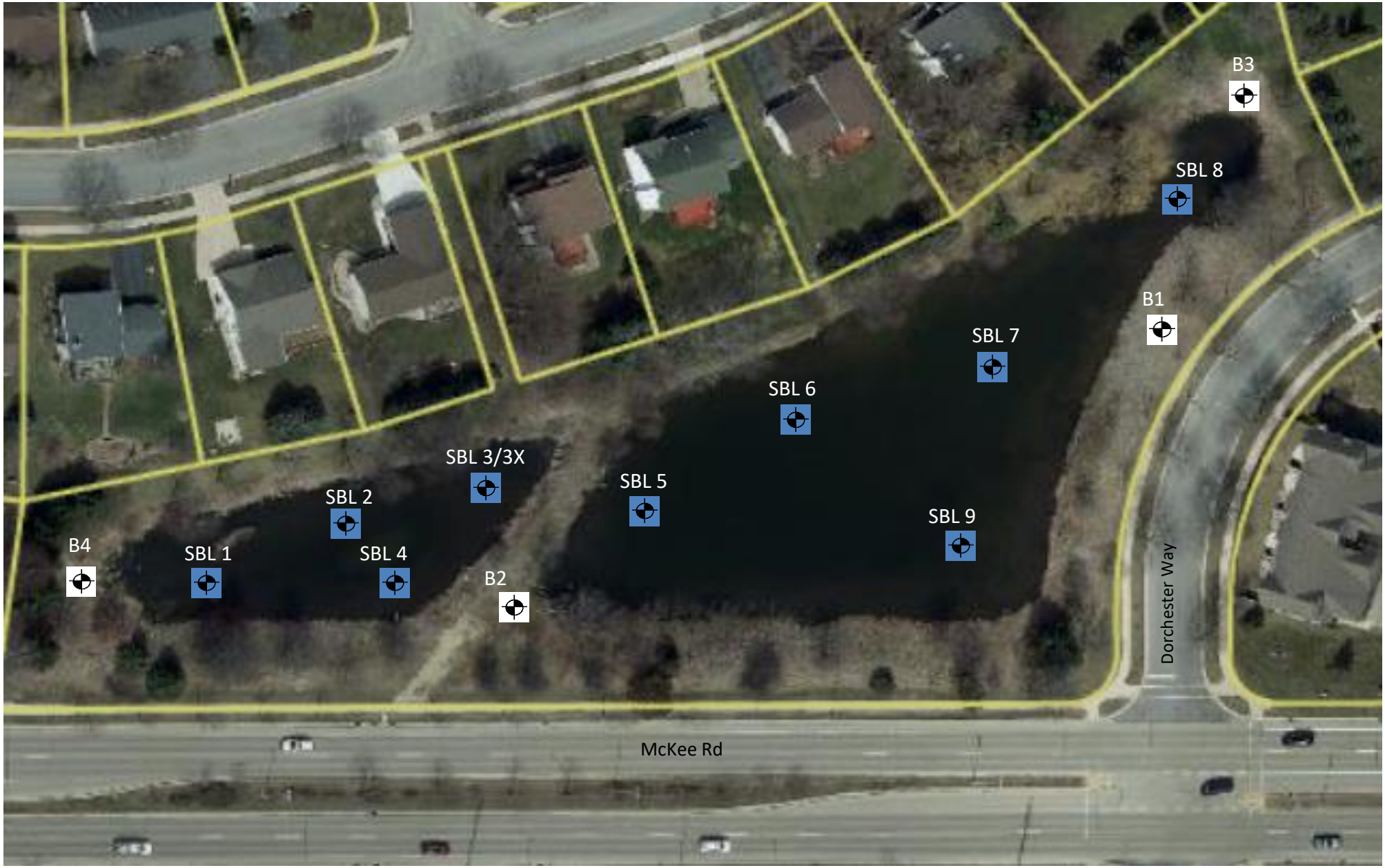

Legend

Denotes boring/core location

N

Scale: Reduced

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

Date: 4/2024	CGC, Inc.	**Soil Boring/Sediment Core Location Map**
Job No. C23051-29		**Prairie Hills Detention Basin**
		Madison, WI

CGC Inc.

LOG OF TEST BORING

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Boring No. **1**
Surface Elevation (ft) **1002±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LOI
						6 in. TOPSOIL					
1	■	17	M	12		Medium Dense, Dark Brown SILT (ML)					
2	■	12	M	20							
					5						
						Very Stiff to Medium Stiff, Gray and Brown (Mottled) Lean CLAY, Trace Sand (CL)					
3	■	15	M	9			(3.0)				
4	■	12	M	4			(0.75)				
					10						
5	■	15	M	6			(1.0)				
						Loose, Varved Gray and Brown Silty CLAY and SILT, Trace Sand (CL-ML/ML)					
6	■	12	M/W	21							
					15	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					
					20						
					25						

WATER LEVEL OBSERVATIONS

While Drilling ▽ **NW** Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____ ▼
Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **12/11/23** End **12/11/23**
Driller **OSE** Chief **Gage** Rig **7822DT**
Logger **Will** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

LOG OF TEST BORING

CGC Inc.

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Boring No. **2**
Surface Elevation (ft) **999±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LOI
						5 in. TOPSOIL					
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)				
					5						
3	■	16	M	5			(1.0)				
						Becomming Very Soft Near 8 ft					
4	■	11	M/W	2			(<0.25)				
					10						
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							
					15	End of Boring at 15 ft					
						Borehole Backfilled with Bentonite Chips					
					20						
					25						

WATER LEVEL OBSERVATIONS

While Drilling ▽ **NW** Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____ ▼
Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **12/11/23** End **12/11/23**
Driller **OSE** Chief **Gage** Rig **7822DT**
Logger **Will** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

LOG OF TEST BORING

CGC Inc.

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Boring No. **3**
Surface Elevation (ft) **999±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
						10 in. TOPSOIL					
1		16	M	7		Stiff, Brown Silty CLAY (ML-CL)	(1.5)				
						Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		13	M	19							
					5						
3		15	M	23							
4		14	M	14							
					10						
						Weathered to Competent, Reddish-Brown to Tan Sandstone Bedrock					
5		15	M	51							
6		4	M	50/4"							
					15						
7		2	M	50/2"							
						Pinkish-White Near 19'					
					20						
						End of Boring at 20 ft					
						Backfilled with Bentonite Chips					
					25						

WATER LEVEL OBSERVATIONS

While Drilling ▽ **NW** Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____ ▼
Depth to Cave in _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **4/15/24** End **4/15/24**
Driller **OSE** Chief **CJ** Rig **7822DT**
Logger **TN** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

LOG OF TEST BORING

CGC Inc.

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Boring No. **4**
Surface Elevation (ft) **998±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LOI
						5 in. TOPSOIL					
1	■	16	M	15		Medium Dense, Brown Fine SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM; Possible Fill to 3')					
2	■	10	M	29	5						
						Highly Weathered, Reddish-Brown Sandstone Bedrock					
3	■	13	M	15							
4	■	16	M	10	10						
5	■	14	M	16							
6	■	12	M	98/9"		Weathered to Competent, Yellowish-Tan Sandstone Bedrock					
7	■	3	M	50/3"	15						
					20	End of Boring at 20 ft Backfilled with Bentonite Chips					
					25						

WATER LEVEL OBSERVATIONS

While Drilling ▽ **NW** Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____ ▼
Depth to Cave in **16.7'**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **4/15/24** End **4/15/24**
Driller **OSE** Chief **CJ** Rig **7822DT**
Logger **TN** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-1**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						7 in. Ice 20 in. Water					
						Gray and Dark Gray Fine to Coarse Sand					
						Gray Clay with Scattered Sand	(0.3)				
					5	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					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/26/24** End **1/26/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-2**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						8 in. Ice 30 in. Water					
					5	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					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating				
Depth to Water				▼
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/26/24** End **1/26/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-3**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						8 in. Ice 15 in. Water					
						Dark Gray Organic Silt with Sand Seams and Gravel					
					5	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					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ _____ Upon Completion of Drilling _____
Time After Excavating _____ _____ _____ _____
Depth to Water _____ _____ _____ _____ ▼
Depth to Cave in _____ _____ _____ _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/26/24** End **1/26/24**
Driller **CGC** Chief _____
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

LOG OF SEDIMENT CORE

CGC Inc.

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-3X**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (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 Gravel	(0.3)				
					5	Reddish-Brown Sandy SILT, Trace to Little Clay (ML - Possible Highly Weathered Sandstone Bedrock)	(0.5)				
						End of Core at 5.75 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ _____ Upon Completion of Drilling _____
Time After Excavating _____ _____ _____ _____
Depth to Water _____ _____ _____ _____ ▼
Depth to Cave in _____ _____ _____ _____

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/30/24** End **1/30/24**
Driller **CGC** Chief _____
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-4**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						6 in. Ice 14 in. Water					
						Dark Gray Organic Silt					
						Gray and Brown Clay Mixed with Sand and Gravel	(0.5) (0.5)				
					5	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					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/26/24** End **1/30/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-5**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						11 in. Ice 47 in. Water					
					5	Dark Gray Organic Silt and Clay	(<0.25)				
						Light Brown Fine Sand, Trace Silt (SP)					
						End of Core at 7 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽		Upon Completion of Drilling		
Time After Excavating				
Depth to Water				▼
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/27/24** End **1/27/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-6**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						9 in. Ice 21 in. Water					
						Dark Gray Organic Silt					
						Very Soft to Stiff, Gray and Brown (Mottled) Lean CLAY (CL)	(0.25) (0.5) (1.0)				
					5	End of Core at 5 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/27/24** End **1/27/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-7**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						11 in. Ice 18 in. Water					
						Dark Brown and Gray Fine to Coarse Sand with Silt and Gravel					
					5	Soft to Medium Stiff, Gray and Brown (Mottled) Lean Clay (CL)	(0.5) (0.75) (0.75)				
						End of Core at 5.5 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/27/24** End **1/27/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-8**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						11 in. Ice 7 in. Water					
						Dark Brown and Gray Fine to Coarse Sand with Silt and Gravel					
						Gray Clay Mixed with Sand	(0.5) (0.5)				
					5	Reddish-Brown Silty Fine to Medium Sand, Some Gravel (SM)					
						End of Core at 5.5 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/27/24** End **1/27/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**

CGC Inc.

LOG OF SEDIMENT CORE

Project **Prairie Hills Detention Basin**

Location **Madison, WI**

Core No. **SBL-9**
Surface Elevation **997±**
Job No. **C23051-29**
Sheet **1** of **1**

2921 PERRY STREET, MADISON, WIS. 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		Electrical Conductivity	W	LL	LI	pH (in.)
						10 in. Ice 15 in. Water					
						Dark Gray Organic Silt					
						Medium Stiff to Stiff, Gray and Brown (Mottled) Lean CLAY (CL)	(1.0) (1.25) (1.25)				
					5	End of Core at 4.5 ft Due to Significant Sampling Resistance Backfilled with Bentonite Chips					
					10						

WATER LEVEL OBSERVATIONS

While Excavating ▽ Upon Completion of Drilling

Time After Excavating

Depth to Water ▼

Depth to Cave in

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start **1/27/24** End **1/30/24**
Driller **CGC** Chief
Logger **ESF** Editor **ESF**
Equip. Used: **Piston Sampler**