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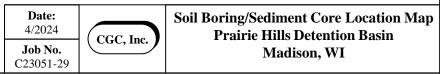
## Legend

 $\blacklozenge$  Denotes boring/core location

## Notes

- 1. Soil Borings (B) performed by OSE (B1 and B2) in December 2023 and ADC (B3 and B4) in March 2024
- 2. Sediment Cores (SBL) recovered by CGC in January 2024
- 3. Boring/Core locations are approximate

## Scale: Reduced



	G	CI	n		LOG OF TEST BORINGProjectPrairie Hills Detention BasinLocationMadison, WI	Job No.	levation C	1         ation (ft)       1002±         C23051-29       1         1       of       1         ROPERTIES         W       LL       PL       LOI         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I		
	SA	MPL	E	29	21 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)		PRO	PEF	RTIE	S
	T Rec			Depth	VISUAL CLASSIFICATION and Remarks	qu				
No.	P <sub>E</sub> (in.)	Moist	N	(ft)	6 in. TOPSOIL	(qa) (tsf)	w		ЪГ	LOI
1	17	M	12		Medium Dense, Dark Brown SILT (ML)					
2	12	M	20	└─ + ⊢ ↓ 5-						
3	15	M	9		Very Stiff to Medium Stiff, Gray and Brown (Mottled) Lean CLAY, Trace Sand (CL)	(3.0)				
4	12	M	4	⊢ ⊥ └ ┌ ┬ ↓ 10-		(0.75)				
5	15	M	6			(1.0)				
6	12	M/W	21	 +	Loose, Varved Gray and Brown Silty CLAY and SILT, Trace Sand (CL-ML/ML)					
					Medium Dense to Dense, Brown Fine to Coarse SAND and GRAVEL, Some Silt, Scattered Cobbles (SM/GM) End of Boring at 15 ft Borehole Backfilled with Bentonite Chips					
			W			GENERA	L NC	DTES	5	
Time Dept Dept	h to W h to C	Drillin ater ave in	ng	NW	Driller	2/11/23EndOSEChiefWillEditonod2.25"	r ES	ge I F		322DT er

	G	CI	n		LOG OF TEST BORING         Project       Prairie Hills Detention Basin         Location       Madison, WI         21 Perry Street, Madison, WI 53713       (608) 288-4100, FAX (608)	Surface El Job No. Sheet					
	SA	MPL	E		VISUAL CLASSIFICATION	SOIL	PRC	PEF	RTIE	S	
No.	T Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa)	w	LL	PL	LOI	
	E			 	5 in. TOPSOIL	(tsf)					
1	15	M	6	- 	FILL: Loose Brown Silt with Sand, Gravel and Clay						
2	20	M	10		Very Stiff to Medium Stiff, Gray and Brown (Mottled) Lean CLAY, Trace Sand (CL)	(2.5)					
3	16	M	5	 		(1.0)					
4	11	M/W	2	┝── └ └ ┌ ╆── 10──	Becomming Very Soft Near 8 ft	(<0.25)					
5	9	M	63	⊢ └_ └_	Very Dense to Medium Dense, Brown Fine to Medium SAND, Some Gravel, Little Silt, Scattered Cobbles (SP-SM)	_					
6	9	M/W	26	 + ⊢ ↓ ↓							
					End of Boring at 15 ft						
					Borehole Backfilled with Bentonite Chips						
			w		LEVEL OBSERVATIONS	GENERA	LNC	DTES			
Time Deptl Deptl	While Drilling       ✓       NW       Upon Completion of Drilling										

					LOG OF TEST BORING	Boring No	0	3	3	
	G	CI	n	<b>c.)</b>	Project <b>Prairie Hills Detention Basin</b>	Surface E	Elevation			÷
					Location Madison, WI					
				29	21 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608	) 288-7887 —				
	SA	MPL	E		VISUAL CLASSIFICATION	SOIL	re Elevation (ft)       999±         o.       C23051-29         1       of       1         DIL PROPERTIES         N       LL       PL       L         N       L       N       L         N       L       N       L         N       L       N       L         N       L       N       L         N       L       N       L         N       L       N       L         N       L       N       L         N       L       L       L         N       L       L         N <td< th=""></td<>			
No.	T Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	W	LL	PL	LOI
				† ⊢	10 in. TOPSOIL					
1	16	М	7	╊ ┣- ╹	Stiff, Brown Silty CLAY (ML-CL)	(1.5)				
2	13	М	19		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
3	15	M	23							
4	14	M	14							
				       10−  -	Weathered to Competent, Reddish-Brown to Tan					
5	15	М	51		Sandstone Bedrock					
6	4	М	50/4'	↓ ┝── ┝─ ↓ 15─						
7	2	M	50/2'		Pinkish-White Near 19'					
				F + 20-	End of Boring at 20 ft					
					Backfilled with Bentonite Chips					
				⊢ ⊢ ∟ 25−						
			W	ATER	LEVEL OBSERVATIONS	GENERA		TES	5	
Time Dept Dept	e Drill After h to W h to C	Drilli ater ave in	C		Upon Completion of Drilling Start Driller Logger Drill Met	4/15/24         End           OSE         Chiet           TN         Edito           hod         2.25"	f CJ or ES	J F F	-	

C	G	СІ	nc		LOG OF TEST BORINGProjectPrairie Hills Detention BasinLocationMadison, WI	Boring No Surface E Job No. Sheet	levatior C	n (ft) 23051	-29	
	<b>•••</b>		_	_ 29	21 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)					
	SA	MPL	.E	-	VISUAL CLASSIFICATION	SOIL	PRO	PE	KIIE	:5
No.	Rec (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa)	w	LL	PL	LOI
I	E ()				5 in. TOPSOIL	(tsf)	+			
1	16	M	15		Medium Dense, Brown Fine SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM; Possible Fill to 3')					
2	10	М	29	  -   						
				L	Highly Weathered, Reddish-Brown Sandstone Bedrock					
3	13	М	15		Beulock					
4	16	M	10							
4			10	└── └ ┌ ┌── 10─						
5	14	М	16	⊢ └ !						
6	12	М	98/9"	Ļ	Weathered to Competent, Yellowish-Tan Sandstone Bedrock	_				
7	3	M	50/3"	└ 15— └ └ └ └ └ └ └ └						
	_									
				╆ <u>2</u> 0− ┝	End of Boring at 20 ft					
				Г     Г	Backfilled with Bentonite Chips					
	1	1	W	ATER	LEVEL OBSERVATIONS	GENERA	LNC	TES	5	<u>L</u>
Time Depth Depth	h to W h to C	Drilli ater ave in	ng	ines re		/15/24 End OSE Chief TN Edito nod 2.25" 1		JF F	-	822DT er

C	CGC Inc. SAMPLE				Ľ	LOG OF SEDIMENT CORE         roject       Prairie Hills Detention Basin         ocation       Madison, WI         y street, Madison, WIS. 53713       (608) 288-4100, FAX (608)	BasinSurface ElevationJob No.C23051-Sheet1 of					997± 29	
	SA	MPL	E			VISUAL CLASSIFICATION		SOIL PROPERTIES					
No. P	Rec (in.)	Moist	N	Depth (ft)		and Remarks		Electrical	w	LL	LI	pH (in.)	
	(in.)			(ft)		7 in. Ice 20 in. Water Gray and Dark Gray Fine to Coarse Sand Gray Clay with Scattered Sand Gray Clay with Scattered Sand Reddish-Brown Sandy SILT, Trace to Little Clay (ML) (Possible Highly Weathered Sandstone Bedrock) End of Core at 6 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips		(0.3)				(in.)	
			W		<u>t</u>	EVEL OBSERVATIONS	G	ENERA	L NC	TES	5		
While H Time A Depth to Depth to The soil	fter E to Wa to Cav	xcava ter ve in	ting	 Lines re transiti		Upon Completion of Drilling Start Driller Logger Equip. U	CC ES	6/24 End GC Chief GF Editor Piston S	Sampl	F er	· · · · · · · · · · · · · · · · · · ·		

		Job No.					SBL-2           tion         997±           C23051-29         1           of         1			
SAMPLE				IL PRC	PFF	RTIF	S			
- 	Depth	VISUAL CLASSIFICATION				· · · -				
No. P E (in.) Moist	N (ft)	and Remarks	Electric		LL	LI	pH (in.)			
		8 in. Ice         30 in. Water         Dark Gray Organic Silt with Seams of Silty Fine Sand         Brown and Reddish-Brown Silty Fine to Medium Sand, Some Gravel (SM - Possible Highly Weathered Sandstone Bedrock)         End of Core at 6 ft Due to Significant Sampling Resistance         Backfilled with Bentonite Chips								
	WATER	LEVEL OBSERVATIONS	GENEF	RAL NO	DTES	5				
While Excavating $\underline{\nabla}$		Upon Completion of Drilling Start	1/26/24 Er		/24					
Time After Excavatin Depth to Water	g	Driller		nef litor ES	F					
Depth to Cave in				on Sampl		····				
The stratificatio soil types and th	n lines re e transiti	present the approximate boundary between								

CGC Inc.	LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608)	
SAMPLE		SOIL PROPERTIES
T Rec Depth	VISUAL CLASSIFICATION and Remarks	· · · · ·
No. P E (in.) Moist N (ft)	8 in. Ice	Electrical W LL LI pH Conductivity (in.)
	15 in. Water         Dark Gray Organic Silt with Sand Seams and Gravel         End of Core at 3.1 ft Due to Sampler Refusal on Presumed Cobble. Moved 5'E and Performed SBL-3X.         Backfilled with Bentonite Chips	
	R LEVEL OBSERVATIONS	GENERAL NOTES
While Excavating       ✓         Time After Excavating	Driller Logger Equip. Us	/26/24 End 1/26/24 CGC Chief . ESF Editor ESF

		LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608)	I						
SAMPLE	_ 2921			SOIL PROPERTIES					
T Rec Maint N	Depth	VISUAL CLASSIFICATION and Remarks							
No. $\frac{1}{P}$ (in.) Moist N	(ft)		Electrical Conductivity	W LL	LI	pH (in.)			
		8 in. Ice         15 in. Water         Dark Gray Organic Silt         Gray and Brown Clay mixed with Sand and Grave         Reddish-Brown Sandy SILT, Trace to Little Clay (ML - Possible Highly Weathered Sandstone Bedrock)         End of Core at 5.75 ft Due to Significant Sampling Resistance         Backfilled with Bentonite Chips	(0.3) (0.5) g						
	AIER	LEVEL OBSERVATIONS	GENERA		3				
While Excavating $\underline{\nabla}$ Time After ExcavatingDepth to WaterDepth to Cave in		Driller	1/30/24 End CGC Chief ESF Editor Jsed: Piston		•				
	lines re transiti	present the approximate boundary between on may be gradual.		~~~P~~~					

CGC Inc.	LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608)	Sheet <u>1</u> of <u>1</u>						
SAMPLE	VISUAL CLASSIFICATION		SOIL PROPERTIES					
No. $\begin{array}{c} T \\ Y \\ P \\ R \\ (in.) \end{array}$ Moist N Depth (ft)		Electrical	w	LL L:	I pH (in.)			
<ul> <li>i</li> <li>i</li></ul>	6 in. Ice         14 in. Water         Dark Gray Organic Silt         Gray and Brown Clay Mixed with Sand and Gravel         Reddish-Brown Sandy Silt, Trace to Little Clay (ML - Possible Highly Weathered Sandstone Bedrock)         End of Core at 5.5 ft Due to Significant Sampling Resistance         Backfilled with Bentonite Chips	Conductivity (0.5) (0.5)						
10								
	R LEVEL OBSERVATIONS	GENERA						
While Excavating       ↓         Time After Excavating       _         Depth to Water       _         Depth to Cave in       _         The stratification lines is soil types and the transit	Driller	/26/24       End         CGC       Chief         ESF       Editor         ed:       Piston	ESF	•				

		LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX	1	I				
SAMPLE	2521	VISUAL CLASSIFICATION	. (000)	SOIL	PRO	PEF	RTIE	S
No. 1 Moist N	Depth	and Remarks		Electrical	w	LL	LI	pH (in.)
	(ft) _ _ _ _ _ _ _ _ _ _ _ _ _	11 in. Ice         47 in. Water         Dark Gray Organic Silt and Clay         Light Brown Fine Sand, Trace Silt (SP)         End of Core at 7 ft Due to Significant Sampli Resistance         Backfilled with Bentonite Chips	ng	(<0.25)				
	TER	LEVEL OBSERVATIONS		SENERA			5	
While Excavating       ↓         Time After Excavating       ↓         Depth to Water       ↓         Depth to Cave in       ↓         The stratification line       ↓	nes re	Upon Completion of Drilling Start Drille Uppresent the approximate boundary between on may be gradual.	er Co er E	7/24 End GC Chief SF Editor : Piston S	Sampl	F er	·····	

		LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, F		Job No.	face Elevation         997±           o No.         C23051-29           eet         1         of         1					
SAMPLE	_ 2921	VISUAL CLASSIFICATION	AK (008) 2	SOIL	PRO	PEF	RTIE	S		
	Depth	and Remarks	_	Electrical W LL LI						
No. P E (in.) Moist N	(ft)			Electrical Conductivity	w	11	-11	pH (in.)		
	- - - - - - - - - - - - - - - - - - -	9 in. Ice 21 in. Water Dark Gray Organic Silt Very Soft to Stiff, Gray and Brown (Mottled) CLAY (CL) End of Core at 5 ft Due to Significant Samp Resistance Backfilled with Bentonite Chips	pling	(0.25) (0.5) (1.0)						
W	ATER	LEVEL OBSERVATIONS	G	ENERA	LNC	TES	5			
While ExcavatingTime After Excavating			ller CC	<b>C</b> Chief	1/27	•				
Depth to Water Depth to Cave in		↓Log	gger ES uip. Used:	F Editor Piston S	ES Sample	F er				
	The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									

		LOG OF SEDIMENT CORE         Project       Prairie Hills Detention Basin         Location       Madison, WI         PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608)	I						
SAMPLE	2921	VISUAL CLASSIFICATION		SOIL PROPERTIES					
No. $\begin{array}{c} T \\ Y \\ P \\ E \\ (in.) \end{array}$ Moist N	Depth (ft)	and Remarks	Electrical	w	LL	LI	pH (in.)		
	- - - - - - - - - - - - - - - - - - -	11 in. Ice         18 in. Water         Dark Brown and Gray Fine to Coarse Sand with Silt and Gravel         Soft to Medium Stiff, Gray and Brown (Mottled)         Lean Clay (CL)         End of Core at 5.5 ft Due to Significant Sampling Resistance         Backfilled with Bentonite Chips	(0.5) (0.75) (0.75)		ΓES				
While Excavating $\Sigma$			/27/24 End	1/27/2					
Time After Excavating			CGC Chief		•				
Depth to Water Depth to Cave in		Equip. Us	ESF Editor ed: Piston	· ESF Samplei	r				
	nes re ansiti	present the approximate boundary between on may be gradual.							

LOG OF SEDIMENT CORE Core No. SBL-8												
CGC Inc.						oject Prairie Hills Detention Basin	Surface Elevation 997± Job No. C23051-29					
					Lo	ocation Madison, WI						
						PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887						
SAMPLE						VISUAL CLASSIFICATION	SOIL PROPERTIES					
No.	Y Rec P E (in.)	Moist	N	Depth (ft)		and Remarks	Electrical Conductivity	W	LL	LI	pH (in.)	
				- - - - - - - - - - - - - - - - - - -		<ul> <li>11 in. Ice</li> <li>7 in. Water</li> <li>Dark Brown and Gray Fine to Coarse Sand with Silt and Gravel</li> <li>Gray Clay Mixed with Sand</li> <li>Gray Clay Mixed with Sand</li> <li>Reddish-Brown Silty Fine to Medium Sand, Some Gravel (SM)</li> <li>End of Core at 5.5 ft Due to Significant Sampling Resistance</li> <li>Backfilled with Bentonite Chips</li> </ul>	(0.5) (0.5)					
				10								
WATER LEVEL OBSERVATIONS							GENERAL NOTES					
						Upon Completion of Drilling Start Driller	Start 1/27/24 End 1/27/24 Driller CGC Chief					
Depth to Water						Logger	Logger ESF Editor ESF					
Depth to Cave in							Equip. Used: <b>Piston Sampler</b>					

C	G		nc		LOG OF SEDIMENT CORECore No.SBL-9ProjectPrairie Hills Detention BasinSurface Elevation997±Job No.C23051-29Job No.C23051-29LocationMadison, WISheet1 of1								
SAMPLE					VISUAL CLASSIFICATION FAX (608) VISUAL CLASSIFICATION	SOIL PROPERTIES							
No. T	T Rec Depth			-	and Remarks	Electrical	w	LL	LI	pH (in.)			
	5 (in.)			(ft)	10 in. Ice         15 in. Water         Dark Gray Organic Silt         Medium Stiff to Stiff, Gray and Brown (Mottled)         Lean CLAY (CL)         End of Core at 4.5 ft Due to Significant Sampling Resistance         Backfilled with Bentonite Chips	(1.0) (1.25) (1.25)							
While	WATER LEVEL OBSERVATIONS							GENERAL NOTES					
Time After Excavating      Depth to Water					□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Start       1/27/24       End       1/30/24         Driller       CGC       Chief       .         Logger       ESF       Editor       ESF         Equip. Used:       Piston Sampler							