waukesha County Land Information Office



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Legend

- Site Address
- Site Address Units
- Tax Parcels
- Assessor Plat
- Assessor
- CSM
- CSM
- Condominium
- Condomi
- Subdivision
- Subdivisi
- Points of Interest
- Soils
- Soil Classification
- DNR Wetlands Less Than 1%
- DNR Wetlands Greater
- Index Contour
- Index
- Index Depression
- Inde
- Intermediate Contour
- Intermediate Depression
- RGB

Notes

Printed Date: 4/24/2026 4:10 PM
Page 4 of 4