Wisconsin Department of Safety and Professional Services

SOIL EVALUATION REPORT

Division of Industry Services

in accordance with SPS 385, Wis.Adm.Code

Attach complete site plan on paper not less than 8 1/2 x 11" in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and % slope,scale or dimensions,north arrow,location &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.	OCOT0545978
Reviewed by	Date

Property Owner	Property Location
SAMANTHA COBB	SE 1/4, NE 1/4, S 29 , T 8 N, R 17 E
Property Owner's Mailing Address: W380N6197 HWY 67	Lot # Subd.Name or CSM#
City State Zip Code Phone Number: OCONOMOWOC, WI 53066	☐ City ☒ Town: OCONOMOWOC — Nearest Road: W380N6197 HWY 67

☒ New Construction ☐ Replacement — Use: ☒ Residential/No.bedrooms 4 — ☐ Public or commercial- Describe: — Code derived design flow rate: 600 GPD

Parent Material: LOESS,GLACIAL OUTWASH — Flood Plain elevation if applicable Unknown

General comments and recommendations:

LOT HAS BEEN CUT/FILLED. 3 NEW LOTS TO BE CREATED

OFF LOT SEPTIC EASEMENTS MAY BE REQUIRED DEPENDING ON FINAL LOT LAYOUT

RECOMMEND REMOVING FILL TO IN-SITU SANDY MATERIAL (859.5') AND PLACING 12" OF ASTM C-33 SAND, SYSTEM ELEV. = 860.5'

PRESSURIZED SYSTEM WITH LOADING RATE OF 1.0 GPD/SQFT AND BASAL LOADING RATE OF 0.5 GPD/SQFT.

RECOMMED 0.6 SOIL DEPTH EQUIVALENCY FOR VCB AND VGR MATERIAL

Boring 1 # ☐ Boring ☒ Pit — Ground surface elev. 863.81' — Depth to limiting factor N/A

Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
FILL	0-29		MIXED FILL WITH ASPHALT AND CONCRETE					aw		
C1	29-45	10YR5/6		vgr ls	0sg	l		cw	0.7	1.6
C2	45-120	10YR6/4		vcb fs	0sg	l			0.5	1
			DEPTH OF SOIL BELOW 859.5' WITH 0.6 EQUIVALENCY = 40"							

WATER ENTERING PIT AT 104"

Boring 2 # ☐ Boring ☒ Pit — Ground surface elev. 861.65' — Depth to limiting factor 78"

Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
FILL	0-5	10YR3/2 5/6		gr sl/ls	2mgr	vfr	2fm	cs	0.6	1
C1	5-24	10YR5/6		vgr ls	1fsbk	l	1fm	cw	0.7	1.6
C2	24-78	10YR6/4		vcb fs	0sg	l		cw	0.5	1
C3	78-110	10YR7/4	c3d10YR6/8 7/1	vcb cos	0sg	l			0.7	1.6
			DEPTH OF SOIL BELOW 859.5' WITH 0.6 EQUIVALENCY = 31"							

*Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

*Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name	CLAY VANDERLEEST	Signature:	CST Number 1190689
Address	N7803 TOPPE RD WATERLOO, WI 53594	Date Evaluation Conducted:9/23/2024	Telephone No.(608) 509-2855

Boring ☐ Boring

3 # ☒ Pit Ground surface elev. 864.63' Depth to limiting factor N/A

Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
FILL	0-27	10YR3/2 4/4		l/cl	1msbk	fi	2fm	aw	0.2	0.3
C1	27-42	10YR5/6		vgr ls	0sg	l		cw	0.7	1.6
C2	42-126	10YR6/4		vcb fs	0sg	l			0.5	1
			DEPTH OF SOIL BELOW 859.5' WITH 0.6 EQUIVALENCY = 38"							

Boring ☐ Boring WATER ENTERING PIT AT 100"

4 # ☒ Pit Ground surface elev. 861.71' Depth to limiting factor 78"

Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
FILL	0-7	10YR3/2		gr sl/ls	2mgr	vfr	2fm	cs	0.6	1
C1	7-78	10YR6/4		vcb fs	0sg	l		cw	0.5	1
C2	78-106	10YR7/4	c3d10YR6/8 7/1	vcb cos	0sg	l			0.7	1.6
			DEPTH OF SOIL BELOW 859.5' WITH 0.6 EQUIVALENCY = 30"							

Boring ☐ Boring

☒ Pit Ground surface elev. Depth to limiting factor

Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

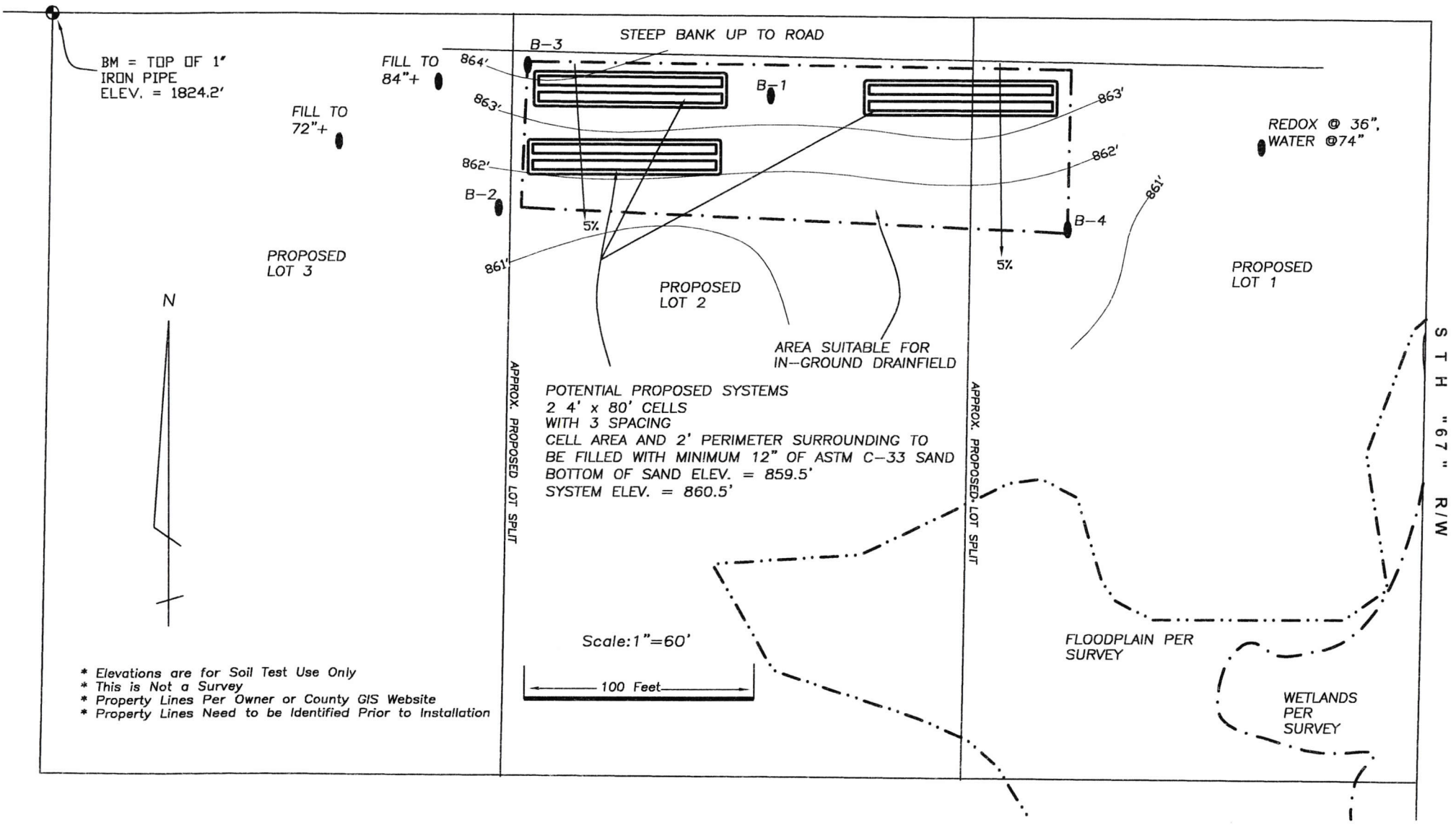
*Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

*Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

SAMANTHA COBB

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PROPOSED LOT SPLIT
4.55 ACRES (ORIGINAL)



* Elevations are for Soil Test Use Only
* This is Not a Survey
* Property Lines Per Owner or County GIS Website
* Property Lines Need to be Identified Prior to Installation