

### 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: <b>Waukesha</b>	
Parcel ID: <b>MV 0262038</b>	
Reviewed by:	Date:

Property Owner <b>Chip Halquist</b>				Property Location <b>E1/2, NW1/4, S30, T8N, R19E</b>			
Property Owner's Mailing Address <b>8546 E Country Club Trail</b>				Lot # <b>34</b>	Block#	Subd. Name or CSM# <b>Stone Ridge II</b>	
City <b>Scottsdale</b>	State <b>AZ</b>	Zip Code <b>85255</b>	Phone Number <b>602.369.8266</b>	Municipality: <b>Village of Merton</b>		Nearest Road: <b>Alecen Court</b>	
<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: _____ Borings observed by Lance Brow, Waukesha County Environmental Health. Tested				General Comments & Recommendations: <b>area was found suitable for a mound system. LF: 24", LR: 0.4/0.6 gpdfs</b>			

<b>B1</b>	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface Elev.: <u>1033.1</u> ft.	Depth to Limiting Factor: <u>24</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. <sup>2</sup>	
									*Eff#1	*Eff#2
A	0 - 12	7.5YR 3/2	-	SiL	2vfsbk	mfr	cw	2vf	0.6	0.8
B	12 - 24	7.5YR 5/4	-	SiCL	2fsbk	mfr	cw	1vf	0.4	0.6
BC	24 - 36	7.5YR 3/4	f1f 10YR 5/8, 6/2	gr SiCL	1fsbk	mfr	gw	1vf	0.2	0.3
C	36 - 50	7.5YR 6/4	c1f 10YR 5/8, 6/2	gr SL	1fsbk	mfr	-	1vf	0.4	0.7
			Roots to 46"							

<b>B2</b>	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground Surface Elev.: <u>1042.2</u> ft.	Depth to Limiting Factor: <u>35</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. <sup>2</sup>	
									*Eff#1	*Eff#2
A	0 - 19	7.5YR 3/2	-	SiL	2vfsbk	mfr	cw	2vf	0.6	0.8
B	19 - 35	7.5YR 3/4	-	SiCL	2fsbk	mfr	cw	1vf	0.4	0.6
BC	35 - 43	7.5YR 3/4	f1f 10YR 5/8, 6/2	gr SiCL	1fsbk	mfr	gw	1vf	0.2	0.3
C	43 - 55	7.5YR 6/4	c1f 10YR 5/8, 6/2	gr SL	1fsbk	mfr	-	1vf	0.4	0.7
			Roots to 46"							

\*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) <b>Morgan Butler IV</b>	Signature <i>Morgan Butler IV</i>	CST Number <b>1357852</b>
Address <b>N679 Tamarack Rd. Palmyra, WI 53156</b>	Date Evaluation Conducted <b>3/4/2024</b>	Telephone Number <b>(262) 650 - 2000</b>

County: Waukesha  
 Parcel ID: MV 0262038

**B3** Boring #  Boring  Pit  
 Ground Surface Elev.: 1040.1 ft.  
 Depth to Limiting Factor: 24 in.

Horizon	Depth (In.)	Dominant Color	Redox Description (Qu.Az.Cont.Color)	Texture	Structure (Gr. Sz. Sh.)	Consistence	Boundary	Roots	GPD/Ft. <sup>2</sup>	
									*Eff#1	*Eff#2
A	0 - 16	7.5YR 3/2	-	SiL	2vfsbk	mfr	cw	2vf	0.6	0.8
B	16 - 24	7.5YR 3/4	-	SiCL	2fsbk	mfr	cw	1vf	0.4	0.6
BC	24 - 40	7.5YR 3/4	f1f 10YR 5/8, 6/2	gr SiCL	1fsbk	mfr	gw	1vf	0.2	0.3
C	40 - 55	7.5YR 6/4	c1f 10YR 5/8, 6/2	gr SL	1fsbk	mfr	-	1vf	0.4	0.7
			Roots to 40"							

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. <sup>2</sup>	
									*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. <sup>2</sup>	
									*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





30  
31  
456.7'  
BM - 1031.94  
Top of Iron Rod

B2  
1042.2

B3  
1040.1

Suitable Mound Area

Drainage Easement

B1  
1033.1

619.30'

Lot 34 of Stone Ridge of Merton II  
Village of Merton, Waukesha County  
Drawn by: Morgan Butler  
Date: 3/4/2024      Scale: 1" = 60'

32

Drainage Easement

Graded / Disturbed Soils

25'

190.4'

33

54.89'

225.45'

35

BM - 1042.1  
SE Corner of Pad  
Electrical Ped. 22-U-15061

Edge of Pavement

Alecen Court

