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#### NOTICE OF ADDENDUM ADDENDUM NO. 1 CONTRACT NO. 7843 RONALD REAGAN AVENUE , JOHN WALL DRIVE AND MERCHANT STREET ASSESSMENT DISTRICT – 2017

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

## **SPECIAL PROVISIONS:**

DELETE THE 7<sup>TH</sup> and 8<sup>TH</sup> PARAGRAPH OF SECTION 107.7 MAINTENANCE OF TRAFFIC AND REPLACE WITH THE FOLLOWING:

### **Manufacturers Drive**

The contractor shall maintain one (1) lane in each direction of at least eleven (11) feet of width on a hard surface on Manufacturers Drive at all times except during weekend closures. A flagging operation shall be used to direct and maintain two-way traffic when only one (1) lane of at least eleven (11) feet of width is available. Travel lane closures shall only occur on weekdays between 8:30 a.m. and 4:00 p.m. Contractor is allowed two (2) weekend full closures to complete work on Manufacturers Drive; weekend closures cannot coincide with closures on Hoepker Road.

### PLANS:

Title Sheet: Updated sheet index with TC-6.

TC-6: Added a traffic control plan for the storm sewer construction on Manufacturers Drive 350' north of Merchant Street.

### **SOIL BORINGS:**

Soil boring information has been included.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at: <u>http://www.bidexpress.com</u>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route. M:\DESIGN\Projects\11461\Plans Specs Est - FINAL\Revisions\7843Addendum1.doc

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office at 608-266-4751 receive the material by another route.

Sincerely,

Robert F. Phillips, P.E. City Engineer

RFP:AJZ



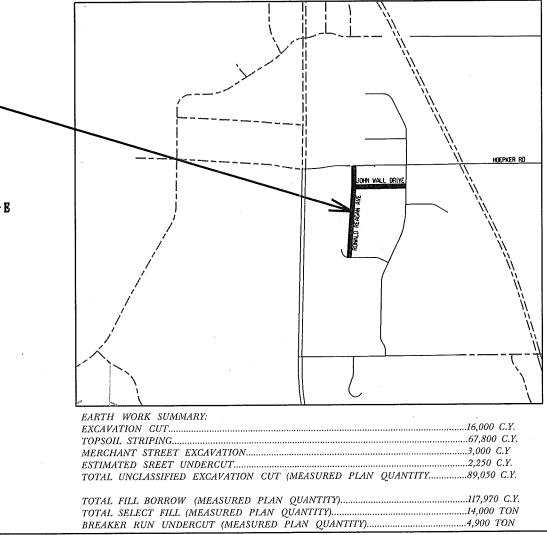
Madison, Wisconsin

# CITY OF MADISON CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

INDEX OF		TITLE		RONA
SHEET NO.		TYPICAL SECTIONS	$A \Lambda / D$	-MER
SHEET NO.	D3	PLAN DETAIL		
SHEET NO.	D4	MASS GRADING PLAN		
SHEET NO.	D5	MERCHANT STREET REMOVAL	PLAN	
SHEET NO.	AI	ALIGNMENT PLAN		
SHEET NO.	EC1-EC17	EROSION CONTROL PLAN		
SHEET NO.	DDIDD4	DRAINAGE DITCH PLAN & PL	ROFILES	
SHEET NO.				
SHEET NO.	U1U17	SEWERS PLAN & PROFILES		
SHEET NO.				
SHEET NO.		WATER ESTIMATE OF MATERI	ALS & DETAILS	
SHEET NO.				
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SHEET NO.				
SHEET NO.		5		
SHEET NO.	X28-X35	MASS GRADING CROSS SECTION	NS	
		PR	OJECT _	
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	CONVENT	IONAL SIGNS		

RONALD REAGAN AVENUE, JOHN WALL DRIVE D MERCHANT STREET ASSESSMENT DISTRICT – 2017

> CITY PROJECT NO. 11461 CONTRACT NO. 7843



STORM SEWER SANITARY SEWER

POWER POLE

OVERHEAD ELECTRIC

WATER

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK.

RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1"

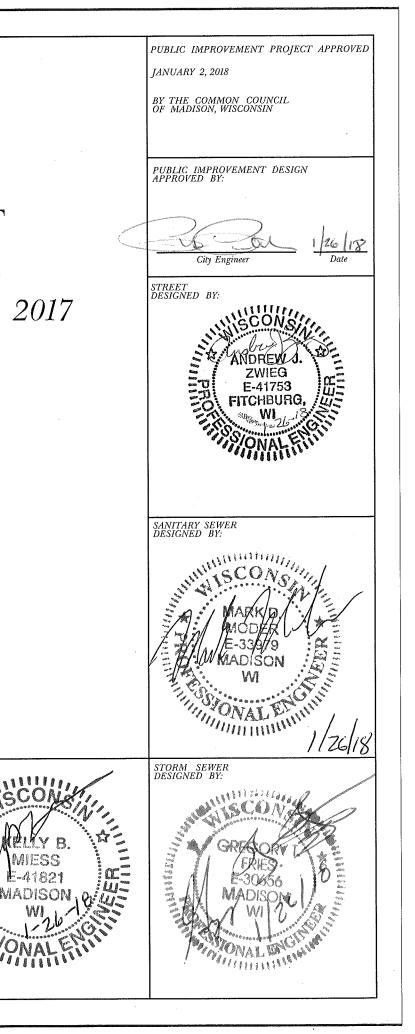
CONSTRUCTED WITH A SIDE SLOPE OF 2.00%.

SIDEWALK SHALL HAVE A MINIMUM

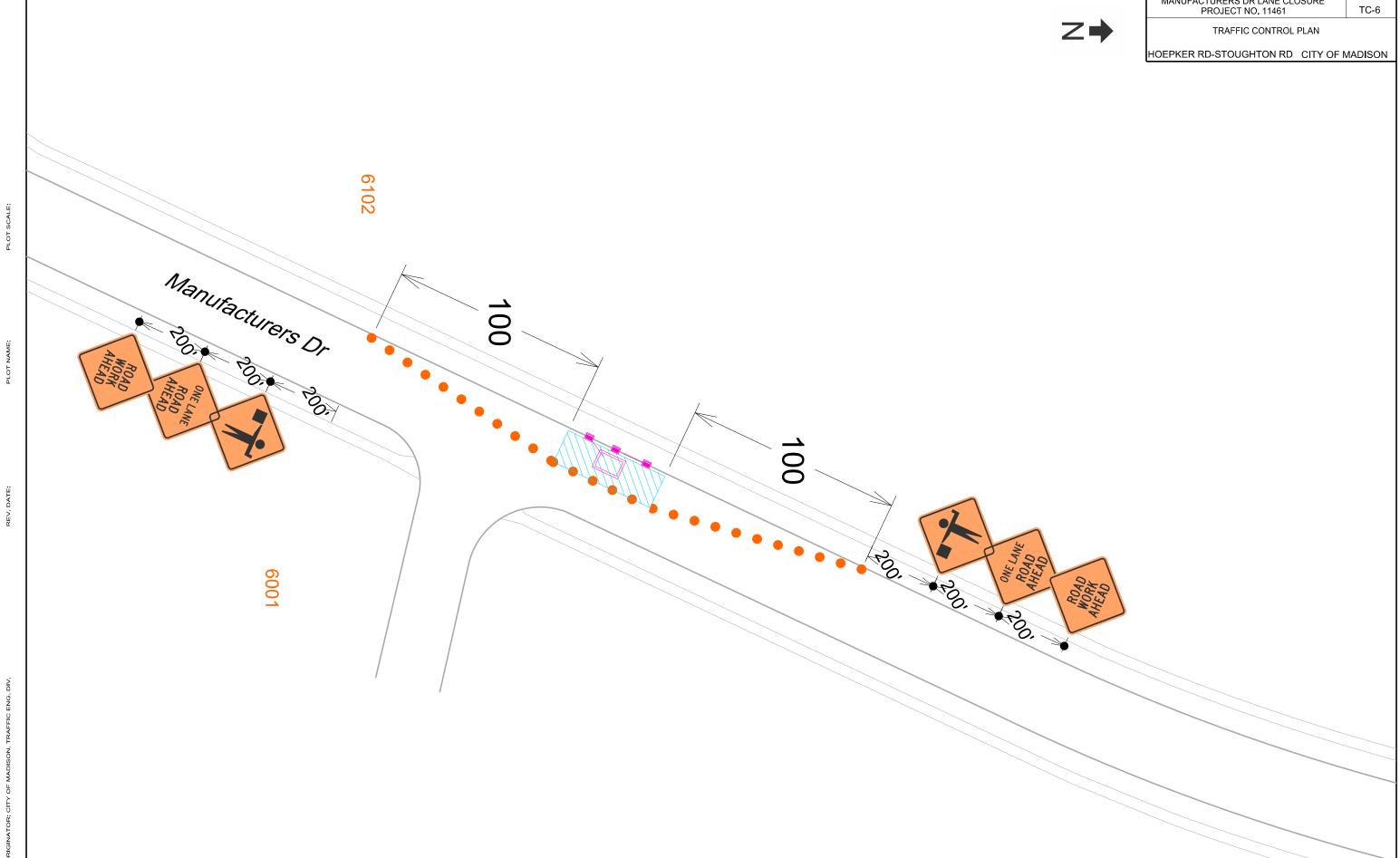
LONGITUDINAL SLOPE OF 5.00%

PER 12". SIDEWALK AND CURB RAMPS SHALL BE

LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM



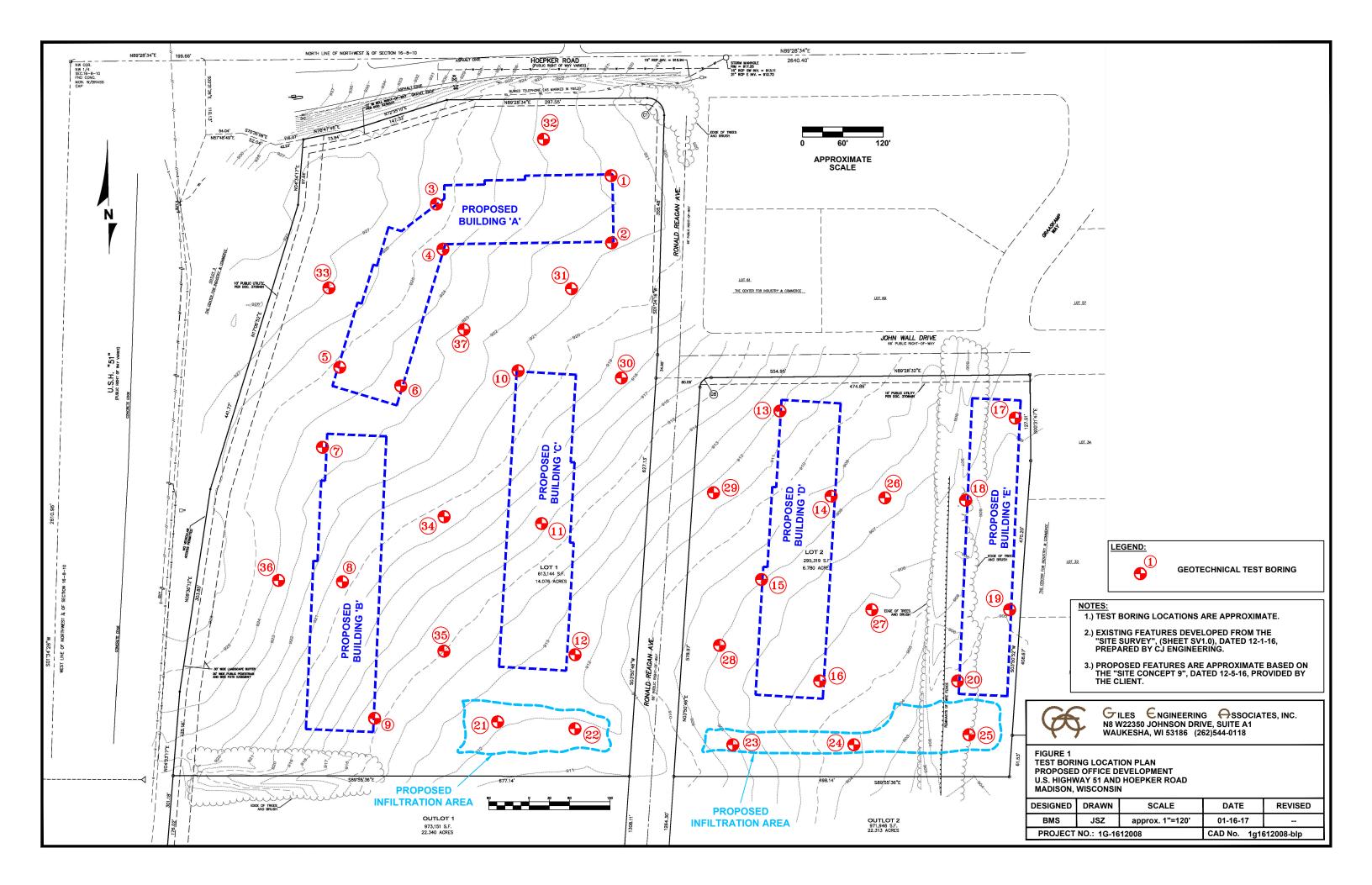
WATER MAIN DESIGNED B





MANUFACTURERS DR LANE CLOSURE PROJECT NO. 11461

SHEET NO.



BORING NO. & LOCATION:		ТГ	EST				<u>,</u>					
									_	(		$\frown$
SURFACE ELEVATION: 921.9 feet		PROP	OSED (	JEEIC	E DEV	ELOPN	IEN I				办	T
COMPLETION DATE: 12/23/16	] ເ	JS HIG	HWAY MADIS		ID HOE VISCOI		ROAD	)				/ NEERING
FIELD REP: KEITH FLOWERS		Р	ROJEC	T NO	: 1G-16	612008				4550	CIAI	ES, INC.
MATERIAL DESCRIPT	ION		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>16"± Topsoil:</b> Brown Silty Clay, trad and Organic Matter - Moist Brown Silty fine to medium Sand, to		$\frac{\frac{\sqrt{L_Z}}{L_Z}}{\frac{L_Z}{L_Z}}$	_	_	1-SS	4		1.5		25		
Gravel - Moist			-	— 920 -	2-SS	7				12		
-			- 5 —	-	3-SS	6				11		
 _ Light Brown fine Sand			-		3-33							
			-	-	4-SS	16						
Light Brown fine Sand and Gravel - (Possibly includes Cobbles and Bo	- Moist ulders)	。 ( ) 0	- 10 —	_	5-SS	23				8		
-		。 () ()	-	- 910		-						
-		。 。 ) の	-	_								
_		。 。 )	15 <b>—</b>	-	6-SS	50/2"						Poor Sample Recovery
Boring Terminated at about 16 feet 905.9')	: (EL.	<u> </u>										
Water Obser	vation Da	ata						Re	marks:			
y	illing:											
Water Level At End of Drilling Cave Depth At End of Drilling:												
Water Level After Drilling:	12.0 IL.											
Cave Depth After Drilling:												

BORING NO. & LOCATION: 2	Т	EST	BOF	RING	LO	G				_	~
SURFACE ELEVATION: 921.2 feet	PRO	POSED	OFFIC	E DEV	ELOPN	IENT					
COMPLETION DATE: 12/23/16	US HI	GHWAY MADIS		ID HOE VISCO		ROAD	)				
FIELD REP: KEITH FLOWERS		PROJE	CT NO		312008				1920		ES, INC.
MATERIAL DESCRIPT		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>18"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist			- 	1-SS	3		1.7		19		
_ Brown Silty fine to medium Sand, tr Gravel - Moist _			-	2-SS	5				12		
Light Brown Silty fine Sand and Gra Moist	avel -	5-		3-SS	9				8		
Light Gray-Brown Silty fine to coars and Gravel - Damp (Possibly includes Cobbles and Bou	0		915 	4-SS	29						
-		10 –	-	5-SS	42				7		
-			910 		-						
-		15 –	-		-						No Sample
		4	-	6-SS	50/2"						Recovery
Boring Terminated at about 16 feet 905.2') Water Obser ✓ Water Encountered During Dri Water Level At End of Drilling: Cave Depth At End of Drilling: Water Level After Drilling: Cave Depth After Drilling: Cave Depth After Drilling:	(EL.										
Water Obser							Re	marks:			
✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth After Drilling:         ✓       Cave Depth After Drilling:	-										

BORING NO. & LOCATION:		т	EST				G					
3										(		$\overline{}$
SURFACE ELEVATION: 925.5 feet		PROF	POSED	OFFIC	E DEVI	ELOPN	/ENT				大	L
COMPLETION DATE: 12/23/16		US HIC	GHWAY MADIS		ID HOE VISCON		ROAD	1				<i>T</i> IEERING
FIELD REP: KEITH FLOWERS			PROJEC		. 10 16	12009				ASSO	CIATE	S, INC.
			ROJEC			12008						
	ΓΙΟΝ		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>15"± Topsoil:</b> Brown Silty Clay, tra and Organic Matter - Moist	ce Sand		<u>-</u>	- 925	1-SS	4		1.8		17		
Light Brown Silty fine Sand, trace t - Gravel - Moist	o little		-	-								
_			-		2-SS	6						
_			5-		3-SS	9				7		
_			-	- 520								
			-	-	4-SS	13				7		
-			- 10 —	- 915	5-SS	20						
-			-	-								
_			-	-								
-			-   15-	-								
				-910	6-SS	25						
Boring Terminated at about 16 fee 909.5')	t (EL.											
Water Obse												
Water Obse	rvation D	Data						Rer	narks:			
1 V 1 Water Encountered During D												
Water Level At End of Drilling	:											
	: 13.5 ft.											
Water Level After Drilling:												

BORING NO. & LOCATION: 4	TI	EST	BOF	RING	LO	G				_	~
SURFACE ELEVATION: 924.5 feet	PROF	POSED	OFFIC	E DEVE	ELOPN	IENT					7
COMPLETION DATE: 12/27/16	US HIG			ID HOE WISCON		ROAD	)				
FIELD REP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	12008				ASSO	CIATE	ES, INC.
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>12"± Topsoil:</b> Dark Brown Silty Clay Sand and Organic Matter - Moist Brown Silty fine Sand - Moist	$\frac{\sqrt{\frac{1}{2}}}{\frac{1}{2}} + \frac{\sqrt{\frac{1}{2}}}{\frac{1}{2}}$	-	_	1-SS	5		2.4		28		
_		_	-	2-SS	8				12		
		-									
Brown fine Sand, little Silt, trace Gra Moist		5 —	- 920 -	3-SS	14						
-		-	-								
-		-	-	4-SS	22				8		
-		- 10 —	-915								
-		-	_	5-SS	20				8		
_		-	_								
-		-	_								
_		15 —	— 910 -	6-SS	32				7		
Boring Terminated at about 16 feet 908.5')	(EL.				<u> </u>	1				II	
908.5') Water Observ ✓ Water Encountered During Drill ✓ Water Level At End of Drilling: Cave Depth At End of Drilling: ✓ Water Level After Drilling: Cave Depth After Drilling:											
Water Observ	vation Data						Rei	marks:			
☑         Water Encountered During Dril           ☑         Water Level At End of Drilling:	ling:										
Cave Depth At End of Drilling:	14 ft.										
Year       Water Level After Drilling:         Cave Depth After Drilling:											

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: 5	Т	EST	BOF	RING	LO	G					
SURFACE ELEVATION: 924.9 feet		POSED							$\left( \right)$	$\neq$	$\widehat{\mathbf{x}}$
COMPLETION DATE: 12/27/16	US HIC	HWAY MADIS		ID HOE VISCON		ROAD	I				HEERING
FIELD REP: CHARLES RENS	F	PROJEC		: 1G-16	12008						
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>12"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist Brown fine Sand, little Silt, trace Gra	1/ · <u>x<sup>1</sup> ·</u>	- -	-	1-SS	3		1.4		24		
_ Moist		-	-	2-SS	10				7		
-		5-	- 920	3-SS	15				6		
- Brown fine Sand, little Silt, little to so Gravel - Moist	ome	-	-								
-		-	-	4-SS	34						
-	) 0 0 0	10 —	<b>-</b> 915	5-SS	13				8		
-	0 0 0 0 0	-									
-	。 。 。 〇	- 15	- 910	6-SS	36				8		
Boring Terminated at about 16 feet 908.9')	10				1	1	1		1	1	
Water Observ	vation Data						Rei	marks:			
908.9')	ling:										

BORING NO. & LOCATION: 6	TI	ESTI	BOF	RING	LO	G					
SURFACE ELEVATION: 923.5 feet	PROF	POSED	OFFIC	E DEVE	ELOPN	IENT					$\overline{\mathbf{x}}$
COMPLETION DATE: 12/27/16	US HIG	GHWAY MADIS		ID HOEI VISCON		ROAD					
FIELD REP: CHARLES RENS	F	PROJEC		· 1G-16	12008				1550	CIATE	ES, INC.
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>10"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	e Sand		-	1-SS	2		1.2		24		
-		_	- 	2-SS	4		0.5		16		
-		- 5	- ·	3-SS	2		0.7		19		
Brown Silty fine Sand, little Gravel - Moist	Very		- - 	4-SS	13		0.5		15		
Light Brown fine Sand, little Silt, and Moist	J Gravel -	- 10		5-SS	15				8		
-			-  	6-SS	39				7		
Boring Terminated at about 16 feet	(EL.		-								
907.5 <sup>°</sup> )											
Water Observ	vation Data						Ror	narks:			
✓       Water Encountered During Drilling:         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth After Drilling:	lling:						1.61	παι <b>κ</b> ο.			

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: 7		TE	STI	BOF	RING	LO	G					
SURFACE ELEVATION: 923.5 feet	P	ROPO	SED (	OFFIC	E DEVE	LOPN	IENT					5
COMPLETION DATE: 12/27/16	US				ID HOEI VISCON		ROAD					
FIELD REP: CHARLES RENS		PR	OJEC		: 1G-16	12008				1550	CIATE	S, INC.
MATERIAL DESCRIPT	ION		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
6"± Topsoil: Brown Silty Clay, trace and Organic Matter - Moist Brown Silty fine Sand, trace Gravel	]		_	-	1-SS	3		1.7		23		
-			_	- 	2-SS	6				14		
Light Brown fine Sand, trace to little little Silt - Moist (Possibly includes Cobbles and Bou			- 5 — -		3-SS	14				8		
-				- - - - 915 -	4-SS	31				6		
-			- 10 — -	 -	5-SS	28				7		
-			- 	- 910 								
Boring Terminated at about 16 feet				-	6-SS	55						
Water Obser												
Water Obser	vation Data	•						Ror	narks:			
☑     Water Encountered During Dri       ☑     Water Encountered During Dri       ☑     Water Level At End of Drilling:       ☑     Cave Depth At End of Drilling:       ☑     Water Level After Drilling:       ☑     Cave Depth After Drilling:	illing: :	<u>a</u>										

BORING NO. & LOCATION: 8	Т	EST	BOF	RING	LO	G					
SURFACE ELEVATION: 920.5 feet	PROF	POSED	OFFIC	E DEVI	ELOPN	/ENT					7
COMPLETION DATE: 12/22/16	US HIC	GHWAY MADIS		ID HOE VISCON		ROAD	1				
FIELD REP: JAMES BLAIR									4550	CIATE	S, INC.
		PROJEC	CT NO		12008	<b>;</b> 					
MATERIAL DESCRIPT	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>10"± Topsoil:</b> Brown Silty Clay, trad and Organic Matter - Moist Brown Silty Clay, trace Gravel - Mo		-	- 920	1-SS	3		1.9		25		
F Brown Silly Clay, trace Graver - Mic	nst	-	-								
_		-	-	2-SS	4		0.7		12		
Light Brown fine Sand, little Silt, tra - Moist	ice Gravel	5-	- - - - 915	3-SS	15				7		
-		-	-								
-		-	-	4-SS	21				6		
-		10-	- 910	5-SS	25		2.9		7		
-		-	-								
		15 —		6-SS	48				7		
Boring Terminated at about 16 feet 904.5')	t (EL.									!	
_											
-											
- - - - - Water Obser	nation Data						Bo	narks:			
Water Obser           ☑         Water Encountered During Dr							Rel	nai KS.			
Water Level At End of Drilling	:										
Cave Depth At End of Drilling:	: 14.5 ft.										
▼         Water Level After Drilling:           Cave Depth After Drilling:											

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION:											
9		EST	BOF	KING	LO	G					$\frown$
SURFACE ELEVATION: 915.4 feet	PROF	POSED	OFFIC	E DEVI	ELOPN	IENT					T
COMPLETION DATE: 12/22/16	US HIG	GHWAY MADIS		ID HOE VISCON		ROAD	1				
FIELD REP: JAMES BLAIR	F	PROJEC	CT NO	: 1G-16	612008			F	4550	CIATE	ES, INC.
MATERIAL DESCRIPT		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>10"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist Brown Silty, Sandy Clay, trace Grav		-	915	1-SS	5		2.2		24		
-		-	-	2-SS	9		1.7		15		
Light Brown fine Sand, little Silt, tra-	ce Gravel	-	-								
		5-	910	3-SS	20				5		
-		-	-	4-SS	37		2.5		5		
		10 —		5-SS	22		1.7		7		
-		- - 15 —	- - - - - - - - - - - - - - - - - - -	6-SS	20		1.7		9		
Boring Terminated at about 16 feet 899.4')	(EL.	L	1	1	1	1	I		I	I]	
Water Obser	vation Data						Rer	narks:			
☑       Water Encountered During Dri         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:         ☑       Cave Depth After Drilling:											

BORING NO. & LOCATION: 10	Г	EST	BOF	RING	LO	G					~
SURFACE ELEVATION: 921.2 feet	PRC	POSED	OFFIC	E DEVI	ELOPN	1ENT					2
COMPLETION DATE: 12/23/16	US HI	IGHWAY MADIS		ID HOE VISCOI		ROAD	)				
FIELD REP: KEITH FLOWERS		PROJEC		: 1G-16	312008	,			4330	CIATE	S, INC.
MATERIAL DESCRIPTI	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
14"± Topsoil: Brown Silty Clay, trac and Organic Matter - Moist		5 I I I I I I I I I I I I I I I I I I I		1-SS	4		1.8		19		
Brown Silty, Sandy Clay, trace Grav	'ei - Moist	-		2-SS	7		1.5		15		
Light Brown fine Sand, trace Silt and Moist	d Gravel -	5-		3-SS	12				8		
_			- 915	J-33					0		
_ (Cobbles and Boulders at 8± Feet)			-	4-SS	33				17		
-		10 —	- - - 910	5-SS	27				8		
			-								
Light Gray Silty Gravel - Damp (Probable Weathered Bedrock)		15—	-	6-SS	50/2"				6		
Boring Terminated at about 16 feet 905.2')	L(EL.		<u> </u>		<u> </u>				<u> </u>		
Water Observ	vation Data						Rer	narks:			
Water Observice         ☑       Water Encountered During Dril         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:         ☑       Cave Depth After Drilling:	-										

	POSED									$\frown$
			E DEV	ELOPN	IENT					7
US HIG					ROAD					
F	PROJEC		: 1G-16	12008				ASSO	CIATE	:S, INC.
N	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
	_	- 	1-SS	5		2.0		18		
		-	2-SS	8						
	5-		3-SS	15				8		
	- - -	— 910 - -	4-SS	21				7		
ers)	- 10 <del></del>	-	5-SS	50/4"				14		
•	-	- 905								
pist ers)	15—		6-SS	50/5"						
/ L.										
						Rer	narks:			
ig: 3 ft.										
	A Sand it, trace ers) L.	MADIS PROJEC N  Sand  () () () () () () () () () () () () ()	MADISON, V PROJECT NO N Sand it, trace ers) L. MADISON, V PROJECT NO Sand J Sand Sand J Sand Sand Sand J Sand J Sand	MADISON, WISCON PROJECT NO: 1G-16 N Sand A Sand Sand Sand Sand Sand Sand Sand Sand Sand Sand Sand Sand	MADISON, WISCONSIN         PROJECT NO: 1G-1612008         N       Image: Second se	MADISON, WISCONSIN         PROJECT NO: 1G-1612008         N       Q., (tsf)         Sand       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)         Sand       J., (sf)         Itin       J., (sf)         J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)       J., (sf)	PROJECT NO: 1G-1612008         N       Q:       <	MADISON, WISCONSIN     GI       PROJECT NO: 1G-1612008     Image: State of the	MADISON, WISCONSIN     GILES I ASSO       PROJECT NO: 1G-1612008       N     Qu to be to be to be trace     Qu to be to be	GILES ENGIN ASSOCIATE         PROJECT NO: 1G-1612008         N       Q. (15)       Q. (15) <t< td=""></t<>

BORING NO. & LOCATION: 12	Т	EST	BOF	RING	LO	G					<u> </u>
SURFACE ELEVATION: 912.4 feet	PROF	POSED	OFFIC	E DEVI	ELOPN	IENT					T T
COMPLETION DATE: 12/22/16	US HIC	SHWAY MADIS		ID HOE VISCON		ROAD	1				
FIELD REP: JAMES BLAIR	F	PROJEC	CT NO	: 1G-16	312008				ASSO	CIATE	S, INC.
	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>7"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist Orange-Brown fine to medium Sand		-	-	1-SS	4		2.0		18		
-		-	- - -	2-SS	6				13		
Light Brown fine Sand, little Silt and Moist	Gravel -	5-	- -	3-SS	24						
-		-	- - - - 905	4-SS	24				7		
-		10 –	- - -	5-SS	21				7		
- - Yellow-Brown fine to medium Sand	- Moist		- - - - - - -								
(Possible Weathered Bedrock)		15 –	- -	6-SS	72						
Boring Terminated at about 16 feet 896.4') Water Obser ✓ Water Encountered During Dri Water Level At End of Drilling: Cave Depth At End of Drilling: Water Level After Drilling: Cave Depth After Drilling: Cave Depth After Drilling:	(EL.	<u> </u>	1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>                                     </u>	
Water Obser							Rei	narks:			
☑       Water Encountered During Dri         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:         ☑       Cave Depth After Drilling:	-										

BORING NO. & LOCATION: 13	TE	EST	BOF	RING		G				~	<u> </u>
SURFACE ELEVATION: 912 feet	PROP	OSED (	OFFIC	E DEV	ELOPM	IENT					2
COMPLETION DATE: 12/27/16	US HIG			ID HOE VISCOI		ROAD					
FIELD REP: CHARLES RENS	F	ROJEC	T NO	: 1G-16	612008				4550	CIAI	ES, INC.
MATERIAL DESCRIPTI	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>12"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	e Sand $\frac{\sqrt{h_c}}{\frac{h_c}{h_c}}$	-	_	1-SS	3		1.7		24		
		-	<del>-</del> 910	2-SS	5		1.2		16		
		-	-		-						
Light Brown fine Sand, little Silt and Moist (Possibly includes Cobbles and Bou		5—	-	3-SS	8				9		
-		-	<del>-</del> 905	4-SS	35				7		
-		-	-		-						Poor Sample
-		10 <del>-</del>	-	5-SS	38						Recovery
		-	<u> </u>								
Yellow-Brown fine Sand and Gravel (Possibly includes Cobbles and Bou (Possible Weathered Bedrock)	l - Damp of the latent of the	-	-		-						
-	。 。 〔	15 <del>-</del>	-	6-SS	50/3"						
Boring Terminated at about 16 feet Boring Terminated at about 16 feet Water Observ Water Cover Depth At End of Drilling: Water Level After Drilling: Water Level After Drilling: Cave Depth After Drilling: Cave Depth After Drilling:	(EL. 896')										
Water Observ							Rer	marks:			
☑       Water Encountered During Dril         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:         ☑       Cave Depth After Drilling:	-										

BORING NO. & LOCATION: 14	TE	EST	BOF	RING		G					
SURFACE ELEVATION: 908.7 feet	PROP	OSED	OFFIC	E DEV	ELOPN	IENT					L L
COMPLETION DATE: 12/27/16	US HIG			ID HOE VISCOI		ROAD	1				
FIELD REP: CHARLES RENS	F	ROJEC	CT NO	: 1G-16	612008				ASSO	CIATE	S, INC.
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>18"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist	e Sand	-	-	1-SS	3		1.5		25		
_ Brown Silty Clay, little Sand - Moist		-	-	2-SS	5		1.2		21		
Light Brown fine Sand, little Silt, trac - Moist	e Gravel	- 5 —	905								
_		-	-	3-SS	20						
-		-	-	4-SS	32						
-		- 10 —	- 900	5-SS	22				8		
_		-	-	J-33					0		
Yellow-Brown fine Sand and Gravel (Possible Weathered Bedrock)	- Moist	-									
_	0 0 0	15 —	-	6-SS	50/3"						
Boring Terminated at about 16 feet 892.7')	(EL.		1		1	<u> </u>		<u> </u>	<u> </u>	<u> </u>	
-											
Water Observ	ration Data						Por	marks:			
Water Observ       ✓     Water Encountered During Drill       ✓     Water Level At End of Drilling:       ✓     Cave Depth At End of Drilling:       ✓     Water Level After Drilling:       ✓     Cave Depth After Drilling:							Kei	inarks:			

BORING NO. & LOCATION: 15	TE	EST	BOF	RING		G					
SURFACE ELEVATION: 908 feet	PROP	OSED	OFFIC	EDEV	ELOPN	IENT					Ľ
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCOI		ROAD					
FIELD REP: CHARLES RENS	F	ROJEC	T NO		612008				4550		S, INC.
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
6"± Topsoil: Brown Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist to V		-	-	1-SS	3		1.5		28		
-		-	905	2-SS	7		1.2		17		
Light Brown fine Sand, little Silt, trac - Moist	ce Gravel	5—	-	3-SS	5				19		
-		-	900	4-SS	2				18		
-		10 <del>-</del>	-	5-SS	14				9		
Yellow-Brown fine Sand and Gravel (Possible Weathered Bedrock)	- Damp	-									
	0 0 0	15 <del>-</del>	-	6-SS	50/5"						
Boring Terminated at about 16 feet	(EL. 892')		I								
Water Observ							Rei	marks:			
☑       Water Encountered During Dril         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:         ☑       Cave Depth After Drilling:	ling:										

BORING NO. & LOCATION: 16	TE	EST	BOF	RING	LO	G					~
SURFACE ELEVATION: 905.7 feet	PROP	OSED	OFFIC	E DEVI	ELOPN	1ENT					7
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCOI		ROAD					
FIELD REP: CHARLES RENS	F	ROJEC	T NO	: 1G-16	612008				4550	CIATE	S, INC.
MATERIAL DESCRIPTI	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
20"± Topsoil: Dark Brown Silty Clay Sand and Organic Matter - Moist	/, trace	_	<del>-</del> 905	1-SS	2		0.5		27		
<ul> <li>Brown Silty, Sandy Clay - Moist</li> </ul>		-		2-SS	6		0.9		16		
Light Brown fine to coarse Sand, tra - Moist	ace Gravel	5—	- 	3-SS	8		0.9		14		
Light Brown Silty fine to coarse San		-	_	4-SS	44						
Gravel - Damp (Possibly includes Cobbles and Bou (Possible Weathered Bedrock)	ulders)	- 10 — -	- - - - 895	5-SS	28						
-		- - 15 —	- 890	6-SS	50/2"						
Boring Terminated at about 16 feet 889.7')			0.00		1				<u> </u>		
Water Observ	vation Data						Rer	narks:			
Water Observ       ✓     Water Encountered During Drilling:       ✓     Water Level At End of Drilling:       ✓     Cave Depth At End of Drilling:       ✓     Water Level After Drilling:       ✓     Cave Depth After Drilling:	lling:										

BORING NO. & LOCATION: 17	TE	ST	BOF	RING	LO	G					
SURFACE ELEVATION: 906.5 feet	PROPO	OSED	OFFIC	E DEVI	ELOPN	IENT					T
COMPLETION DATE: 12/28/16	US HIGI			ID HOE VISCON		ROAD					
FIELD REP: CHARLES RENS	PI	ROJEC	T NO	: 1G-16	12008				4550		S, INC.
MATERIAL DESCRIPT	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
4"± Topsoil: Brown Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay, trace Gray		-		1-SS	3		1.7		23		
Light Brown fine Sand, trace Silt an	d Gravel -	-	-	2-SS	9						
Light Brown Silty fine to coarse San Gravel - Moist		- 5 —	-	3-SS	41						
(Possibly includes Cobbles and Bou	Ilders)	-	- 								
-		-	_	4-SS	32						
-		10 —	-	5-SS	19				9		
-		-	- 895 -								
-	6.5M	- 15 —	- - -	6-SS	46				7		
Boring Terminated at about 16 feet 890.5')					<u> </u>	<u> </u>		<u> </u>	<u> </u>		
-											
Water Obser	vation Data						Rei	marks:			
890.5') Water Obser ✓ Water Encountered During Dri ✓ Water Level At End of Drilling: Cave Depth At End of Drilling: ✓ Water Level After Drilling: Cave Depth After Drilling:	lling:										

BORING NO. & LOCATION: 18	TE	EST	BOF	RING	LO	G					
SURFACE ELEVATION:				E DEVE				_	(	$\mathbf{A}$	
906.4 feet COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCON		ROAD	I				
FIELD REP: CHARLES RENS	Р	ROJE	CT NO	: 1G-16	12008				4330	CIAI	ES, INC.
	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>20"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist		-		1-SS	3		1.2		24		
<ul> <li>Brown Silty fine Sand, trace Gravel -</li> </ul>	- Damp	-	-	2-SS	4				21		
- 		5 —		3-SS	11						
Light Gray Silty fine to coarse Sand Gravel - Damp (Possibly includes Cobbles and Bou	• (`	-	- - - -	4-SS	37				7		
Light Brown fine Sand, little Silt, trac - Moist		- 10 <del>-</del>	- - -	5-SS	26				6		
-		- - 	- - - -								
_		15 —	- -	6-SS	32						Poor Sample Recovery
Boring Terminated at about 16 feet ( 890.4')	(EL.										
Water Observ	vation Data						Por	marks:			
890.4') Water Observ ✓ Water Encountered During Drill ✓ Water Level At End of Drilling: Cave Depth At End of Drilling: ✓ Water Level After Drilling: Cave Depth After Drilling:	ling:						1761	1101 N3.			

BORING NO. & LOCATION: 19	TE	EST	BOF	RING	LO	G					<u> </u>
SURFACE ELEVATION: 905.1 feet	PROP	OSED	OFFIC	E DEVI	ELOPN	IENT					7
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCOI		ROAD	)				
FIELD REP: CHARLES RENS	F	ROJEC		: 1G-16	12008				1990		S, INC.
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
20"± Topsoil: Brown Silty Clay, trac and Organic Matter - Moist		-	-	1-SS	3		2.1		24		
<ul> <li>Light Brown fine Sand, trace Silt and Moist         <ul> <li>(Possibly includes Cobbles and Bou</li> <li>(Possibly includes Cobbles and Bou</li> </ul> </li> </ul>		-		2-SS	13						
-		5 <del>-</del>	- 900	3-SS	18						
_		-	 	4-SS	30						
-		- 10 <del>-</del>	 	5-SS	32						
_ _ _ Light Gray Silty Gravel - Damp		-	-								
(Possible Weathered Bedrock)		15 —	- 890	6-SS	50				7		
Boring Terminated at about 16 feet 889.1')	 (EL.				<u> </u>	<u> </u>			<u> </u>		
Water Observ	vation Data						Rei	narks:			
889.1') Water Observ ✓ Water Encountered During Dril ✓ Water Level At End of Drilling: Cave Depth At End of Drilling: ✓ Water Level After Drilling: Cave Depth After Drilling:	ling:										

BORING NO. & LOCATION:	Т	EST I	ROF	RING		G					
								_	(	$\sim$	$\overline{}$
SURFACE ELEVATION: 904.8 feet	PROP	OSED	OFFIC	E DEVI	LOPN	/IEN I				伏	L
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCON		ROAD					IEERING
FIELD REP: CHARLES RENS	]   F	ROJEC	T NO	: 1G-16	12008	5		4	ASSO	CIATE	S, INC.
MATERIAL DESCRIPT		Depth (ft)	Elevation	Sample No. & Type	N	Qu	Q <sub>p</sub>	Qs	W (%)	PID	NOTES
		Dept	Elev	Sam No. 3		(tsf)	(tsf)	(tsf)	(70)		
<b>30"± Topsoil:</b> Black Silty Clay, trac and Organic Matter - Moist	e Sand ( <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>	-	_	1-SS	2		2.3		22		
-	15 N.1.	-	-								
_ Brown Silty, Sandy Clay - Moist		-	_	2-SS	8		1.7		26		
		- 5—	- 900	3-SS	6		1.0		14		
-		-	_								
Light Brown fine Sand, little Silt and	d Gravel -	-	-								
Moist		-	-	4-SS	18				5		
-		10 <del>-</del>	- 895	5-SS	18						
-		-	-								
-		- 15 —		6-SS	36		3.2		9		
Boring Terminated at about 16 feet			Γ			<u> </u>		<u> </u>			
888.8)											
-											
888.8') Water Obsei ✓ Water Encountered During Dr ✓ Water Level At End of Drilling Cave Depth At End of Drilling: ✓ Water Level After Drilling: Cave Depth After Drilling:											
Water Obser	vation Data						Rer	narks:			
□ ☑ Water Encountered During Dr											
Water Level After Drilling:	. 1∠ II.										
Cave Depth After Drilling:											

PROP US HIG	POSED ( GHWAY : MADIS	DFFIC 51 AN SON, V	RING CE DEVE ND HOEI WISCON	ELOPN PKER ISIN	/ENT ROAD	,				Ż
US HIG F	GHWAY ( MADIS PROJEC	51 AN ON, V	ND HOEI WISCON	PKER ISIN	ROAD					Σ.
F	MADIS	ON, V	WISCON 0: 1G-16	ISIN				LES E		$\boldsymbol{\mathcal{T}}$
I				12008			GILES ENGINEERING ASSOCIATES, INC.			
	Depth (ft)	Elevation Sample No. & Type (jst) a (jst)						ASSO	CIATE	S, INC.
		Ele	Sample No. & T	N		Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
	-	_	1-SS	3		2.0		24		
	-	<b>—</b> 910 -	2-SS	6		2.2		23		
	- 5 <del>-</del>	- -	3-SS	5		1.1		17		
Gravel	-	- 905	4-SS	19				8		
	- 10 <del>-</del>	_	5-SS	13				10		
	-	- 								
	15 <del>-</del>	_	6-SS	15						
	-	<b>-</b> 895 - -								
	20 —	_	7-SS	34				8		
						1				
ion Data						Rer	narks:			
<b>j</b> :										
 		avel	avel 	avel 3.5S -905 4.SS -900 -900 	avel 3-SS 5 avel 905 4-SS 19 10 5-SS 13 - 900 - 5-SS 13 - 900 - 6-SS 15 - 6-SS 15 - 6-SS 15 - 7-SS 34	avel 905 4.SS 19 10 5.SS 13 15 6.SS 15 15 7.SS 34 n Data	n Data	avel	avel     3.55     5     1.1     17       avel     -     -     -     -     -       10     -     5.55     13     10       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -     -     -     -       -     -	avel

BORING NO. & LOCATION: 22	Т	EST	BOF	RING	LO	G					
SURFACE ELEVATION:		POSED						_	$\boldsymbol{\mathcal{C}}$	1	$\frown$
911.8 feet		USLD								⑦	7
COMPLETION DATE:	US HIG	HWAY				ROAD	)			٢	$\boldsymbol{\gamma}$
12/22/16		MADIS	SON, V	VISCON	ISIN						NEERING
FIELD REP:								-	4550	CIAII	ES, INC.
JAMES BLAIR	F	PROJEC	TNO		12008						
MATERIAL DESCRIPT		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>18"± Topsoil:</b> Dark Brown Silty Cla - Sand and Organic Matter - Moist			-	1-SS	5		2.1		18		
<ul> <li>Light Brown fine to coarse Sand an Moist</li> <li>(Possibly includes Cobbles and Boundary)</li> </ul>	0	-	— 910 -	2-SS	44						
-	• C	-	-								
-		5-	-	3-SS	51						
-	0 0	_	905	4-SS	45						
-	0 0	-	-								
-		10 —	-	5-SS	71						
-	° C	-	- 900								
-		-	-								
-		- 15 —	-								Poor Sample
-	0 0	-	-	6-SS	34						Recovery
-		-	- 895								
Light Brown fine Sand, little Silt and - Moist	<u>0, 7, 7</u>	-									
(Possible Weathered Bedrock)		20 —		7.00			4.0				
<u></u>			_	7-SS	29		1.8		9		
Boring Terminated at about 21 feet 890.8') Water Obser ✓ Water Encountered During Dri ✓ Water Level At End of Drilling: Cave Depth At End of Drilling: Water Level After Drilling: Cave Depth After Drilling: Cave Depth After Drilling:	(EL.										
Water Obser	vation Data						Rei	marks:			
vater Encountered During Dri											
Water Level At End of Drilling:											
Cave Depth At End of Drilling:	18 ft.										
Cave Depth After Drilling:											

FIELD REP: CHARLES RENS       ASS         MATERIAL DESCRIPTION       Image: Colspan="6">Image: Colspan="6" Colspa="6" Colspa="6" Colspan="6" Colspan="6" Colspan="6" Co	BC	NG NO. & LOCATION: 23 TES	BOF	RING	LO	G				_	~
Interview     GLESS       MADISON, WISCONSIN       GLESS       PROJECT NO: 1G-1612008       MATERIAL DESCRIPTION     Egreg and and Gravel - Moist       12"* Topsol: Black Silty Clay, trace Sand and Organic Matter - Moist     Interview     Interview       Brown Silty, Sandy Clay, trace Gravel - Moist     Interview       Light Brown fine Sand, little Silt and Gravel - Moist     Interview       Vellow-Brown fine Sand and Gravel - Moist (Possible Weathered Bedrock)     Interview     GLESS       Field REP: Organic Matter - Moist     Interview     Interview     GLESS       PROJECT NO: 1G-1612008       Interview     Interview       Interview     Interview       Interview     Interview       Interview     Interview       Interview       Interview       Interview       Interview       Interview       Interview       Interview       Interview       Interview       Interview       Inter	OFF		OFFIC	E DEVI	ELOPN	1ENT		_			$\overline{\mathbf{x}}$
CHARLES RENS         PROJECT NO: 1G-1612008           MATERIAL DESCRIPTION         End of the second se		12/28/16 MA				ROAD					<b>NEERING</b> ES, INC.
12"± Topsoli: Black Silty Clay, trace Sand and Organic Matter - Moist       1-SS       2       1.4       25         Brown Silty, Sandy Clay, trace Gravel - Moist       905       2-SS       5       1.2       13         Light Brown fine Sand, little Silt and Gravel - Moist       5       3-SS       6       8         900       4-SS       45       6         900       4-SS       50/3"       6         900       -       -       -       -         900       -       -       -       -         900       -       -       -       -         900       -       -       -       -         900       -       -       -<	CT N		T NO:		12008						
1 2 Topson: Datk Silly Clay, frace Said       1.5S       2       1.4       25         Brown Silty, Sandy Clay, trace Gravel - Moist       905       2.5S       5       1.2       13         Light Brown fine Sand, little Silt and Gravel - Moist       5       3.5S       6       8         - Moist       5       3.5S       6       8         - Moist       5       5.5S       18       6         - Moist	Elevation		Elevation	Sample No. & Type	N			-	W (%)	PID	NOTES
Light Brown fine Sand, little Silt and Gravel - Moist	-  -	l Organic Matter - Moist	-	1-SS	2		1.4		25		
Light Brown fine Sand, little Silt and Gravel - -Moist		wn Silty, Sandy Clay, trace Gravel - Moist	- 905	2-SS	5		1.2		13		
-       -       3-SS       6       8         -       -       -       -       -       6         -       -       -       -       -       6         -       -       -       -       -       6         -       -       -       -       -       6         -       -       -       -       -       6         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -       -         -       -       -       -       -       -       -       -         - </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-								
	•- -			3-SS	6				8		
-Yellow-Brown fine Sand and Gravel - Moist (Possible Weathered Bedrock) 	- 		- 	4-SS	45				6		
-Yellow-Brown fine Sand and Gravel - Moist (Possible Weathered Bedrock) 	- -		-	5-88	18						No Sample Recovery
-Yellow-Brown fine Sand and Gravel - Moist (Possible Weathered Bedrock) 											Recovery
(Possible Weathered Bedrock)	- 89		- 895								
		low-Brown fine Sand and Gravel - Moist 1 ssible Weathered Bedrock)		6-SS	50/3"						No Sample Recovery
890 			-		-						
- 20 - 7-SS 50/4"			- 890								
Boring Terminated at about 21 feet (EL. 887.1') Water Observation Data Remarks:	-		-	7-SS	50/4"						
Water Observation Data											
Water Observation Data Remarks:											
		Water Observation Data					Rer	narks:			
☑       Water Encountered During Drilling:         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling: 19 ft.         ☑       Water Level After Drilling:         ☑       Cave Depth At End of Drilling: 19 ft.         ☑       Cave Depth After Drilling:		Water Level At End of Drilling: Cave Depth At End of Drilling: 19 ft. Water Level After Drilling:									

BORING NO. & LOCATION: 24	TEST BORING LOG PROPOSED OFFICE DEVELOPMENT											
SURFACE ELEVATION: 904.2 feet	PROF	POSED	OFFIC	E DEV	ELOPM	IENT					Ľ	
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCO		ROAD	)					
FIELD REP: CHARLES RENS	F	PROJEC	CT NO	: 1G-16	612008				ASSO	CIATE	S, INC.	
MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES	
15"± Topsoil: Black Silty Clay, trace - and Organic Matter - Moist	e Sand	-	-	1-SS	3		1.9		24			
Brown Silty, Sandy Clay - Moist		-	- - -	2-SS	6		2.2		20			
Brown fine to medium Sand and Gr. - trace Silt - Moist	avel,	5-	- -	3-SS	15							
-	) (0 (0 (0)	-	-	4-SS	28							
Light Brown fine Sand, little Silt, trac – Moist –	ce Gravel	- 10 <del>-</del> -	- - - -	5-SS	18				9			
Orange-Brown fine Sand, trace Gra	vel -	-	- - - - 890		-							
<ul> <li>(Possibly includes Cobbles and Bou</li> <li>(Possible Weathered Bedrock)</li> </ul>	Ilders)	15 <b>—</b> -		6-SS	50/3"							
-		-			-							
		20 —	-	7-SS	50/2"							
Boring Terminated at about 21 feet 883.2')	(EL.											
Water Obser	vation Data						Rei	marks:				
Boring Terminated at about 21 feet 883.2') Water Obser Water Encountered During Dri Water Level At End of Drilling: Cave Depth At End of Drilling: Water Level After Drilling: Cave Depth After Drilling:	-											

BORING NO. & LOCATION: 25	٢	EST	BOF	RING	i LO	G					
SURFACE ELEVATION: 904.4 feet	PRC	POSED	OFFIC	E DEV	ELOPN	IENT					
COMPLETION DATE: 12/28/16	US H	IGHWAY MADIS		ID HOE VISCOI		ROAD					Y NEERING ES, INC.
FIELD REP: CHARLES RENS		PROJEC	CT NO	: 1G-16	612008				4330	CIAI	<b>ES, INC.</b>
MATERIAL DESCRIPT	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>12"± Topsoil:</b> Brown Silty Clay, trac , and Organic Matter - Moist				1-SS	3		1.7		23		
Brown Silty Clay - Moist to Very Mo	ist	-	-	2-SS	9		1.5		19		
-		5-	900	3-SS	- 18				20		Poor Sample Recovery
		-	-	4-SS	29						
Light Brown Silty fine Sand, little Gr Moist (Possible Weathered Bedrock)	avel -	10-	- 895	5-SS	50/4"				13		
-											
Yellow-Brown fine Sand - Moist - (Possible Weathered Bedrock)			-	6-SS	70						
- - -		- 20-		7-SS	50/2"						
Boring Terminated at about 21 feet - 883.4') Water Obser	(EL.	<u></u>	<u> </u>		<u> </u>	<u> </u>			<u> </u>		
Water Obser	vation Data						Rei	narks:			
☑       Water Encountered During Dri         ☑       Water Level At End of Drilling:         Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:	-										

BORING NO. & LOCATION: 26	TI	EST	BOF	RING	i LO	G				~	
SURFACE ELEVATION: 907.5 feet	PROF	POSED	OFFIC	E DEV	ELOPN	IENT		_			Ţ
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCO		ROAD	)				
FIELD REP: CHARLES RENS	F	PROJEC			612008				4550		ES, INC.
	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>24"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist	e Sand $\frac{\langle M_{2} \rangle}{\langle V_{2} \rangle}$	-	-	1-SS	2		2.2		22		
Brown Silty, Sandy Clay - Moist -		-	- 905	2-SS	6		2.2		22		
Light Brown fine Sand, little Silt, trac - Moist (Possibly includes Cobbles and Bou		5-		3-SS	13						
-		-		4-SS	22						
Light Gray Silty Gravel - Damp (Possible Weathered Bedrock)		- 10-	-	5-SS	50/2"						Poor Sample Recovery
Boring Terminated at about 11 feet 896.5') -	(EL.	<u>_</u>	<u> </u>		1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
-											
-											
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth After Drilling:	lling:						Rei	marks:			

Changes in strata indicated by the lines is shown on the Boring Location Plan. app

BORING NO. & LOCATION: 27	TI	EST									
SURFACE ELEVATION: 905.9 feet	PROF	POSED	OFFIC	E DEVI	ELOPN	<b>/</b> ENT					T
COMPLETION DATE: 12/28/16	US HIG	HWAY MADIS		ID HOE VISCON		ROAD	)				
FIELD REP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	12008	5			ASSO	CIATE	ES, INC.
MATERIAL DESCRIPTI	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>4"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	Sand	_	- 905	1-SS	3		1.8		24		
-		-	-	2-SS	10		0.9		19		
Light Brown fine Sand, little Silt, trac - Moist	ce Gravel	- 5 <b>-</b>	- 900	3-SS	19						
Light Brown fine Sand - Moist		-	-	4-SS	32						
Light Brown fine Sand, trace Silt an Moist	d Gravel -	- 10 <b>—</b>	-	5-SS	19						
Boring Terminated at about 11 feet 894.9') -	(EL.		<u>— 895  </u>							·	
-											
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         Cave Depth At End of Drilling:       Water Level After Drilling:         ✓       Water Level After Drilling:         Cave Depth After Drilling:       Cave Depth After Drilling:         Changes in strata indicated by the lines are approximately	lling: 8.5 ft.							marks:			

is shown on the Boring Location Plan.

BORING NO. & LOCATION: 28	TI	EST	BOF	RING	LO	G					_
SURFACE ELEVATION: 908 feet	PROF	OSED (	OFFIC	E DEVI	ELOPN	/ENT					7
COMPLETION DATE: 12/28/16	US HIG			ID HOE VISCON		ROAD					
FIELD REP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	12008	5			ASSO	CIATE	ES, INC.
	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
20"± Topsoil: Black Silty Clay, trace and Organic Matter - Moist	Sand (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	_	-	1-SS	2		1.2		24		
<ul> <li>Brown Silty, Sandy Clay - Moist</li> </ul>		-		2-SS	5		0.5		15		
Brown fine Sand, little Silt - Moist		- 5 —	-	3-SS	6						
 _ Brown Silty fine to coarse Sand and Moist	Gravel -	-	- 900	4-SS	17						
-		-	- 900								
	• •	10 —		5-SS	39						
Boring Terminated at about 11 feet ( - -	LL. 097 )										
Water Observ	ation Data						Rei	marks:			
Water Observ         ✓       Water Encountered During Drill         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth After Drilling:         ✓       Cave Depth After Drilling:											

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING	<b>NO. &amp; LOCATION:</b> 29	TI	EST	BOF	RING	LO	G					
SURFAC	E ELEVATION: 911.7 feet	PROF	OSED	OFFIC	E DEVI	ELOPN	IENT					7
COMPLE	ETION DATE: 12/27/16	US HIG			ID HOE VISCON		ROAD					
FIELD RI	EP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	12008				4330		S, INC.
	MATERIAL DESCRIPTI		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
and O	<b>Topsoil:</b> Black Silty Clay, trace rganic Matter - Moist Silty, Sandy Clay - Moist	e Sand	-		1-SS	4		1.2		26		
-			-	-	2-SS	4		0.9		17		
Light E - Moist	Brown fine Sand, little Silt, trac t	ce Gravel	- 5 —	-	3-SS	17						
-			-	905	4-SS	27				8		
-			- 10 <del>-</del>	-	5-SS	18		1.6				
Boring 900.7''	Terminated at about 11 feet	(EL.										
-												
-												
-												
	Water Obser	vation Data						Rei	marks:			
∑	/ater Encountered During Dri /ater Level At End of Drilling: ave Depth At End of Drilling: /ater Level After Drilling:	lling:										
C	ave Depth After Drilling:											

BORING NO. & LOCATION: 30	Т	BOF				~					
SURFACE ELEVATION: 918.4 feet	PROF	POSED	OFFIC	EDEV	ELOPN	IENT					$\overline{\mathbf{x}}$
COMPLETION DATE: 12/27/16	US HIG	GHWAY MADIS		ID HOE VISCOI		ROAD	1				
FIELD REP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	612008				4550	CIAII	ES, INC.
MATERIAL DESCRIPTI	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
6"± Topsoil: Black Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	Sand	_	-	1-SS	3		1.3		24		
-		_	- 	2-SS	20				9		
Light Brown fine Sand, little Silt, trac - Moist (Possibly includes Cobbles and Bou		5-		3-SS	25						
			-	4-SS	50/3"						No Sample Recovery
_			— 910 -		-						
-		10-	-	5-SS	39						
Boring Terminated at about 11 feet 907.4')	<b>、</b>										
Water Obser	vation Data						Rei	marks:			
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth At End of Drilling:	lling:										

BORING NO. & LOCATION: 31	T	EST	BOF	RING	LO	G					~
SURFACE ELEVATION: 921.1 feet	PROF	POSED	OFFIC	E DEVE	ELOPN	/IENT		_			7
COMPLETION DATE: 12/23/16	US HIG			ID HOE VISCON		ROAD	)				
FIELD REP: KEITH FLOWERS	F	PROJEC	T NO	: 1G-16	12008				4550		S, INC.
MATERIAL DESCRIPT		Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
16"± Topsoil: Black Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	e Sand	-		1-SS	5		1.7		15		
-		-		2-SS	6		1.2		14		
Light Brown fine Sand, little Silt, tra- - Moist	ce Gravel	5 <b>—</b> -	- 915	3-SS	9						
-		-	-	4-SS	13				7		
		10-	- -	5-SS	18						
Boring Terminated at about 11 feet 910.1') -	(EL.									I	
-											
Water Obser	vation Data						Rei	marks	:		
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:											

BORING NO. & LOCATION: 32	Т	EST	BOF	RING		G					
SURFACE ELEVATION:								_	(	$\overline{}$	$\frown$
922.9 feet	PROF	POSED	OFFIC							余	. 7
COMPLETION DATE:	US HIC	GHWAY	51 AN	ID HOEI	PKER	ROAD	)			$\mathbf{P}$	$\mathbf{\gamma}$
12/28/16				NISCON		-					IEERING
FIELD REP:								4	ASSO	CIATE	S, INC.
KEITH FLOWERS		PROJEC	т NO	: 1G-16	12008	5					
		ff)	E E	ype					w		
MATERIAL DESCRIPT	ION	Depth (ft)	Elevation	Sample No. & Type	Ν	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	(%)	PID	NOTES
	Sond Marin	<u> </u>	<u> </u>	Sa							
<b>14"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist				1.00							
Light Brown fine Sand, little Silt, tra	ce Gravel	-		1-SS	4		2.3		14		
– - Moist		-	-								
_		_	920	2-SS	6						
		1									
-		-	-								
_		5-	F		10						
				3-SS	13						
-		-									
-		-	-								
			- 915	4-SS	22				7		
-		-	-								
_		10-	F								
				5-SS	29						
Boring Terminated at about 11 feet	(EL.										
_ 911.9) _											
_											
-											
_											
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth After Drilling:         ✓       Cave Depth After Drilling:											
Water Obser							Rei	marks:			
✓     ✓     Water Encountered During Dri       ✓     ✓     Water Level At End of Drilling:											
Cave Depth At End of Drilling:											
Water Level After Drilling:											
Cave Depth After Drilling:											

BORING NO. & LOCATION: 33	T	ESTI	BOF	RING	LO	G					
SURFACE ELEVATION: 927 feet	PROF	POSED	OFFIC	E DEVE	ELOPN	/ENT					7
COMPLETION DATE: 12/27/16	US HIG	GHWAY MADIS		ID HOE VISCON		ROAD	1				
FIELD REP: CHARLES RENS	F	PROJEC	T NO	: 1G-16	12008	8			4550		S, INC.
MATERIAL DESCRIPTI	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>17"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist	e Sand	_	_	1-SS	4		1.7		22		
_ Brown Silty, Sandy Clay - Moist		-	— 925 -	2-SS	5		0.5		16		
Light Brown fine Sand, little Silt, trac - Moist	ce Gravel	5-	_	3-SS	13						
-			<b>-</b> 920	4-SS	25				8		
-		-	_								
		10-	_	5-SS	27						
Image: Second state of the second											
Water Obser	vation Data						Rei	marks:			
☑       Water Encountered During Dril         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling:         ☑       Water Level After Drilling:         ☑       Cave Depth After Drilling:											

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

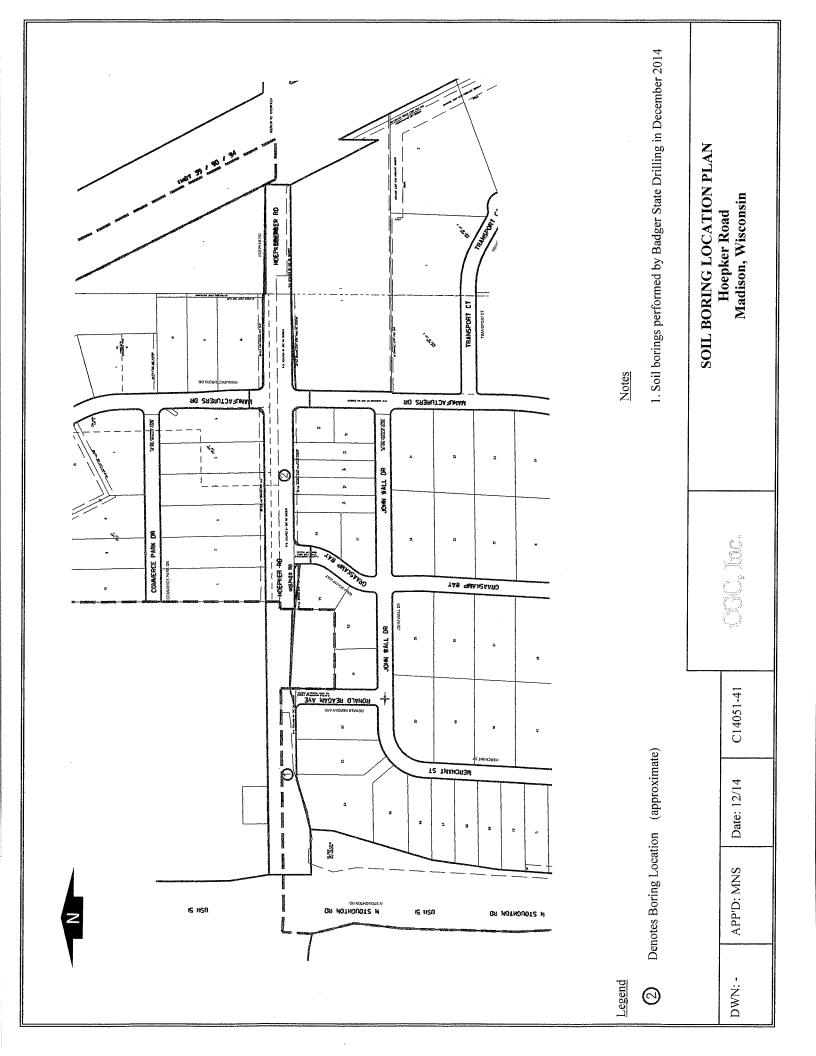
BORING NO. & LOCATION: 34	Т	EST	BOF	RING	LO	G					<u> </u>
SURFACE ELEVATION: 918.5 feet	PRO	POSED	OFFIC	CE DEVI	ELOPN	<b>MENT</b>					2
COMPLETION DATE: 12/22/16	US HI	GHWAY MADIS		ND HOE WISCON		ROAD					
FIELD REP: JAMES BLAIR		PROJEC	CT NO	: 1G-16	612008	8			4550	CIATE	ES, INC.
MATERIAL DESCRIPT	ION	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
<b>12"± Topsoil:</b> Brown Silty Clay, trac and Organic Matter - Moist Brown Silty fine Sand - Moist	ce Sand	- <u>-</u>	-	1-SS	3		2.9		22		
-		- - - - - -	- - - - 915	2-SS	3				11		
-		5-	-	3-SS	4						
<ul> <li>Light Brown fine Sand, trace Silt an Moist</li> <li>(Possibly includes Cobbles and Bol</li> <li>(Possible Weathered Bedrock)</li> </ul>			-	4-SS	23						
-		10 –	- 910 - - -	5-SS	59						
Boring Terminated at about 11 feet 907.5')	(EL.	· .			1	1			<u> </u>		
_											
-											
_											
-											
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:											
Water Obser	vation Data						Re	marks			
☑ Water Encountered During Dri											
Water Level At End of Drilling:											
Cave Depth At End of Drilling:	7 ft.										
Water Level After Drilling:											
Cave Depth After Drilling: Changes in strata indicated by the lines are approximation	te hermelen i hetrieen e	ail famaa . Tha		neitien merri				avabbi bati			-41

BORING NO. & LOCATION: 35	TI	EST	BOF	RING	LO	G					
SURFACE ELEVATION: 915 feet	PROF	POSED	OFFIC	CE DEVE	ELOPN	/ENT					Σ,
COMPLETION DATE: 12/22/16	US HIG			ID HOE WISCON		ROAD	)				
FIELD REP: JAMES BLAIR	F	PROJEC	CT NO	: 1G-16	12008	}			ASSO	CIATE	S, INC.
MATERIAL DESCRIPTI	ON	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES
12"± Topsoil: Dark Brown Silty Clay Sand and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	$v$ , trace $\frac{\sqrt{L_2}}{L_2}$	-	-	1-SS	5		2.4		22		
-		-	-	2-SS	7		2.5		17		
Light Brown fine Sand, little Silt and Moist (Possibly includes Cobbles and Bou -		5-	- 910 -	3-SS	13						
-		-	-	4-SS	25						
_		10-	905	5-SS	20						
Boring Terminated at about 11 feet	(EL. 904')										
- Wotor Obser	ration Data						Ba	morko			
Water Observ         ✓       Water Encountered During Dril         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth After Drilling:	ling:						Ke	marks:			

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: 36	TEST BORING LOG										<u> </u>			
SURFACE ELEVATION: 923.9 feet	PROPOSED OFFICE DEVELOPMENT													
COMPLETION DATE: 12/22/16	US HIGHWAY 51 AND HOEPKER ROAD MADISON, WISCONSIN								GILES ENGINEERING					
FIELD REP: JAMES BLAIR	PROJECT NO: 1G-1612008								ASSOCIATES, INC.					
MATERIAL DESCRIPTIO	N	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES			
12"± Topsoil: Black Silty Clay, trace S and Organic Matter - Moist	Sand $\frac{x^{k} l_{z}}{l_{z} + x^{k} l}$													
Light Brown fine Sand, little Silt, trace - Moist			-	1-SS	5		2.5		19					
-		-	-	2-55	13									
			920											
-		5-	-	3-SS	15									
-		-	-	4-SS	42				6					
-			915											
-		10-	_	5-SS	37									
Boring Terminated at about 11 feet (E 912.9')	E.	J	<u> </u>	1	<u> </u>	1	1	1	<u> </u>	1				
-														
Ī														
_														
-														
Ē														
Water Observa	tion Data						Re	marks:						
☑       Water Encountered During Drillin         ☑       Water Level At End of Drilling:         ☑       Cave Depth At End of Drilling: 7														
<ul><li>✓ Water Level After Drilling:</li><li>✓ Cave Depth After Drilling:</li></ul>														
Changes in strata indicated by the lines are approximate is shown on the Boring Location Plan	boundary between so	il types. The	actual tra	ansition may b	e gradual	and may v	ary consid	erably betv	veen test b	orings. Lo	cation of test boring			

BORING NO. & LOCATION: 37	T	EST	BOF	RING	LO	G						
SURFACE ELEVATION: 922.8 feet	POSED OFFICE DEVELOPMENT											
COMPLETION DATE: 12/27/16	GHWAY 51 AND HOEPKER ROAD MADISON, WISCONSIN							GILES ENGINEERING ASSOCIATES, INC.				
FIELD REP: CHARLES RENS	F	PROJECT NO: 1G-1612008										
MATERIAL DESCRIPT	Depth (ft)	Elevation	Sample No. & Type	N	Q <sub>u</sub> (tsf)	Q <sub>p</sub> (tsf)	Q <sub>s</sub> (tsf)	W (%)	PID	NOTES		
<b>12"± Topsoil:</b> Black Silty Clay, trace and Organic Matter - Moist Brown Silty, Sandy Clay - Moist	e Sand	-	_	1-SS	2		1.7		24			
-	5-		2-SS	5		0.6		15				
Light Brown fine Sand, little Silt, tra- - Moist (Possibly includes Cobbles and Bou		-	3-SS	8								
-		-	- 915 -	4-SS	31				7			
_		10 —	_	5-SS	21							
Boring Terminated at about 11 feet 911.8') - - - - - - -	(EL.											
Water Obser					Rei	marks:						
Water Obser         ✓       Water Encountered During Dri         ✓       Water Level At End of Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Water Level After Drilling:         ✓       Cave Depth At End of Drilling:         ✓       Cave Depth At End of Drilling:												



CGC Inc.						bject Hoepker Road	Boring No. <b>1</b> Surface Elevation (ft) Job No. <b>C14051-41</b>						
					Lo	cation Madison, Wisconsin		Sheet	1(	of	1		
	CV	MPL	E	292	1 Per	ry Street, Madison, WI 53713 (608) 288-4100, FAX	SOIL PROPERTIES						
r	T Rec Depth				-	VISUAL CLASSIFICATION	-	qu		/1			
No. H		Moist	N	(ft)		and Remarks		(qa) (tsf)	W	LL	PL	LI	
				  _ 	$\bigotimes$	4 in. Asphalt Pavement/8 in. Base Course							
1	12	М	12		詽	FILL: Brown Clay with Silt and Gravel							
						Very Stiff, Brown Lean CLAY, Trace Sand (CL)	)	(2.5)					
		þ											
2	8	M	11	ḟ− ⊢									
						Medium Dense, Brown Fine to Medium SAND, Little Silt, Clay and Gravel (SP-SM/SP-SC)							
				,									
3	16	M	21			Medium Dense, Brown Fine to Medium SAND,	· — — —						
					111	Some Silt and Gravel, Scattered Cobbles and Boulders (SM)							
				┮ ┝──									
4	12	M	29	<u>+</u> 									
				Ĺ I									
				┯ <u></u> 10− ⊢	1.11								
				L   						:			
					·      ·								
				Г 	1.11								
5	14	M	28						-				
				  - 									
				┼── <sup>15-</sup> ├-		End Boring at 15 ft							
				    -		Borehole backfilled with bentonite chips							
	1		W		2 LE	VEL OBSERVATIONS	Ģ	SENERA		TE	5	L	
	e Drill			NW	I	Jpon Completion of Drilling Start		0/14 End	12/1				
Time Deptl		Drillin Vater	ng			□ Driller	er N	SD Chief IG Edito	r ES		tig <u>C</u>	ME-55	
Dept	1 to C	ave in	tion 1	lines re	pres	ent the approximate boundary between	Method					•••••	
l soi	1 type	es and	the t	ransit:	lon m	ay be gradual.	• • • • • • • • • • •	•••••	• • • • • • • • • • •		•••••	• • • • • • •	

C	G	CI	nc		LOG OF TEST BORING Project Hoepker Road Location Madison, Wisconsin Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)	1							
SAMPLE							SOIL PROPERTIES						
No.	T Rec Moist N Depth				and Remarks	qu (qa) (tsf)	w	LL	PL	LI			
				    _ 	7 in. Asphalt/6 in. Base Course								
1	0	М	8		FILL: Brown Clay with Sand and Gravel								
2	4	M	5	   	Loose, Brown Fine to Medium SAND, Little Silt and Clay, Trace Gravel (SP-SM/SP-SC)								
3	12	M	29		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)			-					
4	16	M	18										
			50/01		Probable Weathered to Competent Brown Sandy Dolomitic Limestone BEDROCK			-					
5	2	M	50/2"	′      15	End Boring at 14 ft due to auger refusal on competent bedrock		-						
					Borehole backfilled with bentonite chips	GENERA		ТЕ					
Whit	e Dril	ing			LEVEL OBSERVATIONS         Upon Completion of Drilling       Start 1	2/10/14 End							
Time Dept Dept	e After h to W h to C	Drilli Vater ave in	ng		I I Driller 	BSD Chief	J r ES	F I	Rig <u>C</u>	ME-55			