Wisconsin Department of Safety and Professional Service
Division of Industry Services

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 I.D.	BBV 2112998004
Reviewed by	Date

Property Owner: Castle View LLC				Property Location: Govt. Lot NW ¼ SE¼ S 24 T 5 N R 19			☒ E (or) ☐ W
Property Owner's Mailing Address: W229S9060 Clark Street				Lot #: 2	Block #:	Subd. Name or CSM#:	
City: Big Bend	State: WI	Zip Code: 53103	Phone Number: ( )	☐City: -----	☒Village: Big Bend	☐Town: -----	Nearest Road: Henneberry Ave

☒New Construction Use: ☒ Residential / Number of bedrooms: Unknown Code derived design flow rate ___ GPD

☐Replacement ☐ Public or commercial – Describe: _____

Parent material Glacial Till Flood Plan elevation if applicable ___ ft.

General comments and recommendations:
ISD-Fill Lot 2

Site Suitable For:
☒ Conventional
☐At-Grade
☒Mound
☐ Holding Tank
☐

1 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/Ft² *Eff#1	*Eff#2

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/Ft² *Eff#1	*Eff#2

CST Name (Please Print): Logan Mohr	Logan Mohr ORIGINAL Signature	CST Number: 1410637
Address: W4644 Pine Creek Drive Elkhorn WI 53121	Date Evaluation Conducted: 11/6/2025	Telephone Number: 262 495 7004

* 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

27 Boring # ☐Boring ☒ Pit Ground surface elev. 796.06 ft. Depth to limiting factor 15 in. / elev. 794.81 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/Ft²	
									*Eff#1	*Eff#2
1	0-15	10yr2/1	----------	SiL	2fsbk	Mfr	CS	2F	0.6	0.8
2	15-42	10yr5/4	c2d10yr 5/6 6/8	GrSL	1fsbk	Mvfr	GW	1VF	0.4	0.7
3	42-72	10yr6/1	Gleyed	GrMS	0sg	ML	---------	------	0.7	1.6
			H20 @ 48"							

28 Boring # ☐Boring ☒Pit Ground surface elev. 809.11 ft Depth to limiting factor 30 in. / elev. 806.61 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/Ft²	
									*Eff#1	*Eff#2
1	0-17 Fill	10yr3/3	----------	GrSL	2fsbk	Mfr	CS	2F	0.6	1.0
2	17-22	10yr3/2	----------	L	2fsbk	Mfr	CS	1F	0.6	0.8
3	22-30	10yr4/4	----------	SCL	2msbk	Mfr	CS	1VF	0.4	0.6
4	30-36	10yr4/4	f2f10yr5/6	SCL	1fsbk	Mfr	GW	------	0.2	0.3
5	36-55	10yr5/4	c2d10yr 5/6 6/8	GrLS	0sg	Mvfr	---------	------	0.7	1.6

29 Boring # ☐Boring ☒Pit Ground surface elev. 808.41 ft. Depth to limiting factor 18 in. / elev. 806.91 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/Ft²	
									*Eff#1	*Eff#2
1	0-14	10yr3/2	----------	L	2fsbk	Mfr	CS	2F	0.6	0.8
2	14-18	10yr4/4	----------	SCL	2fsbk	Mfr	CS	1F	0.4	0.6
3	18-26	10yr5/4	f2f10yr5/6	SCL	1fsbk	Mfr	CS	1VF	0.2	0.3
4	26-35	10yr5/4	c2d10yr 5/6 6/8	SCL	1fsbk	Mfr	---------	------	0.2	0.3

* 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 Boring #

☐Boring
☒ Pit

Ground surface elev. 806.81 ft.

Depth to limiting factor 17 in. / elev. 805.4 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/Ft²	
									*Eff#1	*Eff#2
1	0-12	10yr3/2	----------	L	2fsbk	Mfr	CS	2F	0.6	0.8
2	12-17	10yr4/4	----------	SCL	2fsbk	Mfr	CS	1F	0.4	0.6
3	17-26	10yr5/4	f2f10yr5/6	SCL	1fsbk	Mfr	GW	1VF	0.2	0.3
4	26-32	10yr5/2	c2d10yr 5/6 6/8	GrLS	0sg	Mvfr	-------	-----	0.7	1.6

31 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/Ft²	
									*Eff#1	*Eff#2

32 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/Ft²	
									*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

Associates Septic Services and Associates Soil Testing

ORIGINAL

ASSOCIATES SOIL TESTING, INC.
Logan Mohr
14106.17

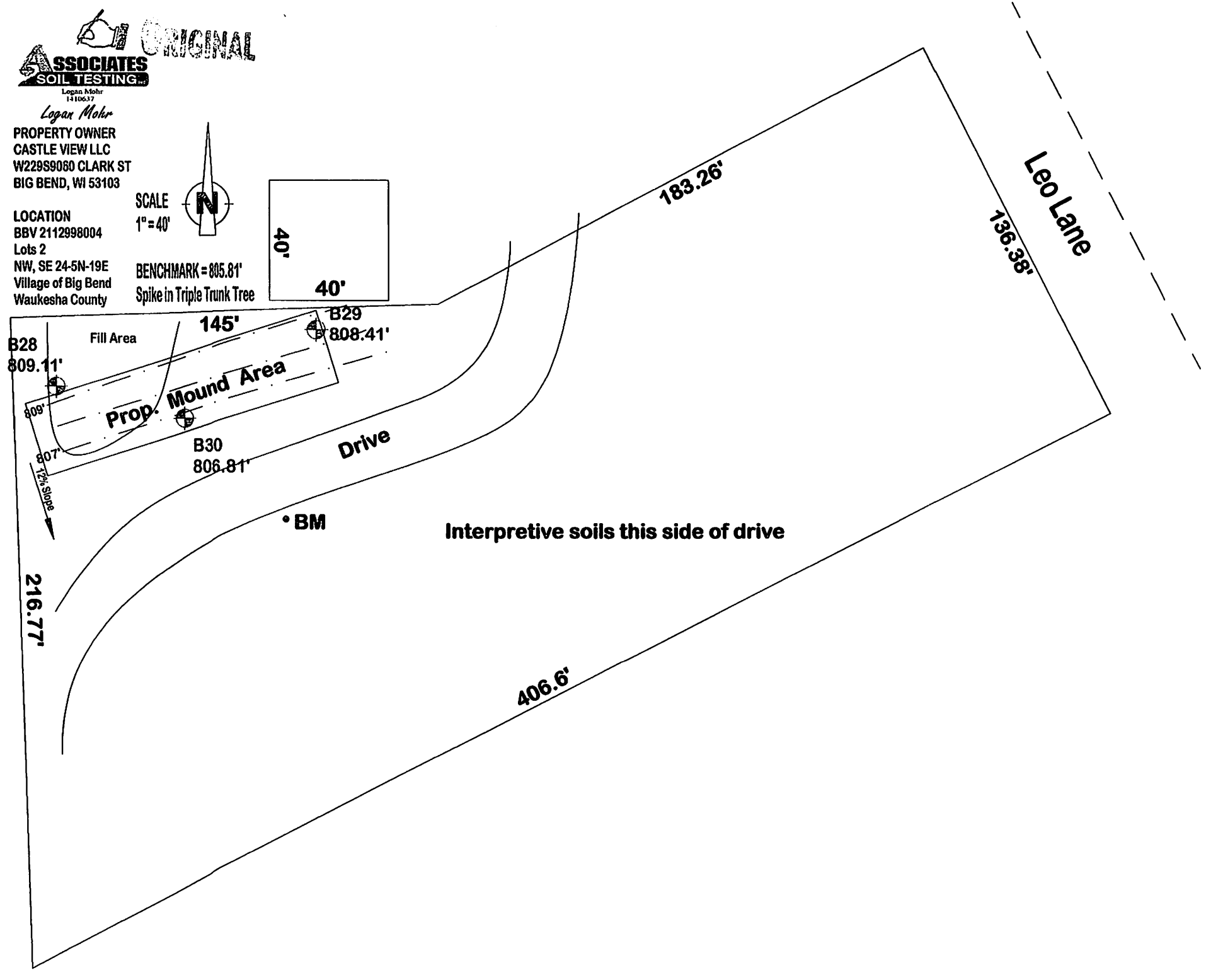
Logan Mohr

PROPERTY OWNER
CASTLE VIEW LLC
W229S9060 CLARK ST
BIG BEND, WI 53103

LOCATION
BBV 2112998004
Lots 2
NW, SE 24-5N-19E
Village of Big Bend
Waukesha County

SCALE
1" = 40'

BENCHMARK = 805.81'
Spike in Triple Trunk Tree



RE: Majewski

Plan Reviewer,

ISD STATEMENT

The Mound area proposed has fill underneath part of it. The fill sits on top of the original A horizon. The fill is most likely from the excavation of the foundation up slope. The fill is sandy loam. There are macro and micro pores that will safely assimilate effluent through the profile and not allow seepage at the toe. The fill has a loading rate of 0.6/0.8 In an attempt to maintain equivalency and safety, I propose to use a 0.5/0.6 basal loading rate I would also recommend using 19" of mound sand.

Additionally, there is still assurance of health and safety because studies of single pass sand filters have shown that influent that passed through 2' of sand had a 96-98% reduction in fecal coliform, BOD, and TSS. This site would be filtered through 19" of sand, thus insuring that the final 17" of soil treatment will be simply for final polishing, and transport down to subsurface horizons.

Lance Petrasek
CST 224315

