

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

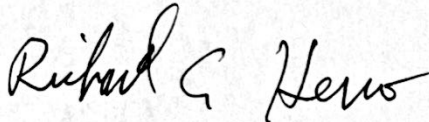
ME: Brian, attached please find my Preliminary Soil Evaluation Report for the 4 soil pits evaluated 9-15-2025 at the SKAAR PIT LLC. The location of the soil pits was selected by you to delineate a regional septic site. This report is preliminary because additional soil pits would be necessary in the 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.

A handwritten signature in black ink, reading "Richard C. Herro". The signature is fluid and cursive, with the first name "Richard" and last name "Herro" clearly legible.

Richard C. Herro

Certified Soil Tester # 057800001-SP

9-16-2025

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)).

Property Owner SKAAR PIT LLC		Property Location Govt. Lot SW 1/4 SE 1/4 S 28_T 7_N R 11_E (or) W <input checked="" type="checkbox"/>	
Property Owner's Mailing Address 3440 County Highway N		Lot # 1	Block # 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"

☒ New Construction Use ☐ Residential / Number of bedrooms _____ Code derived design flow rate _____ To Be Determined _____ GPD
☐ Replacement ☒ 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	Boundary	Roots	GPD/ft ²	
									*Eff#1	*Eff#2
1	0-8	10YR 3/3	none	sil	2msbk	mfr	cs	2f	0.6	0.8
2	8-15	7.5YR 4/4	none	scl	2msbk	mfr	cw	1f	0.4	0.6
3	15-38	10YR 6/4	none	gr. S	0sg	ml	cs	--	0.7	1.6
4	38-100	10YR 5/4	(Weak weathered OGT and sandstone)	OGT/SS	0m	mfi	--	--	0.0	0.0
			(B-1 would support a mound system)							

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	Boundary	Roots	GPD/ft ²	
									*Eff#1	*Eff#2
1	0-11	10YR 3/3	none	sil fill	2msbk	mfr	as	2f	0.6	0.8
2	11-84	10YR 6/4	none	med. S	0sg	ml	--	--	0.7	1.6
			(B-2 would support a conventional system)							

* 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) Richard C. Herro / Rick Herro Soil Testing LLC	Signature <i>Richard C. Herro</i>	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

Property Owner SKAAR PIT LLC Parcel ID # 0711-284-9210-0 Page 2 of 5

Boring # 3 ☐ Boring 875.12 ft. Depth to limiting factor 84 in.

☒ Pit Ground surface elev. _____ ft.

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 ²	
									*Eff#1	*Eff#2
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)							

4 Boring # ☐ Boring 876.22 ft. Depth to limiting factor 32 in.

☒ Pit Ground surface elev. _____ ft.

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 ²	
									*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)							

Boring # ☐ Boring _____ ft. Depth to limiting factor _____ in.

☐ Pit Ground surface elev. _____ ft.

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 ²	
									*Eff#1	*Eff#2
			<u>NOTE:</u> Soil Pits have							
			been onsited and							
			approved by Dane							
			County Sanitarian.							
			Site must be							
			protected in its							
			natural condition.							

* 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 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.



DCiMap
Version 6.2.2



071128492100 X

Search result v

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NORTH



← NORTH PARCEL LINE →

TP-1 TP-2 TP-3 TP-4



EXISTING SHED

PARCEL # 0711-284-9210-0
30 ACRES

COUNTY HIGHWAY "N"



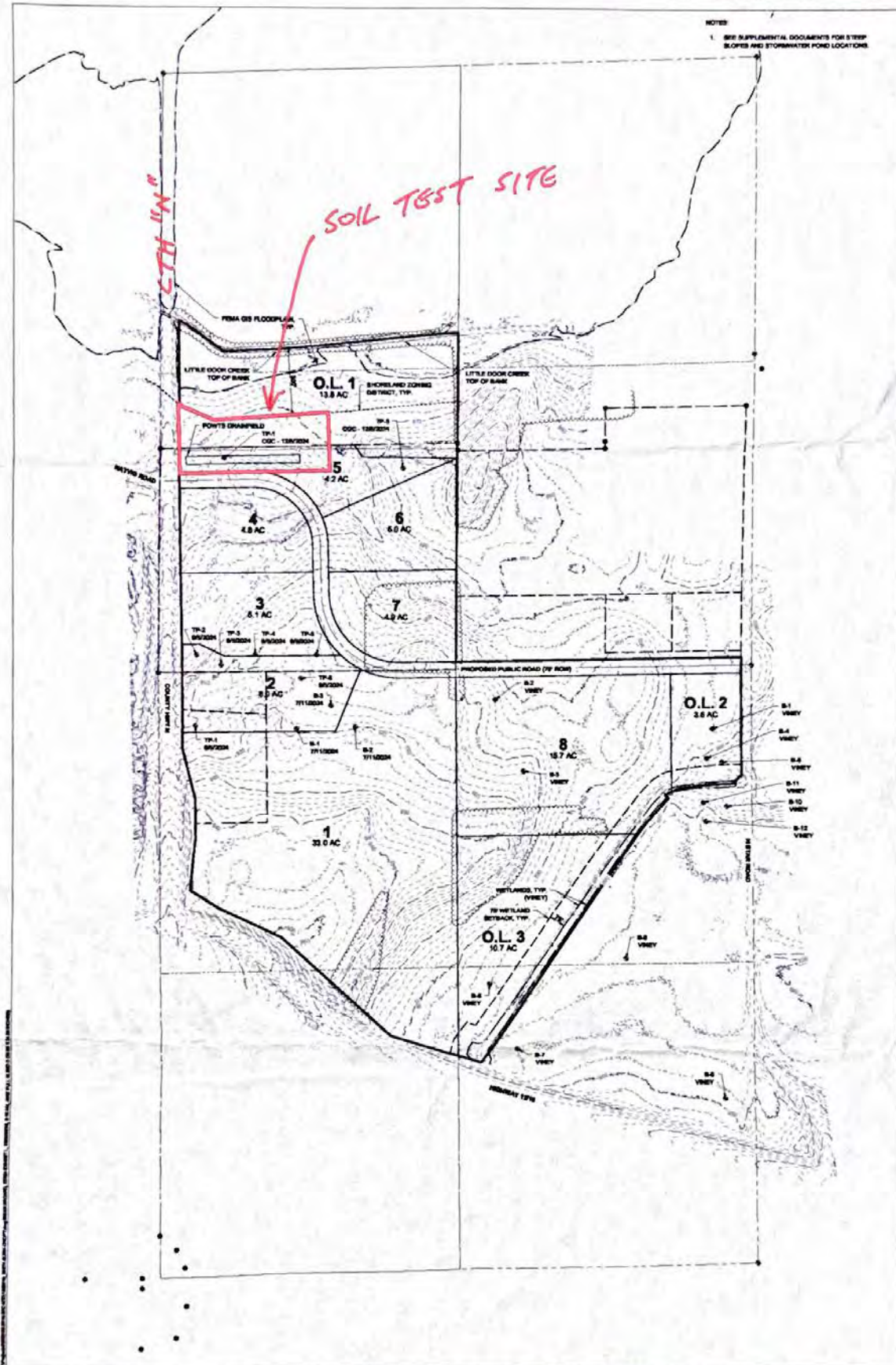
200 ft



Enable clicking the map to get the coordinates



Scale: 1:2257 (18)



5
4.1 AC

NORTH

TP#4
N:469717.1440
E:871026.4245
ELEV.=876.22

← 140' →

TP#3
N:469716.0128
E:870856.2609
ELEV.=875.12

← 175' →

TP#2
N:469712.3635
E:870686.7462
ELEV.=874.24

← 175' →

TP#1
9711.9775
0517.0904
:V.=872.23

PROPOSED SEPTIC FIELD LOCATION

EXISTING
SHED

4
4.7 AC

CTH N

Mike Calkins

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.

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
Office (608)288-4100
Cell (715)296-5858
Fax (608)288-7887

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Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	15.1	13.0	43.2	28.3	0.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4	100.0		
1/2	93.8		
3/8	91.8		
#4	84.9		
#8	74.7		
#10	71.9		
#16	61.6		
#30	44.8		
#40	28.7		
#50	13.1		
#80	2.4		
#100	1.2		
#200	0.4		

* (no specification provided)

Material Description
Brown Fine to Coarse Sand, Some Gravel, Trace Silt

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 7.5097 D₈₅= 4.7852 D₆₀= 1.0847
 D₅₀= 0.6967 D₃₀= 0.4360 D₁₅= 0.3156
 D₁₀= 0.2733 C_u= 3.97 C_c= 0.64

Classification
 USCS= SP AASHTO=

Remarks
 USDA: Gravelly Sand

Sample Number: TP-1

Depth: 2'

Date: 12/6/24



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)

Material Description
Brown Fine to Medium Sand, Some Silt and Gravel

Atterberg Limits
 PL= LL= PI=

Coefficients
 D₉₀= 9.8401 D₈₅= 4.9078 D₆₀= 0.3226
 D₅₀= 0.2522 D₃₀= 0.1321 D₁₅=
 D₁₀= C_u= C_c=

Classification
 USCS= SM AASHTO=

Remarks
 USDA: Gravelly Sandy Loam

Sample Number: TP-3 Depth: 11'

Date: 12/6/24



Client: RG Huston
Project: Skar

Project No: C24448

Figure

Tested By: JFS Checked By: KJS





Attachment 2:

1002-CPS-23
Division of Industry Services
P. O. Box 2658
Madison, Wisconsin 53701
Scott Walker, Governor
Laura Gutierrez, Secretary

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		County <u>Dane</u>
Please print all information		Parcel I.D. <u>0711-3318580-6</u>
Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]		Reviewed by: _____ Date: _____
Property Owner <u>Barnsdale LLC</u>	Property Location	
Property Owner Mail Address <u>3432 A Hwy N</u>	Govt Lot <u>1/4</u> <u>1/4</u> S T N R E (or) W	
City State Zip Code Phone Number <u>Cottage Grove, WI 53527</u>	Lot # _____ Block # _____ Subd. Name or CSM # _____	
Drainage area _____ <input type="checkbox"/> sq. ft. <input type="checkbox"/> acres	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road <u>Hwy N</u>	
Test site suitable for (check all that apply): <input type="checkbox"/> Site not suitable.	Hydraulic Application Test Method <input checked="" type="checkbox"/> Morphological Evaluation <input type="checkbox"/> Double Ring Infiltrometer <input type="checkbox"/> Other (specify) _____	
<input type="checkbox"/> Bioretention; <input type="checkbox"/> Subsurface Dispersal System; <input type="checkbox"/> Reuse; <input type="checkbox"/> Irrigation; <input type="checkbox"/> Other _____	Soil Moisture Date of soil borings: <u>9-5-24</u> USDA-NRCS WETS Value: <input type="checkbox"/> Dry = 1; <input checked="" type="checkbox"/> Normal = 2; <input type="checkbox"/> Wet = 3.	

#OBS. <input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring Ground surface elevation <u>910.33</u> ft Elevation of limiting factor <u>908.33</u> 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	0-12	10YR 3/2	---	sil	2mgr	mfr	cs	5	-	.13
2	12-24	7.5YR 4/6	10YR 7/2	sil	1mgr	mfr	cs	5	-	.11
3	24-77	7.5YR 4/6	flf 7.5YR 5/8	sil	1mgr	mfr	as	50	-	.11
4	77+	10YR 5/1	Bedrock	---	---	---	---	---	---	---
Comments: <u>Solid Bedrock @ 94"</u>										

#OBS. <input checked="" type="checkbox"/> Pit <input type="checkbox"/> Boring Ground surface elevation <u>894</u> ft Elevation of limiting factor <u>893</u> 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	0-12	10YR 3/2	---	sil	2mgr	mfr	cs	5	-	.13
2	12-44	7.5YR 4/6	flf 7.5YR 5/8	sil	1mgr	mfr	as	5	-	.11
3	44-72	10YR 5/1	Bedrock	---	---	---	---	50	-	---
Comments: <u>Solid Bedrock @ 72"</u>										
Name (Please Print) <u>Jeffrey T Leake</u>		Signature <u>Jeffrey T Leake</u>				Credential Number <u>CST#223322</u>				
Address <u>P.O. Box 568 Lake Mills, WI 53551</u>		Date Evaluation Conducted <u>9-5-24</u>				Telephone Number <u>920-968-7567</u>				
SBD-10793 (R01/17)										

TP3 #OBS ☒ Pit ☐ Boring Ground surface elevation 908 ft Elevation of limiting factor 907.25 ft Page 2 of 2

Horizon	Depth in	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frgs.	% Fines	Hydraulic App Rate inches/hr
1	0-9	10YR 3/2	7.5YR 5/8	sil	2mgr	mfr	cs	5	-	.13
2	9-34	7.5YR 4/6	10YR 7/2	scf	1msbk	mfr	qs	5	-	.11
3	34+	10YR 5/4	Bedrock							-

Comments: Solid Bedrock @ 34"

TP4 #OBS ☒ Pit ☐ Boring Ground surface elevation 909.35 ft Elevation of limiting factor 908.6 ft

Horizon	Depth in	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frgs.	% Fines	Hydraulic App Rate inches/hr
1	0-9	10YR 3/2	7.5YR 5/8	sil	2mgr	mfr	cs	5	-	.13
2	9-18	7.5YR 4/6	10YR 7/2	scf	1msbk	mfr	qs	5	-	.11
3	18-30	10YR 5/4	Bedrock					50	-	-

Comments: Solid Bedrock @ 30"

TP5 #OBS ☒ Pit ☐ Boring Ground surface elevation 913 ft Elevation of limiting factor 911 ft

Horizon	Depth in	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frgs.	% Fines	Hydraulic App Rate inches/hr
1	0-9	10YR 3/2	7.5YR 5/8	sil	2mgr	mfr	cs	5	-	.13
2	9-24	7.5YR 4/6	10YR 7/2	scf	1msbk	mfr	cs	5	-	.11
3	24-58	7.5YR 4/6	10YR 7/2	scf	1fsbk	mfr	qs	5	-	.11
4	58+	10YR 5/4	Bedrock							-

Comments: Solid Bedrock @ 58"

TP6 #OBS ☒ Pit ☐ Boring Ground surface elevation 914.07 ft Elevation of limiting factor 912.07 ft

Horizon	Depth in	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frgs.	% Fines	Hydraulic App Rate inches/hr
1	0-9	10YR 3/2	7.5YR 5/8	sil	2mgr	mfr	cs	5	-	.13
2	9-24	7.5YR 4/6	10YR 7/2	scf	1msbk	mfr	cs	5	-	.11
3	24-50	7.5YR 4/6	10YR 7/2	scf	1fsbk	mfr	qs	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 # Subd. Name or CSM# 1 2323	
City COTTAGE GROVE WI 53527	State WI	Zip Code 53527	Phone Number
<input type="checkbox"/> City		<input checked="" type="checkbox"/> Town	Nearest Road
		COTTAGE GROVE	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 and recommendations: EXISTING COMMERCIAL BUILDINGS, POSSIBLE EXPANSION, ADDITIONAL LAND TO BE 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	
1	#	<input checked="" type="checkbox"/> Pit	Ground surface elev. 918.28'
		Depth to limiting factor 20"	
Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color
Ap	0-12	10YR3/2	sil
Bt1	12-20	10YR4/4	sic1
Bt2	20-33	10YR4/4	c1d10YR6/6 6/1
R	33+		*

Boring <input type="checkbox"/> Boring		* weakly cemented sandstone	
2	#	<input checked="" type="checkbox"/> Pit	Ground surface elev. 918.23'
		Depth to limiting factor 19"	
Horizon	Depth inches	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color
Ap	0-9	10YR3/2	sil
Bt1	9-19	10YR4/4	sic1
Bt2	19-32	10YR4/4	c1d10YR6/6 6/1
C	32-47	10YR4/4	c2d10YR6/6 6/1
R	47+		*

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

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 ²	
									*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

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 ²	
									*Eff#1	*Eff#2

Boring ☐ Boring

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 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

BARNSDALE LLC

PAGE 3 OF 3

LOT 1,
CSM 2323
1.5 ACRES

C T H " N " R / W

RP = TOP OF
DRIP CAP
ELEV. = 915.3'

APPROX. LOT LINE

DRIVE/
PARKING

EXISTING
SEPTIC
TANK
OUTLET~907.3

EXISTING
COMMERCIAL
BUILDING

EXISTING
PUMP TANK

EXISTING
MOUND

APPROX. LOT LINE

DRIVE/
PARKING

ADDITIONAL LAND TO BE PURCHASED
FROM PARCEL#
018/0711-331-8501-1

FIRE#
3432

EXISTING
COMMERCIAL
BUILDING

APPROX. LOT LINE

BM = TOP OF
WELL, IN CENTER
ELEV. = 915.9'

Scale: 1"=80'



EDGE OF FIELD

B-1

4%

B-3

6%

914'

915'

916'

917'

918'

919'

B-2

AREA SUITABLE
FOR MOUND
DRAINFIELD

- * 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

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

N



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 ½ 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. PLEASE PRINT ALL INFORMATION		COUNTY DANE
		PARCEL ID 0711-331-8000-7/-9502-8
PROPERTY OWNER Don Viney	PROPERTY LOCATION Govt. Lot <u>NE</u> , & SE <u>¼</u> , <u>NE</u> <u>¼</u> , S <u>33</u> , T <u>7</u> , R <u>11</u> E	
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	PHONE 608-628-4653	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 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 _____	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: <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.

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	0-14	10YR 3/2	none	SIL	2msbk	mfr	cs	0	0	0.13
2	14-38	10YR 4/4	none	SCL	2msbk	mfr	cs	0	0	0.11
3	38-120	10YR 6/4	none	gr. LCS**	0sg	ml	--	10	0	3.60

Comments:

**gr. LCS is gravelly Loamy Coarse Sand.

B-11 #OBS. ☒ Pit ☐ Boring Ground Surface Elevation 887.2 ft. Elevation of Limiting Factor 883.9 ft.

[illegible]

Comments:

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

B-12 #OBS. ☒ Pit ☐ Boring Ground Surface Elevation 892.4 ft. Elevation of Limiting Factor 880.4 ft.

[illegible]

Comments:

** gr. LCS is gravelly Loamy Coarse Sand.

Overall Site Comments:

Richard C. Herro / Rick Herro Soil Testing LLC

Richard S. Herro

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



071133195028

Search result



PARCEL #

0711-331-8000-7

NE 1/4 NE 1/4

SEC. 33, T7N, R11E

925

915

905

895

895

PARCEL #

0711-331-9502-8

SE 1/4 NE 1/4

SEC. 33, T7N, R11E

900

12

905

Ofsthun Rd

er Rd

NORTH

870

885

895

900

910

915

920

925

935

940

945

950

Concept Map

VINEY ACRES BUSINESS PARK

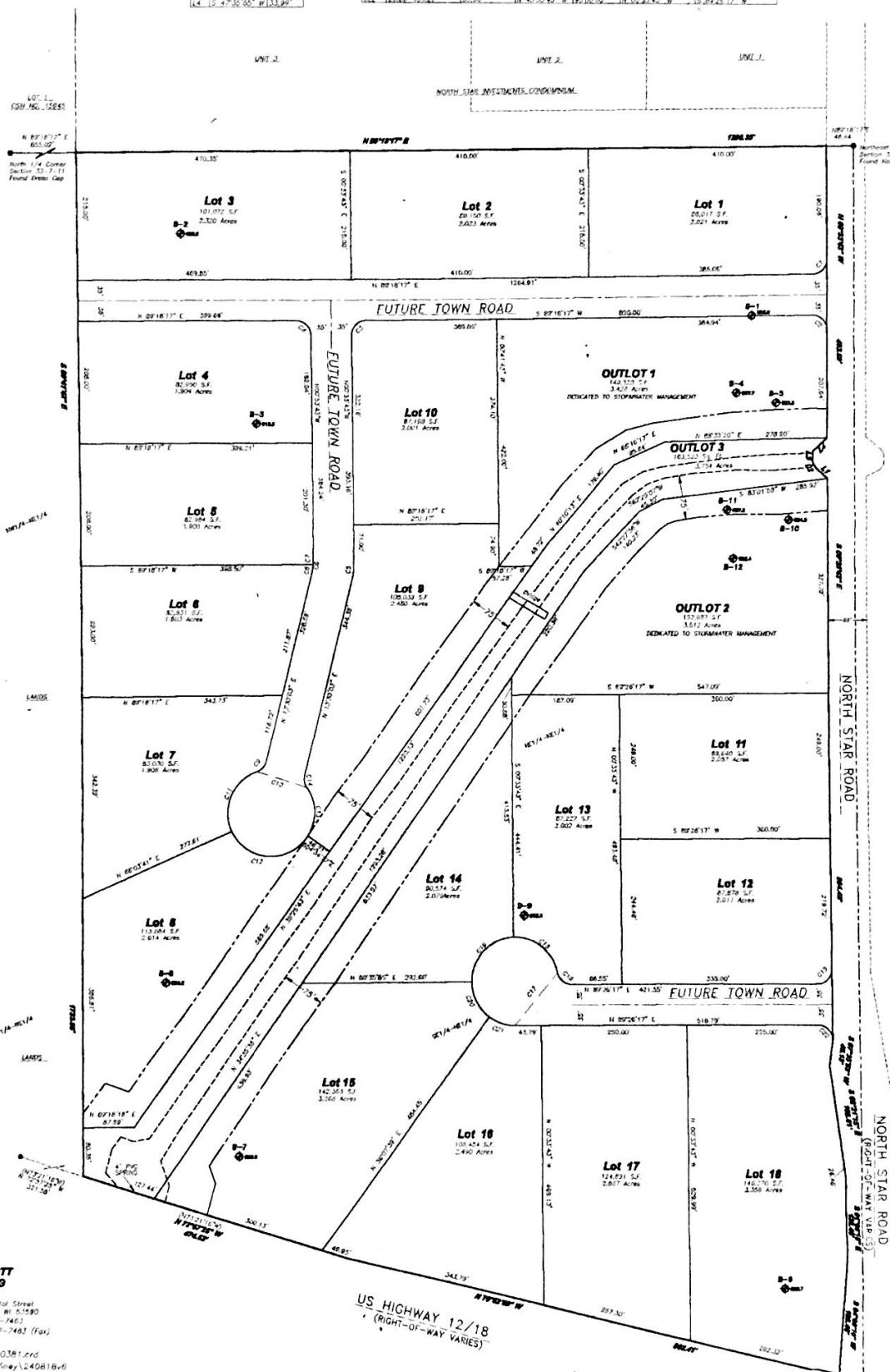
Part of the Northeast 1/4 of the Northeast 1/4 and the Southeast 1/4 of the Northeast 1/4 of Section 35, T1N, R12E, Town of Cottage Grove, Dane County, Wisconsin.

Scale 1" = 100'

North Arrow
The bearing to the North Arrow is N 89° 18' 17" E, 100.00'.

Legend:

- Section Corner
- Found 3/4" Iron Bar
- Delineated Boundary per Ruskert and Marko, Project 8045-10000 Dated 11/20/2024
- 75' National Gridline
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J:\2022\Carlson\220381.crd
L:\2024\240818- Viney\240818.v6

Sheet 1 of 1

Office Map No. 240818v6

US HIGHWAY 12/18
(RIGHT-OF-WAY VARIES)