



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 Washington			
Parcel I.D. V10 079900L			
Reviewed by	Date		
Property Owner W Fields LLC C/O JBJ Companies INC	Property Location Govt. Lot 1/4 1/4 S 20 T 9 N R 19 E (or) W		
Property Owner's Mailing Address W178N9912 Rivercrest Dr #101	Site Address or CSM and Lot #: The Oaks Lot 17		
City, State, Zip Germantown, WI 53022	Phone Number ()	☐ City ☒ Village ☐ Town Richfield	Nearest Road Elmwood Rd

☒ New Construction Use: ☒ Residential / Number of bedrooms 4	Code derived designflow rate 600 GPD
☐ Replacement ☐ Public or commercial - Describe:	Flood Plan elevation if applicable ft.
Parent material Loess over glacial till	
General comments and recommendations: Site is suitable for an At-Grade system. Additional borings completed to extend suitable area after changes to proposed plat. New Lot 17, formerly Lot 27	

1010 Boring #	☐ Boring ☒ Pit	Ground surface elev. 1131.15 ft.	Depth to limiting factor 50 in. / elev. ft.
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Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2
1	0-9	10yr 3/3	-	sil	2fsbk	mfr	cs	2f	0.6	0.8
2	9-16	10yr 4/4	-	cl	2fsbk	mfr	cs	1f	0.4	0.6
3	16-36	10yr 4/4	-	grscl	1fsbk	mfr	cs	1vf	0.2	0.3
4	36-50	10yr 6/4	-	grs	0sg	ml	cs	-	0.7	1.6
5	50-70	10yr 6/4	f1f 10yr 6/8	grsl	0m	-	-	-	0.2	0.6

Boring #	☐ Boring ☐ Pit	Ground surface elev. ft.	Depth to limiting factor in. / elev. ft.
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Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2

CST Name (Please Print) Tanner Schmidt (Lietzau Inc)	Signature <i>Tanner Schmidt</i>	CST Number 1485893
Address PO Box 121 Colgate, WI 53017	Date Evaluation Conducted 11/11/2024	Telephone Number (262) 355-5131

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

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

1005 Boring #

☐ Boring
☒ Pit

Ground surface elev. 1136.15 ft.

Depth to limiting factor 24 in. / elev. _____ ft.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2
1	0-6	10yr 3/3	-	sil	2fsbk	mfr	cs	2f	0.6	0.8
2	6-13	10yr 4/4	-	grcl	2fsbk	mfr	cs	1f	0.4	0.6
3	13-24	10yr 6/4	-	grsl	1fsbk	mfr	gs	1vf	0.4	0.7
4	24-55	10yr 6/4	f1f 10yr 6/8	grsl	1fsbk	mvfr	-	-	0.4	0.7

Boring #

☐ Boring
☐ Pit

Ground surface elev. _____ ft.

Depth to limiting factor _____ in. / elev. _____ ft.

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

Boring #

☐ Boring
☐ Pit

Ground surface elev. _____ ft.

Depth to limiting factor _____ in. / elev. _____ ft.

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

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

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

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.

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County:
WASHINGTON

Parcel I.D.:

Reviewed by:

Js

Date:

12/14/22

Property Owner: JBJ DEVELOPMENT				Property Location: Govt. Lot $\frac{1}{4}$ $\frac{1}{4}$ S 20 T 9 N - R 19 E (or) W			
Property Owner's Mailing Address: W178 N9912 RIVERCREST DRIVE				Lot # 29 17 Block # Subd. Name or CSM # THE OAKS			
City: GERMANTOWN	State: WI	Zip Code: 54204	Phone Number: () -	City: ☐ Village: ☐ Town: ☒ RICHFIELD		Nearest Road: EDGEWOOD COURT BAMBI ROAD	
☒ New Construction		Use ☒ Residential / Number of bedrooms: 4		Code derived design flow rate: 600 GPD			
☐ Replacement		☐ Public or commercial - Describe:					
Parent material: GLACIAL TILL				Flood Plain elevation if applicable: N/A ft.			
General comments and recommendations: Suitable for an at-grade system							

1 Boring # ☐ Boring ☒ Pit Ground surface elev. 1136.4 ft. Depth to limiting factor 36 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-9	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
Bt1	9-13	10 YR 5/4		SiCL	2 m abk	mfi	cs	2f	.4	.6
2Bt2	13-24	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	1vf	.4	.6
2BC	24-36	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6
2C	36-74	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

2 Boring # ☐ Boring ☒ Pit Ground surface elev. 1136.2 ft. Depth to limiting factor 41 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-9	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
Bt1	9-15	10 YR 5/4		SiCL	2 m abk	mfi	cs	2f	.4	.6
Bt2	15-20	10 YR 4/4		CL	2 f-m abk	mfi	gw	1vf	.4	.6
2 Bt3	20-41	10 YR 4/4		gr CL	2 f abk	mfi	cw	--	.4	.6
2C	41-60	10 YR 6/4	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

* 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): David B. LaBott(Baudhuin Inc.)	Signature: 	CST Number: 71449
Address: 55 South Third Ave. Sturgeon Bay, WI 54235		Telephone Number: (920) 743 - 8211
Date Evaluation Conducted: 11-24-03 & 4-28-04		

☐ Boring
☒ Pit Boring # 3 Ground surface elev. 1132.1 ft. Depth to limiting factor 36 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-9	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
2Bt	9-24	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	lvf	.4	.6
2BC	24-36	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6 .7
2C	36-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

☐ Boring
☒ Pit Boring # 4 Ground surface elev. 1134.1 ft. Depth to limiting factor 36 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-9	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
Bt1	9-13	10 YR 5/4		SiCL	2 m abk	mfi	cs	2f	.4	.6
2Bt2	13-24	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	lvf	.4	.6
2BC	24-36	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6 .7
2C	36-74	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

☐ Boring
☒ Pit Boring # 5 Ground surface elev. 1124.9 ft. Depth to limiting factor 36 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-7	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
Bt1	7-19	10 YR 5/4		SiCL	2 m abk	mfi	cs	2f	.4	.6
2Bt2	19-36	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	lvf	.4	.6
2C	36-74	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

* 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 #: 17

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6 Boring # ☐ Boring ☒ Pit Ground surface elev. 1130.5 ft. Depth to limiting factor 43 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-10	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
BE	10-14	10 YR 5/3		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
Bt1	14-24	10 YR 5/4		CL	2 m abk	mfi	cs	2f	.4	.6
2Bt2	24-32	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	1vf	.4	.6
2BC	32-43	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6 .7
2C	43-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

7 Boring # ☐ Boring ☐ Pit Ground surface elev. ft. Depth to limiting factor in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2

8 Boring # ☐ Boring ☐ Pit Ground surface elev. ft. Depth to limiting factor in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2

* Effluent # 1 = BOD₅>30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L* Effluent # 2 = BOD₅≤ 30 mg/L and TSS ≤ 30 mg/L

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Property Owner:

Parcel ID #: LOT ~~28~~ 17

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3 Boring # ☐ Boring ☒ Pit Ground surface elev. 1142.1 ft. Depth to limiting factor 44 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-7	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
2Bt	7-22	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	1vf	.4	.6
2BC	22-44	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6
2C	44-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

28-4 Boring # ☐ Boring ☒ Pit Ground surface elev. 1140.0 ft. Depth to limiting factor 42 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-8	10 YR 3/2		L	2 f-m gr	mvfr	as	3f-1m	.6	.8
2BC	8-14	10 YR 5/4		gr SL	2 f-m abk	mfi	gw	1vf	.6	1.0
2C1	14-42	10 YR 6/4		gr SL	1 f abk	mfr	cw	--	.4	.6
2C2	42-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

5 Boring # ☐ Boring ☐ Pit Ground surface elev. ft. Depth to limiting factor in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2

* Effluent # 1 = BOD₅>30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L* Effluent # 2 = BOD₅≤ 30 mg/L and TSS ≤ 30 mg/L

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3 Boring # ☐ Boring ☒ Pit Ground surface elev. 1142.1 ft. Depth to limiting factor 44 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-7	10 YR 3/2		SiL	2 f-m gr	mvfr	as	3f-1m	.6	.8
2Bt	7-22	10 YR 3/4-4		gr CL	2 f-m abk	mfi	gw	1vf	.4	.6
2BC	22-44	10 YR 5/4		gr SL	1 f abk	mfr	cw	--	.4	.6
2C	44-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

28 - 4 Boring # ☐ Boring ☒ Pit Ground surface elev. 1140.0 ft. Depth to limiting factor 42 in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2
Ap	0-8	10 YR 3/2		L	2 f-m gr	mvfr	as	3f-1m	.6	.8
2BC	8-14	10 YR 5/4		gr SL	2 f-m abk	mfi	gw	1vf	.6	1.0
2C1	14-42	10 YR 6/4		gr SL	1 f abk	mfr	cw	--	.4	.6
2C2	42-60	10 YR 6/2-3	c2d 10 YR 5/8	gr SL/L	0m	mfr	--	--	.2	.5

5 Boring # ☐ Boring ☐ Pit Ground surface elev. ft. Depth to limiting factor in. Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft ²	
									Eff#1	Eff#2

* Effluent # 1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L* Effluent # 2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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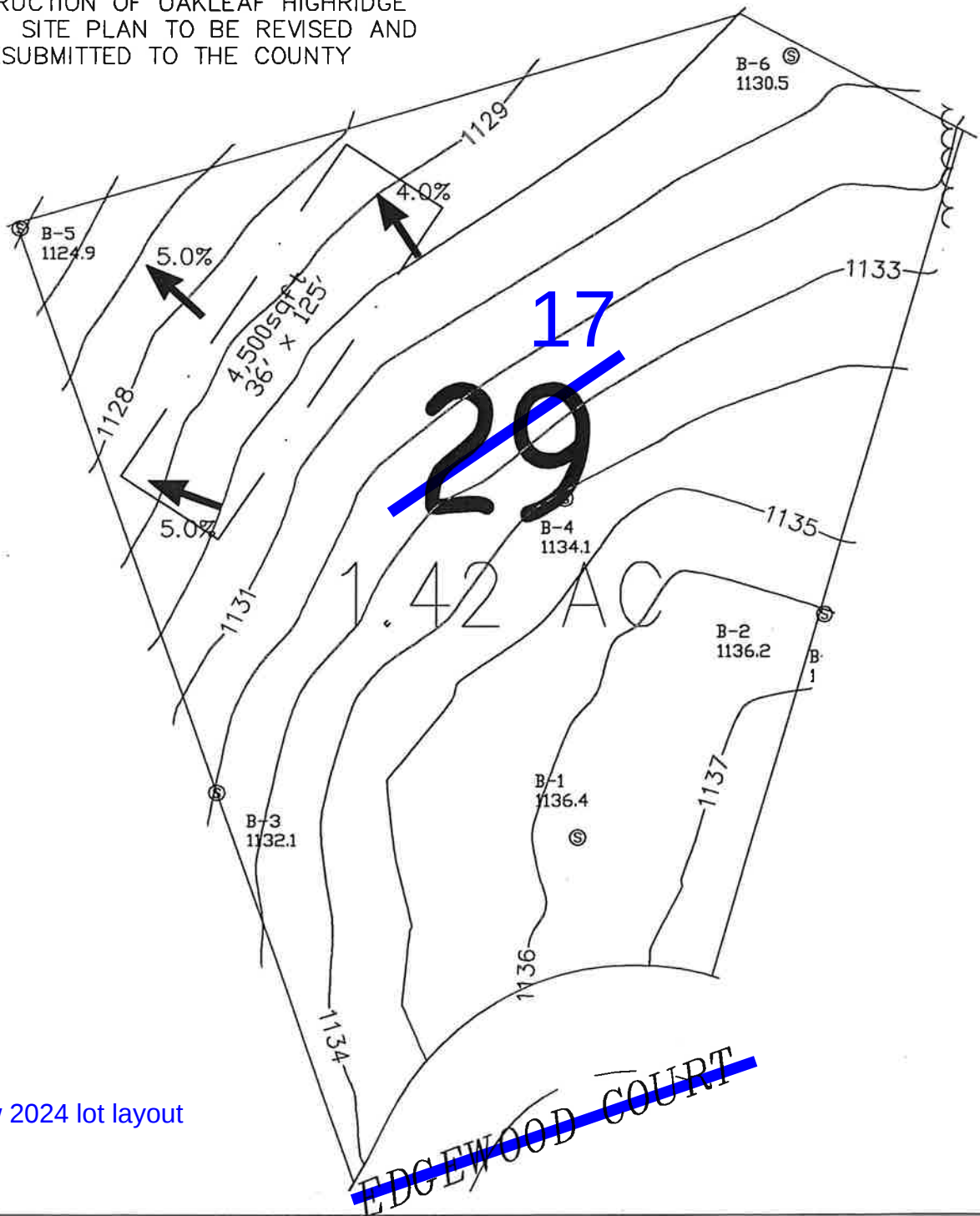


SITE PLAN *THE OAKS*

SECTION 20 T.9 N., R.9 E.
TOWN OF RICHFIELD, WASHINGTON COUNTY

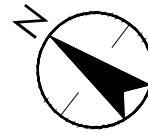
PREPARED FOR:
JBJ DEVELOPMENT:
W178 N9912 RIVERCREST DR
GERMANTOWN, WI
53022

*** BENCHMARKS TO BE SET AFTER
CONSTRUCTION OF OAKLEAF HIGHRIDGE
COURT. SITE PLAN TO BE REVISED AND
RESUBMITTED TO THE COUNTY

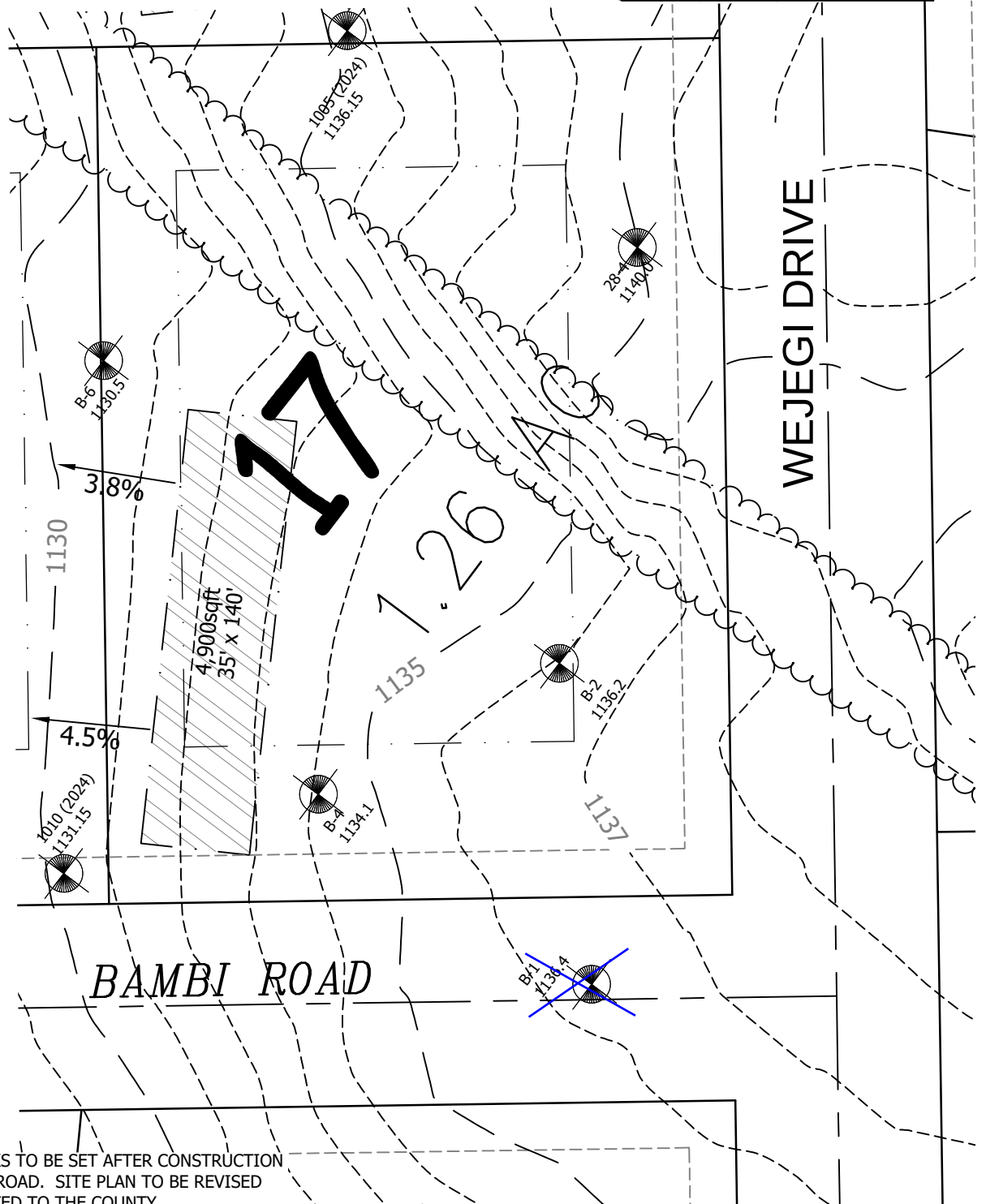


**See new 2024 lot layout

W178 N9912 RIVERCREST DRIVE, SUITE 101
GERMANTOWN, WI 53022-4645



0 50' 100'



Stantec

The Oak's At Schmitt Farms Septic Soil Investigation

SHEET