

APPENDIX A

**SOIL BORING LOCATION MAP
LOGS OF TEST BORINGS (5)
LOG OF TEST BORING-GENERAL NOTES
UNIFIED SOIL CLASSIFICATION SYSTEM**



Legend

☩ Denotes Boring Location



Notes

1. Soil Borings performed by Badger State Drilling in March 2022
2. Boring locations are approximate

Scale: Reduced

Date: 3/2022	
Job No. C22051-4	

Soil Boring Location Map
Thurber Avenue Area
Madison, WI



LOG OF TEST BORING

Project Thurber Ave. Area
 Location Worthington: 135'E of Rethke, 2'S of Centerline
Blooming Grove, WI

Boring No. 1
 Surface Elevation (ft) 852±
 Job No. C22051-4
 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
					X	3 in. Asphalt Pavement/6 in. Base Course				
1	█	14	M	17*	█	FILL: Very Stiff Bluish-Gray Clay with Sand to 3'				
2	█	12	M	12	█	Medium Dense Gray Sand Mixed with Soft to Medium Stiff Gray Clay to 5.5'				
3	█	10	W	16	█	Stratified Medium Dense, Gray/Dark Gray Sandy SILT and Soft to Medium Stiff Lean CLAY (ML/CL)				
4	█	16	W	6	█	Loose to Medium Dense, Brown to Gray Fine to Medium SAND, Some Silt and Gravel, Trace Clay, Scattered Cobbles and Boulders (SM)				
5	█	18	W	12	█					
6	█	3	W	50/3"	█	End of Boring at 13.8 ft Due to Spoon Refusal on Presumed Boulder/Possible Bedrock				
Backfilled with Bentonite Chips and Asphalt Patch										
*Sample 1 Partially Frozen										

WATER LEVEL OBSERVATIONS

While Drilling ∇ 6.0' Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____ 10.5'

GENERAL NOTES

Start 3/10/22 End 3/10/22
 Driller BSD Chief MC Rig CME-55
 Logger KD Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Thurber Ave. Area
Worthington: 85'W of Powers, 3'S of Centerline
 Location Blooming Grove, WI

Boring No. 2
 Surface Elevation (ft) 853±
 Job No. C22051-4
 Sheet 1 of 1

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SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	DEPTH (ft)	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					X	3 in. Asphalt Pavement/7 in. Base Course				
1	8	M	17*		X	FILL: Stiff Brown Clay with Sand (1.75)				
2	16	M	16		X	Medium Dense, Brown Fine Sand, Trace to Little Silt (SP/SP-SM) (Possible Fill to 4.5')				
3	14	W	26		X	Stratified Loose to Very Loose, Gray and Dark Brown Silty Fine SAND and Sandy SILT, Trace Clay (SM/ML)				
4	12	W	4		X					
5	18	W	2		X	Stratified Very Loose to Loose, Gray/Dark Gray Sandy SILT and Soft to Medium Stiff Lean CLAY (ML/CL)				
6	18	W	5		X	(0.5)				
7	18	W	23		X	Medium Dense, Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)				
					X	End of Boring at 20 ft				
					X	Backfilled with Bentonite Chips and Asphalt Patch				
					X	*Sample 1 Partially Frozen				

WATER LEVEL OBSERVATIONS

While Drilling 6.0' Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____ 11' ▼
 Depth to Cave in _____ 14'

GENERAL NOTES

Start 3/10/22 End 3/10/22
 Driller BSD Chief MC Rig CME-55
 Logger KD Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Thurber Ave. Area
 Powers: 215'S of Thurber, 3'E of Centerline
 Location Bloomington Grove, WI

Boring No. 3
 Surface Elevation (ft) 854±
 Job No. C22051-4
 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
					X	3 in. Asphalt Pavement/6 in. Base Course				
1	█	16	M	8	█	FILL: Loose Brown Sand with Silt, Gravel and Clay				
2	█	8	M	6	█					
3	█	10	M	7	█					
4	█	18	W	3	▽	Stratified Very Loose to Loose, Gray/Dark Gray Sandy SILT and Very Soft Lean CLAY (ML/CL)				
5	█	18	W	15	█					
6	█	18	W	19	█	Stratified Medium Dense, Gray and Dark Brown Silty Fine SAND and Sandy SILT, Trace Clay (SM/ML)				
7	█	18	W	21	█	Medium Dense, Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)				
End of Boring at 20 ft										
Backfilled with Bentonite Chips and Asphalt Patch										

WATER LEVEL OBSERVATIONS

While Drilling ∇ 8.5' Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____ 8.5' ∇
 Depth to Cave in _____ 9.5'

GENERAL NOTES

Start 3/10/22 End 3/10/22
 Driller BSD Chief MC Rig CME-55
 Logger KD Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Thurber Ave. Area
Thurber: 180'E of Powers, 4'S of Centerline
 Location Bloomington Grove, WI

Boring No. 4
 Surface Elevation (ft) 852±
 Job No. C22051-4
 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
					X	3.5 in. Asphalt Pavement/8 in. Base Course				
1	█	16	M	21*	█	FILL: Medium Dense Gray to Brown Silty Sand with Gravel and Clay				
2	█	8	M	9	█	Loose, Dark Gray to Black SILT, Trace Sand (ML - Possible Buried Topsoil)				
3	█	14	M/W	5	█	Stratified Loose to Medium Dense, Gray/Dark Gray Sandy SILT and Medium Stiff Lean CLAY (ML/CL)				
4	█	18	M/W	13	█	(0.75)				
5	█	18	W	8	█	Medium Stiff, Gray Silty CLAY, Trace Gravel (CL-ML)				
6	█	18	W	18	█	Medium Dense, Brown to Gray Fine to Medium SAND, Some Silt and Gravel, Trace Clay, Scattered Cobbles and Boulders (SM)				
15						End of Boring at 15 ft				
Backfilled with Bentonite Chips and Asphalt Patch										
*Sample 1 Partially Frozen										
20										
25										

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling ∇ <u>11.0'</u> Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ <u>11'</u> ∇ Depth to Cave in _____ <u>11.5'</u>	Start <u>3/10/22</u> End <u>3/10/22</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



LOG OF TEST BORING

Project Thurber Ave. Area
 Location Thurber: 135'E of Gannon, 4'S of Centerline
Bloomington Grove, WI

Boring No. 5
 Surface Elevation (ft) 853±
 Job No. C22051-4
 Sheet 1 of 1

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SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					X	3 in. Asphalt Pavement/6 in. Base Course				
1	█	16	M	13	█	FILL: Medium Dense to Very Loose, Brown Silty Sand with Gravel				
2	█	14	M	10	█					
3	█	10	M	6	█					
4	█	8	W	4	▽					
5	█	8	W	8	▽	Loose to Medium Dense, Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)				
6	█	18	W	10	█					
					15	End of Boring at 15 ft				
						Backfilled with Bentonite Chips and Asphalt Patch				
					20					
					25					

WATER LEVEL OBSERVATIONS

While Drilling ▽ 8.5' Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____ 10' ▽
 Depth to Cave in _____ 10.5'

GENERAL NOTES

Start 3/10/22 End 3/10/22
 Driller BSD Chief MC Rig CME-55
 Logger KD Editor ESF
 Drill Method 2.25" HSA; Autohammer

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