

DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive Kathleen M. Falk

1919 Alliant Energy Center Way • Madison, Wisconsin 53713 Phone: (608) 266-4018 • Fax: (608) 267-1533

Commissioner / Director Gerald J. Mandli

MAY 29, 2008

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 108018 - ADDENDUM NO. 3

NEW BADGER PRAIRIE HEALTH CARE CENTER

<u>BIDS DUE</u>: THURSDAY, JUNE 5, 2008, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

1. Document Index (Volumes One, Two & Three)

Page 1:

Change: "SCHEDULES & DETAILS", to: "SCHEDULES, DETAILS & SOIL BORINGS"

Page 1: Change:

"200 Equipment Schedule 201-203"

to:

"200 Equipment Schedule 201-203

-- Soil Boring Logs 31"

2. Project Manual Volume One

After Schedule page 203 (end of Volume), add new section, Soil Borings Logs, issued with this Addendum.

3. Sheet C1

Delete current Sheet C1; replace with new Sheet C1, issued with this Addendum.

4. Sheet C2

Delete current Sheet C2; replace with new Sheet C2, issued with this Addendum.

5. Sheet C3

Delete current Sheet C3; replace with new Sheet C3, issued with this Addendum.

Addendum No. 3

RFB No. 108018 - 1 - rev. 07/05

6. Sheet C4

Delete current Sheet C4; replace with new Sheet C4, issued with this Addendum.

7. Sheet C6

Delete current Sheet C6; replace with new Sheet C6, issued with this Addendum.

8. Sheet C7

Delete current Sheet C7; replace with new Sheet C7, issued with this Addendum.

9. Sheet C9

Delete current Sheet C9; replace with new Sheet C9, issued with this Addendum.

10. AutoCAD file

On the Public Works Engineering web site (www.countyofdane.com/pwht/bid/logon.aspx) is an AutoCAD file of the Badger Prairie project site. It is AutoCAD version 2000 (backdated to the 2000 version). It contains the existing and proposed contours, the existing and proposed buildings, and the existing and proposed roads. It provides the same information available on the C series drawings. A disclaimer comes with this drawing.

If any additional information about this Addendum is needed, please call Scott Carlson at 608/266-4179.

Sincerely, Scott Carlson Project Engineer

Enclosures:

Soil Boring Logs (31 pages) Sheets a/3 C-1, 2, 3, 4, 6, 7, 9 AutoCAD file (not attached to, but part of Addendum No. 3)

S:\PubWork\Shared\Engineering Division\Scott Carlson\106081 - BP New Facility Design\108018 - CDs\Add'm3\108018 - Addendum 3.doc

RFB No. 108018 - 2 - rev. 07/05

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Boring No. SB1 Surface Elevation (ft) 963.3 Project Badger Prairie Health Care 1100 E. Verona Ave. Job No. **C07069** Location Verona, Wisconsin Sheet 1 of 1

L				2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887				
	SA	MPL	Ę		VISUAL CLASSIFICATION SOII	_ PRC	PEF	RTIE	S
No.	Rec P (in.)	Moist	N	Depth (ft)	and Remarks qu (qa) (tsf)	W	LL	PL	LI
					FILL: Dark Brown Silty Clay with Sand and				
1	14	M	7	 	Gravel Stiff, Dark Brown Lean CLAY, Trace Sand and (1.5)				
				ļ	Organic Material (CL - Possible Buried Topsoil				
2	4	M	8	<u></u>	Layer) (-)				
				- 3- -	USDA: 10 YR 3/1 Silty Clay Loam				
3	12	M	23	-	Brown Lean CLAY, Trace Sand and Gravel (CL)				
				ļ	Medium Dense to Dense, Brown Fine to Medium				
4	14	M	44	L	SAND, Some Silt and Gravel, Scattered				
				10-	Cobbles/Boulders (SM)		 		
									7712
				<u>├</u>	USDA: 10 YR 5/4 Gravelly Sandy Loam				Case
					End Boring at 10 ft				
				15-	Borehole backfilled with bentonite chips				
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W/bile	Drilli	na ⁷	Z N	XX /		2/10	707		
Time				YY	Upon Completion of Drilling NW Start 3/12/07 End Driller Badger Chi	3/12 ef JH	11.4.7 IR F	Rio Cl	ME-75
Depth	to Wa	ıter	0		Logger GFP Edi	or \mathbf{D}_{ℓ}	\S	45 M	ia n idri
Depth	to Car	ve in			Drill Method 2-1/4 i	n. HSA			
The soil	strati types	ficati and t	on li he tr	nes rep	resent the approximate boundary between nay be gradual.				



Boring No. SB2 Project Badger Prairie Health Care Surface Elevation (ft) 972.7 1100 E. Verona Ave. Job No. **C07069** Sheet 1 of 1 Location Verona, Wisconsin

				_ 2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)	288-7887				
	SA	MPL	E.		VISUAL CLASSIFICATION	SOIL	PRC	PEF	RTIE	S
No.	ү кес Р E(in.)	Moist	И	Deptn (ft)	and Remarks	qu (qa) (tsf)	W	LL	PL	LI
1	10	М	17	<u></u>	12 in. TOPSOIL FILL (OL) FILL: Medium Dense, Brown Fine to Medium Sand, Little Silt, Some Gravel, Scattered					
2	10	M	9	<u> </u>	Cobbles/Boulders	(1.5)				
				5- 	USDA: Fill - 10 YR 5/4 Gravelly Loamy Sand					
3	14	M	15	<u> </u>	Stiff, Dark Brown Lean CLAY, Trace Sand (CL - Possible Buried Topsoil Layer)					
4	12	М	26		USDA: 10 YR 3/1 Silty Clay Loam Brown Lean CLAY, Trace Sand and Gravel (CL -					
			من المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة المناطقة	25-	Fine to Medium SAND, Little Silt, Scattered to Numerous Cobbles/Boulders (SP-SM) USDA: 10 YR 7/3 Very Gravelly Loamy Sand End Boring at 10 ft Borehole backfilled with bentonite chips					
			WΔ	TER	LEVEL OBSERVATIONS G	ENER	AL N	JTE	S	
Time Depth Depth	Drilli After I to Wa to Ca	Drillin ater ve in	ıg	W	Driller Ba Logger G Drill Metho	FP Edit	or D	IR]	Rig <u>C</u> 	ME-75
The soil	strati L types	.flCat:	ion I: The ti	ines rep cansiti	present the approximate boundary between on may be gradual.				· · · · · · · · · · · ·	



Boring No. SB3 Surface Elevation (ft) 970.1 Project Badger Prairie Health Care 1100 E. Verona Ave. Job No. **C07069** Location Verona, Wisconsin Sheet 1 of 1

				_ 2921	Per	ry Street, Madison, WI 53713 (608) 288-4100, FAX (608	288-788	7			
	SA	MPL	E	·		VISUAL CLASSIFICATION	SO	L PRO	PE	RTIE	S
No.	Y Rec P (in.)	Moist	N	Depth (ft)		and Remarks	qu (qa) (tsf)	W	LL	PL	LI
				Ĺ.		7 4 in. TOPSOIL FILL (OL)					
1	14	M	24	F		Medium Dense to Dense, Light Brown/Brown					
				ļ		Gravelly Fine to Medium SAND, Little Silt, Scattered to Numerous Cobbles/Boulders (SP-SM)					
2	12	M	24	<u></u>		Seattered to Pullicious Coobles/Doubles (51-514)					-
				 		USDA: 10 YR 7/3 Very Gravelly Loamy Sand					
3	16	M	42	_							
				 		Medium Dense to Dense, Reddish Brown Fine to					
4	18	М	25	С_	111	Medium SAND, Some Silt (SM)					
				10-	نتنا	\USDA: 7.5 YR 5/4 Sandy Loam					
				├		End Boring at 10 ft					
						zna zomig u iv it					
						Borehole backfilled with bentonite chips					
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			VVA	TER	ᄔ	EVEL OBSERVATIONS (SENER	AL N	OIE:	S	
While				<u>W</u>	U	pon Completion of Drilling NW Start 3/1	(2/07 En	d 3/1	2/07		1000
Time .			g .			Driller Ba	dger Ch	ief Jl	HR I	Rig CI	ME-75
Depth						Logger C	FP Ed	itor D	AS	••••	
Depth			on 1:	nae ==		Drill Metho	od 2-1/4	in, HSA			
soil	types	and t	he tr	nes rep ansitio	on m	ent the approximate boundary between ay be gradual.					



Boring No. SB4 Project Badger Prairie Health Care Surface Elevation (ft) 967.0 1100 E. Verona Ave. Job No. **C07069** Location Verona, Wisconsin Sheet 1 of 1

SAMPLE 292					Per	ry Street, Madison, WI 53713 (608) 288-4100, FAX (608					
	SA	MPI	_ L			VISUAL CLASSIFICATION	SOIL	PRO	PEF	RTIE	:S
No.	Rec P (in.)	Moist	N	Depth (ft)		and Remarks	qu (qa) (tsf)	W	LL	PL	LI
					HH	FILL: Very Stiff, Dark Brown Organic Silty to					
1	10	M	7	-		Lean Clay (Possible Topsoil Fill)	(2.5)	25.2			7.7
	10			<u> </u>							
2	10	M	6	<u> </u> 		1/2" Wood Ash Layer at 4.5 ft Stiff, Dark Brown Lean CLAY, Trace Sand and	(0.75-1.5)	27.3			7.0
3	14	M	7	L		Organic Material (CL - Possible Buried Topsoil)					<u> </u>
3	14	171				Medium Stiff to Stiff, Brown Lean CLAY, Trace	(1.0)	27.8			
4	16	M	7	 		Sand and Gravel (CL)		<u> </u>			
- 4	10	101		10-		Grades to Gray/Brown (Mottled) Near 10 ft	(1.0)	25.8			
				 		Medium Dense to Dense, Brown Gravelly Fine to Medium SAND, Little Silt, Scattered to Numerous					
-						Cobbles/Boulders (SP-SM)					
5	14	M	43								
			,,,	⊢ — 15—		USDA: 10 YR 7/3 Very Gravelly Loamy Sand					
				<u> </u>							
6	16	W	26	Ā							
				20-					ļ <u>.</u>		_
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7	8	W	34								
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8	4	W	28	_							
			<u> </u>	30	باللك	End Boring at 30 ft					
			[-		~					
			1			Borehole backfilled with bentonite chips					
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			WA	TER	LE	EVEL OBSERVATIONS (SENERA	LNC	TE	5	
While	Drilli	ng ⁵	Z 18	3.5'	U	Jpon Completion of Drilling NW Start 3/	12/07 End	3/12	/07		
Time A	After I	Drillin				Driller Ba	dger Chief	JH	R	Rig C	ME-75
Depth Depth						Logger 17' Logger C	GFP Editor od 2-1/4 in.		Ş		
The	strati	ficati	on li	nes rep	rese	ent the approximate boundary between ay be gradual.	/G /47.1/11.111.	1107			
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Boring No. SB5 Surface Elevation (ft) 966.6 Project Badger Prairie Health Care 1100 E. Verona Ave. Job No. **C07069** Sheet 1 of 1 Location Verona, Wisconsin

	SA	MPL	E	- 2921	Peri	ry Street, Madison, WI 53713 (608) 288-4100, FAX (608)	,	SOIL PROPERTIES							
	Rec		T	Depth		VISUAL CLASSIFICATION	qu	T							
No.	i (in.)	Moist	N	(ft)		and Remarks	(qa) (tsf)	W	LL	PL	LI				
						FILL: Stiff, Silty to Lean Clay Intermixed with									
l	12	M/W	13	<u> </u>	-	Sand and Gravel	(1.5)								
2	1.0	M	-	<u> </u>							ļ				
2	16	M	8	<u>⊢</u> <u>−</u> 5−			(1.5)		ļ						
3	12	M	13	Ë		Stiff, Brown Lean CLAY, Trace Sand and Gravel (CL - Based on Driller's Description)									
	123	.,,			li (i,	Medium Dense, Reddish-Brown Fine to Medium			-						
4	18	M	20		1111 1111	SAND, Some Silt, Little Gravel (SM)									
				10-	Ϊij										
					111										
				 	i n	Modium Dance Light Brown / Brown Crevelly									
5	12	M	22	<u> </u>		Medium Dense, Light Brown/Brown Gravelly Fine to Medium SAND, Little Silt, Scattered to									
			Į	15		Numerous Cobbles/Boulders (SP-SM)									
			<u> </u>		::!!!	Medium Dense to Dense, Light Brown Fine to									
6	12	W	38	<u></u>		Medium SAND, Trace to Little Silt, Little Gravel									
Ü	12		30			(SP/SP-SM)									
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7	0	W	26												
			L	25											
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8	2	W	12	- 20		Increasing Gravel Near 30 ft									
			J.	30		End Boring at 30 ft									
			[_		Borehole backfilled with bentonite chips									
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While Time A		· -		3.6'	U	pon Completion of Drilling Start 3/1 Driller Ba	2/07 End	3/12 f JE	2/07 IR 1	۲: ا	MR-750				
Depth	to Wa	iter	о .			Logger G	FP Edito	or De	\S	s					
Depth The			on li	nes rer	resi	Drill Metho	d 2-1/4 in	. HSA							
soil	types	and t	he tr	ansitio	n ma	ent the approximate boundary between	,,,.,.,	<i></i>							



Boring No. SB6 Project Badger Prairie Health Care Surface Elevation (ft) 972.6 1100 E. Verona Ave. Job No. **C07069** Location Verona, Wisconsin Sheet 1 of 1

				- 2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (60	8) 288-7887					
	SA	MPL	E		VISUAL CLASSIFICATION	SOIL	PRC	PEF	ERTIES		
No.	T Y Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	W	LL	PL	LI	
					3.5 in. Asphalt Pavement/7.5 in. Base Course						
1	16	M	16	<u> </u>	Very Stiff, Brown Lean CLAY, Trace Sand and Gravel (CL)	(2.5)					
2	12	М	9			(2.0)					
3	16	М	20	<u>-</u>	Medium Dense, Light Brown Fine to Medium						
4	14	M	40	<u> </u>	SAND, Trace to Little Silt (SP/SP-SM) Dense, Brown Fine to Medium SAND, Some						
_			-10	10-	Gravel, Little Silt, Scattered Cobbles/Boulders (SP-SM)						
					End Boring/Auger Refusal on Apparent Cobble/Boulder at 11 ft					and the second s	
				20-	Borehole backfilled with bentonite chips						
				15 	Moved 4'N, See Boring SB6X						
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	***************************************		WA	TER	LEVEL OBSERVATIONS	GENERA	AL NO	OTE	S		
While			∠ N	W	Upon Completion of Drilling NW Start 3	/12/07 End	3/13	2/07	٠		
Time A			g			adger Chie	ı Ji	IK I	kig C	ME-75	
Depth Depth					▼ Logger	od 2-1/4 ir	THEY				
			on li	nes rep	present the approximate boundary between			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		



	LOG OF TEST BORING	Boring No.	SB6X	
Project	Badger Prairie Health Care	Surface Ele	evation (ft)	
****	1100 E. Verona Ave.	Job No.	C07069	
Location	Verona, Wisconsin	Sheet	1_ of1_	

				_ 2921	Per	ry Street, Madison, WI 53713 (608) 288-4100, FAX	(608)	288-7887				
		MPI	LE	· · · · · · · · · · · · · · · · · · ·		VISUAL CLASSIFICATION		SOIL	PRO	PEF	RTIE	S
No.	Rec P (in.		И	Depth (ft)		and Remarks		qu (qa) (tsf)	W	LL	PL	LI
						Boring offset 4 ft North of Boring SB6						, T
				<u>-</u>		Blind Drill 0 to 11'						
				<u> </u> - 5 		(See Log of SB6)	:					
				- - 								Ī
				5- - - - - - - - - -								
				- - -		Dense to Very Dense, Brown Fine to Medium SAND, Some Gravel, Little Silt, Scattered				La a de la Contra del la contra del		
5	16	М	34	15		Cobbles/Boulders (SP-SM)	-					
			1									
6	16	М	89				-					
			H [] H									7
7	10	W	34 l	∑ - - 25								
			L. }- [- - -								
8	10	W	32									
				30-		End Boring at 30 ft						
			- - -			Borehole backfilled with bentonite chips						
			<u> -</u>	35-								
				-								
			 	<u> </u>								
			WA	TER	LE	VEL OBSERVATIONS	G	ENERA	LNC)TE	3	
	Drilli After I			.5'	U	pon Completion of Drilling NW Start Driller		./07 End ger Chief	3/12 JH		Rig C l	ME-75
Depth	to Wa to Ca	iter	-			Logger	GI	P Edito	r DA		-ಅ.ನ: 	
			on li	nes rep	rese	ent the approximate boundary between ay be gradual.	remod	2-1/4 in.	.дад.			



Project Badger Health Site 1000 Verona Ave. Location Verona, Wisconsin

Boring No. **7** Surface Elevation (ft) Job No. **C07069-1** Sheet <u>1</u> of <u>1</u>

				2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)	288-7887				
	SA	MPL	E	-	VISUAL CLASSIFICATION	SOIL	PRO	PEF	RTIE	S
No.	T Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	W	LL	PL	LI
				 	7 in. Asphalt Pavement/5 in. Silty Sand/Cinders	(031)				
1	16	M	4	<u> </u>	Medium Stiff to Stiff, Dark Gray Silty CLAY,					
				<u> </u>	Trace Organic Material (CL-ML - Possible Buried	(1.0)				
				L	\Topsoil) /					
2	18	M	4	<u></u>	Medium Stiff, Brown/Gray (Mottled) Lean CLAY,	(0.5)				
				- 5-	Trace Sand (CL)	(0.5)				
3	12	3.4	22	 						
3	12	M	32	 	Medium Dense to Very Dense, Gravelly Fine to					
					Coarse SAND, Trace to Little Silt, Scattered					
4	14	M	44	Ţ	Cobbles/Boulders (SP/SP-SM)					
				<u> </u> 10-	P000 1					
				L						
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5	14	М	82	 						
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7	8	W	23	<u> </u>		······································				
					End Boring at 25 ft		-			
					End Boring at 25 ft					
				_	Borehole backfilled with bentonite chips					
				<u> </u>						
				<u> </u>						
				<u></u> 30−						
			W	ATER	LEVEL OBSERVATIONS G	ENERA	LNC	TES	.	
Whil	e Drill	ing	<u>V</u> 1	8.5'	Upon Completion of Drilling NW Start 9/4	/07 End	9/4/	07		
Time	After	Drillin			Driller Bac	lger Chief	MS		ig CN	ME-55
	h to W				 Logger G	FP Editor	r D A			
	h to Ca		ion 1	ines re	present the approximate boundary between on may be gradual.	2 1/4" H	ISA			
so	ıı type	s and	the t	ransiti	on may be gradual.		***************************************	*********		· · · · · · · · · · · · · · · · · · ·



Boring No. 8 Project Badger Health Site Surface Elevation (ft) 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet **1** of **1**

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

	SA	MPL	E		VISUAL CLASSIFICATION	SOIL PROPERTIES							
No.	Rec Y Rec (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	w	LL	PL	LI			
				<u> </u>	8 in. Silty TOPSOIL (OL)	(322)		 					
1	4	М	4		Medium Stiff to Very Stiff, Brown/Gray (Mottled) Lean CLAY, Trace Sand (CL)	(2.25)							
2	8	М	7			(1.75)							
3	16	М	20		Increasing Sand with Depth	(0.5)							
4	16	М	137	10-	Dense to Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)								
5	18	М	43	- 									
6	16	W	35	20		OF							
7	18	W	39	_	30 30								
Í		• • •		25									
			+ + + + - - -		End Boring at 25 ft Borehole backfilled with bentonite chips								
			<u>]</u>	30-	LEVEL OBSEDVATIONS		<u> </u>			···			
While Time Depth Depth	After I to Wa to Ca	Drillin ater ve in	∑ 18	8.5'		GENERA 9/5/07 End Badger Chief GFP Edito nod 2 1/4" F	9/5/ MS	07 A R	Rig D-	120			

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Boring No. **9** Surface Elevation (ft) Project Badger Health Site 1000 Verona Ave. Job No. **C07069-1** Sheet 1 of 1 Location Verona, Wisconsin

SAMPLE			_E		VISUAL CLASSIFICATION	-	SOIL PROPERTIES							
No.	Rec	Moist	N	Depth (ft)	and Remarks	(qa)	WI	L PL	LI					
				 	Very Stiff, Dark Gray Organic to Silty CLAY	(tsf)								
1	18	М	18	Ĺ	(CL-ML/OL - Topsoil)	(2.75)								
				<u> </u> -	Medium Stiff, Gray/Brown (Mottled) Lean CLAY,									
2	18	М	10	 	Trace Sand (CL)	(1.5)								
				<u></u> 5—										
3	4	М	8	 	Loose, Dark Brown Fine to Medium SAND, Some Silt and Clay, Trace Gravel (SM)	(0.5)								
4	16	M	45	Г Т	Dense, Reddish Brown Fine to Medium SAND,									
· ·	10	141	73	10-	(SM)									
				<u></u>										
				_	Very Dense, Gravelly Fine to Coarse SAND, Trace	-								
5	5	W	100	 	to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)									
		• • • • • • • • • • • • • • • • • • • •	/3"	<u>∑</u> 15–										
				L L.										
6	16	W	72	<u> </u>			Marie Marie	****						
	. ,	''		- - 20-										
				<u> </u>			3							
7	10	W	71	 L_ 										
·		- '		∟ 25	F-1D-1									
				├ 	End Boring at 25 ft									
					Borehole backfilled with bentonite chips									
				30										
			W	ATER	LEVEL OBSERVATIONS	GENERA	L NOT	ES						
While Time				4.5'		0/5/07 End adger Chief	9/5/07 MSA	Rig D	.120					
Depth	to W	ater	- 5		 Logger	GFP Editor	DAS	NE !! :						
Depth The			ion l	ines repransition	resent the approximate boundary between	od 21/4" H								

$ln \wedge 1$
H K 5. 7

Boring No. 10 Project Badger Health Site Surface Elevation (ft) 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet 1 of 1

	·····			- 2921	Perr	Street, Madison, WI 53713 (608) 288-4100	0, FAX	(608) 288	-7887				
	SAMPLE					VISUAL CLASSIFICATION	***************************************		SOIL	PRO	PEF	RTIE	S
No.	T Rec P (in.	Moist	N	Depth (ft)		and Remarks			qu (qa) tsf)	W	LL	PL	LI
1	18	М	14			Stiff, Dark Gray Organic to Silty CLAY (CL-ML/OL - Topsoil)			1.5)				
				F		Stiff, Gray/Brown (Mottled) Lean CLAY, 7							
2	18	М	11			Sand (CL)	Trace	(1.5)				
3	18	М	9	- 				(1.0)				
4	16	М	21	 		Medium Dense, Dark Brown Fine to Mediu SAND, Some Silt and Clay, Little Gravel (S			***************************************				
				□ 		Dense to Very Dense, Gravelly Fine to Coa SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)	arse						
5	14	W	53	⊢									
6	14	W	37	- - - - 20- -									
7	10	W	36						····				
				— 25 		End Boring at 25 ft			************				
				- -									
						Borehole backfilled with bentonite ch	nips					; ;	
	WATER LEVEL OBSERVATIONS GENERAL NOTES												
Depth Depth	After to Water to Ca	Drillin ater ve in	<u>∇</u> 1	4.5'		pon Completion of Drilling 17' S L L		9/5/07 Badger GFP	End	9/5/0 MS DA	07 A R		120
soi	l type	s and	the t	ransitio	on ma	nt the approximate boundary between							



Project Badger Health Site
1000 Verona Ave. Location Verona, Wisconsin Boring No. 11 Surface Elevation (ft) Job No. **C07069-1** Sheet 1 of 1

SAMPLE			F		Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608		PROPE	RTIE	S
	ml	1	T	T	VISUAL CLASSIFICATION			-1 \ 1 11	, C
No.	Ŷ Rec P (in.)	Moist	И	Depth (ft)	and Remarks	qu (qa) (tsf)	M TI	PL	LI
				-	14 in. Clayey TOPSOIL (OL)				
1	10	М	6	<u></u>	Medium Stiff to Stiff, Brown/Gray (Mottled) Lean CLAY, Trace Sand (CL)	(2.0)			
				<u></u>	Increasing Sand with Depth				
2	14	М	5	<u>├</u> - - 5-		(0.75-1.0)			
			<u></u>	<u> -</u>	Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)				
3	16	M	44	-	Educe Sin, Scattered Cobbies/Boulders (SP/SP-SM)				
				<u></u>	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				
4	14	M	65	_	Dense, Reddish Brown Fine to Medium SAND,				
				└ └ 10-	Some Silt and Gravel, Scattered Cobbles/Boulders				
				L L	(SM)				
				⊢					
				 	以 6f				
5	18	M/W	37	Ż					
				<u> -</u> 15-	Dense, Brown Fine to Medium SAND, Little to Some Gravel, Trace Silt (SP)				
				<u> </u>	End Boring at 15 ft				
				L. 					
				 	Borehole backfilled with bentonite chips				
				⊢ ⊢					
				⊢ ⊢ 20−					
				_					
						ORAS			
				<u></u>		-0 A			
				L					
						1			
				25— 					
									
				 					
				Γ					
			W	ATER	LEVEL OBSERVATIONS	GENERA	L NOTE	S	
While		ina	****	4.0'					
		nig Drillin		- 		6/07 End	9/6/07 MSA	Rig Ci	ME-55
Depth	to W	ater	_			FP Editor	DAS		
Depth to Cave in The stratification lines represent the approximate boundary between soil types and the transition may be gradual. Drill Method 2 1/4" HSA									
soil	l type	s and	the t	ransiti	on may be gradual.	***************************************			

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Project Badger Health Site Surface
1000 Verona Ave. Job No
Location Verona, Wisconsin Sheet

Boring No. 12
Surface Elevation (ft)
Job No. C07069-1
Sheet 1 of 1

				2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)) 288-7887				
	SA	MPL	E		VISUAL CLASSIFICATION		PRO	PER	TIE	S
No.	Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	w	LL	PL	rı
				-	8 in. Clayey TOPSOIL (OL)					
1	10	М	17		Medium Dense, Dark Brown Fine to Medium SAND, Some Silt and Clay, Little Gravel (SM)					
				<u></u>	Medium Dense, Gravelly Fine to Coarse SAND,					
2	16	М	22	<u></u>	\Trace to Little Silt, Scattered Cobbles/Boulders \((SP/SP-SM)\)					
				├- 5- -	Medium Dense to Dense, Reddish Brown Fine to					
3	18	М	44	 	Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4	18	М	28	Ť Ļ						
				L 10-						
				<u>⊢</u> ⊢	ed ed					
				⊢ ⊢	Dense, Gravelly Fine to Coarse SAND, Trace to					
5	16	М	43	<u>+</u> <u></u>	Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)					
				<u> </u> 15-	End Boring at 15 ft		-			
				<u> </u>	Bita Bornig at 10 It					
				<u></u>	Borehole backfilled with bentonite chips					
				├ ├── 20 ├─					İ	
							THE SOUTH			
				└─ └─ ├─ 25─						
				25 						
				- - -						
			W	ATER	LEVEL OBSERVATIONS	 SENERA	NO	TES		
W/kil	e Drill	ina		ĮW						
	After	_	***************************************		Driller Bac	6/ 07 End dger Chief	9/6/0 MS		g CN	1E-55
Deptl	h to W	ater	~			FP Edito	r DA		۳۲۱ کی	
	h to Ca		ion 1	ines re	present the approximate boundary between on may be gradual.	1 21/4" F	ISA			***********
201	1 Pe	_ 4114								***************************************



13 Boring No. Surface Elevation (ft) Project Badger Health Site 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet 1 of 1

_ 2921 Perry Street, Madison, WI 53713 (608) 288~4100, FAX (608) 288~7887______

SAMPLE			.E		VISUAL CLASSIFICATION			PRO	PEF	RTIE	S
No.	T Rec P (in.)	Moist	N	Depth (ft)	and Rem		qu (qa) (tsf)	W	LL	PL	ĽΙ
************				 	8 in. Clayey TOPSOIL (OL)	(00=)				
1	16	М	9		Very Stiff, Brown Lean CL		(3.0)				
				<u>L</u> L_				1			
2	16	М	5	 5-	Loose, Dark Brown Fine to Silt and Clay, Little Gravel		(0.5)				
3	14	М	13	<u>-</u> - -	Loose Brown Fine to Medi (SP - Based on Driller's Des	um SAND, Trace Silt cription)					
					Medium Dense, Reddish Br SAND, Some Silt and Grave						
4	12	М	26	<u> </u>	Cobbles/Boulders (SM)	or, Scattered					
				└ ├ ├							
				<u> </u>	Medium Dense to Very Den	se. Gravelly Fine to					
5	14	W	39	፟፟፟፟	Coarse SAND, Trace to Litt	le Silt, Scattered to					
				 	Numerous Cobbles/Boulder	s (SP/SP-SM)					
				L							
				<u> </u>							
6	12	W	66	⊢ ⊢							
				⊢ 20				A C			
				 				1000			
				_							
7	0	W	18	L L							
				├─ 25— ├-	End Boring	at 25 ft		-			
					Doroholo hookfilled	ith hantanita ahina					
			 	-	Borehole backfilled w	un bemonne emps					
				_							
		,		30				<u></u>	<u> </u>	****	
			VV/	ATER	EVEL OBSERVATIO	NS	GENERA	LNC	TES	i	
Time Deptl	to W	Drillin ater		3.5'_	Upon Completion of Drilling	Driller B Logger	/5/07 End adger Chief GFP Edito	r DA	A F	Rig <u>C</u> I	ME-55
	to Ca		ion l	ines re	sent the approximate boundary	between Drill Metho	od 2.1/4" E	ıзА			
soi	т суре	s and	tne t	ıanşıti	may be gradual.	111111111111111111111111111111111111111					*********

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Boring No. 14 Surface Elevation (ft) Project Badger Health Site 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet <u>1</u> of <u>1</u>

2921 Perry Street, Madison, WY 53713 (608) 288-4100 Fby (608) 288-7887

	SAMPLE			VISUAL CLASSIFICATION SOIL PROPERTIES	······							
No.	T Rec P (in.)	Moist	N	Depth (ft)		I						
				 	Medium Stiff to Very Stiff, Brown/Gray (Mottled)							
1	18	М	9	Т	Lean CLAY, Trace Sand (CL)							
			<u> </u>		(3.0)							
2	8	M	6	Ļ								
2	°	101	U	<u> </u> -	Medium Dense, Brown Fine to Medium SAND, (0.5-1.0)							
***************************************				 	Little Silt, Trace Clay (SP-SM/SM)							
3	14	M	13	 		_						
				<u> </u>								
4	16	M	36	T	Dense, Reddish Brown Fine to Medium SAND,							
7	. 10	141	30		Some Silt and Gravel, Scattered Cobbles/Boulders							
				L 10-	(SM)							
				_ _								
					Very Dense, Gravelly Fine to Coarse SAND, Trace							
5	18	М	64	-	to Little Silt, Scattered Cobbles/Boulders							
J	, 0		0,	1s	(SP/SP-SM)							
					End Boring at 15 ft							
					Borehole backfilled with bentonite chips							
				_	2 of strong of the strong of t							
				- 20								
				20-								
			i									
				25_								
				-								
			i									
			į	-								
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				- 30								
I			W	TER	LEVEL OBSERVATIONS GENERAL NOTES							
While	Drilli	ng	∑ N	W	Upon Completion of DrillingNW Start 9/5/07 End 9/5/07							
Time	After 1	Drillin	g		Driller Badger Chief MSA Rig CME-	-55						
	to Wa to Ca											
			ion 1:	ines rep	present the approximate boundary between on may be gradual.							



Project Badger Health Site

1000 Verona Ave.

Location Verona, Wisconsin

Boring No. 15
Surface Elevation (ft)
Job No. C07069-1
Sheet 1 of 1

				_ 2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887 —				
	SAMPLE				VISUAL CLASSIFICATION	SOIL	PRO	PER	TIE	S
No.	Ý Rec P (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa) (tsf)	w	LL	PL	LI
				ļ-	4 in. Clayey FILL					
1	4	М	4		FILL: Very Loose to Loose, Brown/Dark Gray Clayey Silt Intermixed with Sand, Gravel, Brick, Cinders, etc.					
2	4	М	3		FILL: Very Soft, Gray/Dark Gray Lean Clay, Little Sand and Gravel	(0.1-0.25)				
				- J-	Very Soft, Gray Lean CLAY (CL)					
3/3X	18	M	9	 - 		(<0.1)				
***************************************				<u></u>	Loose, Dark Brown Fine to Medium SAND, Some Silt and Clay, Little Gravel (SM)					•
4	14	M/W	13	<u>∇</u> 10−	Medium Dense, Brown Fine to Medium SAND, Trace Gravel and Silt (SP)					
				L L L L L						
					Medium Dense, Gravelly Fine to Coarse SAND,					
5	12	W	12	 	Little to Some Silt, Scattered Cobbles/Boulders (SP-SM/SM)					
				L 17-	End Boring at 15 ft					
				25-						
			W/	ATER	LEVEL OBSERVATIONS (SENERA	_ NO	TES		
Time Deptl Deptl	to W to Ca	Drillin ater ive in	g	ines repransition	Driller Ba	5/07 End dger Chief FP Editor d 21/4" H	DA	A Ri	g CN	4E-55

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Boring No. 16 Project Badger Health Site Surface Elevation (ft) 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet 1 of 1

SAMPLE					Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)			SOIL PROPERTIES							
I	Rec			Panth	VISUAL CLASSIFICATION			qu	1 1	'I L I	\				
No.	(in.)	Moist	N	Depth (ft)		and Remarks		(qa)	W	LL	PL	LI			
				<u> </u>		10 in. Clayey TOPSOIL (OL)		(tsf)							
1	16	М	7	_		Medium Stiff to Very Stiff, Brown/Gray (Mottle	d)	(0.05)							
				Ė		Lean CLAY, Trace Sand (CL)		(2.25)							
2	16	M	3	<u> </u>			}								
2	10	171	٦	<u></u>				(0.5)							
				- 5-		Dense to Very Dense, Gravelly Fine to Coarse									
3	14	M	49	 		SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)	Ì								
				 		Cooles/Boulders (SF/SF-SIVI)	ŀ								
4	14	M	65				}								
,	, ,	142	03												
				10 L											
				<u> </u>											
		;		Ŀ											
5	3	M	50/3"	+				***************************************							
				<u>├</u>		End Boring/Split-Spoon Refusal at 14 ft									
						Borehole backfilled with bentonite chips									
				L											
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				30-											
			W	ATER	LE	VEL OBSERVATIONS	G	ENERA	L NC	TES	5				
While		ψ.		₩	Į	Jpon Completion of DrillingNW Start	9/5	/ 07 End	9/5/	07		***************************************			
Time A			g	******		Driller	Bac	lger Chief	MS	A R	ig Cl	ME-55			
									.5						
			ion l the t	ines re ransiti	prese on ma	ent the approximate boundary between									

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Boring No. 17 Surface Elevation (ft) Project Badger Health Site 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet 1 of 1

				_ 2921	Perry	Street, Madison, WI 53713 (608) 288-4100,	FAX (608)	288-7887				
,	SA	MPL	E			VISUAL CLASSIFICATION	SOIL	PRO	PEF	RTIE	S	
No.	T Rec P (in.)	Moist	N	Depth (ft)		and Remarks		qu (qa) (tsf)	W	LL	PL	LI
				 	1-11-7	6 in. Clayey TOPSOIL (OL)		(031)				
1	4	М	42		rii.	Dense, Brown Gravelly Fine to Medium SA						
						Some Silt, Scattered Cobbles/Boulders (SM))					
2	8	M	40			Medium Dense to Dense, Reddish Brown Fi		······································				
	ű			<u> </u> 		Medium SAND, Some Silt and Gravel, Scatt Cobbles/Boulders (SM)	tered					
				⊢ 		(4)	-	··········				
3	16	M	28	 								
					FIFE Fire							
4	18	М	38				Ì					
				<u>-</u> - 10−	liùi. Liù		-					
				<u> </u> 	ا ا ا					:		
~	1.6	** '	0.6	\ <u>\</u>		Medium Dense, Gravelly Fine to Coarse SA Trace to Little Silt, Scattered Cobbles/Bould						
5	16	W	26	<u></u> Г		(SP/SP-SM)	013					
				15 		End Boring at 15 ft						***
				L L		Borehole backfilled with bentonite chi	ps					
				<u></u>			•					
				20—								
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							est.	ARET				
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				25								
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				_								
			[
			[_ 30								
	1	<u> </u>	W	ATER	LE	VEL OBSERVATIONS	Ġ	ENERA	LNO	TES	5	
	Drilli	ω		3.5'	Uı	oon Completion of DrillingNW Sta	art 9/5	/ 07 End	9/5/	07		•
	After to Wa		g					ger Chief Editor			ig CN	AE-55
Depth to Cave in Drill Method 2 1/4" HSA								• • • • • • • • • • • • • • • • • • • •				
The soi	strat l type	ificat s and	ion li	ines re ransiti	presen on may	t the approximate boundary between						

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Project Badger Health Site 1000 Verona Ave. Location Verona, Wisconsin

Surface Elevation (ft) Job No. **C07069-1** Sheet 1 of 1

Boring No. 18

				2921	Peri	y Street, Madison, WI 53713 (608) 288-4100	0, FAX (608	Y				~~~~
	SA	MPL	-E			VISUAL CLASSIFICATION	l	SOIL	PRO	PEF	RTIE	S
No.	T Rec P (in.)	Moist	N	Depth (ft)		and Remarks		qu (qa) (tsf)	W	LL	PL	ΓI
				 		15 in. Clayey TOPSOIL (OL)		(631)				***************************************
twa	12	М	14	<u> </u>		Very Stiff, Brown/Gray (Mottled) Lean CL Trace Sand (CL)	AY,	(3.0)				
				<u>L.</u>		Loose, Brown Fine to Medium SAND, Litt	le Silt.					
2	14	М	11	<u>⊢</u> ⊢ ⊢ 5-		Trace Clay (SP-SM/SM)						
				į.		Loose to Medium Dense, Gravelly Fine to 0						
3	12	M	9	 		SAND, Trace to Little Silt, Scattered to Nu Cobbles/Boulders (SP/SP-SM)	merous					
				 						·		
4	0	М	21	Ė								
				<u> </u> 10-	mente	End Boring/Auger Refusal at 10 ft	ţ			ļ		
				<u>⊢</u> ⊢ ⊢		Ü						
				<u> </u>		Borehole backfilled with bentonite ch	nips					
				<u> </u>								
				15-								
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				├- ├- - 20-								
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				L ├ 25								
				_								
				30								L
***************************************			W	AIER	L	EVEL OBSERVATIONS		ENERA	LNC)TES	5	
	le Drilli	-		8.51	1	Upon Completion of Drilling16.6' S	Start 9/	5/07 End	9/5/			
	After th to Wa		g				ogger G	dger Chief FP Editor	MS DA		ug Ci	ME-5
Dept	th to Ca	ve in				D		2 1/4" H		······		
The SO	e strat il type	ificat s and	ion \overline{l}	ines re ransiti	pres on m	ent the approximate boundary between ay be gradual.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				



18X Boring No. Project Badger Health Site
1000 Verona Ave. Surface Elevation (ft) Job No. **C07069-1** Location Verona, Wisconsin Sheet 1 of 1

SAMPLE VISUAL CLASSIFICATION SOIL PROPE	SOIL PROPERTIES						
No, $\begin{bmatrix} T \\ E \\ C \end{bmatrix}$ Rec Moist N Depth (ft) and Remarks $\begin{bmatrix} qu \\ (qa) \\ (tsf) \end{bmatrix}$ W L	, PL	LI					
Boring offset 4 ft West							
Blind Drill 0-10 ft							
See Log of Testing Boring No. 18							
See Log of Testing Bornig No. 18							
Medium Dense to Very Dense, Gravelly Fine to							
Coarse SAND, Trace to Little Silt, Scattered to Numerous Cobbles/Boulders (SP/SP-SM)							
5 16 M 53 F							
6 6 W 50 L							
7 2 W 24 L L 25		ļ					
End Boring at 25 ft							
Borehole backfilled with bentonite chips							
WATER LEVEL OBSERVATIONS GENERAL NOTI	ES						
While Drilling VW Upon Completion of Drilling Start 9/5/07 End 9/5/07 Time After Drilling Driller Badger Chief MSA	p:	MDC ##					
Depth to Water Logger GFP Editor DAS	· wig <equation-block></equation-block>						
Depth to Cave in The stratification lines represent the approximate boundary between soil types and the transition may be gradual. Drill Method 2 1/4" HSA							



Project Badger Health Site
1000 Verona Ave. Location Verona, Wisconsin

19 Boring No. Surface Elevation (ft) Job No. **C07069-1** Sheet 1 of 1

SAMPLE No. Section Moist N Depth (ft) Depth (ft) 1 12 M 7 Stiff, Brown/Gray (Mottled) Lean CLAY, Trace Sand (CL) 2 18 M 5 Soil PROPER 10 in. Clayey TOPSOIL (OL)	PL LI						
No.	PL LI						
Stiff, Brown/Gray (Mottled) Lean CLAY, Trace Sand (CL) Increasing Sand with Depth Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM) The stiff, Brown/Gray (Mottled) Lean CLAY, Trace (1.0) Increasing Sand with Depth (1.25)							
Sand (CL) Increasing Sand with Depth Increasing Sand with Depth Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM) The standard of the							
Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM) 4 10 M 50/5" (1.25)							
Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM) 4 10 M 50/5" (1.25)							
3 16 M 55 H to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)							
5 18 M 79 L							
15 End Boring at 15 ft							
Borehole backfilled with bentonite chips							
WATER LEVEL OBSERVATIONS GENERAL NOTES							
While 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. Start 9/5/07 End 9/5/07 Driller Badger Chief MSA Rig CME-5: Logger GFP Editor DAS Drill Method 2 1/4" HSA							



Project Badger Health Site
1000 Verona Ave. Location Verona, Wisconsin

20 Boring No. Surface Elevation (ft) Job No. **C07069-1** Sheet <u>1</u> of <u>1</u>

SAMPLE					Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608		SOIL PROPERTIES							
[200	T	1	Depth	VISUAL CLASSIFICATION	qu			` ' ' '					
No.	(in.)	Moist	N	(ft)	and Remarks	(qa) (tsf)	W	LL	PL	LI				
				<u> </u>	14 in. Clayey TOPSOIL (OL)									
1	18	М	8		Medium Stiff, Brown to Brown//Gray (Mottled)	(2.5)								
				<u></u>	Lean CLAY, Trace Sand (CL)									
2	18	M	7			(1.0)								
				+ 5— ├- 	Medium Dense to Dense, Gravelly Fine to Coarse									
3	12	M	36		SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)									
				<u></u>										
4	14	М	27											
				L 10− L !										
				_ 										
				 - 										
5	12	M	39	- 										
				15— Γ	End Boring at 15 ft									
					Borehole backfilled with bentonite chips									
				- - - - - - - - - - - - - 	The state of the s									
				⊢ }—										
				⊏ ├── 20— ├─										
				<u></u>		RAF								
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				L L										
				∟ ├─ 25-										
				_										
				30-										
	L		W		LEVEL OBSERVATIONS	SENERA	LNC	TES		L				
While		ψ.		W_		4/07 End	9/4/			******				
Time . Depth			g			dger Chief FP Editor		A F	lig <u>C</u> l	ME-55				
Depth to Cave in Drill Method 2 1/4" HSA							· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·					
soil	type	s and	the t	ransiti	present the approximate boundary between on may be gradual.									



Project Badger Health Site

1000 Verona Ave.

Location Verona, Wisconsin

Boring No. **21**Surface Elevation (ft)
Job No. **C07069-1**Sheet **1** of **1**

				2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (60	8) 288-7887-		*****	
	SA	MPL	E		VISUAL CLASSIFICATION		PROP	ERTIE	S
No.	Rec (in.)	Moist	N	Depth (ft)	and Remarks	qu (qa)	WI	L PL	LΙ
1	16	М	5		4 in. Asphalt Pavement/2 in. Silty Gravel (Base Course) Black Silty CLAY (CL-ML - Probable Buried	(tsf) (1.0)			
2	18	М	3	 	Medium Stiff, Brown/Gray Lean CLAY, Trace Sand (CL)	(1.0)			
3	14	М	24	 	Medium Dense to Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scatteredto				
4	14	М	23	 	Numerous Cobbles/Boulders (SP/SP-SM)				
5	14	М	34	- - - - - - - - - - - -					
6	16	W				ORF	Samuel Constant		
7	10	W	38	L L L L 25—					
			-\A7-	- - - - - - - - - - - - - 	End Boring at 25 ft Borehole backfilled with bentonite chips				
While Time Depth Depth	After to Water to Ca	Drillin ater ve in	<u>∇</u> 1	8.5'	Upon Completion of Drilling NW Start 9 Driller B Logger	GENERA /4/07 End adger Chies GFP Edite od 21/4" I	9/4/07 f MSA or DAS	Rig C	ME-55

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Boring No. **22** Surface Elevation (ft) Project Badger Health Site 1000 Verona Ave. Job No. **C07069-1** Location Verona, Wisconsin Sheet **1** of **1**

	C A	MPL		2921	Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608)	SOIL PROPERTIES						
12	JA	VIAIL F			VISUAL CLASSIFICATION		PROPE	KIIE	S			
No.	Rec P(in.)	Moist	И	Depth (ft)	and Remarks	qu (qa) (tsf)	W LL	PL	LI			
				-	8 in. Clayey TOPSOIL (OL)	,						
1	16	М	6	F	Soft to Stiff, Brown/Gray (Mottled) Lean CLAY, Trace Sand (CL)	(1.5)						
				<u> </u>								
2	18	М	3	<u> </u>	Increasing Sand with Depth	(0.25)						
3	16	М	43	- - - - - -	Medium Dense to Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered Cobbles/Boulders (SP/SP-SM)							
4	14	M	20	T								
'	1 '	144	20		100 H							
				10- - - - -								
5	12	M	57									
				<u> </u> 15-	End Boring at 15 ft							
		;			End Boiling at 15 it							
				L 25-								
			VV/	41EK	R LEVEL OBSERVATIONS G	ENERA	L NOTE	S				
While Time A Depth Depth	After I to Wa to Ca	Drillin ater ve in	g	ines repransiti	Driller Bad	07 End ger Chief P Editor 2 1/4" H		Rig CN	⁄IE-55			
2011	. cype:	- and	cite c	ranslt10	TOU MAY DE GIAGNAI.							

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Project Badger Health Site

1000 Verona Ave.

Location Verona, Wisconsin

Surface Elevation (ft)

Job No. C07069-1

Sheet 1 of 1

Boring No. 23

				2921	Perr	y Street, Madison, WI 53713 (608) 288-4100, FAX (60	8) 288-7887 —						
	SAMPLE No.	1		VISUAL CLASSIFICATION	SOIL PROPERTIES								
No.	4	Moist	N	Depth (ft)		and Remarks	qu (qa) (tsf)	W	LL	PL	LI		
					X	6 in. Asphalt Pavement/12 in. Silty Sand FILL							
I	12	М	28	<u> </u>	\times	Medium Dense to Very Dense, Gravelly Fine to Coarse SAND, Trace to Little Silt, Scattered							
······································						Cobbles/Boulders (SP/SP-SM)							
2	14	M	27	└─ ├ ├ 5-	-		****						
		<u> </u>		⊢ 									
3	14	M	52	 -									
				†	-,:::-,:	End Boring at 7.5 ft							
				 - - 10-		Borehole backfilled with cuttings							
				L L									
				- -									
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				15-	-								
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				L L									
				├- 25- ├-									
				, - 									
		<u> </u>	W	i	LE	VEL OBSERVATIONS	GENERA	LNO	TES	5			
				<u>w</u>	ι		/4/07 End	9/4/					
			R			Driller B: Logger €	adger Chief GFP Editor			.1g C [ME-55		
Deptl	1 to C	ave in				Drill Metho	od 21/4" H		 		• • • • • • • • • •		
The soi	strat l typo	ificat s and	ion l the t	ines re ransiti	prese on ma	nt the approximate boundary betweeny be gradual.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						

Ctota a	£W;			Day	o Ta					COT	, DOD	INIC I	OC 1	NIEO	DM ATION
	of Wiscoment o		al Resou	Rout							L BOK 1 4400-		iUG I	INFU	RMATION 7-98 bt
				⊔ v	Vatershed/Wastev Remediation/Rede										
					Vaste Manageme		ther								Page 1
Facility	y/Projec	t Name	oolth Co	re Center	BT ² #			e/Permi	t/Monito	ring N	lumber		Bori	ng Nu 124	
-			~	and name of crew c		32076	Drilling	g Starte	d	Dri	lling Co	mplete			ing Method
Ва	dger St	ate Dri	lling	Jim Re	ech		09/	04/200)7		09/04/	2007		21/4"	HSA
DNR F	acility	Well No	o. WI U	Jnique Well No.	Common Well N	lame	Static V Fe		evel	Sur	face El- 971.4	evation Feet		Bore 6.5	hole Diam. Inches
Boring State P	Locatio	on		N,	E		Lat.				al Grid	Locati			
SE	1/4 of	NW 1/4	4 of Sect	ion 14, T. 8 N., R			Long.		1	Fe		N.	, F∈	et	Е.
County	y Da	ne				DNR C	ounty Co 13	ode	Civil To Ver	own/C ona	City/or \	/illage			
San	nple		NO. COLUMN DE LA C							,	,	Soil l	Proper	ties	
Number	Length Recovered	Blow Counts	Depth in Feet		oil/Rock Descrip d Geologic Origi Each Major Uni	n For		USCS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/ Comments
					T PAVEMENT a	and SILTY		FILL							
S1	8	02-02 02		SAND (cind LEAN CLAY (USDA: Silty	, black (buried	topsoil)	_/_	CL				2.0	М		
S2	16	08-12 13		LEAN CLAY Silty Clay).	, brown, very st								М		
-		00.40	5 -	dense (USD	A: Sand).	in, medium		SP							
S3	4	08-12 18											М		
S4	16	10-12 16	10	GRAVEL, bi dense.	rown, fine to coa	arse, mediu	m	GP					М		
			[≱] – 10−− -	End of borin	g @ 10'.										
					et penetrometer lare foot is in sta										
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BT², Inc.

Terry March

Signature

State o	f Wisc	onsin		Rou	te To:					SOIL BORING LOG INFORMATION							
Depart	ment o	f Natur	al Resou	irces	Watershed/Wastew	vater				Forn	n 4400-	122				7-98 bt	
					Remediation/Rede	v.											
					Waste Managemer	nt 🗆 O	ther								P	age 1	
Facility Ba	y/Projec daer Pr	t Name	ealth Ca	re Center	BT ² #	3207B	Licens	e/Permi	/Monito	ring l	Vumber		Bori	ng Nu 325	mber		
_				and name of crew	-			g Starte		Dri	illing C	-	ed	1	ling Metl	nod	
ļ	dger St			Jim R				06/200			09/06/		21/4" HSA				
DNR F	acility	Well No	o. WI U	Jnique Well No.	ame		Water Le et	evel	Sui	rface El 968.0							
Boring	Locatio	on) T	17		Lat. Local Grid Location (If applie						cable)				
State P SE		NW 1/4	4 of Sec	N, tion 14, T. 8 N., F	E R. 8 E.		Long.			Fe	eet	N.	, Fe	eet	E.		
County	, Da	ine				DNR C	ounty C 13	ode	Civil To Ver	wn/C ona	City/or V	Village					
San	nple											Soil	Prope	rties			
Number	Length Recovered	Blow Counts	Depth in Feet	l .	Soil/Rock Descript nd Geologic Origit Each Major Uni	n For		nscs	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/	Comments	
			- Advantagement		LAY, dark brown	, topsoil		CL.									
S1	18	01-03 05	_	(USDA: Sill LEAN CLA Clay).	ry Clay). Y, brown, stiff (U	SDA: Silty	_/	CL				2.0	М				
S2	10	07-14 21	5 —	SILTY SAN some grave	ID, brown, fine to el; dense to very SDA: Sandy Loa	dense; few		in the second of	0.00.00.00.00.00.00.00.00.00.00.00.00.0				М				
S3	16	17-22 30	_					SM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				М				
S4	16	30-24 42	10—	End of bori	na @ 10':			,	0.0000000000000000000000000000000000000				М				
				Note: Pock	et penetrometer uare foot is in sta									Annual Annual State of the Stat			
			15—					-		A CARACAGA MANAGA M				The second secon			

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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BT², Inc.

Terry March

	of Wisc			Route To:				SOI	L BOF	RING I	LOG	INFC	PRMATION
Depart	ment o	f Natur	al Resor	urces Watershed/Wastewater				Forn	n 4400	-122			7-98 bt2
				Remediation/Redev.									
				☐ Waste Management ☐	Other								Page 1
Facilit Ba	y/Projec dger Pr	t Name airie H	ealth Ca	are Center BT ² # 3207E	Licens	e/Permi	t/Monito	ring l	Number		Bori	ng Nu 326	ımber
				and name of crew chief)	1	g Starte			illing C	-	ed	1	ling Method
	dger St			Jim Rech		/05/200			09/05/				HSA
DNR I	acility	Well No	o. WI	Unique Well No. Common Well Name		Water L et	evel	Sui	rface El 969.4				ehole Diam. Inches
State P				N, E	Lat. Long.				cal Grid	l Locati N.		applio eet	cable) E.
County			4 of Sec	tion 14, T. 8 N., R. 8 E.	R County C	ode	Civil To				,		
Sar	nple	110			13		Vei	Ulla		Soil	Proper	ties	
		nts	eet	Soil/Rock Description				ram	EED				
er	th verec	Con	l in F	And Geologic Origin For			ic L	Diag	PID/	ard	ure nt		nents
Number	Length Recovered	Blow Counts	Depth in Feet	Each Major Unit		USCS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/ Comments
				10" LEAN CLAY, black, topsoil (USI	DA:	CL							
S1	18	02-05 05	- 1	Silty Clay). LEAN CLAY, brown, stiff (USDA: Clay)	ay).					1.5	М		
			_			CL							
S2	16	01-03 03	5 -							1.5	М		
				SILTY SAND, brown, fine to medium some gravel; medium dense to dense			0 0 0						
S3	18	04-06 07		- (USDA: Silt Loam).	5 C		0 0 0				М		
		,	_			SM	0 0 0						
S4	18	08-11 20	-	-			0 0 0				М		
	-		* 10 	End of boring @ 10';									
				Note:Pocket penetrometer reading in tons per square foot is in standard	n								
				penetration column.									
			 15										
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			 20								THE PERSON NAMED IN COLUMN NAM		
		·										A CONTRACTOR OF THE PARTY OF TH	

I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature

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State of Wisconsin Route To: Department of Natural Resources Watershed/Wastewater												L BOF n 4400-		LOG I	INFC)RMA	Г ІОN 7-98 b
Dopart	micht 0	1 I VAIUI	ai 17090	u1003							TOIL	11 11 00.	-122				1-20 0
						Remediation/Red	,										
					⊔ '	Waste Manageme	ent 🗆 O	Other									Page 1
Facility Ba	y/Projec dger Pi	t Name rairie H	ealth C	are Center		BT ² #	3207B	License	e/Permi	it/Monito	ring l	Number		Bori E		ımber	
_	Drilled dger St			and name of	of crew chief) Jim Rech Drilling 09/						Dr	illing C 09/05/	•	ed	-1	ling Me HSA	thod
	acility		o. WI	Unique Well	No.	No. Common Well Name Static				evel		rface El 968.1	Feet		am.		
Boring State P	Locatio	on		N		10	Lat.	,		Lo	cal Grid	Locati	tion (If applicable)				
		NW 1/4	4 of Sec	N, ction 14, T. 3	E Long.			Long.	Long. Feet N., Feet						E		
County				· · · · · · · · · · · · · · · · · · ·	•		DNR C	County Co	ode	Civil T	own/C	City/or \	Village				
San	nple												Soil	Prope	rties		
Number	Length Recovered	Blow Counts	Depth in Feet			Soil/Rock Descrip nd Geologic Origi Each Major Un	in For		CS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	01	/Q	Comments
N N	Ler	Blo	Dej						USCS	Gra	We	Ma	Star	δΩ	P200	RQD/	Cor
		04-07	Z -	10" L (USE	EAN (CLAY, dark brow Loam).	vn, topsoil		CL								
S1	18	04-07	-	LEAN Clay)	1 CLA,	Y, brown, very s	tiff (USDA:		CL				3.0	М			٠
S2	16	08-17 20	5 –			vn, fine to meditel (USDA: Sand)			SP					М			
S3	16	27-43 47	-			AVEL, brown, fi (USDA: Sand).	ine to coars	e;	GP		•			М			
S4	14	14-27 45	- 1	_										м			
	-		[≥] 10− 	End	of borin	ng @ 10'						·					
				tons	per sq	et penetrometer uare foot is in st column.											
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	f Wisc				ite To:								.OG I	INFO	RMATION	
Depart	ment o	f Natur	al Resou	ırces	Watershed/Wastev	vater				Form	ւ 4400-	122			7-98 1	bt2
					Remediation/Rede											
	•				Waste Managemer	nt 🗆 o	ther								Page	1
Facility Bac	y/Projec dger Pr	t Name rairie H	ealth Ca	are Center	BT ² #	3207B	Licenso	e/Permit	t/Monito	ring N	Number		Borii E	ng Nu 328	mber	
_	Drilled dger St	• •		and name of crew Jim F	•			g Started 05/200		1	lling Co 09/05/	-	ed	1	ing Method HSA	
DNR F	acility	Well No	o. WI U	Unique Well No.	Common Well N	lame	Static V	Water L	evel	Sur	face El 972.7	evation Feet			hole Diam. Inches	
State P			4 of Sec	N, tion 14, T. 8 N., I	E R. 8 F.		Lat. Long.			Loc	cal Grid et	Locati N.	-	applic eet	able) E.	
County						DNR C	ounty C	ode	Civil To Ver	own/C ona	City/or V	Village			,	
San	nple											Soil	Proper	ties		
Number	Length Recovered	Blow Counts	Depth in Feet		Soil/Rock Descript and Geologic Origin Each Major Uni	n For		USCS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/ Comments	
,			Victoria de la constanta de la		CLAY, dark brow	n, (USDA:		CL						, ,		-
S1	14	02-03 05	-	Silty Clay I LEAN CLA (USDA: Sil	Y, brown, stiff to	very stiff						2.5	М			
S2	12	02-03 04	5 —		,			CL		a deposit de la constante de l		1.5	М			
S3	10	08-09 10	- -		wn, fine ot mediu ne gravel (USDA			SP	(////				М			
S4	14	03-04 07	10-	dense (US	wn, fine to mediu DA: Sand).	ım; medium		SP					М			
		The state of the s		End of bor	ing @ 10';											
					ket penetrometer quare foot is in sta n column.											
	odes i sauro i roda ve il da acada a plandonenna	Park de la companya d	15—							-		MANA AMANANA MANANA		-		
									-							APPLICATION OF THE PARTY OF THE
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BT², Inc.

Terry March

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

State	of Wisc	onsin		Rou	te To:					SOI	L BOR	ING I	LOG	INFO)RMA	TION
Depart	ment o	f Natur	al Resou				Forn	n 4400-	122				7-98 bt			
					Remediation/Rede	ev.										
					Waste Managemei	nt. 🗆 o	ther									Page 1
Facilit Ba	y/Projec	t Name	ealth Ca	re Center	BT ² #	3207B	License	e/Permit	t/Monito	ring l	Number		Bori	ng Nu 329	ımber	
				and name of crew	~~~~~		Drilling	g Starte	d	Dr	illing Co	mplete			ling Me	thod
Ва	dger St	tate Dri	lling	Jim R	ech		09/	04/200	7		09/04/	2007		21/4"	HSA	
DNR F	acility	Well No	o. WI U	Jnique Well No.	Common Well N	lame	Static \ Fe		evel	Su	rface El 966.2		I		ehole D Inches	
State P				N,	Е		Lat. Long.				cal Grid eet		on (If		-	3.
		NVV 1/	4 of Sec	tion 14, T. 8 N., F	K. 8 E.	DVID	, -	ode	Civil To				, '			
County DNR County 13								oue .	Ver	ona	Jity/Of \	mage				
Sar	nple									_		Soil	Prope	rties		
Number	Length Recovered	Blow Counts	Depth in Feet		Soil/Rock Descrip nd Geologic Origi Each Major Uni	n For		USCS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/	Comments
				10" LEAN (CLAY, black, top	soil (USDA:		CL	/////			0,1			1	
S1	18	02-03 04	_	Silty Clay L	oam). Y, brown, soft to	•	/-	CL				1.5	М			
S2	16	02-10 16	K	SANDY CE	AVEL, brown, fi	no to						0.5	м			
00	40	15-31	5 – 5 –		ery dense; few co		;									
S3	16	28	\rightarrow -					GP					М			A PARTICULAR DE L'ANGEL DE L'ANGE
S4	14	09-30 50	10—										М			HARVINA
				End of bori	ng @ 10';											
				Note: Pock per square penetration	et penetration re foot is in standa column.	ading in ton	IS	,								
			15 <u></u>													
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		v	 20						a de la composição de l							
			20													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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