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	
Kenosha	
Parcel I.D.	
30-4-220-072-0200	
Reviewed by	Date

Property Owner	Property Location					
Vicky D View	Govt. Lot NW ¼ NW¼ S 7 T 2 N R 20					☒ E (or) ☐ W
Property Owner's Mailing Address	Lot #	Block #	Subd. Name or CSM#			
1322 S Teut Road						
City / State / Zip Code / Phone Number	☐City	☐Village	☒Town	Nearest Road		
Burlington / WI / 53105 / ( )	----	----	Brighton	CTH J		

☒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: Proposed Mound Site Established, ISD Required Due to Slopes Greater Than 25%

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

1 Boring # ☐Boring ☒Pit Ground surface elev. 102.2 ft Depth to limiting factor 36 in. / elev. 99.2 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	0-8	10yr3/3	----------	SiL	2fsbk	Mfr	AS	2M	0.6	0.8
2	8-15	10yr5/3	----------	SiL	2fsbk	Mfr	CS	2M	0.6	0.8
3	15-36	10yr4/4	----------	CL	2msbk	Mfr	GW	1F	0.4	0.6
4	36-48	10yr5/4	fif10yr5/6	SiL	0M	Mfr	-------	------	0.0	0.2

2 Boring # ☐Boring ☒Pit Ground surface elev. 105.6 ft Depth to limiting factor 37 in. / elev. 102.52 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	0-9	10yr3/3	----------	SiL	2fsbk	Mfr	AS	2M	0.6	0.8
2	9-15	10yr5/3	----------	SiL	2fsbk	Mfr	CS	2M	0.6	0.8
3	15-37	10yr4/4	----------	CL	2msbk	Mfr	GW	2F	0.4	0.6
4	37-45	10yr4/4	fif10yr5/6	CL	1fsbk	Mfr	GW	1VF	0.2	0.3
5	45-63	10yr5/4	c2d10yr 5/6 6/8	SiL	2fpl	Mfr	--------	------	0.0	0.2

CST Name (Please Print)		CST Number
Logan Mohr	Logan Mohr Signature	1410637
Address	Date Evaluation Conducted	Telephone Number
W4644 Pine Creek Drive Elkhorn WI 53121	9/10/2024	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

3 Boring # ☐Boring ☒ Pit Ground surface elev. 102.2 ft. Depth to limiting factor 32 in. / elev. 99.54 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	0-10	10yr3/3	----------	SiL	2fsbk	Mfr	AS	2M	0.6	0.8
2	10-18	10yr5/3	----------	SiL	2fsbk	Mfr	CS	2F	0.6	0.8
3	18-32	10yr4/4	----------	CL	2msbk	Mfr	GW	1VF	0.4	0.6
4	32-38	10yr4/4	fif10yr5/6	CL	1fsbk	Mfr	GW	-------	0.2	0.3
5	38-48	10yr5/4	fif10yr5/6	SiL	2fpl	Mfr	--------	-------	0.0	0.2

4 Boring # ☐Boring ☒Pit Ground surface elev. 102.8 ft Depth to limiting factor 36 in. / elev. 99.8 ft.

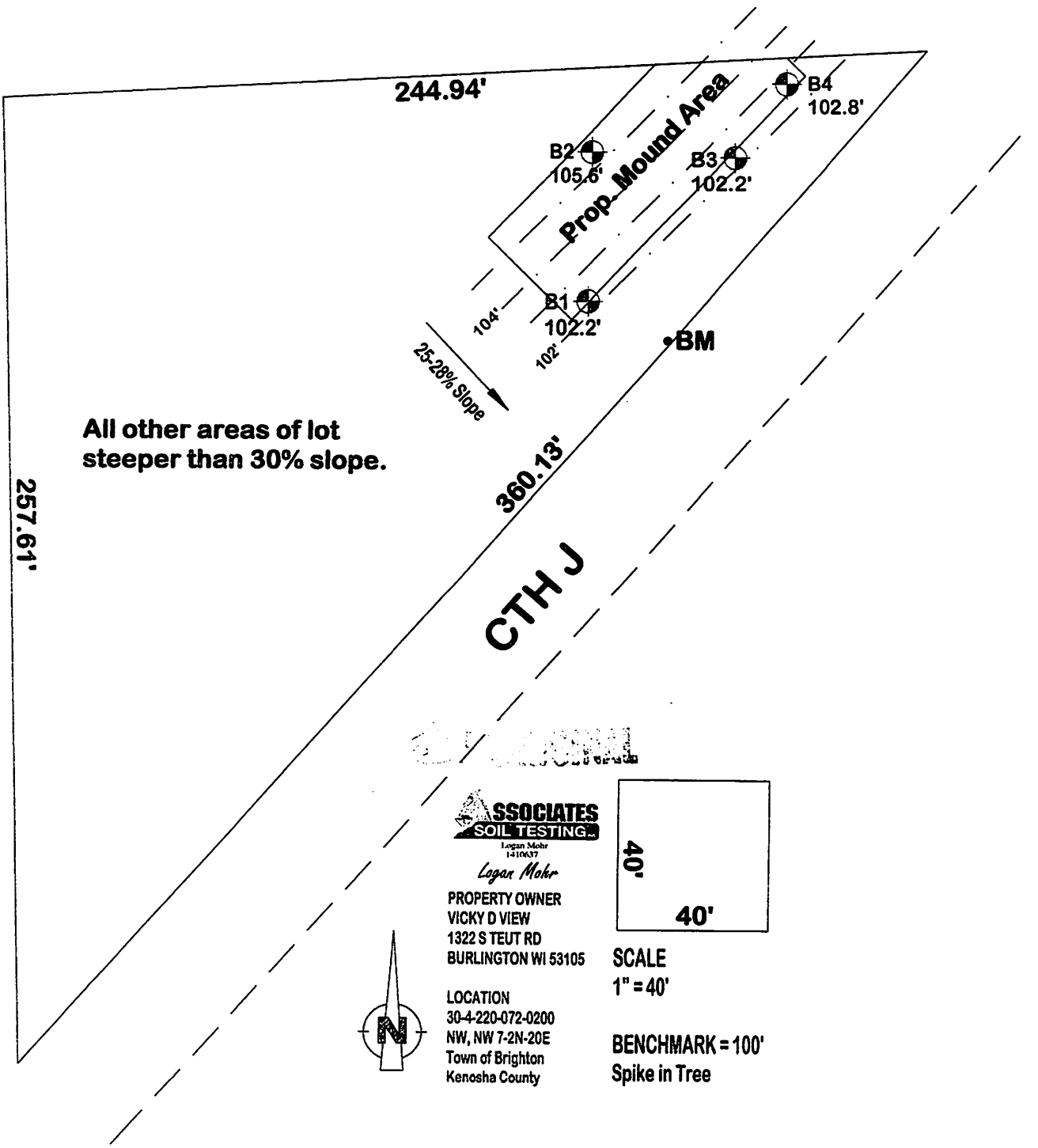
Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/Ft²	
									*Eff#1	*Eff#2
1	0-12	10yr3/3	----------	SiL	2fsbk	Mfr	AS	2M	0.6	0.8
2	12-16	10yr5/3	----------	SiL	2fsbk	Mfr	CS	2F	0.6	0.8
3	16-36	10yr4/4	----------	CL	2msbk	Mfr	GW	1VF	0.4	0.6
4	36-42	10yr4/4	fif10yr5/6	CL	1fsbk	Mfr	GW	-------	0.2	0.3
5	42-84	10yr5/4	c2d10yr 5/6 6/8	SiL	2fpl	Mfr	--------	-------	0.0	0.2

5 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 SSOCIATES SOIL TESTING


244.94'
B4
102.8'
B2
105.6'
Prop. Mound Area
B3
102.2'
B1
102.2'
104'
102'
25-28% Slope
BM
All other areas of lot
steeper than 30% slope.
360.13'
257.61'
CTH J
SSOCIATES
SOIL TESTING
Logan Mohr
14-10637
Logan Mohr
PROPERTY OWNER
VICKY D VIEW
1322 S TEUT RD
BURLINGTON WI 53105
LOCATION
30-4-220-072-0200
NW, NW 7-2N-20E
Town of Brighton
Kenosha County
40'
40'
SCALE
1" = 40'
BENCHMARK = 100'
Spike in Tree

RE: View

Plan Reviewer,

ISD STATEMENT

The only mound area on this lot is still located on steep slopes. The slopes in this area are between 25 and 28%. Exceeding the code required 25%. I would propose, as a means to achieve equivalency, that we use 12" of sand rather than 6". I also propose using a 0.4 loading rate as opposed to a 0.6 loading rate. These two changes in design parameters will more evenly distribute effluent before it hits the topsoil and stretch out the I dimension of the mound allowing effluent to be assimilated into the ground before the toe of the mound.

The installer will need track equipment. Extra sand will be ordered to allow the equipment to be leveled up while working on the mound. When done the extra leveling sand will be removed or dispersed away from the mound site and below.

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. Even though the soil test requires just 6" of Mound sand, due to the excessive slope, we will use 12" of sand below the stone bed. On the E side of the stone bed, there may be close to 20" of sand below the stone. This site would be filtered through on average, 16" of sand, thus insuring that the final 18" of soil treatment will be simply for final polishing, and transport down to subsurface horizons.

Lance Petrasek
CST 224315
DES 1599-07

