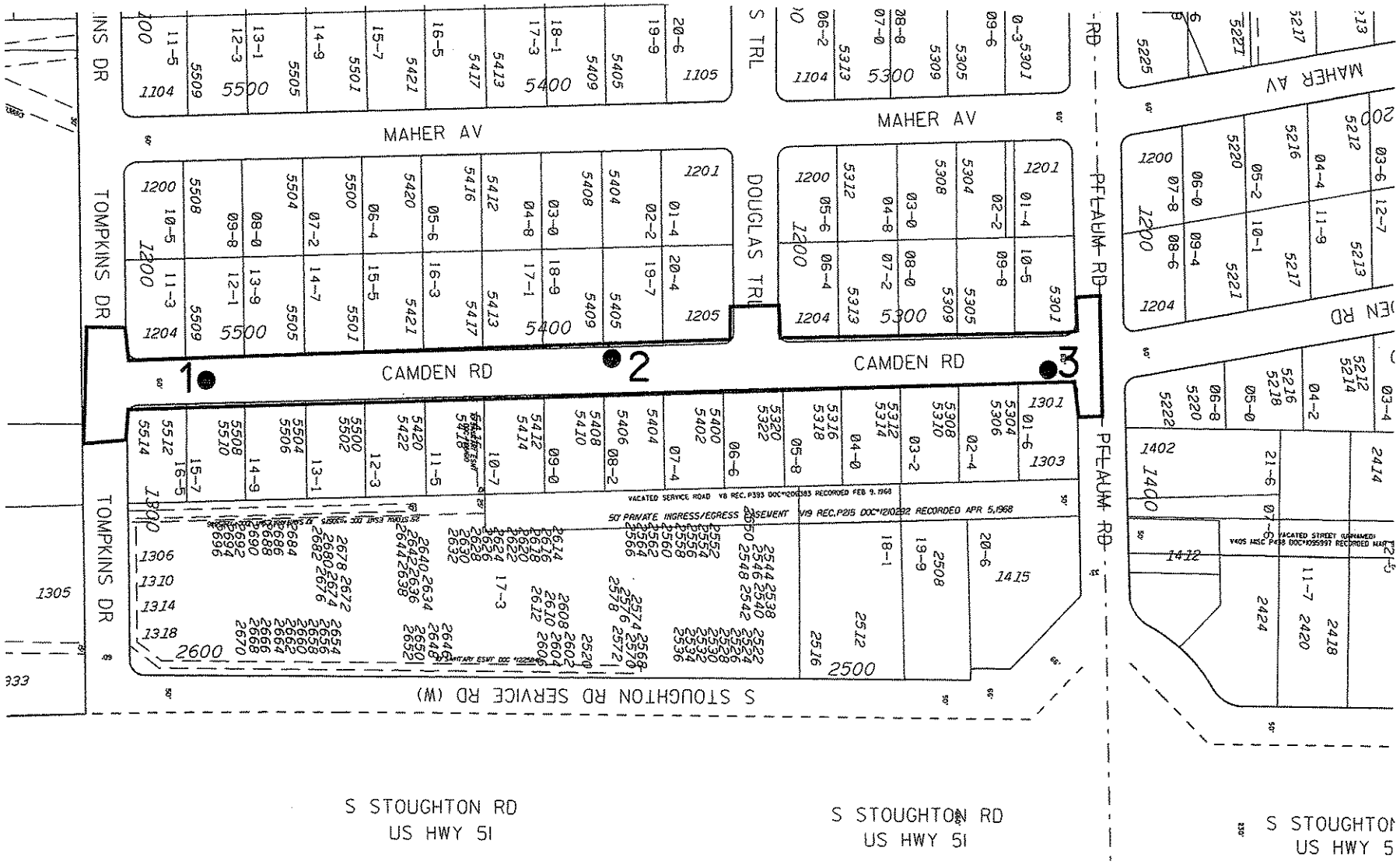


Legend

● Denotes Boring Location (approximate)

Notes

1. Soil borings drilled by Badger State Drilling in November 2008

DWN: -	APP'D: MNS	Date: 11/08	C08071-18	CGC, Inc.	**SOIL BORING LOCATION MAP** **Camden Road** **Madison, Wisconsin**

CGC Inc.

LOG OF TEST BORING

Project: Camden Road
165' N of Tompkins, 3' E of Centerline
Location: Madison, WI

Boring No. 1
Surface Elev. (ft)
Job No. C08071-18
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	PID
						3.5 in. Asphalt Pavement/6.5 in. Base Course					
1		10	M	14		Hard, Gray Lean CLAY (CL)	(4.5+)				
						Very Stiff, Brown Lean CLAY (CL)	(3.0)				
2		18	M	11			(3.5)				
					5						
3		4	M	15		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
4		12	M	29		Medium Dense, Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
					10						
5		18	M	28		Medium Dense, White and Yellow/Brown Fine SAND, Some Gravel, Trace Silt (SP) (Weathered Sandstone Bedrock)					
					15	End Boring at 15 ft Borehole backfilled with bentonite chips					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ NW Upon Completion of Drilling NW
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 11/19/08 End 11/19/08
Driller Badger Chief RR Rig D-120
Logger GFP Editor ESF
Drill Method 2 1/4 in. HSA

CGC Inc.

LOG OF TEST BORING

Project: Camden Road
185' S of Douglas, 7' E of Centerline
Location: Madison, WI

Boring No. 2
Surface Elev. (ft)
Job No. C08071-18
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	PID
						3.5 in. Asphalt Pavement/8 in. Base Course					
1		6	M	13		Very Stiff, Brown Lean CLAY (CL)	(3.5)				
2		14	M	16		Sandy at 4 ft	(3.0)				
					5	Medium Dense, Brown Fine to Medium SAND, Some Gravel, Little Silt (SP-SM)					
3		12	M	45		Dense, Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
						Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
4		18	M	25							
					10						
						Very Dense, Yellow-Brown Silty Fine SAND, Little Gravel (SM) (Weathered to Competent Sandstone Bedrock)					
5		6	M	50/2"		End Boring/Spoon Refusal at 14.5 ft					
					15	Borehole backfilled with bentonite chips					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ NW Upon Completion of Drilling NW
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 11/19/08 End 11/19/08
Driller Badger Chief RR Rig D-120
Logger GFP Editor ESF
Drill Method 2 1/4 in. HSA

CGC Inc.

LOG OF TEST BORING

Project: Camden Road
190' S of Pflam, 4' E of Centerline
Location: Madison, WI

Boring No. 3
Surface Elev. (ft)
Job No. C08071-18
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	PID
						4 in. Asphalt Pavement/8 in. Base Course					
1		6	M	11		Very Stiff, Brown Mottled Lean CLAY (CL)	(3.25)				
2		16	M	9		Stiff at 4 ft	(1.5)				
					5						
						Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
3		16	M	60		Very Dense, Light Brown Silty Fine to Coarse GRAVEL (GM) (Weathered to Competent Dolomite Bedrock)					
						End Boring/Auger Refusal at 7.5 ft					
						Borehole backfilled with cuttings					
					10						
					15						
					20						

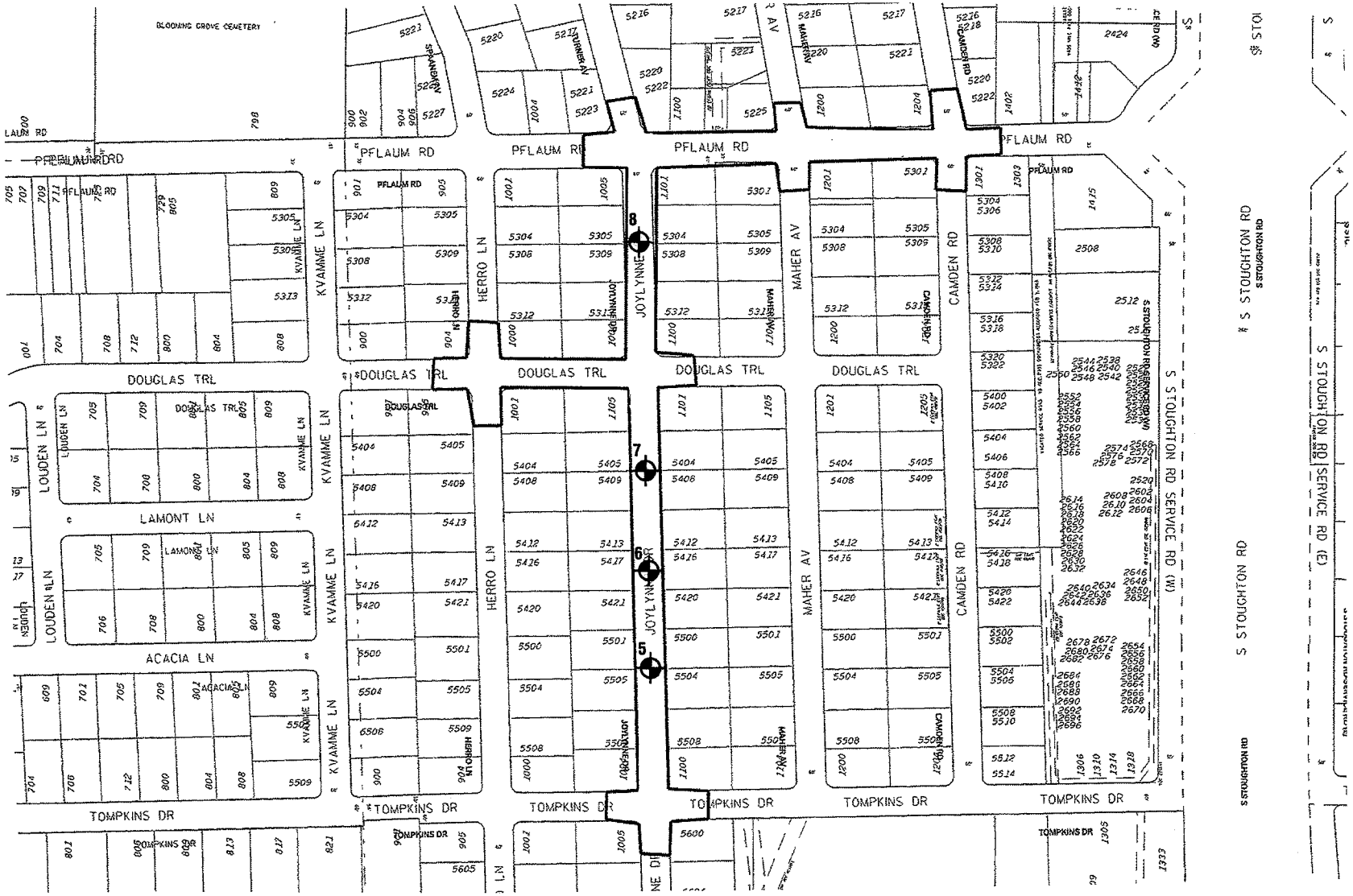
WATER LEVEL OBSERVATIONS

While Drilling ▽ NW — Upon Completion of Drilling NW
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 11/19/08 End 11/19/08
Driller Badger Chief RR Rig D-120
Logger GFP Editor ESF
Drill Method 2 1/4 in. HSA



Legend

8 Denotes Boring Location and number (approximate)

N

Notes

1. Soil borings drilled by Badger State Drilling in February 2011

DWN: -	APP'D: MNS	Date: 2/11	C10041-10	CGC, Inc.	**SOIL BORING LOCATION MAP** **Joylynne Drive Additional Borings** **Madison, Wisconsin**

CGC Inc.

LOG OF TEST BORING

Project **Joylynne Drive Additional Borings**
250'N of Tompkins, 3'E of Centerline
Location **Madison, WI**

Boring No. **5**
Surface Elevation (ft) **86.4****
Job No. **C10041-10**
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	.
						3 in. Asphalt Pavement, 3 in. Base Course					
1		5	M	50/5"*		Brown Lean CLAY (CL) / Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
2		5	M	50/ 11"		Weathered to Competent SANDSTONE Bedrock					
					5	End Boring at 5 ft due to auger refusal on competent sandstone bedrock					
						Borehole backfilled with soil cuttings					
						*Sample 1 Frozen					
						**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					
					10						
					15						
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽	NW	Upon Completion of Drilling		NW
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 **2/7/11** End **2/7/11**
Driller **Badger** Chief **RM** Rig **CME-55**
Logger **MC** Editor **ESF**
Drill Method **2 1/4" HSA**

CGC Inc.

LOG OF TEST BORING

Project: Joylynne Drive Additional Borings
475'N of Tompkins, 6'E of Centerline
Location: Madison, WI

Boring No. 6
Surface Elevation (ft) 91.0**
Job No. C10041-10
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	.
						3 in. Asphalt Pavement, 3 in. Base Course					
1		11	M	62/ 11"		Medium Dense, Brown Fine to Mediun SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
						Weathered to Competent SANDSTONE Bedrock					
2		12	M	22							
					5						
3		8	M	57/12"							
4		4	M	64/9"							
					10						
						End Boring at 13.5 ft due to auger refusal on competent sandstone bedrock					
						Borehole backfilled with bentonite chips					
						*Sample 1 Frozen					
						**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					
					15						
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ NW — Upon Completion of Drilling NW
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 2/7/11 End 2/7/11
Driller Badger Chief RM Rig CME-55
Logger MC Editor ESF
Drill Method 2 1/4" HSA

CGC Inc.

LOG OF TEST BORING

Project **Joylynne Drive Additional Borings**
200'S of Douglas, 4'E of Centerline
Location **Madison, WI**

Boring No. **7**
Surface Elevation (ft) **94.5****
Job No. **C10041-10**
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	.
						3 in. Asphalt Pavement, 3 in. Base Course					
1		0		50/2"*		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		18	M	24	5						
3		18	M	28							
4		18	M	56		Very Dense near 9 ft					
					10	Weathered to Competent SANDSTONE Bedrock					
						End Boring at 12 ft due to auger refusal on competent sandstone bedrock					
						Borehole backfilled with bentonite chips					
					15	*Sample 1 Frozen					
						**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽	NW		Upon Completion of Drilling	NW
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 **2/7/11** End **2/7/11**
Driller **Badger** Chief **RM** Rig **CME-55**
Logger **MC** Editor **ESF**
Drill Method **2 1/4" HSA**

CGC Inc.

LOG OF TEST BORING

Project **Joylynne Drive Additional Borings**
200'S of Pflaum, 6'E of Centerline
Location **Madison, WI**

Boring No. **8**
Surface Elevation (ft) **95.1****
Job No. **C10041-10**
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	.
						3 in. Asphalt Pavement, 8 in. Base Course					
1		5	M	50/5"*		FILL: Brown Fine to Medium Sand					
						Stiff to Very Stiff, Brown Lean CLAY (CL)					
2		12	M	20			(2.0)				
					5						
3		12	M	16		Medium Dense, Brown Clayey Fine to Medium SAND (SC)					
						Weathered to Competent SANDSTONE Bedrock					
4		2	M	50/2"							
					10						
						End Boring at 11.5 ft due to auger refusal on competent sandstone bedrock					
						Borehole backfilled with bentonite chips					
						*Sample 1 Frozen					
					15						
						**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					
					20						

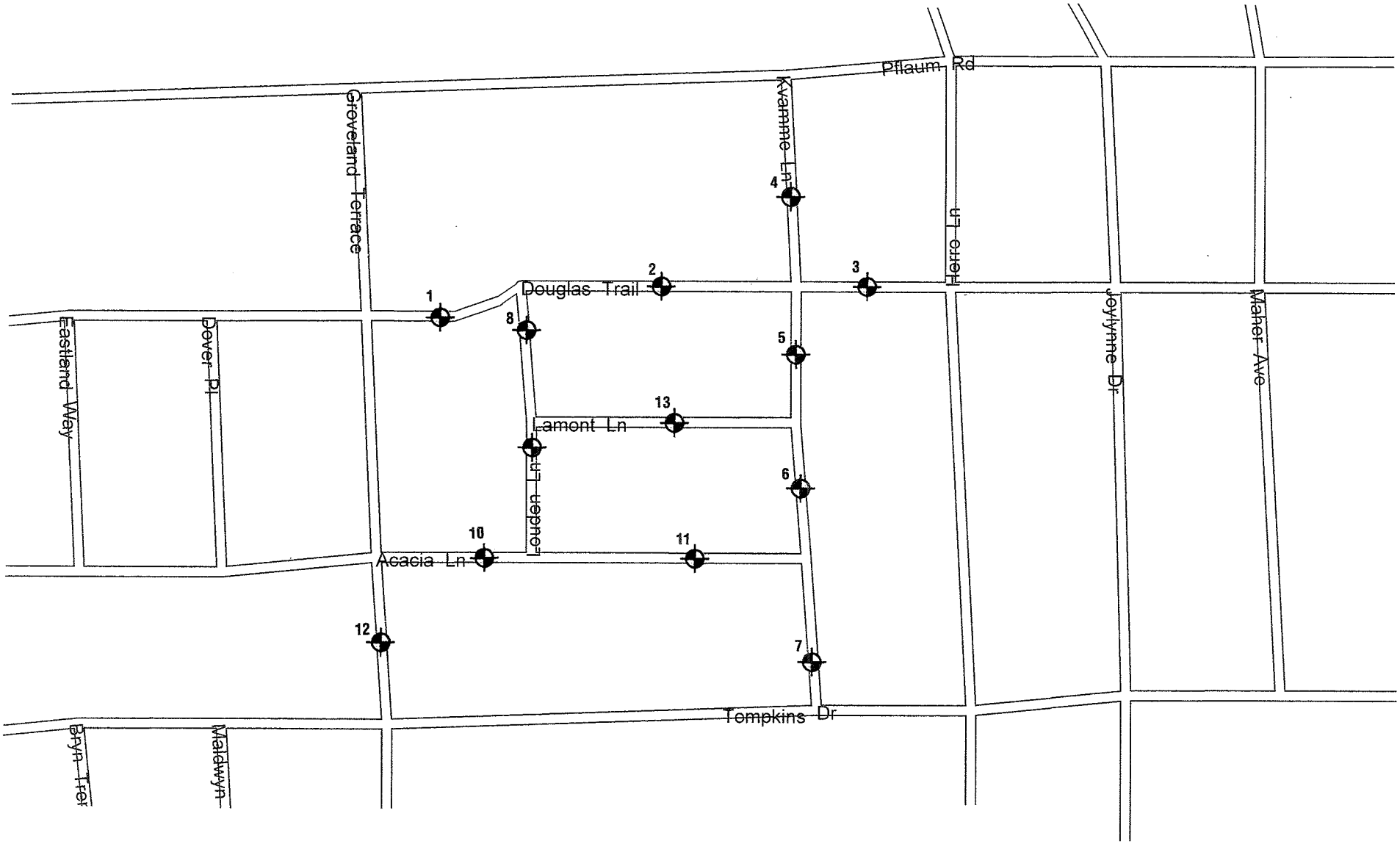
WATER LEVEL OBSERVATIONS

While Drilling	▽ NW	Upon Completion of Drilling	NW	
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 **2/7/11** End **2/7/11**
Driller **Badger** Chief **RM** Rig **CME-55**
Logger **MC** Editor **ESF**
Drill Method **2 1/4" HSA**



Legend

Denotes Boring Location (approximate)

N

Notes

1. Soil borings performed by Badger State Drilling in August 2016

DWN: -	APP'D: MNS	Date: 9/16	C16051-9

SOIL BORING LOCATION PLAN
Douglas Trail Area
Madison, Wisconsin

CGC Inc.

LOG OF TEST BORING

Project **Douglas Trail Area**
Douglas: 75'E of Groveland, Near CL
Location **Madison, WI**

Boring No. **1**
Surface Elevation (ft)
Job No. **C16051-9**
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						3 in. Asphalt Pavement/9.5 in. Base Course					
1		7	M	10		Very Stiff, Brown Lean Sandy CLAY (CL)	(2.25)				
						Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
2		14	M	5	5						
						Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		13	M	10							
4		11	M	13	10						
5		16	M	21	15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic**
Hammer

CGC Inc.

LOG OF TEST BORING

Project **Douglas Trail Area**
Douglas: 155'E of Groveland, Near CL
Location **Madison, WI**

Boring No. **2**
Surface Elevation (ft)
Job No. **C16051-9**
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	LI
						4.5 in. Asphalt Pavement/7 in. Base Course					
1		9	M	50/5"		Very Dense, Brown Fine to Medium SAND, Some Silt, Clay and Gravel (SM/SC-Possible Fill)					
2		15	M	13	5	Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		14	M	37							
4		12	M	18	10						
5		3	M	50/5"	15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic Hammer**

CGC Inc.

LOG OF TEST BORING

Project: **Douglas Trail Area**
Douglas: 120'E of Kramme, Near CL
Location: **Madison, WI**

Boring No. **3**
Surface Elevation (ft)
Job No. **C16051-9**
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	LI
						1.5 in. Asphalt Pavement/10 in. Base Course					
1		6	M	8		Stiff, Brown Lean CLAY (CL)	(1.5)				
						Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
2		10	M	6	5						
3		18	M	4							
						Loose to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4		14	M	7	10						
5		3	M	30	15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic Hammer**

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Kvamme: 125'S of Pflaum, Near CL
Location: Madison, WI

Boring No. 4
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4.5 in. Asphalt Pavement/8 in. Base Course					
1-AS		0	M	8		FILL: Brown Clay With Sand and Gravel					
						Very Soft, Brown and Gray Mottled Lean CLAY (CL)					
2		18	M	6			(<0.1)				
					5	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		7	M	29							
4		18	M	22							
					10	Apparent Competent BEDROCK					
						End of Boring at 10 ft Due to Auger Refusal on Apparent Competent Bedrock					
						Backfilled with Bentonite Chips and Asphalt Patch					
					15						
					20						

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

CGC Inc.

LOG OF TEST BORING

Project: **Douglas Trail Area**
Kvamme: 100'S of Douglas, 5'E of CL
Location: **Madison, WI**

Boring No. **5**
Surface Elevation (ft)
Job No. **C16051-9**
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/7 in. Base Course					
1		2	M	11		Medium Stiff to Very Stiff, Brown Lean CLAY, Trace Sand (CL)	(2.0)				
2		17	M	7	5		(0.75)				
3		8	M	4		Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
4		12	M	4	10						
						Weathered to Competent, Orange-Brown Sandstone BEDROCK					
5		2	M	50/2"	15						
						End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic Hammer**

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Kvamme: 130'N of Acacia, Near CL
Location: Madison, WI

Boring No. 6
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4.5 in. Asphalt Pavement/6 in. Base Course					
1		11	M	8		Loose to Medium Dense, Brown Sandy SILT, Trace Clay (ML)					
2		5	M	12							
					5						
3		12	M	15							
4		14	M	9							
					10	Weathered to Competent, Light Brown Sandstone BEDROCK					
5		1	M	50/2"							
					15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Kvamme, 90'N of Tompkins, Near CL
Location: Madison, WI

Boring No. 7
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/10 in. Base Course					
1		12	M	17		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM-Possible Fill to 5 ft)					
2		3	M	18	5						
3		16	M	19							
4		3	M	38	10						
						Rough Drilling Noted at 10.5 ft					
5		8	M	35	15						
						End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

CGC Inc.

LOG OF TEST BORING

Project: **Douglas Trail Area**
Louden: 160'N of Lamont, Near CL
Location: **Madison, WI**

Boring No. **8**
Surface Elevation (ft)
Job No. **C16051-9**
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	LI
						3 in. Asphalt Pavement/10 in. Base Course					
1		7	M	12		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
2		14	M	16	5						
3		18	M	19		Rough Drilling Noted at 7 ft					
4		12	M	24	10						
5		17	M	22	15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic Hammer**

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Louden: 125'S of Lamont, Near CL
Location: Madison, WI

Boring No. 9
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						3.5 in. Asphalt Pavement/8 in. Base Course					
1		14	M	8		Stiff, Brown Lean CLAY (CL)	(1.25)				
						Loose, Brown Sandy SILT, Trace Clay (ML)					
2		6	M	9	5						
3		18	M	10		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4		8	M	14	10						
5		18	M	26							
					15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Acacia: 200'E of Groveland, Near CL
Location: Madison, WI

Boring No. 10
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/11 in. Base Course					
1		6	M	6		FILL: Loose, Dark Brown/Gray Silt with Clay and Sand					
						Stiff to Very Stiff, Brown and Gray Mottled Lean CLAY (CL)					
2		15	M	10			(2.0)				
					5						
						Loose, Brown to Dark Brown Fine to Coarse SAND, Some Silt and Gravel, Trace CLAY (SM)					
3		6	M	9							
						Loose, Dark Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
4		10	M	8							
					10						
						Loose to Very Loose, Light Brown, Silty Fine SAND (SM)					
5		18	M/W	4							
					15	End of Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic Hammer

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Acacia: 230'W of Kvamme, Near CL
Location: Madison, WI

Boring No. 11
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						2 in. Asphalt / 7.5 in. Base Course					
1-AS		0	M	11		Brown Lean CLAY (CL)					
2		15	M	28		Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		18	M	21	5						
4		9	M	56							
5		13	M	37	10						
					15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/29/16 End 8/29/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Groveland: 160'S of Acacia, Near CL
Location: Madison, WI

Boring No. 12
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						1.5 in. Asphalt / 8 in. Base Course					
1		11	M	10		Very Stiff, Brown Lean CLAY (CL)	(2.75)				
2		14	M	12	5		(2.5)				
3		18	M	4		Very soft near 6 ft	(0.2)				
4		15	M	5		Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay (SM)					
					10	Rough Drilling Noted Near 12 ft					
5		17	M	44		Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
					15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

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 8/29/16 End 8/29/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic Hammer

CGC Inc.

LOG OF TEST BORING

Project: Douglas Trail Area
Lamont: 295'W of Kvamme, Near CL
Location: Madison, WI

Boring No. 13
Surface Elevation (ft)
Job No. C16051-9
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/ 7 in. Base Course					
1		3	M	7		Stiff to Very Stiff, Brown Lean CLAY (CL)	(1.75)				
2		7	M	13			(3.5)				
					5						
3		11	M	4		Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
4		16	M	8							
					10	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
5		3	M	13							
					15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

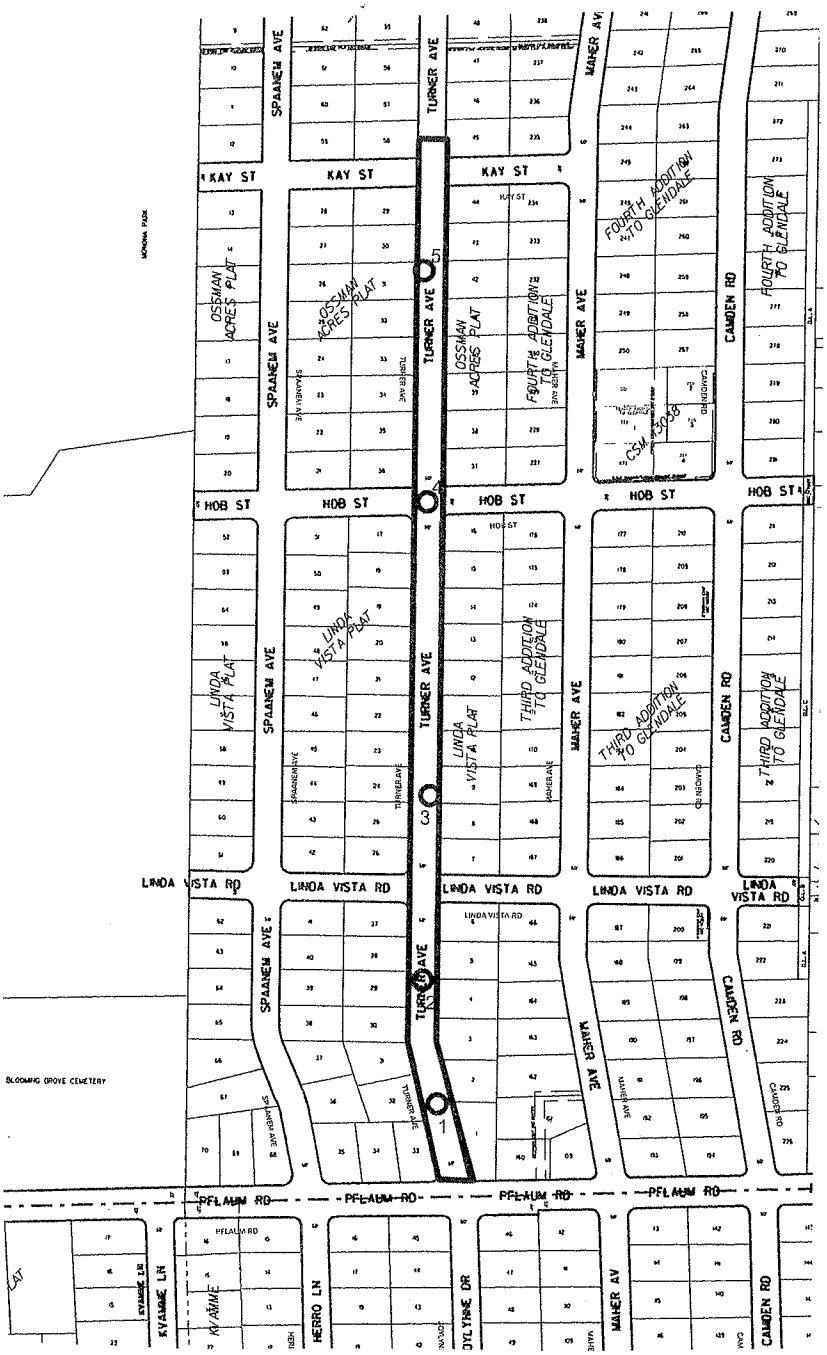
WATER LEVEL OBSERVATIONS

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 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer



Legend

○ Denotes Boring Location (approximate)

Notes

1. Soil borings drilled by Badger State Drilling in August 2014.

DWN: -	APP'D: MNS	Date: 12/14	C14051-20	CGC, Inc.	**SOIL BORING LOCATION PLAN** **Turner Avenue**

CGC Inc.

LOG OF TEST BORING

Project: Turner Avenue
220'N of Pflaum, 5'W of CL
Location: Madison, Wisconsin

Boring No. 1
Surface Elevation (ft) 79.5*
Job No. C14051-20
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						7 in. Asphalt Pavement/9 in. Base Course					
1		16	M	11		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		17	M	12	5						
3		16	M	17							
4		14	M	20	10						
5		16	M	30		Medium Dense to Dense Near 14 ft					
					15	End boring at 15 ft Borehole backfilled with bentonite chips and asphalt patch *Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					
					20						

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 8/28/14 End 8/28/14
Driller Badger Chief JF Rig CME-55
Logger SC Editor ESF
Drill Method 2.25 HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Turner Avenue
210'S of Linda Vista, 5'W of CL
Location: Madison, Wisconsin

Boring No. 2
Surface Elevation (ft) 83.9*
Job No. C14051-20
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/9 in. Base Course					
1		9	M	14		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		18	M	11	5						
3		16	M	26							
4		15	M	16	10						
5		0	M	50/1"		Very Dense Near 13.5' (Presumed Boulder/Possible Bedrock)					
					15	End boring at 15 ft Borehole backfilled with bentonite chips and asphalt patch *Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					
					20						

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 8/28/14 End 8/28/14
Driller Badger Chief JF Rig CME-55
Logger SC Editor ESF
Drill Method 2.25 HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Turner Avenue
200'N of Linda Vista, 5'W of CL
Location: Madison, Wisconsin

Boring No. 3
Surface Elevation (ft) 90.5*
Job No. C14051-20
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						7 in. Asphalt Pavement/9 in. Base Course					
1		13	M	8		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		11	M	9	5						
3		6	M	28							
4		15	M	22	10						
5		17	M	20	15	End Boring at 15 ft Borehole backfilled with bentonite chips and asphalt patch *Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					
					20						

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 8/28/14 End 8/28/14
Driller Badger Chief JF Rig CME-55
Logger SC Editor ESF
Drill Method 2.25 HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Turner Avenue
25'S of Hob, 8'W of CL
Location: Madison, Wisconsin

Boring No. 4
Surface Elevation (ft) 96.5*
Job No. C14051-20
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/7 in. Base Course					
1		10	M	11		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		18	M	6	5						
3		14	M	15							
4		20	M	17	10						
5		16	M	24	15						
					20	End Boring at 15 ft Borehole backfilled with bentonite chips and asphalt patch *Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					

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 8/28/14 End 8/28/14
Driller Badger Chief JF Rig CME-55
Logger SC Editor ESF
Drill Method 2.25 HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Turner Avenue
150'S of Kay, 5'W of CL
Location: Madison, Wisconsin

Boring No. 5
Surface Elevation (ft) 78.3*
Job No. C14051-20
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	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/7 in. Base Course					
1		11	M	14		Stiff to Very Stiff, Brown Lean to Silty CLAY (CL/CL-ML)	(3.5)				
2		10	M	5			(2.0)				
					5						
3		12	M	14			(1.5)				
4		18	M	23		Medium Dense, Brown Sandy SILT to Silty Fine SAND (ML/SM)					
					10						
5		18	M	29		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
					15	End Boring at 15 ft Borehole backfilled with bentonite chips and asphalt patch *Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					
					20						

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 8/28/14 End 8/28/14
Driller Badger Chief JF Rig CME-55
Logger SC Editor ESF
Drill Method 2.25 HSA; Autohammer