

## **APPENDIX E**

### **SOIL TEST PITS**

**MEMO**

**Page 1 of 2**

**DATE: 9-16-2025**

**TO:** Brian Arcand, P.E., Snyder & Associates

**FROM:** Rick Herro Soil Testing LLC

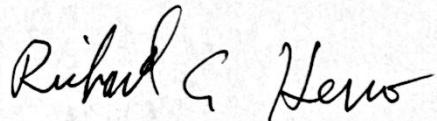
**ME:** Brian, attached please find my Preliminary Soil Evaluation Report for the 4 soil pits evaluated 9-15-2025 at the SKAAR PIT LLC. The location of the soil pits was selected by you to delineate a regional septic site. This report is preliminary because additional soil pits would be necessary in the future to establish specific site details necessary to design private sewage system size and system elevations. This would need to be done to basically surround any proposed private sewage system with accurate soil data for system design, based on soil conditions and estimated wastewater loads. The 4 soil pits were observed and approved by the Dane County Sanitarian. The preliminary review finds that the area is suitable for conventional and mound type systems as detailed on the report. Future soil pits would be necessary to fine tune system design, based on soil conditions and estimated wastewater loads.

For mound systems it is important to protect the site in its natural condition. Soil compaction, disturbance, excavation, filling and heavy vehicular traffic is not allowed on mound system sites.

## Page 2 of 2

Soil Pits Number 1 and 4 found conditions suitable for a mound type of system. Soil Pits 2 and 3 found conditions suitable for a conventional system. Normally it takes at least 3 soil pits to accurately surround and design an individual private sewage system.

Please feel free to contact me with any questions or comments that might arise.



Richard C. Herro

Certified Soil Tester # 057800001-SP

9-16-2025

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	DANE
Parcel I.D.	0711-284-9210-0
Reviewed by	Date

Property Owner SKAAR PIT LLC				Property Location Govt. Lot SW 1/4 SE 1/4 S 28 <sub>T</sub> 7 N R 11 <sub>E</sub> (or W)					
Property Owner's Mailing Address 3440 County Highway N				Lot # 1	Block #	Subd. Name or CSM# CSM # 15945 (30 Acre Parcel)			
City Cottage Grove	State WI	Zip Code 53527	Phone Number ()	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Town	Nearest Road CTH "N"		
				COTTAGE GROVE					

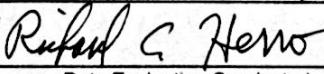
<input checked="" type="checkbox"/> New Construction	Use: <input type="checkbox"/> Residential / Number of bedrooms _____	Code derived design flow rate _____	To Be Determined	GPD
<input type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Public or commercial - Describe: _____	To Be Determined		
Parent material _____	Loess over Glacial Outwash / Till	Flood Plain elevation if applicable _____	N/A	ft.
General comments and recommendations: Preliminary Soil Evaluation conducted as delineated by Snyder & Associates, Inc. to define suitable area for installation of Private Sewage Systems for proposed 8 commercial lots as per Preliminary Plat. Proposed Regional Septic Field site would serve the proposed plat, with daily wastewater loading to be determined in the future according to building usage. Site tested is suitable for conventional and mound systems as per preliminary review. Site detail with additional soil evaluation would document size/layout of systems needed.				

1	Boring #	<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Ground surface elev. 872.23 ft.	Depth to limiting factor 38 in.	Soil Application Rate
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence
1	0-8	10YR 3/3	none	sil	2msbk	mfr
2	8-15	7.5YR 4/4	none	scl	2msbk	mfr
3	15-38	10YR 6/4	none	gr. S	0sg	ml
4	38-100	10YR 5/4	( Weak weathered OGT and sandstone )	OGT/SS	0m	mfi
						--
			( B-1 would support a mound system )			--
						0.0
						0.0

2	Boring #	<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Ground surface elev. 874.24 ft.	Depth to limiting factor 84 in.	Soil Application Rate
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence
1	0-11	10YR 3/3	none	sil fill	2msbk	mfr
2	11-84	10YR 6/4	none	med. S	0sg	ml
			( B-2 would support a conventional system )			--
						0.7
						1.6

\* Effluent #1 = BOD <sub>s</sub> > 30  $\leq$  220 mg/L and TSS > 30  $\leq$  150 mg/L

\* Effluent #2 = BOD <sub>s</sub>  $\leq$  30 mg/L and TSS  $\leq$  30 mg/L

CST Name (Please Print) Richard C. Herro / Rick Herro Soil Testing LLC	Signature 	CST Number 057800001-SP
Address 603 N. Dewey Avenue, Jefferson, WI. 53549 (rherro54@gmail.com)	Date Evaluation Conducted 9-15-2025	Telephone Number 920-650-6788
SBD-8330 (R11/11)		

SKAAR PIT LLC

0711-284-9210-0

2 5

Property Owner \_\_\_\_\_

Parcel ID # \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft <sup>2</sup>	*Eff#1 *Eff#2
3	Boring #	<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit	Ground surface elev. 875.12 ft.			84				
1	0-11	10YR 3/3	none	sil	2msbk	mfr	cs	2f	0.6	0.8
2	11-29	10YR 4/3	none	sicl	2msbk	mfr	cs	1f	0.4	0.6
3	29-46*	10YR 4/4	none	scl	2msbk	mfr	cw*	--	0.4	0.6
4	46-84	10YR 6/4	none	gr. S	0sg	ml	--	--	0.7	1.6
			*=wavy boundary 36/46"							
			( B-3 would support a conventional system)							

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft <sup>2</sup>	*Eff#1 *Eff#2
1	0-8	10YR 3/3	none	sil	2msbk	mfr	cs	2f	0.6	0.8
2	8-20	10YR 4/3	none	sicl	2msbk	mfr	cs	1f	0.4	0.6
3	20-32	10YR 4/4	none	cl	2msbk	mfr	cs	--	0.4	0.6
4	32-70	10YR 4/4	c2d 10YR 5/8 & 6/2	cl	2msbk	mfi	--	--	0.4	0.6
			( B-4 would support a mound system)							

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft <sup>2</sup>	*Eff#1 *Eff#2
			<u>NOTE: Soil Pits have</u>							
			been onsite and							
			approved by Dane							
			County Sanitarian.							
			Site must be							
			protected in its							
			natural condition.							

\* Effluent #1 = BOD<sub>5</sub> > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L\* Effluent #2 = BOD<sub>5</sub> ≤ 30 mg/L and TSS ≤ 30 mg/L

The Dept. of Safety and Professional Services is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, contact the department at 608-266-3151 or TTY through Relay.



071128492100

X

PAGE 3 OF 5

NORTH



←NORTH PARCEL LINE→

TP-1

TP-2

TP-3

TP-4



EXISTING SHED

N

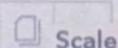
COUNTY HIGHWAY "N"

PARCEL # 0711-284-9210-0  
30 ACRES

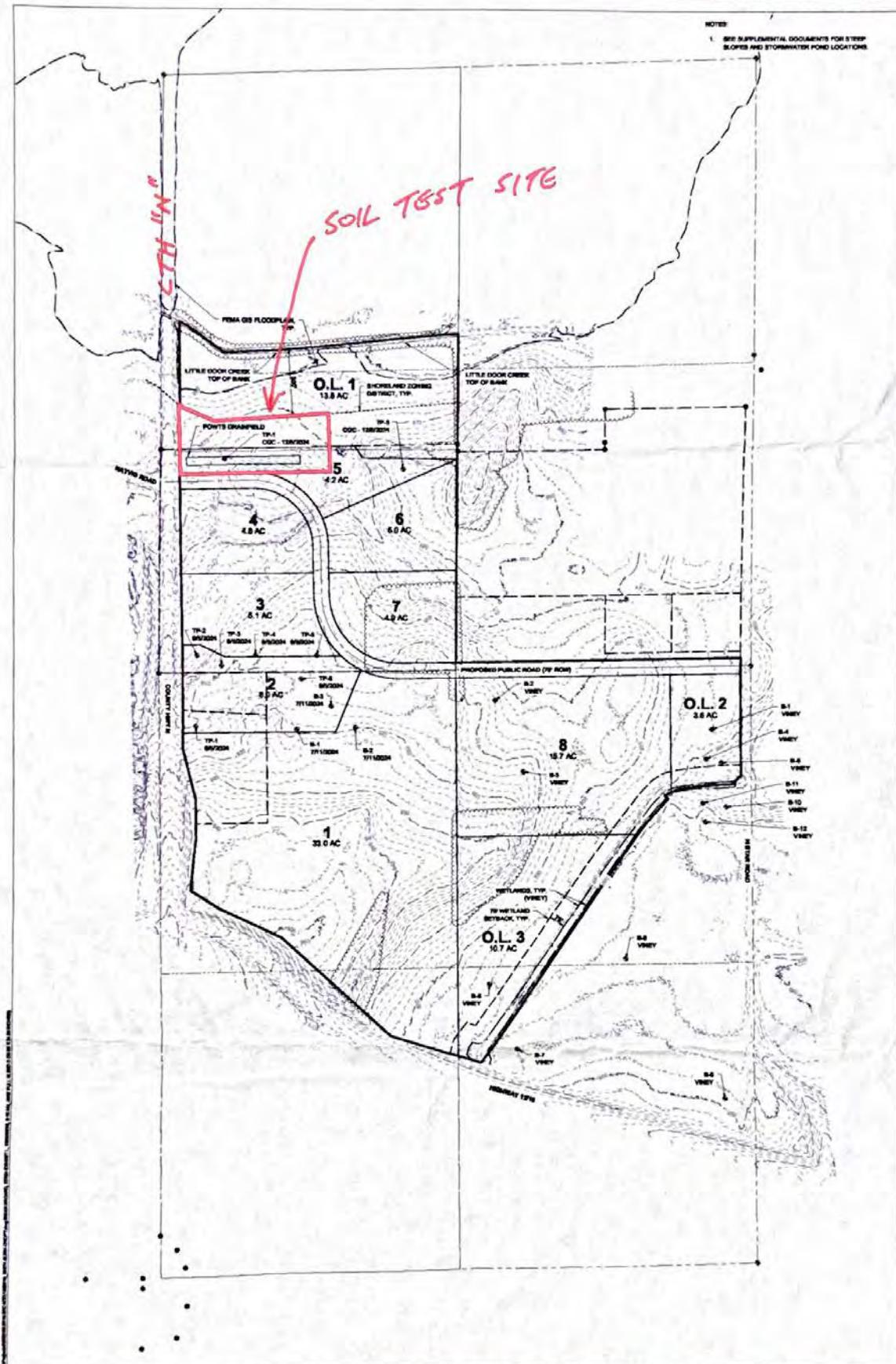


200 ft

Enable clicking the map to get the coordinates



Scale: 1:2257 (18)



TP#1  
N:469717.1440  
E:871026.4245  
ELEV.=876.22

TP#2  
N:469716.0128  
E:870856.2609  
ELEV.=875.12

TP#3  
N:469712.3635  
E:870686.7462  
ELEV.=874.24

TP#4  
N:469711.9775  
E:870517.0904  
ELEV.=872.23

← 175' →



PROPOSED SEPTIC FIELD LOCATION

EXISTING  
SHED

← 140' →

5  
4.1 AC

NORTH

4  
4.7 AC

## Mike Calkins

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**From:** Wade R. Huston <whuston@rghuston.com>  
**Sent:** Wednesday, January 29, 2025 11:25 AM  
**To:** Mike Calkins  
**Subject:** FW: Skar Samples  
**Attachments:** 24448.pdf

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender email address and know the content is safe.

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**From:** Alex Bina <abina@cgcinc.net>  
**Sent:** Tuesday, December 10, 2024 2:15 PM  
**To:** Wade R. Huston <wade@rghuston.com>  
**Subject:** Skar Samples

Wade – Attached are the gradations for the two samples dropped off last week.

TP-1 sample classifies as Gravelly Sand per USDA classification. This soil type is assigned a default infiltration rate of 3.6 in./hr according to WDNR Tech Standards.

TP-3 sample classifies as Gravelly Sandy Loam, resulting default rate of 0.5 in./hr.

As I mentioned the rates for septic are different than the rates I describe above, but it should give you an idea.

Give me a call with any questions.

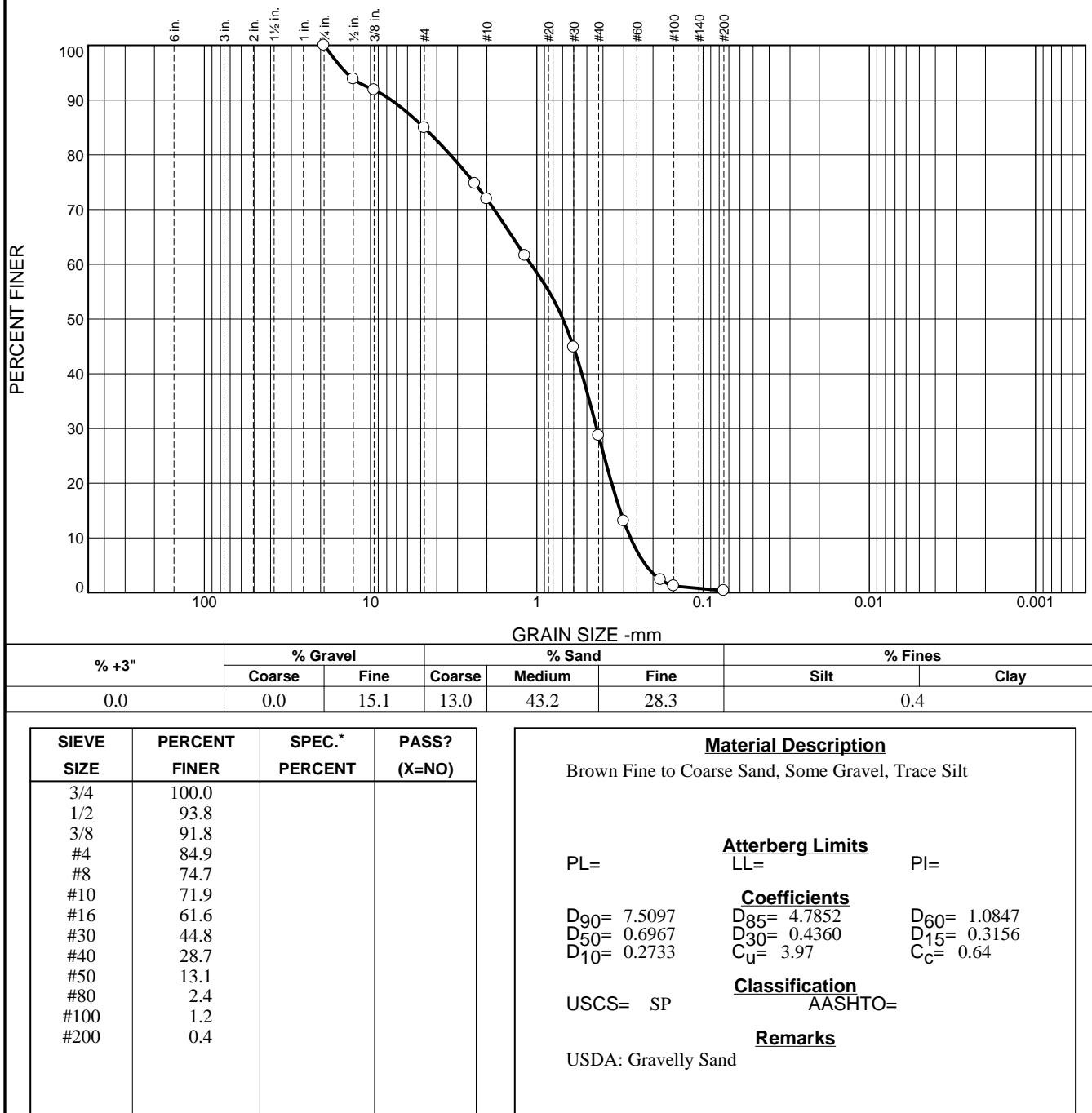
Alex

Alex Bina, P.E.  
**CGC, Inc.**  
2921 Perry St.  
Madison, WI 53713  
[abina@cgcinc.net](mailto:abina@cgcinc.net)  
Office (608)288-4100  
Cell (715)296-5858  
Fax (608)288-7887

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# Particle Size Distribution Report



\* (no specification provided)

Sample Number: TP-1      Depth: 2'

Date: 12/6/24

CGC, Inc.

Client: RG Huston

Project: Skar

Project No: C24448

Figure

Tested By: JFS

Checked By: KJS

## Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
	0.0	5.8	9.4	4.8	11.2	46.4	22.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1	100.0		
3/4	94.2		
1/2	92.3		
3/8	89.7		
#4	84.8		
#8	80.7		
#10	80.0		
#16	77.4		
#30	73.9		
#40	68.8		
#50	57.2		
#80	37.3		
#100	32.6		
#200	22.4		

\* (no specification provided)

<u>Material Description</u>		
Brown Fine to Medium Sand, Some Silt and Gravel		
PL=	<u>Atterberg Limits</u>	PI=
	LL=	
D <sub>90</sub> = 9.8401	D <sub>85</sub> = 4.9078	D <sub>60</sub> = 0.3226
D <sub>50</sub> = 0.2522	D <sub>30</sub> = 0.1321	D <sub>15</sub> =
D <sub>10</sub> =	C <sub>u</sub> =	C <sub>c</sub> =
<u>Coefficients</u>		
<u>Classification</u>		
USCS= SM		AASHTO=
<u>Remarks</u>		
USDA: Gravelly Sandy Loam		

Sample Number: TP-3

Depth: 11'

Date: 12/6/24

<b>CGC, Inc.</b>	<b>Client:</b> RG Huston <b>Project:</b> Skar <b>Project No:</b> C24448	<b>Figure</b>
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Tested By: JFS

Checked By: KJS





1002-CPS-23  
 Division of Industry Services  
 P. O. Box 2656  
 Madison, Wisconsin 53701  
 Scott Walker, Governor  
 Laura Gutierrez, Secretary

Attachment 2:

SOIL AND SITE EVALUATION – STORM

In accordance with SPS 382.365, 385, Wis. Adm. Code, and WDNR Standard 1002

Page 1 of 2

Attach a 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 of slope, scale or dimensions, north arrow, and BM referenced to nearest road

**Please print all information**

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]

Property Owner <i>Barnsdale LLC</i>		Property Location Govt Lot 1/4 1/4 S T N R E (or) W Lot #      Block #      Subd. Name or CSM #									
Property Owner Mail Address <i>3432 A Hwy N</i>		Nearest Road <i>Cottage Grove Hwy N</i>									
City <i>Cottage Grove</i>	State <i>WI</i>	Zip Code <i>53527</i>	Phone Number	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Town	Nearest Road <i>Cottage Grove Hwy N</i>				
Drainage area _____ <input type="checkbox"/> sq. ft <input type="checkbox"/> acres				Hydraulic Application Test Method <input checked="" type="checkbox"/> Morphological Evaluation <input type="checkbox"/> Double Ring Infiltrometer <input type="checkbox"/> Other (specify) _____				Soil Moisture Date of soil borings: <i>9-5-24</i> USDA-NRCS WETS Value: <input type="checkbox"/> Dry = 1; <input checked="" type="checkbox"/> Normal = 2; <input type="checkbox"/> Wet = 3.			
Test site suitable for (check all that apply): <input type="checkbox"/> Site not suitable; <input type="checkbox"/> Bioretention; <input type="checkbox"/> Subsurface Dispersal System; <input type="checkbox"/> Reuse; <input type="checkbox"/> Irrigation; <input type="checkbox"/> Other _____											

TPI #OBS <input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring Ground surface elevation <i>910.33</i> ft Elevation of limiting factor <i>908.33</i> ft											
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	% Fines	Hydraulic App Rate inches/Hr	
1	0-12	10YR 3/2	---	sil	2mgr	mfr	cs	5	-	.13	
2	12-24	7.5YR 4/6	---	sc1	1mgr	mfr	cs	5	-	.11	
3	24-77	7.5YR 4/6	10YR 7/2 7.5YR 5/8	sc1	1fsbk	mfr	qs	50	-	.11	
4	77+	10YR 5/4	Bedrock	-						-	
Comments: Solid Bedrock @ 94"											

TPI #OBS <input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring Ground surface elevation <i>894</i> ft Elevation of limiting factor <i>893</i> ft											
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	% Fines	Hydraulic App Rate inches/Hr	
1	0-12	10YR 3/7	---	sil	2mgr	mfr	cs	5	-	.13	
2	12-44	7.5YR 4/6	10YR 7/2 7.5YR 5/8	sc1	1fsbk	mfr	qs	5	-	.11	
3	44-72	10YR 5/4	Bedrock	-				50	-	-	
Comments: Solid Bedrock @ 72"											
Name (Please Print) <i>Jeffrey T Levalle</i>				Signature <i>STJL</i>				Credential Number <i>CST#223322</i>			
Address <i>P.O. Box 568 Lake Mills, WI 53551</i>				Date Evaluation Conducted <i>9-5-24</i>				Telephone Number <i>720-968-7567</i>			
SBD-10793 (R01/17)											

TP3		#OBS	<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground surface elevation	908 ft	Elevation of limiting factor	907.25 ft	Page	Z of Z	
Horizon	Depth in	Dominant Color Munsell		Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr Sz. Sh.	Consistence	Boundary	% Rock Frags	% Fines	Hydraulic App Rate Inches/Hr
1	0-9	10YR	3/2	—	sil	2mgr	mfr	cs	5	-	.13
2	9-34	2.5YR	4/6	7.5YR 5/8	sc1	1msbk	mfr	95	5	-	.11
3	34+	10YR	5/4	Bedrock							—
Comments: Solid Bedrock @ 34"											

TP4		#OBS	<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground surface elevation	909.35 ft	Elevation of limiting factor	908.6 ft	Page	Z of Z	
Horizon	Depth in	Dominant Color Munsell		Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr Sz. Sh.	Consistence	Boundary	% Rock Frags	% Fines	Hydraulic App Rate Inches/Hr
1	0-9	10YR	3/2	—	sil	2mgr	mfr	cs	5	-	.13
2	9-18	2.5YR	4/6	7.5YR 5/8	sc1	1msbk	mfr	95	5	-	.11
3	18-30	10YR	5/4	Bedrock					50	-	—
Comments: Solid Bedrock @ 30"											

TP5		#OBS	<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground surface elevation	913 ft	Elevation of limiting factor	911 ft	Page	Z of Z	
Horizon	Depth in	Dominant Color Munsell		Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr Sz. Sh.	Consistence	Boundary	% Rock Frags	% Fines	Hydraulic App Rate Inches/Hr
1	0-9	10YR	3/2	—	sil	2mgr	mfr	cs	5	-	.13
2	9-24	2.5YR	4/6	—	sc1	1msbk	mfr	cs	5	-	.11
3	24-58	2.5YR	4/6	7.5YR 5/8	sc1	1fsbk	mfr	95	5	-	.11
4	58+	10YR	5/4	Bedrock							—
Comments: Solid Bedrock @ 58"											

TP6		#OBS	<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground surface elevation	914.07 ft	Elevation of limiting factor	912.07 ft	Page	Z of Z	
Horizon	Depth in	Dominant Color Munsell		Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr Sz. Sh.	Consistence	Boundary	% Rock Frags	% Fines	Hydraulic App Rate Inches/Hr
1	0-9	10YR	3/2	—	sil	2mgr	mfr	cs	5	-	.13
2	9-24	2.5YR	4/6	—	sc1	1msbk	mfr	cs	5	-	.11
3	24-50	2.5YR	4/6	7.5YR 5/8	sc1	1fsbk	mfr	95	5	-	.11
4	50+	10YR	5/4	Bedrock							—
Comments: Solid Bedrock @ 50"											

SBD-10793 (R 7/17)

Overall Site Comments:

WDNR  
September 2017

## 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	DANE
Parcel I.D.	018/0711-331-8580-6
Reviewed by	Date

Property Owner BARNSDALE LLC		Property Location NW 1/4, NE 1/4, S 7, T 11 N, R 33 E							
Property Owner's Mailing Address 3432A COUNTY HIGHWAY N		Lot # 1 Subd. Name or CSM# 2323							
City COTTAGE GROVE	State WI	Zip Code 53527	Phone Number	<input type="checkbox"/>	City COTTAGE GROVE	<input checked="" type="checkbox"/>	Town	Nearest Road 3432 COUNTY HIGHWAY N	

<input type="checkbox"/> New Construction	Use: <input type="checkbox"/> Residential/No. bedrooms _____	Code derived design flow rate: TBD GPD
<input checked="" type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Public or commercial- Describe: OFFICE BUILDING AND SHOP	
Parent Material: LOESS, SANDSTONE	Flood Plain elevation if applicable	Unknown
General comments	EXISTING COMMERCIAL BUILDINGS, POSSIBLE EXPANSION, ADDITIONAL LAND TO BE	
and recommendations:	PURCHASED FROM PARCEL# 018/0711-331-8501-1. FLOW RATE TO BE DETERMINED BY DESIGNER MINIMUM 17" OF MOUND SAND REQUIRED	

Boring		<input type="checkbox"/> Boring		* sandstone bedrock							Soil Application Rate		
1	#	<input checked="" type="checkbox"/> Pit		Ground surface elev.		918.28'		Depth to limiting factor		20"		GPD/ft <sup>2</sup>	
Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary				*Eff#1	*Eff#2
Ap	0-12	10YR3/2		sil	2mgr	fr	2f	as				0.6	0.8
Bt1	12-20	10YR4/4		sicl	2fsbk	fi	1f	cs				0.4	0.6
Bt2	20-33	10YR4/4	c1d10YR6/6 6/1	sicl	1fsbk	fi	1f	as				0.2	0.3
R	33+		*										

Boring		<input type="checkbox"/> Boring		* weakly cemented sandstone							Soil Application Rate		
2	#	<input checked="" type="checkbox"/> Pit		Ground surface elev.		918.23'		Depth to limiting factor		19"		GPD/ft <sup>2</sup>	
Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr.Sz.Sh.	Consistence (Moist)	Roots	Boundary				*Eff#1	*Eff#2
Ap	0-9	10YR3/2		sil	2mgr	fr	2f	as				0.6	0.8
Bt1	9-19	10YR4/4		sicl	2fsbk	fi	1f	cs				0.4	0.6
Bt2	19-32	10YR4/4	c1d10YR6/6 6/1	sicl	1fsbk	fi	1f	cw				0.2	0.3
C	32-47	10YR4/4	c2d10YR6/6 6/1	sicl	0mass	fi		as				0	0
R	47+		*										

\*Effluent #1 =  $BOD_5 > 30 \leq 220 \text{ mg/L}$  and  $TSS > 30 \leq 150 \text{ mg/L}$ \*Effluent #2 =  $BOD_5 \leq 30 \text{ mg/L}$  and  $TSS \leq 30 \text{ mg/L}$ 

CST Name Address	CLAY VANDERLEEST N7803 TOPPE RD WATERLOO, WI 53594	Signature: 	CST Number 1190689 Telephone No. (608) 509-2855
		Date Evaluation Conducted: 7/11/2024	SBD-8330(R04/15)

Property Owner: BARNSDALE LLC

Parcel ID: 018/0711-331-8580-6

Page 2 of 3

Boring  Boring3 #  Pit

Ground surface elev. 914.63'

Depth to limiting factor

31"

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/ft <sup>2</sup>	
									*Eff#1	*Eff#2
Ap	0-11	10YR3/2		sil	2mgr	fr	2f	as	0.6	0.8
Bt1	11-20	10YR4/4		sicl	2fsbk	fi	1f	cs	0.4	0.6
Bt2	20-31	10YR4/4		sicl	1fsbk	fi	1f	cw	0.2	0.3
C	31-57	10YR4/4	c2f10YR6/6 6/3	sicl	0mass	fi		as	0	0

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/ft <sup>2</sup>	
									*Eff#1	*Eff#2

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/ft <sup>2</sup>	
									*Eff#1	*Eff#2

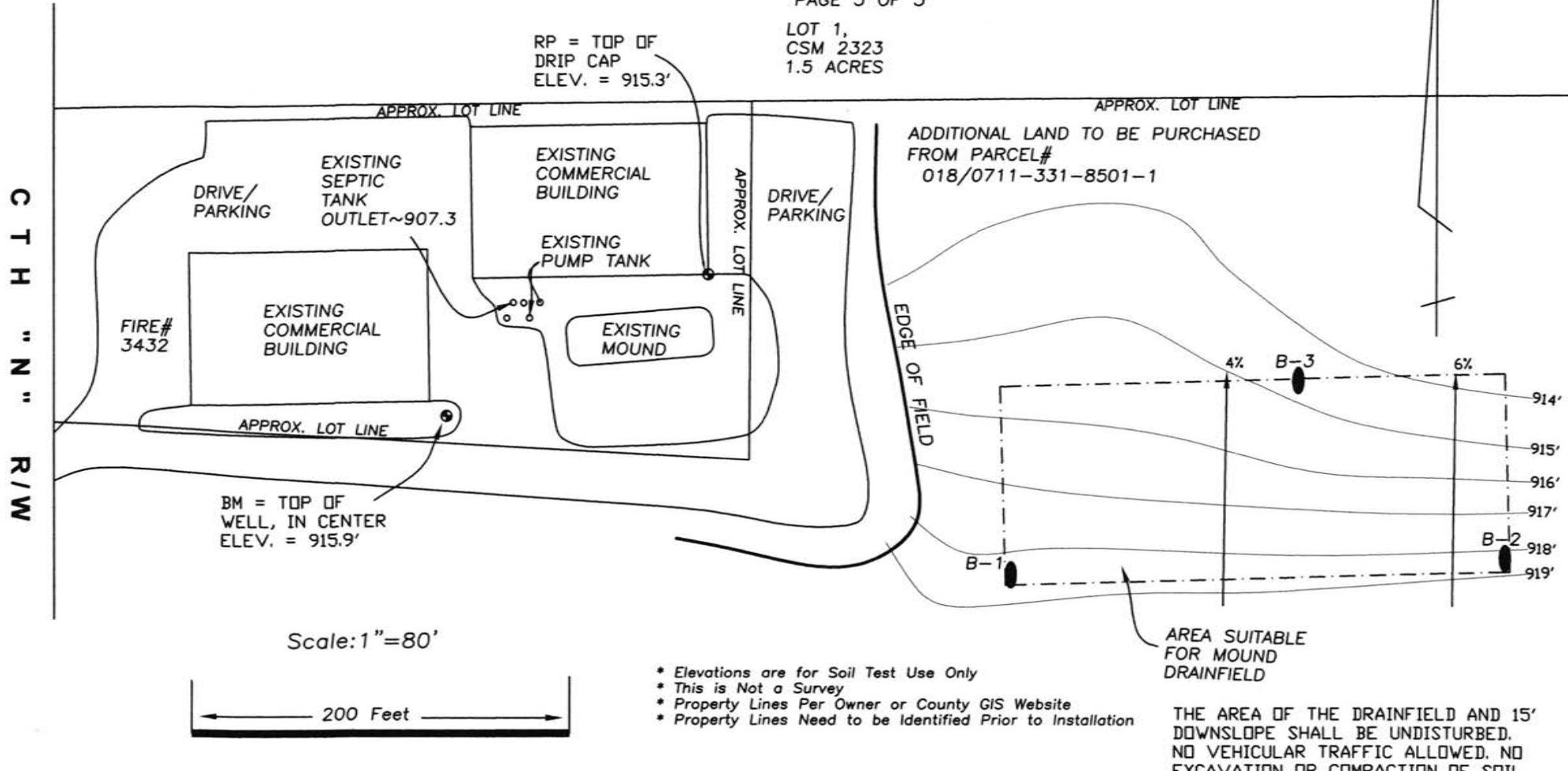
\*Effluent #1 = BOD<sub>5</sub> > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L\*Effluent #2 = BOD<sub>5</sub> ≤ 30 mg/L and TSS ≤ 30 mg/L

N

## BARNSDALE LLC

PAGE 3 OF 3

LOT 1,  
CSM 2323  
1.5 ACRES



THE AREA OF THE DRAINFIELD AND 15' DOWNSLOPE SHALL BE UNDISTURBED. NO VEHICULAR TRAFFIC ALLOWED. NO EXCAVATION OR COMPACTION OF SOIL.



## Soil and Site Evaluation – Stormwater Infiltration

In accordance with SPS 382.365, 385, Wis. Adm. Code, and WDNR Standard 1002

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]

Page 1 of 5

Attach a complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but is not limited to: vertical and horizontal reference point (BM); direction and percent of slope; scale or dimensions; north arrow; and BM referenced to nearest road.		COUNTY DANE
PLEASE PRINT ALL INFORMATION		PARCEL ID 0711-331-8000-7/9502-8
PROPERTY OWNER Don Viney		PROPERTY LOCATION Govt. Lot NE, & SE 1/4, NE 1/4, S 33, T 7 N, R 11 E <input checked="" type="checkbox"/>
PROPERTY OWNER'S MAILING ADDRESS 2093 US Highway 12 / 18		Lot #, Block #, Subd. Name or CSM #: <u>VINEY ACRES</u>
CITY, STATE, ZIP CODE Cottage Grove, WI 53527		Municipality: <u>Cottage Grove</u> <input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road: <u>North Star Road</u>
Drainage area <u>See Plan</u> <input type="checkbox"/> sq. ft. <input type="checkbox"/> acres		HYDRAULIC APPLICATION TEST METHOD <input checked="" type="checkbox"/> Morphological Evaluation <input type="checkbox"/> Double Ring Infiltrometer <input type="checkbox"/> Other: (specify) <u> </u>
Test site suitable for (check all that apply): <input type="checkbox"/> Site not suitable <input type="checkbox"/> Bioretention <input type="checkbox"/> Reuse <input type="checkbox"/> Subsurface Dispersal System <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____		SOIL MOISTURE Date of soil borings: <u>1-27-2025</u>  USDA-NRCS WETS VALUE: <input type="checkbox"/> Dry = 1 <input checked="" type="checkbox"/> Normal = 2 <input type="checkbox"/> Wet = 3

B-1 #OBS.  Pit  Boring Ground Surface Elevation 893.8 ft. Elevation of Limiting Factor >883.8 ft.

**Comments:**

\*\*gr. LCS is gravelly Loamy Coarse Sand.

B-4 #OBS.  Pit  Boring Ground Surface Elevation 887.7 ft. Elevation of Limiting Factor 880.7 ft.

**Comments:**

\*\*gr. LCS is gravelly Loamy Coarse Sand.

B-5 #OBS.  Pit  Boring Ground Surface Elevation 883.6 ft. Elevation of Limiting Factor 878.3 ft.

**Comments:**

\*\*gr. LCS is gravelly Loamy Coarse Sand. Groundwater Observed at 90" depth, Elevation = 876.1'.

B-10 #OBS.  Pit  Boring Ground Surface Elevation 884.0 ft. Elevation of Limiting Factor 883.0 ft.

**Comments:**

Groundwater Observed at 66" depth, Elevation = 878.5'.

B-11 #OBS.		<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground Surface Elevation	887.2	ft.	Elevation of Limiting Factor	883.9	ft.	
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-40	10YR 3/2	none	sil	2msbk	mfr	cs	0	0	0.13
2	40-96	10YR 6/4	m3p 10YR 5/8 & 6/1	gr. LCS**	0sg	ml	--	10	0	3.60
			Groundwater							
			Observed at 84"							

Comments:

Groundwater Observed at 84" depth.      \*\* gr. LCS is gravelly Loamy Coarse Sand.

B-12 #OBS.		<input checked="" type="checkbox"/> Pit	<input type="checkbox"/> Boring	Ground Surface Elevation	892.4	ft.	Elevation of Limiting Factor	880.4	ft.	
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-10	10YR 3/2	none	SIL	2msbk	mfr	cs	0	0	0.13
2	10-28	10YR 4/4	none	SCL	2msbk	mfr	cs	0	0	0.11
3	28-144	10YR 6/4	none	gr. LCS**	0sg	ml	--	10	0	3.60

Comments:

\*\* gr. LCS is gravelly Loamy Coarse Sand.

Overall Site Comments:

Richard C. Herro / Rick Herro Soil Testing LLC



Email: rherro54@gmail.com

SP-057800001 CST-71536

Name (Please Print)

Signature

Credential Number

603 N. Dewey Avenue, Jefferson, WI. 53549

1-27-2025

920-650-6788

Address

Date Evaluation Conducted

Phone Number

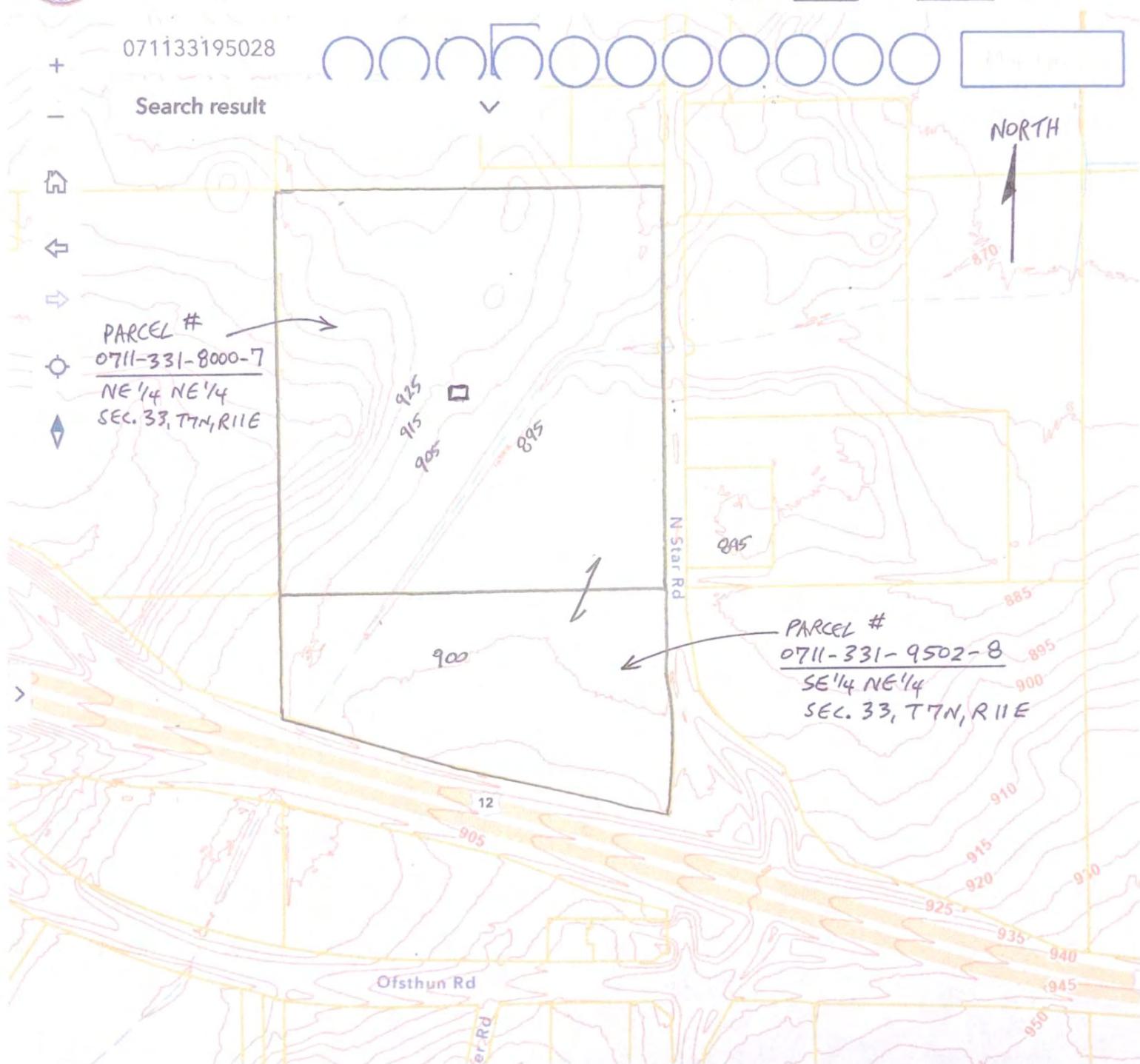
R.6/19/2024

SBD-10793



071133195028

Search result



Enable clicking the map to get the coordinates

500 ft

# VINEY ACRES BUSINESS PARK

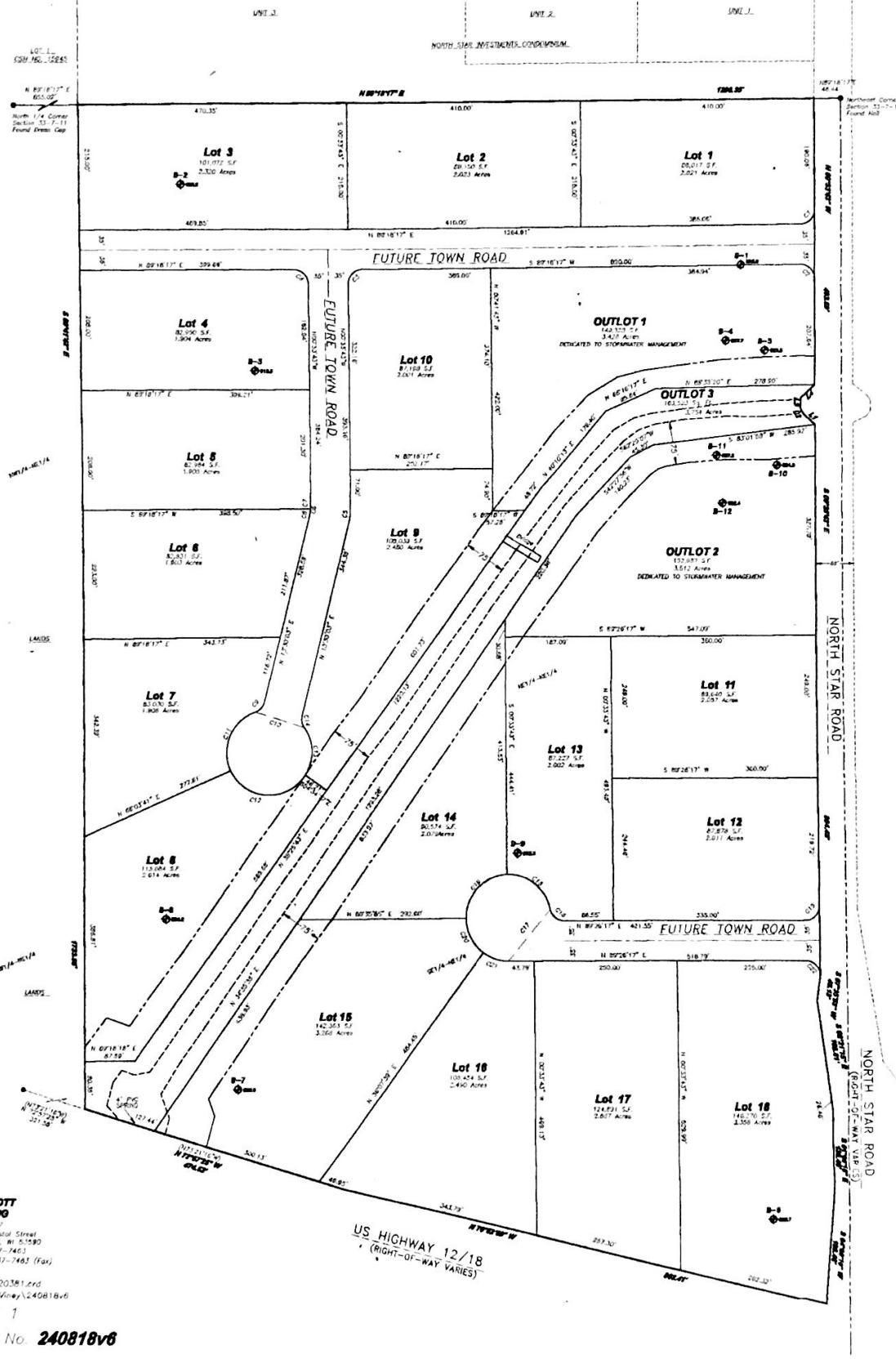
Part of the Northeast 1/4 of the Northeast  
1/4 and the Southeast 1/4 of the Northeast  
1/4 of in Section 33, T17, R10, Town of  
Cottage Grove, Dane County, Wisconsin.



## Legend:

- - Section Corner
- - Corner 3/4" Iron Bar
- Dashed Line - Reference per Ruskett and Meeks, Project #045-10000, Dated 11/20/2004
- = 75' Building Siteback
- = Building with Elevation

Lot	Area (SF)	Area (Acres)
1	10,072	0.236
2	20,544	0.488
3	10,072	0.236
4	20,544	0.488
5	10,072	0.236
6	20,544	0.488
7	10,072	0.236
8	20,544	0.488
9	10,072	0.236
10	10,072	0.236
11	20,544	0.488
12	20,544	0.488
13	20,544	0.488
14	10,072	0.236
15	10,072	0.236
16	10,072	0.236
17	10,072	0.236
18	10,072	0.236
19	10,072	0.236
20	10,072	0.236
21	10,072	0.236
22	10,072	0.236



**BURRENKOTT  
SURVEYING**

P.O. Box 237  
1677 N. Bristol Street  
Sun Prairie, WI 53590  
(608) 837-7461  
(608) 837-7462 (Fax)

J-12022/Carlson 220381 Land  
L-12024/240818-Viney/240818v6

Sheet 1 of 1

Office Map No. 240818v6