Attachment S

Boring Logs and Abandonment Forms, Geotechnical Test Reports, and Test Pit Logs

- S1 Direct Push Borings
- S2 Test Pit Logs
- S3 Rock Quality Borings
- S4 Select Original Boring Logs

S4 Select Original Boring Logs

SOIL BORING LOG INFORMATION For Rev. 7-98

m 4400 - 122	
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Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other 🗌

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	y/Proje					License/I	Permit/	Monito	ring N	umber		Boring Number					
				Site No. 3	1.51	N/A							1 . 1	M١	N-4		
	-	-	Name of	crew chief (first, last) ar	id Firm	Date Dri	Date Drilling Started Date Drilling Com				ipleted		Drill	ing Method			
	tt Klu s and		neering	Services			2/16	/2022				2/17/2022				HSA 4.25 ID	
WIUr	ique W	Vell No		DNR Well ID No.	Common Well Name	Final Static Water Level Surface Eleva										chole Diameter	
	-	4431		104	MW-4	895	.7 Fe	et MS	L		911.7	.7 Feet MSL				inches	
	Grid O	rigin		timated: 🗌) or Bor		1.		0	,		Local C	Grid Loo	cation				
State		_		202 N, 2,168,283		La							□ N			□ E	
NW Facilit		of N	E 1/		T 7 N, R 10 E	Long	3		<u> </u>		Village	Feet]	Feet 🗌 W	
	у Ш 45048	20		County Dane		County Co 13	de	Madi		ity/ or	village						
	nple					15	<u> </u>	Iviaui		T	1	Soil	Prope	rties		<u> </u>	
Jan				Seil/D	al Description						-		liop				
	Length Att. & Recovered (in)	nts	Depth In Feet		ock Description						Compressive Strength					s	
Number and Type	Length Att. Recovered (Blow Counts	Ч		ologic Origin For h Major Unit		S	ic.	l m	E A	ress	ure		city		RQD/ Comments	
umb.	engt	NO	epth	Eac	n wajor Unit		SC	Graphic Log	Well Diagram	PID/FID	omp	Moisture Content	Liquid Limit	Plasticity Index	P 200	omn OD/	
Z 6	ч ч х х	Ē		τ	1 (CT) 1:4411 4	C				E	<u>v v</u>	ΣŬ		E E	<u> </u>	<u> </u>	
			E I	Lean clay with sand silt, trace subangul	ar gravel, brown (7.	5YR											
				4/3), medium-plast	ic, moist, stiff	0 110	CL										
			FI	(glacio-lacustrine)													
			\mathbb{E}_2	(Loess)													
			F, I														
$\frac{1}{SS}$	24	3 3		Silty sand (SM)							2.75						
22	14	5 4 5	ĻΙ	(Till)													
Å		5	-4														
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L	2		-5														
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2 SS	24 24	2	E°I	medium stiff							1						
33	24	2 2 2	E.	Silty sand (SM) (Till)													
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			-12					<u> </u>									

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

Logan Dwyer 8413 Excelsior Dr Suite 160 Madison, WI 53714	Tel:
8413 Excelsion Dr Suite 160 Madison, WI 53714	Fax:

oring Sam	ple	-		-4 Use only as an attachment to Form 4400-	-	1	1			Soil	Pag Prope	-	of	
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content		ity	P 200	RQD/ Comments
					CL									
	777	83 17	-13 -14 -15 -16	Highly Weathered Dolomite, fine grained, pale yellow (2.5YR 8/3), angular rock fragments, dry, very dense										
			17	Kh = 4.38E-02 cm/s	DOI									
	5 5	100	-18 -19 -20	glauconite pockets, brownish yellow (10YR 6/6)										Water noticed in samples 18 feet
			21	Dolomite rock fragments, brownish yellow	X	F				8.6		NP	16.4	Lab
M	22	60	-22 -23 -24 -25	(10YR 6/6)										GM Screen zc MW-4 - J sample S 21-23ft
M			-26 -27 -28	X	X									
	1	60	-29	Highly Weathered Rock, very pale brown (10YR 7/3), medium to coarse to fine grained sand, some silt, wet, very dense						9.5		NP	24	Lab classified SM Bag sam S8 - 29-3 (from au
			-31	End of boring 31 feet - well set at 28ft (borehole bottom 880.7ft MSL) SCS edits (in red) based on review of soil &	X		123							flights)

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To	Wat
Noule	10.	wau

Watershed/Wastewater

Waste Management 🛛 Other 🗌

														Pag		of	3	
	y/Proje					License/l	Permit	Moni	itorir	ng Nu	mber		Boring Number					
				l Site No. 3	1.5.	N/A	<u>11: c</u>		1			- D 111		1.4.1	B-0		• M (1 1	
			Name of	crew chief (first, last)	and Firm	Date Dri	uing S	tarted	1		Da	te Drilli	ng Con	npleted		Drill	ing Method	
	tt Klu s and		neering	g Services			2/28	/202	22				2/28/2	2022		H	SA 4.25 ID	
WI Ur	ique W	ell No		DNR Well ID No.	Common Well Name	Final Static Water Level Surface Elev										ehole Diameter		
.	0.1.0				• • • • • •						882.3				8.0	inches		
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Facilit		01 0.		County		County Co		Civil	l Tov	wn/Ci	ty/ or	Village	1000					
	45048	30		Dane		13		Ma	disc	on								
San	nple												Soil	Prope	erties		-	
	& (in)	ts	set	Soil	Rock Description							e						
r pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Geologic Origin For		s			ц		Compressive Strength	e t		t7		RQD/ Comments	
Number and Type	ngth cove	w C	pth I	Ε	ach Major Unit		S C S	Graphic	50 =	Well Diagram	PID/FID	mpre	Moisture Content	Liquid	Plasticity Index	00	D D	
Nu and	Leı Re(Blc	Del				D S	ŪĽ,	Log	Well Diagr	PII	Str.	C ₀₁	Liquid	Plastic Index	P 200	Coi	
				"B-6" for soil de	4 feet - see boring lo scriptions	B												
			-1															
			E I															
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			-12					144	김 이									

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

Signature / appare During A	Firm Tetra Tech	Tel:
Logan Dwyer	8413 Excelsior Dr Suite 160 Madison, WI 53714	Fax:

	g Numb 1ple	11	B-6	A Use only as an attachment to Form 4400		-					Soi	1 P		ge 2 erties		
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well	Diagram	PID/FID	Compressive Strength	Moisture		Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-13	Blind drill to 25.4 feet - see boring log "B-6" for soil descriptions <i>(continued)</i>	SM											
			-15 -16 -17 -18		SP											
	1 0	60	-19 -20 -21 -22 -23 -23 -24	Highly weathered dolomite (Galena-Platteville Fm) Blind drilled. Drilled until competent rock reached for rock core				h.								
	120 49		-25 -26 -27 -28 -29 -30 -31 -32	(DL2) Highly weathered dolomite, near vertical fractures, pale brown (10YR 6/3) (Galena-Platteville Fm) (Sinnipee Group,	DL2											HQ rock core run 1: RQD = 15 ⁴ (very poor) recovery 41% FF= Indetermin due to disaggregat sample

Sample Number Number Soil/Rock Description Add Type Blow Counts Soil/Rock Description And Geologic Origin For Add Type Discrete (iii) Add Type Discrete (iiiii) Add Type Dist	Boring Number	B-6A Use only as an attachment to Form 4400-1	22.			Page 3	of 3
					Soil P	roperties	
	ber Jype th Att. & vered (in) Counts	5 Soil/Rock Description 5 And Geologic Origin For 5 Each Major Unit	bic S	am	oressive gth ture ent	a icity) / ments
	Numl and T Leng Reco Blow		U S (Grapl Log	Well Diagr	ComJ Stren Mois Conte	Limit Limit Plasti Index	P 200 RQD Comi
2. Second	$2 \\ SS \\ 2.25 \\ 2.25 \\ 100$	 33 34 35 35 36 37 37 38 38 39 39 30 30 31 31 32 32 33 33 34 35 35 36 37 37 38 38 39 30 30 30 31 31 32 32 33 33 34 35 35 36 37 37 38 39 30 30 31 32 34 35 36 37 37 38 39 30 30 31 32 34 35 35 36 36 37 37 38 39 30 30 31 32 34 35 36 36 37 36 37 36 36 37 36 36 37 36 36 37 36 37 37 38 39 30 30 31 32 34 35 36 36 37 36 36 37 36 36 36 37 36 36 36 36 36 36 37 36 <	DL2				

SOIL BORING LOG INFORMATION Forn Rev. 7-98

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

													Pag		of	4	
Facility						License/I	Permit	Monito	ring N	umber		Boring	Numb		10	-	
				1 Site No. 3 of crew chief (first, last) a	and Firm	N/A Date Dri	Ilin ~ P	tontad			ate Drilli	ng Car	mlotad	B-		ing Method	
-	tt Klu	-	ivaine 0	n crew cilier (lirst, last) a	uiu fifiii	Date Dri	ning S	laried				ng Con	upieted			ing wethod	
			neering	g Services			2/22	2/2022				2/22/2	2022		H	SA 2.25 ID	
	ique W			DNR Well ID No.	Common Well Name	Final Static Water Level Surface Eleva										ehole Diameter	
	0-110			stimated: 🗌) or Bo		875	875.9 Feet MSL 916.9 Feet MSL Local Grid Location						6.0 inches				
Local Control State		rigin		1 ,667 N, 2,169,421		La	t	°	<u>'</u>	"	Local	Jria Lo		r			
NE		of N		$1/4 \text{ of Section} \qquad 36,$	T 7 N, R 10 E	Long	D.	0	'	"		Feet				□ E Feet □ W	
Facility	y ID			County		County Co		Civil T		ity/ or	Village						
_	45048	30		Dane		13		Madi	son								
San	nple											Soil	Prope	erties	-		
	. & (in)	ts	cet		Rock Description						ve						
er pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		eologic Origin For		s	0	6	P	Compressive Strength	t te		ity		RQD/ Comments	
Number and Type	ngth cove) wc	pth	Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	mpr	Moisture Content	Liquid	Plasticity Index	P 200	D/	
Nu an(Le Re	BI	De la				5	Grap	Well	IId	St Co	ůğ	Ľ.	Pla	P 2	L R S	
			E	Silty sand (SM), f brown (10YR 5/6	ew gravel, yellowish	1											
			⊢ 1), dry, 10050 (till)												
			E														
			E_2														
			È_														
			E_3														
_			Ę														
$\frac{1}{SS}$	24 18	34	E4														
55 1	10	6	F*				SM										
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2 17	15	12	F	Silty sand (SM) 1	ittle gravel, yellowis	h red X											
$\begin{array}{c} 2\\ SS \end{array}$	15	32 56	<u>-</u> 9	(5YR 5/6), dry, de	ense (till)												
И		50	F						•								
			-10				SM										
			F														
			E-11						•							Driller indicated	
			Ē	(Cinnings Creek				1.1.1.								hard drilling	
			-12	(Sinnipee Group)) 			Ē								@ 11.5 feet	
I hereb	y certi	fy that	the info	ormation on this form is t	true and correct to the b	est of my k	nowle	dge.									

Signature	Logan Duryer	Firm Tetra Tech	Tel:
		8413 Excelsior Dr Suite 160 Madison, WI 53714	Fax:

	g Numb nple		B-1	0 Use only as an attachment to Form 4400-		-			-	Soil	Pa Prop	-	of	İ.
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well	PID/FID	Compressive Strength			sity	P 200	RQD/ Comments
3 SS	1	60	-13 14 15 16	Highly weathered dolomite bedrock, silt with rock fragments, brownish yellow (10YR 6/6), dry (Galena-Platteville Fm) (continued) (Sinnipee Group). (DOL) Very poor recovery.	DOL									
4 🛎 SS	1 1	60	-17 -17 -18 -19 -20 -21											Driller indicated softer drilling 17-18 fe and hard drilling (18 feet
5 S	1	60	-22 -23 -24 -25 -26											
6 🗵 SS	22	75	-27 -28 -29 -30 -31	Highly weathered shaly dolomite bedrock, gray (5Y 5/1), (Galena-Platteville Fm) (Ancell Group, Glenwood Formation) Shale "CL", laminated, plastic, moist.	SS1									

San	ple				1			-	1	Soil	Prope	erties		
and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			-33	Highly weathered shaly dolomite bedrock, gray (5Y 5/1), (Galena-Platteville Fm) (continued) (Glenwood Fm)	SS1						1			Driller indicated easier
	4 4	100		Weathered Sandstone, white (GLEY 1 8/N) (St. Peter Fm) Tonti Member, Ancell Group)	SS2									drilling @ 32.5 feet
	3.5 3.5	100		brownish yellow (10YR 6/8)			¥							
N	22	100	-42 -43 -44 -45 -46	sandstone and dolomite fragments, few sand, white (GLEY1 8/N), wet						8.6	23	15	22.7	Bag samp S9 - 41-43 from auge flights Driller indicated hard drilli @ 43.5 fe
	3 3	100	47 48 49 50 51	Highly Weathered Dolomite, dolomite fragments, light brownish gray (10YR 6/2) (bedrock formation indeterminable due to limited sample) LEAN CLAY/FAT CLAY "CL CH", wea. residuum (Readstown Member) (SS3)	SS3									

Borin	g Numl	ber	B-1	0 Use only as an attachment to Form 4400-	122.						Pa	ge 4	of	4
	nple									Soil		erties		
	s (ii	s	et	Soil/Rock Description					0					
e	Att. ed (ount	ı Fee	And Geologic Origin For			_		ssive	0		~		nts
Typ	gth /	Blow Counts	Depth In Feet	Each Major Unit	CS	ohic	l	PID/FID	ngth	sture	ii d	x x	0)/
Number and Type	Length Att. & Recovered (in)	Blov	Dep		USC	Graphic Log	Well Diagram	PID	Compressive Strength	Moisture Content	Liquid	Plasticity Index	P 200	RQD/ Comments
							-							
			-		SS3									
			-53	glauconite and dolomite fragments			_							
11 SS	1	60		white (GLEY1 8/N)		+++	-							
66				End of boring 53.6 feet (bottom elevation										
				863.3ft MSL)										
				SCS edits (in red) based on review of										
				soil and rock samples 8/15/2023.										
	I					I						1	I	

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 2
	ty/Proje					License/I	Permit/	Monito	ring N	umber			Numb			
				No. 3 (Proposed)	SCS#: 25222268.00		1. 0.						MW-		5 11	
	-	•		f crew chief (first, last) ar		Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method
Toi Sco	1y Kap ott Klu	ougi, mb. S	On-sit Soils &	te Environmental Se & Engineering Servi	ervices, Inc.		1/1	3/202	3			2/1/2	023			irect Push; SA, 4.25"
	nique W				Common Well Name	Final Sta	tic Wa	ter Leve	el	Surfac	e Elevat	ion		В		Diameter
		0853			MW-109					8	896.0 H	Feet N	1SL		8	.3"
	Grid Oı	rigin		stimated: 🗌) or Bor		T.	4	0	,	"	Local C	drid Lo	cation			
	Plane	a (1)		,244 N, 2,168,352		La		。	,			Feet				Feet 🗌 E
NW Facilit		of S	E I	/4 of Section 25, County	T 7 N, R 10 E	Long		 Civil T		ity/ or	Village					□ W
1 denn	IY ID			Dane		13	ue	City		•	•					
Sar	nple											Soil	Prope	erties		
			L 1	Soil/R	ock Description											-
	tt. & sd (ii	unts	Fee		ologic Origin For						ы					ts
ber Type	th A vere	Co	h In		h Major Unit		CS	hic	La La	E E	lard trati	ture	E G	icity ć		men
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		5		n s o	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		E	<u>+</u>	SILT (ML) verv dark	grayish brown (10YR 3/	/2)		·			NH					
			Ê,	organic rich, with roots	s. (Topsoil)	_);	ML	1/								
			E	LEAN CLAY (CL), da	rk yellowish to brown (10YR		· · · ·								
			E_2	4/4), mostly silt with cl massive, trace roots. (L	ay, soft, cohesive, unifo	rm,										
S1	51		Ē		,		CL				1.25	M				
51			-3								2.25					
			E	– Dark reddish brown (5	YR 3/4) sand and trace	gravel. –					1.75					
			<u>-</u> 4	SILTY SAND (SM), ye	ellowish red (5YR 4/6),	mostly										
			E_5	fine sand with medium fine and coarse gravel (to coarse sand and som (mostly dolomite), unifo	ie clay, rm.										
			Ē	massive. (Till) (Holy H	fill Formation, Horicon	,										
			E-6	Member)												
			Ę													
			-7													
S2	38		Ê.									M				
			E-8													
			E_9													
			É				SM									
-	-		-10													
			E													
			-11													
			Ē 12													
	20		E ⁻¹²													
S3	32		E-13									M/W				
			Ē													
			-14													
			Ē 16													
	<u>ا</u>	.	<u>-15</u>			1-	1	1	-	-	1		1		1	<u> </u>

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

	rm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Borin	g Numb	ber	MW	V-109 Use only as an attachment to Form 4400-	122.									Page	2 of 2
San	nple										Soi	l Pro	perties	1	_
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well	Diagram	PID/FID	Standard Penetration	Moisture	Liquid	Plasticity Index	P 200	RQD/ Comments
S4	24		-16 -17 -18 -19 -20	LEAN CLAY (CL), dark brown (7.5YR 3/2), with sub-rounded gravel, soft. (Lake Sediment)	SM						M/W	r			
85	53		21	SILTY SAND (SM), yellowish red (5YR 4/6), mostly fine sand with medium and coarse sand and some clay, fine and coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	SM						M/W	r			
 S6	48		-25 -26 -27 -28	SILT (ML), yellowish red (5YR 4/6), with fine to coarse sand, trace clay and gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member) SILTY SAND (SM), yellowish red (5YR 4/6), mostly fine sand with medium and coarse sand and some clay, fine and coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member) Kh = 2.09E-03 cm/s	ML SM						M/W	r			Depth to water measured at 29' bgs.
			-29	SILTY SAND WITH GRAVEL (SM), very pale brown (10YR 7/4), mostly fine sand with medium and coarse sand and fine to coarse gravel (mostly dolomite). (Weathered Dolomite Bedrock)	SM										
			-31 -32 -33 -34 -35	At 28.5' to 30', SILTY SAND (SM) % g-s-si-cl= 25-62-6-7 NP Blind drilled from 30' to 37' bgs. (See MW-109A log from 33.5' to 37' for lithology.)	DL1										
			-36	End of boring at 37' bgs in dolomite. Refusal at 30' bgs with direct push sampler. Overdrilled with 4.25" HSA and set well to 20' bgs. Well dry at 20' bgs, Soils & Engineering Services removed well and redrilled to 37' bgs with 4.25" ID HSA on 2/1/2023. Well constructed from 36.3' bgs.											

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 4
Facilit						License/I	Permit/	Monito	ring N	umber		Boring				
				No. 3 (Proposed)	SCS#: 25222268.00								MW-			
-		•	Vame of	crew chief (first, last) ar	nd Firm	Date Dri	lling St	tarted		Da	te Drilli	ng Con	npleted			ing Method
	tt Klu			а · т			0/10	10000				2 10 12				SA 4.25" &
				Services, Inc.		F' 1.04		/2023			F1	3/9/2	023			r rotary
WIUn	ique W			DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Lev	el		e Elevat		(OT	Bo		Diameter
Lagal	WL Grid Or)837	□ (aa	timated: 🗌) or Bori	MW-109A					8	95.8 F				8.3	5", 6"
State]		Igili		247 N, 2,168,350		La	t	0	'	"	Local				,	
NW		of SH			т7 N, R 10 е	Long		0	,	"		Feet	□ N □ S		1	Feet 🗌 E
Facilit		01 51	2 1/	County		County Co		Civil T	`own/C	city/ or	Village					vv
1 401110) 12			Dane		13				adisor	-					
San	mle										-	Soil	Prope	erties		
				Ca:1/D	a alt Description											
	t. & 1 (in	nts	feet		ock Description											r o
er /pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ologic Origin For		S	. <u>.</u>	5		Standard Penetration	at it		ity		RQD/ Comments
Number and Type	ngth cov) MC	pth	Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	nda	Moisture Content	Liquid Limit	Plasticity Index	200	RQD/ Comm
Nu	Le Re	Ble	De				D	Grap Log	Well Diagr	Id	Sta Pei	Σů	Lic	Pl6 Inc	P 2	CcRC
			-1 -2 -3 -4 -5 -6 -7 -7 -8 -9 -10 -11	Reamed hole to 6" dian	n 0' to 30' bgs for litholog to 71.5' bgs on 3/13/2023 neter using air rotary on ed well MW-109A from											
			-11 -12 -13 -14 													

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

Adam Watson 2830 Dairy Drive, Madison, WI 53718	Signature	Adam Watsor	Firm SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

<u>MW-109</u>A 2 of 4 Boring Number Use only as an attachment to Form 4400-122. Page Sample Soil Properties Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Standard Penetration Comments Number and Type And Geologic Origin For Plasticity Index Diagram Moisture PID/FID Graphic USCS Content Liquid Limit Each Major Unit RQD/ P 200 Well Log -16 17 E -18 -19 20 -21 E -22 E 23 -24 E -25 E 26 -27 -28 29 --30 -31 -32 E 33 DOLOMITE (DL1), dark gray (10YR 4/1) and light F -34 yellowish brown (2.5Y 6/3), with trace very dark 60/1" S11 brown layers (10YR 2/2), massive to thinly wavy bedded, with round to oval vugs, chert, and dendrites, E -35 fossiliferous. (Sinnipee Group, Galena Formation) -36 DL1 -37 E -38 Run 70 FF=1.2/ft Percent Recovery=97% RQD=59%, fair 1 39 40

Borin	ig Numb	ber	MW	/-109A	Use only as	an attachment	to Form 4400-1	22.									Page	3 of 4
Sar	nple												Soi	1 Pro	ope	erties		-
	Length Att. & Recovered (in)	ts	set		Soil/Rock	Description												
r Se	Att. red	uno	n Fe		And Geolog	gic Origin For		s	0	_ я		dtion	e .			ty		ents
Number and Type	lgth sove	Blow Counts	Depth In Feet		Each M	lajor Unit		S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture	Liquid	it	Plasticity Index	00	RQD/ Comments
Nun and	Ler Rec	Blo	Del					n S	Grap Log	Well Diagr	PIL	Sta Per	°N U	Lig	Limit	Pla Ind	P 200	RQ Coi
Run 2	8		41 42 43 44 45 46 47 48 49 50	tossiliterous.	E (DL1), dark ; own (2.5Y 6/3 ; (10YR 2/2), 1 r round to oval	gray (10YR 4/), with trace va massive to thin vugs, chert, ar ormation)	1) and light ery dark ly wavy nd dendrites,											FF=2.99/ft Percent Recovery=6% RQD=0%, very poor
Run	33		50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 64			8/1) and light g andstone. (2.5Y 5/1) and y interbedded y		DL1										FF=1.82/ft Percent Recovery=28% RQD=0%, very poor Drill yray-white, cuttings are clayey/silty.

Borin	g Numł	ber	MW	V-109A Use only as an attachment to Form 4400-1	22.								Page	4 of 4
	nple									Soil	Prop	erties		
	t. & 1 (in)	uts	feet	Soil/Rock Description					Ę					s
) Ser	th At verec	Cou	l nl r	And Geologic Origin For Each Maior Unit	S	lic	am	A	lard ratio	ture	-σ.	city		/ nent
Jum T bu	Leng	3low	Dept		S	Graph	Vell Diagr	JD/H	Stand	Moist Conte	init	Plasti ndex	200	SQD, Comr
Number A A A A A A A A A A A A A A A A A A A	123	Blow Counts	199 Jul those 1	Each Major Unit DOLOMITE (DL1), dark gray (10YR 4/1) and light yellowish brown (2.5Y 6/3), with trace very dark brown layers (10YR 2/2), massive to thinly wavy bedded, with round to oval vugs, chert, and dendrites, fossiliferous. (Sinnipee Group, Galena Formation) Kh = 1.37E-03 cm/s End of cored boring at 71.5' bgs in dolomite. Reamed hole to 6" diameter with air rotary to 71.5 feet bgs and constructed well from 70.3' bgs.	DL1				Standard Penetration	Moisture				FF=1.17/ft Percent RQD=80%, good

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

Facilit	v/Proje	ct Name				License	e/Permit/	Monito	ring N	umber		Boring	Numb	or	Page	l of	3
				o. 3 (Proposed)	SCS#: 25222268.00	License		womo	ring iv	unioei			MW-		Δ		
				crew chief (first, last) a		Date D	rilling St	arted		Da	te Drilli					ling Meth	nod
-	tt Klu	-					0					0	1			A, 4.25	
Soi	ls & E	nginee	ring S	ervices, Inc.			2/7/	2023				3/2/2	023			Air Rota	
WI Uı	-	ell No.		DNR Well ID No.	Common Well Name	Final S	tatic Wa	ter Lev	el		e Elevat			В		Diameter	
		2867			MW-120A					9	907.3 I				8.	3" & 6"	
	Grid O	rigin		timated:) or Bor 643 N, 2,167,838		1	.at	0	,	"	Local C						
NW	Plane 1/4	of NE		4 of Section 36,	T 7 N, R 10 E	Lo		0	'	"		Feet				Feet	E W
Facilit				County	,	County C					Village						
				Dane		13		City	of Ma	adisor	l						
Sar	nple											Soil	Prope	erties			
	ii. &	s	्र इ	Soil/R	ock Description												
e	Att. ed (ount	l Fe	And Ge	ologic Origin For						L. L.			×		te de	112
Typ	gth /	Ŭ	th Ir	Eac	h Major Unit		CS	hic			darc	sture	it d	x icit.)(
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet				U S	Graphic Log	Well Diaoram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	
			-1 -2 -3 -4 -5	(See MW-120 log for l Cored hole from 19.5' Reamed hole to 6" diar 3/2/2023 and set well	neter with air rotary on	L											
			-6 -7 -10 -11 -12 -13 -14 -15 -14 -14 -15 -14 -15 -14 -15 -14 -15 -15 -15 -14 -15 -														

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

Signature Juckie Rennebohm, PG	Firm	SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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Borin	g Numb	ber	MW	V-120A Use only as an attachment to Form 4400-1	22.								Page	2 of 3
	nple									Soil	Prop	erties		
	(ii) &	s	et	Soil/Rock Description										
. o	Att. ed (Blow Counts	Depth In Feet	And Geologic Origin For					ion 1	0		~		nts
Typ	gth . over	č	th Ir	Each Major Unit	CS	phic	1 464	FIL	dard	sture	ii d	Plasticity Index	0)/ Imei
Number and Type	Length Att. & Recovered (in)	Blor	Dep		U S	Graphic Log	Well	PID/FID	Standard Penetration	Moisture Content	Liquid	Plastic Index	P 200	RQD/ Comments
			16	Blind drilled to 18.5' bgs. (See MW-120 log for lithology from 0' to 15' bgs.) Cored hole from 19.5' to 50.5' bgs on 2/7/2023. Reamed hole to 6" diameter with air rotary on 3/2/2023 and set well MW-120A to 49.3' bgs.										
			- 10	SILTY SAND WITH GRAVEL (SM), brownish	SM									
S1	2 ¹¹	/2" 60/<	⊑_19 ∰"	yellow (10YR 6/8), fine to medium grained, with fine to coarse gravel (mostly dolomite), with green	SIM									
			-20	(glauconite) silt. (Weathered Dolomite) kedrock) (Prairie du Chien Group, Oneota Formation)										
				DOLOMITE (DL4), light gray (10YR 7/1) and yellow										
			-21	(10YR 7/6), massive to planar bedded, sandy, with chert, trace glauconite, round to oval vugs, and										
			E-22	dendrites. (Prairie du Chien Group, Oneota										
Run	41.5			Formation)										FF=1.36/ft
1			-23											Percent Recovery=73.5%
			Ē											RQD=32.5%, poor Bit drop at
			-24											21' bgs.
			-25				4							
-														
			26 											
			-27	From 26.5' to 27.5' bgs, massive with abundant dendrites and no sand.										
Run 2	55		-28 											FF=0.87/ft Percent
			-29											Recovery=89% RQD=48%, poor
					DL4									
			<u>-30</u>				2							
			-31											
			E			\square								
			-32											
			-33											
			-											
			-34											
Run 3	82													FF=1.17/ft Percent
														Recovery=85% RQD=63.5%,
			-36				_							fair
			37 E											
			-38			<u> </u>								
\vdash			E			\vdash								
			-39					· . · . ·						
			-40					÷						
	. 1		, 10			•			1			1		i.

Borin	g Numb	ber	MW	V-120A Use of	only as an attachment to Fo	orm 4400-1	22.								Page	3 of 3
San	nple											Soil	Prope	rties		
	Length Att. & Recovered (in)	ts	set	Soi	l/Rock Description											
r Se	Att. red	oun	n Fe	And	Geologic Origin For		S	0	я	Ω	d tion	8 <u>-</u>		ty		ents
Number and Type	ngth sove	Blow Counts	Depth In Feet]	Each Major Unit		C	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	8	RQD/ Comments
Nu	Ler Rec	Blo	Del				U S	Grap Log	Well Diagr	PIL	Sta Per	Mo Coi	Liquid Limit	Plastic Index	P 200	RQ Coi
Run 4	83		-41 -42 -43	(10YR 7/6), massiv chert, trace glaucon	, light gray (10YR 7/1) and e to planar bedded, sandy, ite, round to oval vugs, and lu Chien Group, Oneota	with										FF=0.72/ft Percent Recovery=99% RQD=41%, poor
			-44 45 46	Kh = 1.77E-04 cm/	s		DL4									
Run 5	59		47													FF=0.81/ft Percent Recovery=98% RQD=61%, fair
				End of boring at 50 Reamed hole to 6" of constructed well from the second secon												

Route To:

Watershed/Wastewater Waste Management Remediation/Redevelopment Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

Facil	try/Ducie	at Nam				T i a am a a /T	Domesit	Manita	uiu ~ N			Danima	Numb		Page	1 of 2
	ty/Proje			o. 3 (Proposed)	SCS#: 25222268.00	License/I	ermit/	Nonito	ring N	umber		Boring	B-21			
				crew chief (first, last) ar		Date Dri	ling St	arted		Da	te Drilli				Drill	ing Method
То	- ny Kap	ugi		l Services, Inc.			-	2023				1/9/2	-		Di	irect Push ID
WIU	nique W	ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat			Bo		Diameter
										9	01.8 H				2	.3"
	Grid O	rigin		timated: \square) or Bori		La	t	0	,	"	Local C					_
SW		of S		,	t 7 n, r 10 e	Long	g	•	•	"		Feet]	Feet E E W
Facil	ty ID			County		County Co	de	Civil To		•	•					
	1		<u> </u>	Dane		13		City o	of Ma	dison		g '1	D			
Sa	mple											Soil	Prope	erties		-
	Length Att. & Recovered (in)	ts	set		ock Description											
ne r	Length Att. & Recovered (in	Blow Counts	Depth In Feet		ologic Origin For		s	0	8		Standard Penetration	e t		ţ		RQD/ Comments
Number and Type	ligth	N N	pth]	Eacl	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	ndaı netra	Moisture Content	Liquid Limit	Plasticity Index	00	Q. Mu
Nu	Lei Rec	Blc	De				n S			ЫI	Sta Per	Co Co	Liquid Limit	Plastic Index	P 200	Co RQ
[FL	SILT (ML), very dark	grayish brown (10YR 3/	2),	ML	<u><u>x</u>¹ <u>1</u><u>x</u>: <u>x</u>¹</u>	1							
			E_1	organic rich, with roots CLAYEY SAND (SC).	very dark grayish brow	/										
			E I	(10YR 3/2) and dark y	ellowish brown (10YR 3	3/4),										
			-2	uniform, massive, trace	ome fine sand, soft, cohe roots. (Loess)	sive,										
S 1	17		Εl	From 0.8' to 5', CLAYE % g-s-si-cl = 4-59-18-1	EY SAND (SC)		SC				1.25	M				
			=3	LL=42, PI=23	.)						1.5					
			Ē													
ŀ	-		<u>-</u> 5	SIL TV SAND (SM) of	rong brown (7.5YR 4/6)	<u>`</u>		। विकास								
			Εl	mostly fine sand with r	nedium to coarse sand a	nd]							
			-6	some clay, fine to coars	se gravel (mostly dolomi) (Holy Hill Formation, 1	te), Horicon										
			E, I	Member)	(1101) Thirt officiation, I	lioneon			;							
~			— 7													
S2	26		E-8									M				
			Ē						:							
			-9													
			Εl													
F	1		$\begin{bmatrix} 10 \end{bmatrix}$	Strong brown (7.5YR 4	4/6) and red (2.5YR 4/8)).	SM									
			E-12													
S3	41		E I									M				
			-13													
			E, I													
			E ⁻¹⁴													
[E-15													

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

Signature Adam Watson Firm SCS Engineers 2830 Dairy Drive, Madison, W	VI 53718
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Borin	g Numb	ber	B-2	19 Use only as an attachment to Form 4400-1	122.								Page	2 of 2
Sar	nple									Soil	Prop	erties		-
	. & (in)	ıts	eet	Soil/Rock Description										
er /pe	n Att ered	Cour	In F	And Geologic Origin For	s	. <u>.</u>	B	9	ation	ure at		ity		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	L R	В		SILTY SAND (SM), strong brown (7,5YR 5/6).	D		⊳ D	P.	P N	20		P. H	Ч	
S4	57			SILTY SAND (SM), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand and some clay, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)						М				
S5	55		-21 -22 -23 -24 -25		SM					М				
S6	58		-26 -27 -28 -29							W				
S7	36			CLAYEY SAND (SC), strong brown (7.5YR 5/6), mostly fine sand with medium to coarse sand, fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member) POORLY GRADED SAND WITH SILT (SP-SM), olive yellow (2.5Y 6/6), fine to medium sand. (Weathered Dolomite Bedrock)	SC SP-SM				2.0 2.5	W				Refusal due to bedrock. Dolomite bedrock at 35' bgs at boring B-219C.
				Refusal, end of boring at 33' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

Route To:

Watershed/Wastewater Remediation/Redevelopment Other

Waste Management

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3
	y/Proje					License/I	Permit/	Monito	ring N	umber			Numb			
				lo. 3 (Proposed)	SCS#: 25222268.00								B-21			
-	-	-	Name of	f crew chief (first, last) ar	nd Firm	Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ing Method
Joh	n Wag	mer	1	а :				2022				2/0/2	000			A 4.25" ID &
Sub	surfac	e Exp	oloratic	on Services	Comment Well Norma	Einel Cte		2023	-1	Granfere	- E1	2/8/2	023	D.		Core
WIUr	nique W	ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el		e Elevat		ICI	Bo		Diameter
Local	Grid Oi	 		timated:) or Bor						9	01.8 I				8.3	" & 3"
State		Igm		846 N, 2,168,087		La	t	0	'	"	Local			r		
State		of S			т7 N, R 10 е	Long		0	,	"		Feet			1	Feet E E W
Facilit	1/4 v ID	01 31	L D	County		County Co		Civil T	own/C	ity/ or '	Village					
1 donn	уш			Dane		13	uc	City		-	-					
Son	nple			Dane		15						Soil	Prope	ortion		
Sal	1											5011				
	Length Att. & Recovered (in)	ıts	eet		ock Description						_					
r pe	Length Att. & Recovered (in	Blow Counts	Depth In Feet		ologic Origin For		s	0	8		ti or	e t		ty		RQD/ Comments
Ty]	gth ove	M C	th]	Eac	h Major Unit		υ	phi	ll grai	/FI	otra	Moisture Content	uid iit	stici ex	00	D/
Number and Type	Len Rec	Blo	Def				U S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comir
			Ē	Blind drilled to 35' bgs												
			F.	(See B-219 log for lithe	ology from 0' to 33' bgs.	.)										
			E													
			F,													
			$\begin{bmatrix} -2 \\ \end{bmatrix}$													
			E_4													
			F													
			E ₅													
			ΕĪ													
			-6													
			ΕI													
			⊢ 7													
			E I													
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			E I													
			E ⁻¹⁴													
			Ē, [
			-15					1	1				1			

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

Signature	Adam Watson	SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

B-219C Boring Number Use only as an attachment to Form 4400-122. 2 of 3 Page Soil Properties Sample Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Standard Penetration Number and Type And Geologic Origin For Comments Diagram Moisture Content Plasticity Index PID/FID USCS Graphic Liquid Limit Each Major Unit RQD/ P 200 Well Log Blind drilled to 35' bgs. (See B-219 log for lithology from 0' to 33' bgs.) E -18 -19 -20 -21 F 22 E 23 -24 25 E 26 E -27 -28 29 Ē -30 -31 -32 -33 -32 -34 35 DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay. -36 (Sinnipee Group, Platteville Formation). -37 FF=3/ft Percent Recovery=20% RQD=18%, very poor DL2 12 Run Ē 1 -38 39 40

Borin	g Numł	ber	B-2	19C Use only as an attachment to Form 4400-1	22.								Page	3 of 3
	nple			,						Soil	Prop			
	% (ii)	ts	et	Soil/Rock Description										
r pe	Att. red	Joun	In Fe	And Geologic Origin For	S	5	я		rd ttion	t re		ty		ents
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Run 2	24	H	41 42 43 44 45	DOLOMITE (DL2), brownish yellow (2.5Y 6/6), thinly bedded with shale and/or silt, bedding is wavy, with trace small round vugs and gray/green clay. (Sinnipee Group, Platteville Formation).	D DL2			P	S d					FF=3/ft Percent Recovery=40% RQD=9%, very poor
Run 3	12		-46 -47 48											FF=3/ft Percent Recovery=33% RQD=11%, very poor
Run 4	24		-49	Dark gray (2.5Y 4/1) and dark grayish brown (2.5Y 4/2), massive to thinly bedded with shale, with trace small round vugs, fossiliferous.			- - - -							FF=1.5/ft Percent Rcovery=100% RQD=12.5%,
				End of boring at 50' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										very poor

Route To:

Watershed/Wastewater Waste Management Other Remediation/Redevelopment

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

															Page	1 of 2
	ty/Proje					License/I	Permit/	Monito	ring N	umber		Boring				
Dar	ne Cour	nty La	andfill I	No. 3 (Proposed)	SCS#: 25222268.00								<u>B-22</u>		D 11	
	0	2	Name of	f crew chief (first, last) ar	nd Firm	Date Dri	lling Si	arted		Da	te Drilli	ng Con	npleted			ing Method
On		nviro		al Services, Inc.				2023				1/9/2	023		2"	irect Push ID
WI U	nique W	ell No).	DNR Well ID No.	Common Well Name						e Eleva			Bo		Diameter
						90	0.9 F	eet M	SL		06.9 I				2	.3"
	Grid Or	rigin		stimated: \Box) or Bor		La	+	0	,	"	Local (
	Plane			,047 N, 2,167,866				。	,	"		Feet]	Feet E
SW Facili		of S	E 1	/4 of Section 25, County	t 7 n, r 10 e	Long County Co		Civil T			Villaga		S			□ W
гасш	IJ			Dane		13	ue	City		2	0					
Sar	nple			Dalic		15					1	Soil	Prope			
Sal				G 1175								5011	riope			
	Length Att. & Recovered (in)	nts	eet		ock Description											
r pe	Ati	Cour	ЧH		ologic Origin For		S	o	8		rd	e e		ity		ents
Number and Type	Length Att. Recovered (Blow Counts	Depth In Feet	Eac	h Major Unit		sc	Graphic Log	Well Diagram	PID/FID	nda	istu nter	Liquid Limit	Plasticity Index	8	D/Q
Nu and	Lei Rei	Blc	Dej				n s			IId	Standard Penetration	Moisture Content	Lic	Pla Ind	P 200	RQD/ Comments
Γ	1		-	SILT (ML), very dark	grayish brown (10YR	3/2),	ML	<u>xt 1</u> / <u>xt</u>	1							
			E_1	organic rich, with roots LEAN CLAY (CL), ol		mostly										
			- 1	silt with clay, some find	e sand, soft to medium	ı stiff,										
			E_{-2}	cohesive, uniform, mas	ssive, trace roots. (Loes	ss)										
S1	31		E								1.0	M				
51			-3								1.0					
			F				CL									
			-4													
			E													
F	1		E ⁻⁵													
			-6													
			-	SILTY SAND (SM), o reddish brown (5YR 5/	live brown $(2.5Y 4/4)$	and										
			E-7	medium to coarse sand	and some clay, fine to	coarse										
S2	51		Ē	gravel (mostly dolomite (Holy Hill Formation, I	e), uniform, massive. (Horicon Member)	Till)						W				Measured depth
			-8	(Thory Thin Formation, I	noncon wember)											to water at 6 [°] bgs.
			E													
			<u>–</u> 9													
			= 10				SM									
Γ			= 10	Reddish yellow (5YR 6	5/6).		SIVI									
			E-11													
			-12													
S3	60		E								2.25	W				
			-13												1	
			Ê,												1	
			E ⁻¹⁴	CLAYEY SAND (SC)	, reddish yellow (5YR	. 6/6),			1						1	
			-15	mostly fine sand with r	nedium to coarse sand	and clay,	SC									
I here	by certif	v that		rmation on this form is tr	ue and correct to the b	est of mv kr	nowled	ge.	1	1	1	1	1	<u> </u>	1	I
	- , - , - , - , - , - , - , - , - , - ,	Juna	e mito				ieu									

Signature Firm SCS Engineers Adam Watson 2830 Dairy Drive, Madison, WI 53718

Borin	g Numb	ber	B-2	Use only as an attachment to Form 4400-1	22.		-	-	-				Page	2 of 2
San	nple									Soil	Prope	erties		-
	in) &	s	et	Soil/Rock Description										
e	Att. ed (ount	ı Fe	And Geologic Origin For			_		ion	0		~		uts
lber Typ	gth /	۲ د	th Ir	Each Major Unit	SCS	shic	gran	E E	darc	sture	it d	ticit. x	0)/
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		Ω	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
 S4	39		16	fine to coarse gravel (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)	sc				1.5	w				Refusal due to
			17						2.5					bedrock at 18.5' bgs. Dolomite bedrock at 22'
			-18	DOLOMITE (DOL), tan, white, and gray.										bgs at boring B-224C.
			-											
				Refusal, end of boring at 18.5' bgs in dolomite. Abandoned borehole with bentonite grout and bentonite chips.										

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	1 of 3
	y/Proje					License/I	Permit/	Monito	ring N	umber			Numb			
				lo. 3 (Proposed)	SCS#: 25222268.00	D (D)	11. 04	. 1					B-22		11. 11	
-		-	Name of	Crew chief (first, last) ar	id Firm	Date Dri	lling St	arted		Da	te Drilli	ng Cor	npleted			ing Method
Sco	tt Klu	mb ngine	ering S	Services, Inc.			2/8/	2023				2/8/2	023			A 4.25" ID & Core
WIUr	ique W	vell No		DNR Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat		025	Bo		Diameter
	1										06.9 I		1SL			' & 3.8"
Local	Grid Oı	rigin		timated: 🗌) or Bori		1		0			Local (
State	Plane		378,	047 N, 2,167,866		La	.t					Feet]	Feet 🗌 E
SW		of S	E 1/	,	t 7 n, r 10 e	Long		°	<u>'</u>				□ s			□ W
Facilit	y ID			County		County Co	de	Civil T		•	/illage					
				Dane		13		City	of Ma	dison	1					. <u> </u>
San	nple											Soil	Prope	erties		
	(ii) &	ţ	g	Soil/Re	ock Description											
ຼ e	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	And Geo	ologic Origin For						dtion			<u>A</u>		nts
Tyr	gth ove	C A	th L	Eacl	h Major Unit		CS	phic	l gran	PID/FID	ndar etra	Moisture Content	lit lit	ticit »x	Q	D/
Number and Type	Len Rec	Blo	Dep				U S	Graphic Log	Well Diagram		Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	Blind drilled to 22' bgs.												
				(See B-224 log for lithe	blogy from 0' to 18.5' b	gs.)										
			\mathbb{E}_2													
			Ē													
			-3													
			Εl													
			-4													
			Ę													
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			-13													
			14													
			-14													
			Εl													
			F-15													

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

Signature JMRmpm Jackie Rennebohm, PG	SCS Engineers 2830 Dairy Drive, Madison, WI 53718
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SOIL BORING LOG INFORMATION SUPPLEMENT Form 4400-122A

B-224C Use only as an attachment to Form 4400-122. 2 of 3 Boring Number Page Soil Properties Sample Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Penetration Comments Number and Type And Geologic Origin For Moisture Diagram PID/FID Standard SCS Plasticity Graphic Content Liquid Each Major Unit Limit Index P 200 RQD/ Well Log Б Blind drilled to 22' bgs. (See B-224 log for lithology from 0' to 18.5' bgs.) -16 17 E -18 -19 20 21 E 22 DOLOMITE (DL3), very pale brown (10YR 7/3) and light gray (10YR 7/1), massive, sandy, with chert nodules, dendrites, round to oval vugs, and ooids. _ 23 (Prairie du Chien Group, Shakopee Formation, _ Willow River Member). Run 30 DL3 FF=2/ft Percent -24 Recovery=67% RQD=0%, very poor Drill bit jam. E 25 E 26 DOLOMITIC SANDSTONE (DL3), yellow (2.5Y 7/8) and white 2.5Y 8/1), fine to medium sand, poorly FF=7.5/ft Percent Recovery=36% RQD=0%, very Run 8 sorted, massive, cemented with dolomite and chert 27 2 clasts, oolithic, with green (glauconite) clay. (Prairie du Chien Group, Shakopee Formation, New poor 28 Richmond Member) 29 E 30 E -31 Run 13.5 Percent Recovery=7% RQD=0%, very 32 3 poor DL3 33 34 E 35 _ 36 E Run 4 Percent -37 RQD=0%, very 38 39 Run 8 Percent Recovery=31% 5 40

Boring	g Numl	əer	B-2	24C Use only as an attachment to Form 4400-	122.								Page	3 of 3
San										Soil	Prope			
	%	ţ	et	Soil/Rock Description										
r Se	Att. red	oun	n Fe	And Geologic Origin For	s	0	8		d	8 -		ty		onts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Each Major Unit	SCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Nu	Le ¹ Re	Blc	De		ñ	Grap Log	Well Diagr	IId	Sta Peı	ĭ S	Ľ Ľ	Pla Inc	P 2	
H														RQD=0%, very poor Drilling fluid is gray
Run			-41	DOLOMITIC SANDSTONE (DL3), yellow (2.5Y										fiuld is gray
	20		E .a	7/8) and white 2.5Y $8/1$), fine to medium sand, poorly										FF=4.8/ft
6			-42 -	sorted, massive, cemented with dolomite and chert clasts, oolithic, with green (glauconite) clay.										Percent Recovery=43% RQD=0%, very
			-43	(Prairie du Chien Group, Shakopee Formation, New Richmond Member)	DL3									poor
			E	,										
_			-44 											
			-45											
Run	6.5		-46	End of boring at 46' bgs in dolomitic sandstone.			-							FF=9/ft Percent
7	0.5			Abandoned borehole with bentonite grout and bentonite chips.										Recovery=33% RQD=0%, very
														poor
L														
I	I	I	1	1	1	I	I	I	I	I	I	I	I	I

Route To:

Watershed/Wastewater Remediation/Redevelopment

Waste Management Other

SOIL BORING LOG INFORMATION Form 4400-122

Rev. 7-98

															Page	l of l	
	y/Proje					License/I	Permit/	Monito	ring N	umber			Numb C -9	er			
Dane County Landfill No. 3 (Proposed) SCS#: 25222268.00 Boring Drilled By: Name of crew chief (first, last) and Firm							Date Drilling Started Date Drilling								D11	ing Mathad	
Scott Klumb							Date Drilling Started Date D						inpieted		Drilling Method		
			neerin	g Services, Inc.		2/19/2024						2/19/2	2024		D	Direct Push	
	nique W			DNR Well ID No.	Final Static Water Level Surface E								orehole Diameter				
													1SL		2.3 in.		
Local Grid Origin (estimated:) or Boring Location							Lat Loca						cation				
State Plane 379,016 N, 2,168,386 E S/C/N												Feet			Feet E		
SW		of SI	5 1	/4 of Section 25,	t 7 n, r 10 e	Long		 Civil T		ity/ or 1	Villaga		S			□ W	
						13	idison	•									
San	nple			Dane		15						Soil	Prope	ortion			
San	-			G. 11/7												-	
	Length Att. & Recovered (in)	nts	Depth In Feet		Rock Description						2					10	
er ype	h At erec	Blow Counts	ГП		eologic Origin For		S	iic	E E		ard	nt	-	Plasticity Index		RQD/ Comments	
Number and Type	engtlecov	MO	epth	Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Index	200	D/U	
an N	L X	BI	Ă				⊃ ol	5 J		I d	St Pe	ΣŬ	ΕĒ	Pl In	<u> </u>	~ చ ర	
				ORGANIC SILT (OL), dark brown (10YR 3/ h roots, (Topsoil)	3),	OL	N W. N									
			-1	LEAN CLAY (CL), d	ark yellowish brown (1	0YR	<u>R</u>										
			E	3/4), mostly silt with c massive. (Loess)	elay, some fine sand, col	hesive,	e,										
S1	29		-2	massive. (Locss)			CL				2.5	M	42	24	65.9	Collected	
			E, I													samples from: 0-0.25',0.25-2', 2-4', 4-7.5',	
			-3													7.5-8'.	
			-4						-								
				Grades to CLAYEY S	AND (Loess grading to	o till)											
			-5														
			E				SC										
S2	18		-6									M	24	13	33.3	P200, LL and PI taken from 2-4'	
																and 4-7.5' respectively	
			-7													respectively	
	-		-8	SILTY GRAVEL (GN	(mostly dolomite). (Wea	small to	GM	e Ke	-								
			, in the second	Dolomite Bedrock)	(mostry dolomite). (wea												
				End of boring at 8' bg	s in weathered dolomite	bedrock.											
				Abandoned with bento	onite chips.												
								1		1	1	1	1		1		

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

Signature	A. 11/17	the	Firm SCS Engi	neers	
	Mym	Ryan Matzuk	2830 Daii	y Drive, Madison, WI 53718	608-224-2830

State of Wis., Dept. of Natural Resources SCS No. 25222268.00 dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report Page 1 of 2

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

			Γ	Route	to DNR Bureau:										
Verification Only	of Fill and	d Seal		Drinking Water Watershed/Wastewater Remediation							tion/Redevelopment				
				ΧW	aste Manageme										
1. Well Location Inform						2. Facility	/ Owner Inf	ormation							
County	WI Unique V Removed V		f H	icap #		Facility Name									
Dane	Removed v	Vell			C-9	Dane County Landfill No. 3 (Proposed)									
Latitude / Longitude (see in		Format C	ode	Method Code	–Facility ID (FID or PWS)										
	~	N		C	GPS008	License/Permit/Monitoring #									
	w		MC	SCR002	License/Permit/vionitoring #										
4/14 SW 14 SE Section Town															
or Gov't Lot #				07 N	10 🗍 w	Dane County Department of Waste and Renewables									
Well Street Address						Present Wel				weblee					
7101 US Highway 12	& 18							ment of Waste	and Rene	wables					
Well City, Village or Town					ZIP Code	-	ress of Preser nt Energy C								
Madison, WI				537		City of Prese			State	ZIP Code					
Subdivision Name				Lot #		Madison			WI	53713					
Reason for Removal from S	Service	WI Unio	ue Well #	# of Re	placement Well	4. Pump, Liner, Screen, Casing & Sealing Material									
Temporary Borehole						Pump and	d piping remov	ved?		Yes 🗌 No	X N/A				
3. Filled & Sealed Wel	I / Drillhol	e / Boi	ehole l	nform	ation	Liner(s) re				Yes 🗌 No	X N/A				
Monitoring Well	Original Construct				(mm/dd/yyyy)	Liner(s) perforated?									
Water Well			02/19/2024			Screen removed? Yes No X N/A Casing left in place? Yes No X N/A									
			n Repo	ort is available,					Yes No	X N/A					
X Borehole / Drillhole	plea	ase atta	ch.			Was casing cut off below surface? Yes No N/A Did sealing material rise to surface? Yes No N/A									
Construction Type:			Г	7-			ial settle after		8	Yes X No					
	Driven (Sand	ipoint)	L	Dug	3		, was hole ret		H.	Yes X No					
Other (specify): Dire Formation Type:	CLFUSH					If bentonite chips were used, were they hydrated									
X Unconsolidated Forma	ation		Bedroo			with water from a known safe source?									
Total Well Depth From Gro		(#) (Casing Di		(in)	Conductor Pipe-Gravity Conductor Pipe-Pumped									
8			NA	ameter		Screened & Poured									
o Lower Drillhole Diameter (ii	n)		Casing D	enth (ft)		nite Chips)		Sidiri)						
		I	-	eptii (it	.)	Sealing Materials Neat Cement Grout Bentonite Grout									
2.3			NA			Neat Cement Grout Bentonite Grout Sand-Cement (Concrete) Grout Sentonite Chips									
Was well annular space gro	outed?		Yes	× No	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:									
If yes, to what depth (feet)? Depth to Wate						Bentonite Chips Bentonite - Cement Grout									
NA		NA				Granul	ar Bentonite	Bente	onite - Sand	Slurry					
5. Material Used to Fill Well / Drillhole							To (ft.)	No. Yards, Sacks Volume (circl		Mix Rat Mud We					
3\8" Bentonite Chips						Surface	8	15 lbs							
6. Comments		and the second													
Boring C-9 7 Supervision of Wor	L								DNR IIse	Orthe					
Supervision of Wor	K								LINK LICA	CIDIV	AND A CONTRACTOR OF A				

Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing or Verification Date Received Noted By (mm/dd/yyyy) 02/19/2024 Soils & Engineering Services, Inc. Street or Route Telephone Number Comments 1102 Stewart St. (608)274-7600 ZIP Code City State Signature of Person Doing Work Date Signed Madison WI 53171 02/19/2024