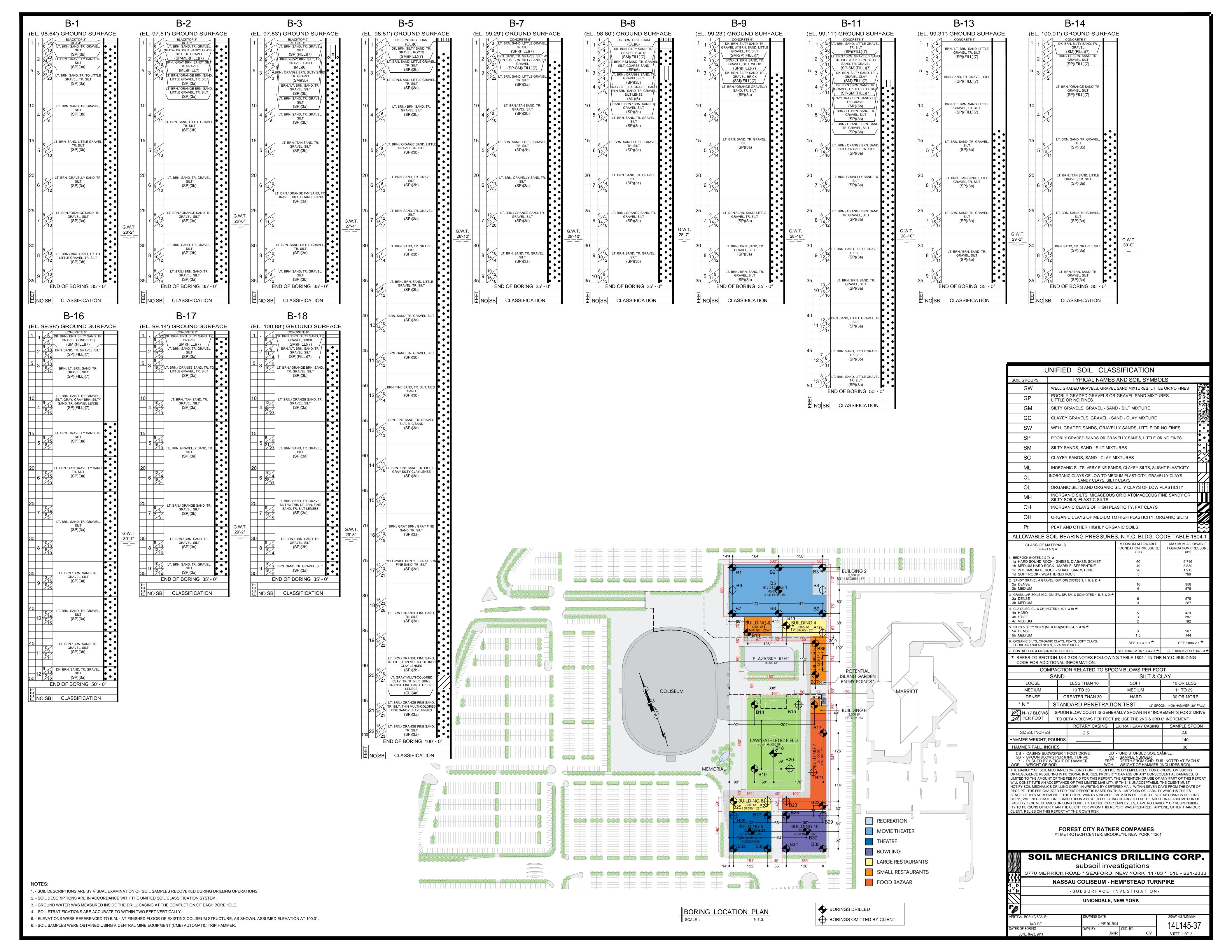
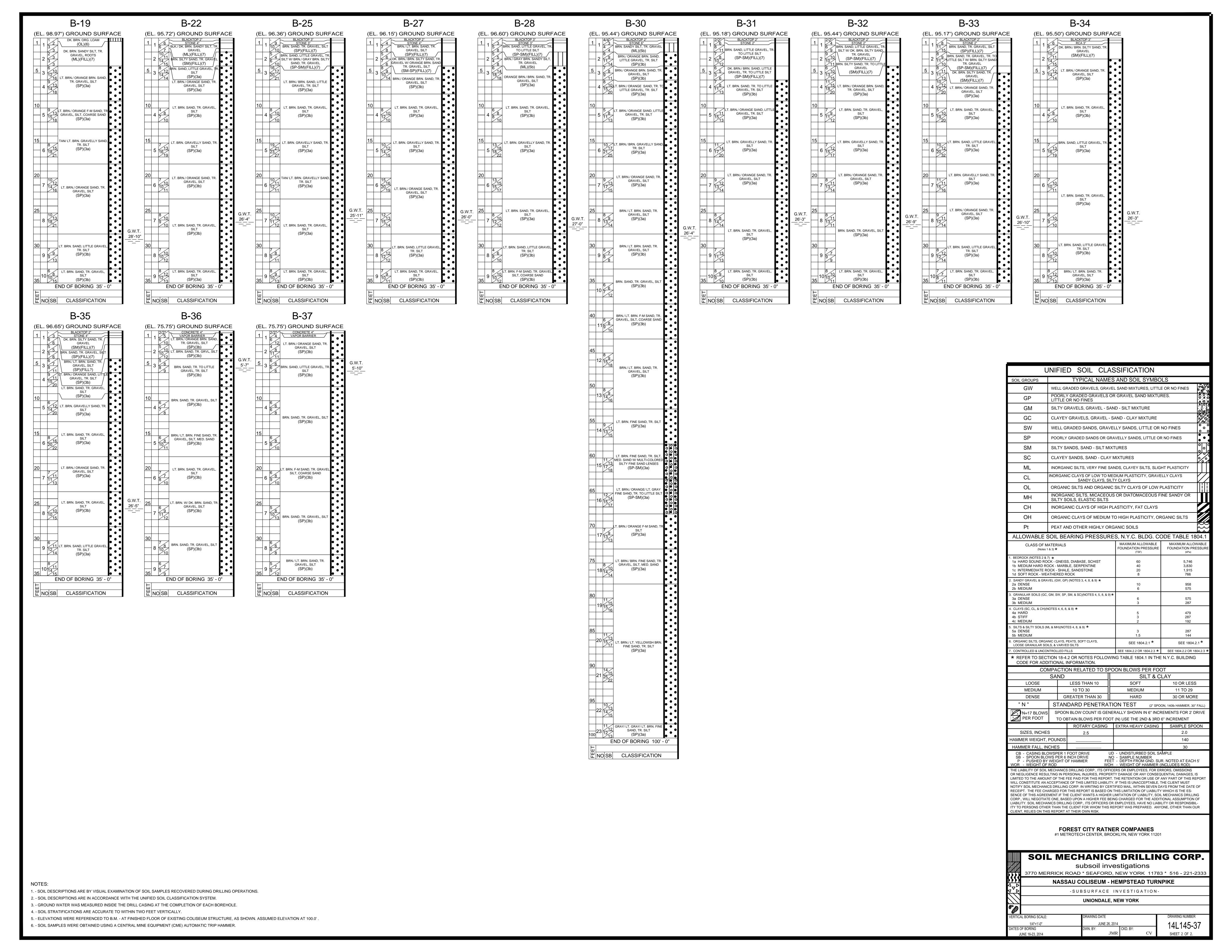
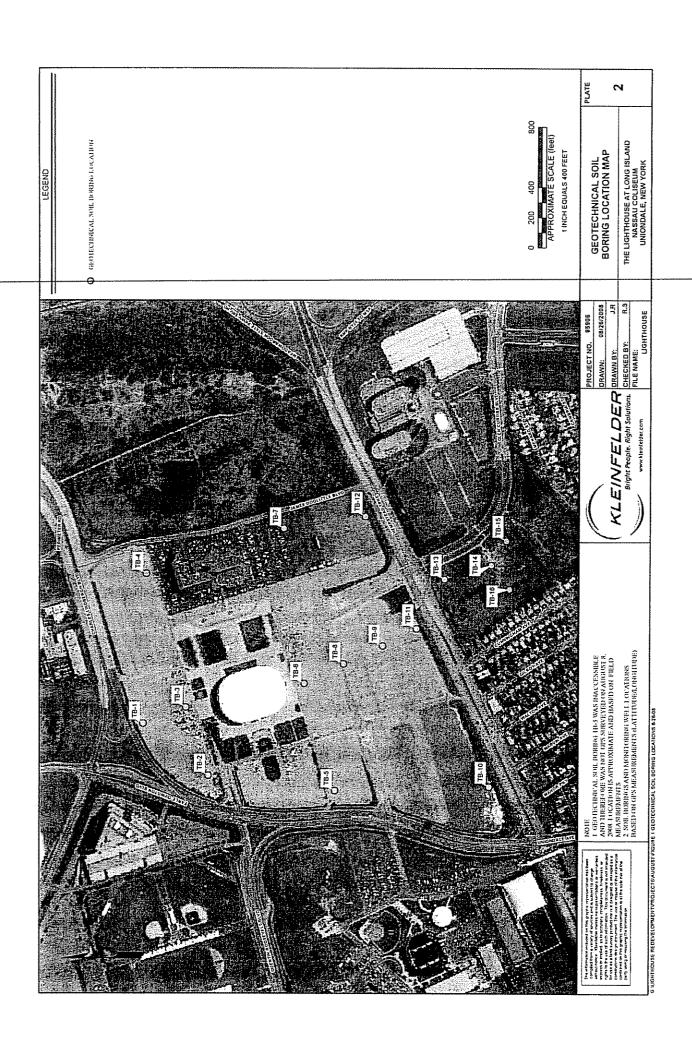


## Appendix 3.1-1

Soil Mechanics Drilling Corp. Soil Borings









## **APPENDIX A**

## **TEST BORING LOGS**

Location: Groundwater (f	Nassau Coliseum,					e Starte e Comp			14/200 14/200		
Drilling Compar		Equipment:	CME-85		Log	ged By:	:	Ma	ark Ge	elband	
Hole Diameter	***************************************	Drilling Method:	HSA			- ,			- "		***************************************
Hammer Type:	Automatic		***************************************		Tota	al Depti	n (ft):	35	.0		
, , , , , , , , , , , , , , , , , , , ,		***************************************			FIELD	·····	T		LABC	DRATO	RY
eet)		DESCRIPTION	***************************************	rvai	,_ 📆	rt)			×	(%	
Elevation (feet) Depth (feet) Graphical Log	1	face Elevation (ft): Not Prov ace Condition: Pavement	vided	Sample interval	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	Additional Remarks
-	FILL: Poorly graded S/ yellow-brown, moist	AND w/silt and gravel (SF	-SM), brown to		Pre-cleared	GRAB				+6	<b>4.</b> II
<del> </del>				₩.	P	0040					
					Pre-cleared	GRAB		1			
5-	XXXXXXX				14 13 11 12	SPT		 			Recovery
	Silty SAND w/gravel (S	SM), orange-brown, moist	, dense	7	31 17 15 14	SPT	3	1		24	Recovery
10-	Well graded SAND w/g dense	gravel (SW), orange-brow	n, maist. med		18 14 13 15	SPT		  -  -  -			Recovery
					6 11 11 13	SPT		1			Recovery
15-					·			! ! !			
	Well graded GRAVEL moist. med dense	w/sand (GW), light brown	to brown,		13 15 13 18	SPT			1		Recovery
20-00								1			
25 0					22 12 9 9	SPT				***************************************	Recovery
9707/67/0	Poorly graded SAND (\$	SP), brown, moist to wet,	med dense					 			
30					24 12 16 18	SPT	White the second				Recovery
audicenture.								1			
30 30 angre 230 50 50 50 50 50 50 50 50 50 50 50 50 50	<u>  \( \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}</u>				5 9 10 7	SPT	- Adding to the second	1			
35	Boring Terminated at 35	5.0 ft.									BORI
1	KLEINFELDER				NG L						TB-
Drafted By: Date: A	NRW Project Number		The Li	ghth	ouse at Lo	ng Is	land				! LJ_
Date: A	ugust 21 959	08								- 1	Sheet 1

Location Ground	ı; water (ft):		sau Coliseum, U al (≩): 33.0 feet v						te Starte te Comp			14/20 14/20		
l	Company:	ADT		Equipment:		CME-85		Log	ged By:	:	M	ark G	elband	
1	ameter (in)	3.25	)	Drilling Meth	nod:	HSA		***************************************	•		********	···		
Hamme	r Type:	Auto	omatic					Tot	al Depti	ר (ft):	35	5.0		
							T	FIELD				LAB	ORATO	RY
_				DESCRIPTION								,		<u> </u>
Elevation (feet)	. 8 -						Sample Interval	vai.	e	_		Plasticity Index	Passing #200 Sieve (%)	
Elevation (fe	Graphical Log			te Elevation (ft): Not		ed	<u>=</u>	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limil	==	jeve	<u>iā</u>
evat th	aph		Sunac	e Condition: Paverr	nen!		μğ		mple	istur nten	uid l	- Istici	ssinic 30 S	Additional
	(	CHI. D-			4)		⊸ ‱	Pre-cleared	GRAB	≱ိပိ	<u> </u>	L E	Pa #2(	Ϋ́
		yellow	ony graded SAN r-brown, moist	ID w/gravel (SP-SN	vi), brov	vn to		Fre-ciealed	GRAD			<b> </b>		
		<del></del>										 		
	****							Pre-cleared	GRAB			 		
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5-		Well grad	ded GRAVEL w	sand (GW), brown	. moist	med dense	_	14 8 7 9	SPT		:		4	Recover
	1503										İ			
		Well grad	ded SAND w/gra	ivel (SW), orange-t	orown t	o brown,		15 18 12 14	SPT		į			Recover
	<u> </u>	moist.	ucuse to med. (	161 I26							1			
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	1,79		ied GRAVEL w/	sand (GW). light br	own, π	oist. med		8 7 9 11	SPT		1			Recovery
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-	- 										1			
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		Poorly are	aded SAND w/ o	ravel (SP), brown.	wat for	356	_	4357	SPT		1			Recovery
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	KL	EINFE	ELDER			D/	<b>\D</b>			<b>C</b>				J. (1
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	y:	NRW F	Project Number:			Thei	iahth	iouse at Lo	and la	land			- 1	"עוו

Location: Groundwater (ft):	Nassau Coliseum, Un Initial ( $\frac{\nabla}{2}$ ): 33.0 feet wh					Starte Comp		********	14/20 14/20		
Drilling Company:	ADT	ille anlling. Equipment:	CME-85			ed By:				elband	····
Hole Diameter (in):		Drilling Method:	HSA	~**********		,	1				
Hammer Type:	Automatic				Tota	il Depti	n (ft):	35	.0		
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	ľ	DESCRIPTION	:	$\vdash_{\top}$	, 1440	<u> </u>			LABO	T	IX I
set)				Zal	<u>0</u>	9			EX.	(%)	
Elevation (feet) Depth (feet) Graphical Log	Appx Surface	Elevation (ft): Not Provided	t	Sample Interval	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	9,6	70 LA
vatíc pth (	Surface	Condition: Pavement		edu		nple	stura	Ji Dit	slicit	sing 0 Si	iition nark
				Sar	BIO Per		Q Q	Ĺġ	D.	Passing #200 Sieve (%)	Additional Remarks
<b>:</b>	FILL: Silty SAND w/gravel moist	(SM), dark brown to yell	ow-brown.		Pre-cleared	GRAB					
				₩			<u> </u>				
				<b>-</b>	Pre-cleared	GRAB					
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	Well graded SAND w/grav	el (SW), brown. moist. m	ed dense	A I	12 8 9 11	SPT					Recovery =
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10-					-v 19 14 14	or I		i			necovery =
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1				-	13 15 17 14	SPT					Recovery ≈
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<b>1</b>	Well graded SAND w/grav	el (SW), black to brown, r	noist, med		48 11 14 17	SPT		1			Recovery =
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'	Poorly graded SAND (SP).	brown, moist med dens	e		19 10 10 15	SPT		1			Recovery = 2
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<u> </u>	7 Well graded SAND w/grav	ol (CIAN begge und ====	danaa	-	WOH 7 6 9	SPT		1			Pagginer - '
	THE BIRDER SAIND MIGITAL	ei (Svv), blown, wet, med	neu96			Jr 1		1		-	Recovery = 2
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KI	EINFELDER					_					BORIN
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Drafted By:	NRW Project Number:		The Ligi	hth	ouse at Lo	ng Is	land				TB-
•	ust 21 95908		•			-				1	Sheet 1 of

Location: Groundw		Nassau Coliseum, Initial (♀): 28.0 feel					e Starte e Comp			14/20 14/20		
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-	meter (in):		Drilling Method:	HSA						00	14	
Hammer		Automatic				Tota	ıl Depti	n (ft):	35	.0		
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Elevation (feet) Depth (feet)	Graphical Log	Appx Surf	ace Elevation (ft): Not Provid	led	Sample interval	Blow Counts per 6" Interval	Ѕатрlе Туре	(%	7	Plasticity Index	Passing #200 Sieve (%)	_
atior h (fe	1 in 1		ace Condition: Pavement		pje i	S. III	e J	lure	1	ici t	Siev	iona
Elevation (fe Depth (feet)	ga				Sam	alow ser 6	Sam	Moisture Content (%)	Liquid Limil	last	<sup>2</sup> assi #200	Additional
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5 <del>-</del>		ms 2 h / m			_ ₩	45 40 41 11						**-
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		Boring Terminated at 35	ν υ α. 	·····				····			т	
	KI	EINFELDER				-		_				BOF
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Drafted By	/: I	NRW   Project Numbe	r.	The Li	ighth	ouse at Lo	ng Is	land				TB
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Location		Nassau Coliseum		***************************************			e Starte e Comp			13/200 13/200	***************************************	
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						Pre-cleared	GRAB					
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Drafted By	/:	NRW Project Numb	ег:	The L	ightho	ouse at Lo	ong Is	land				יט
Date:	Augu	ıst 21 95	809									Sheet

Loca				sau Coliseum,						ite Starte ite Comp			13/20 13/20		
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		neter (in)				rilling Method:	HSA			UJ	-	1944			·····
Hami	mer -	Туре:	Auto	omatic					To	tal Dept	h (ft):	_35	.0		
					DESCE	LIPTION			FIELD		<u> </u>		LABO	ORATO	RY
(eet)		60-	***					er al	ts val	e e			dex	(%)	
Elevation (feet)	Depth (feet)	Graphical Log				lion (ft): Not Prov ion: Pavement	đed	Sample Interval	Blow Counts per 6" interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	Additional
<u> </u>	<u></u>		Silty GR	AVEL w/sand	(GM), bro	wn. moist		Sar	Pre-cleared	GRAB	Ğ Ğ	ij		Pas #20	Add
·····			~~~~		www.								) 		
	**************************************	4 - VI		raded SAND w I. med dense t		SP), brown to ligi	nt brown, maist		Pre-cleared	GRAB	3		<b>!</b>   	16	
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Location:	Nassau Coliseum, Ui			······································		Starte Comp			31/200 31/200	************	***************************************
Groundwater (ft): Drilling Company:	Initial (≦): 28.0 feet w	nile anling. Equipment:	CME-85			ed By:			ark Ge		
l .		··········	HSA			geu by.		148		:Daira	
Hole Diameter (in)	Automatic	Drilling Method:	110/1		Tota	ıl Depth	/ <del>0</del> \-	35	i n		
riairiinei Type.	Auomasc		······		i Ote	n Debu	i (11),				
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E   E				Sample Interval	<u> </u>	9			ě	Passing #200 Sieve (%)	
Elevation (feet) Depth (feet) Graphical Log	Appx Surfac	e Elevation (ft): Not Provid	led	율	Blow Counts per 6" interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Š	m
		Condition: Pavement		8	3 =	, ejc	a iii	j	ig.	Sign	iona
leva rapi				E	ar 6	i iii	onte	-gi	asti	385	Additional Remarks
				100	88	ιχ	Σહ	ت	죠	正雅	₹₫.
	FILL: Silty SAND w/grave loose	el (SM), dark brown to br	own, moist,	333	Pre-cleared	GRAB			!		
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GEO 95500 BORING LOGS. GPJ slawless@kleinfelder.com 8/29/2008	EINFELDER		DA		ING I		C				
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13	NRW Project Number:		The Lig	ghth	nouse at Lo	ong Is	land			l	ID-
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ற் Date: Aug	ust 21 95908	•								1	Sheet 1 of

Location: Groundwate	r (ft)·	Nassau Coliseum, Initial (掌): 28.0 feet					e Starte e Comp			3/200 3/200	·····	····
Drilling Comp		ADT	Equipment:	CME-85			ged By			rk Gel	************	*****
Hole Diamet	er (in):	3.25	Drilling Method:	HSA							•••••••••••••••••••••••••••••••••••••••	
Hammer Typ	e:	Automatic				Tota	al Dept	n (fl):	35.	0		
						FIELD	,			LABO	RATO	RY
<u> </u>	_		DESCRIPTION							×	-(-	
Elevation (feet) Depth (feet)	Graphical Log	Appy Serf	ace Elevation (ft): Not Prov	uided	Sample Interval	ints erval	уре	(%)	ı i	Inde	/e (%	_
Elevation (fe Depth (feet)	25		ace Condition: Pavement	naea	ple (r	Cou	T alc	lure ent (	5	icity	Sie	iona
Elev Depl	graph Crap				Sam	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	Additional Remarks
		FILL: Silty SAND w/gra	ivel (SM). light gray-brow	n. moist		Pre-cleared	GRAB					
<b>├</b>	₩_				- 💥		ļ		<del>-</del> 1			
1000	***	Well graded SAND w/g	ravel (SW), orange-brow	n to light	-₩	Pre-cleared	GRAB					
		brown, moist, med c	lense lo dense	-					1			
5-1:3						10 9 10 12	SPT		i			Recovery
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		dense	rgiave: (SE), blowii, MOIS	or 10 Mer' Wed		(E 17 10	UI S		1			Newvery
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	$\nabla$								1			
						6 6 7 12	SPT		1			
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	KLE	INFELDER		D <i>f</i>	)D	ING I	^	<b>^</b>				
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Date:	Augus		08								1	Sheet 1

Location		***************************************	sau Coliseum, I	***************************************					te Starte te Comp			2/20 2/20		
Groundv Drilling C			l (♀): 28.0 feet	while drilling. Equipme	ent:	CME-85			ged By				elband	
Hole Dia	meter (in)			Drilling N		HSA					******			
Hammer	Туре:	Aulo	matic					To	al Dept	h (ft):	35.	.0		
								FIELD			r · · · · ·	LABO	DRATO	RY
1 (feet)	al Log	······	Appx Surfa	DESCRIPTION  tce Elevation (ft):		led	Interval	unts terval	Туре	(%)	 	Index	ve (%)	<del></del>
Elevation (feet) Depth (feet)	Graphical Log			ce Condition: Pa			Sample Interval		Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	Additional
		FILL: Silt med c		vel (SM), brown	to gray-br	own. moist.		Pre-cleared	GRAB		i			
								Pre-cleared	GRAB		1			
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								7 12 12 11	SPT					Recover
15-											]         			
20-		Well grad	ded GRAVEL v	ı/sand (GW), br	own, mois	t. dense	A	20 13 25 60	SPT		1			Recover
		D'						8 9 9 11	SPT		1			Recover
25 -		Poony gr dense		gravel (SP), bro	wii. MOSE	io wel, med.	À	0 0 0 11	U, I					, verovel
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35-	<u> </u>	Boring Te	rminated at 35	0 ft.					1	<u> </u>				
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Date:	Aug	just 21	9590	8										Sheet 1

Location	n: water (ft):	Nassau Coliseum,					e Starte e Comp			12/20 12/20		
i	Company:	Initial (ਵ): 28.0 fee ADT	Equipment:	CME-85			ged By:		M	ark Ge	elband	······································
	ameter (in)	: 3.25	Drilling Method:	HSA		***************************************					······································	***************************************
Hamme	г Туре:	Automatic				Tota	al Depth	n (ft):	35	.0		·····
						FIELD				LABO	DRATO	RY
(feet)	Eo.J	tanda harringa kanana kanana kanana kanana kanana kanana kanana kanana kanana kanana kanana kanana kanana kana	DESCRIPTION		erval	its vai	ed	(5	.1	хәрі	(%)	
Elevation (feet)	Graphical Log		ace Elevation (ft); Not Providece Condition: Pavement	ied	Sample Interval	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	Additional Remarks
		FILL: Silty SAND w/gra	vel (SM). yellow-brown. m	oist		Pre-cleared	GRAB					
						Pre-cleared	GRAB					
5-		Poorly graded SAND w	/gravel (SP). orange-brow	n moist loose	_	6 3 5 13	SPT	2	1		32	Recover
	<u> </u>					13 11 12 17	SPT					
		dense	ravel (SW), orange-brown		A							Recovery
10-		dense	/gravel (SP). orange-brow			8 8 10 11	SPT					Recovery
		Well graded SAND w/g moist, med dense	ravel (SW). orange-brown	to brown.					 			
						11 9 10 11	SPT		1			Recovery
15-									   			
						5 8 14 22	SPT		 			Recovery
20-					A							•
									! ! !			
		Poorly graded SAND w dense	/gravel (SP), light brown, r	noist. med		8567	SPT					Recovery
25									1			
ZirZiri wa zirziri	<u> </u>	/				1.5			   			_
0.000 30-		roony graded GRAVEL	. w/sand. brown. wet. loos	3		4 5 4 10	SPT		1			Recovery
awiess@K								-	;     			
18. (4p.) (2p.)		Well graded SAND w/g	ravel (SW), light brown. we	et. med		16 6 7 9	SPT	***************************************	<b>!</b>			Recovery
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Location: Groundwater (ft):	Nassau Coliseum, L Initial (♀): 28.0 feet v			*********		Starte Comp			2/2008 2/2008		
Drilling Company:	ADT	Equipment:	CME-85		Log	ged By		Ма	rk Gelt	pand	
Hole Diameter (in):	3.25	Drilling Method:	HSA							**********	
Hammer Type:	Automatic	<u> </u>			Tota	l Depti	h (ft):	35.	0		
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		DESCRIPTION		_				!	J		
(feel				Herve	nts	/pe	(9)	_	Lidey.	%) e	
ical (fee		ce Elevation (ft): Not Provi e Condition: Pavement	ded	e	Cour	le T,	Jre nt (%	Ë	TA:	Sieve	onal rks
Elevation (feet) Depth (feet) Graphical Log	521740	. January Caronnell		Sample Interval	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticity Index	Fassing #200 Sieve (%)	Additional Remarks
	FILL: Silty SAND w/grav	el (SM), brown to light br	own, moist	-   ×	Pre-cleared	GRAB	20	7	D. C	L #±	<b>₹</b> £
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					Pre-cleared	GRAB	1		***************************************		
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	most, med dense to	uci (ac							1		
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1 624	Well graded GRAVEL w	/sand (GW), light brown,	moist. dense		12 14 16 15	SPT		1			Recovery
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3.0.4								!	***************************************		
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	Well graded SAND w/gra	avel (SW), brown, moist,	med dense		11 10 12 11	SPT					Recovery
25								1			
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5 35 15 5 15 5 15 5 15 5 15 5 15 5 15 5	Boring Terminated at 35 (	) ft.			<u></u>		<u>1</u>	L			······
GEO 95900 BORING LOGS GPJ stawless@Neinfelder.com 8/29/2008					7,	··				П	BORII
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🖺 Date: Augu	st 21 9590(	3								- 1	Sheet 1

Location	ı: water (ft):	Nassau Coliseun Initial (≌): 28.0 fe					e Starte e Comp			31/20 31/20		******
į.	water (11): Company:		et while drilling. Equipment:	CME-85	······································		ged By		**********	***************************************	elband	
Hole Dia	meter (in	): 3.25	Drilling Method							***************************************		
Hamme	Туре:	Automatic				Tot	al Depti	h (ft):	35	0.0		
			DESCRIPTION		<u> </u>	FIELD	7		1	LABO	DRATO	RY
in (feet)	al Log	Appx Su	orface Elevation (ft): Not Pi	rovided	interval	unts terval	Туре	(%)	Ē	'Index	ve (%)	<del></del>
Elevation (feet)	Graphical Log		Surface Condition: Grass		Sample Interval	Blow Counts per 6" interval	Sample Type	Maisture Content (%)	Líquíd Límil	Plasticity Index	Passing #200 Sieve (%)	Additional
		FILL: Topsoil and Silt brown, moist	y SAND w/gravel (SM).	dark brown to light		Pre-cleared	GRAB			 		
5-						Pre-cleared	GRAB					
,-			w/ gravel (SP). brown. π			12 5 4 3	SPT					Recove
		loose	w/silt (SP-SM). orange-t	· · · · · · · · · · · · · · · · · · ·		4647	SPT		     			Recover
10-		Poorly graded SAND dense	w/gravel (SP), orange-bi	rown, moist.		7 14 17 14	SPT		 			Recover
15-		Well graded SAND w	/gravel (SW), brown, mo	ist. med dense		30 4 10 20	SPT			4444		Recover
20-	To a control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the c	Poorly graded SAND to wet. med dense	w/gravel (SP). brown to l	light brown. moist		7 9 10 10	SPT		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Recovery
25-						17 12 13 14	SPT		# # # # # # # # # # # # # # # # # # # #			Recovery
30-		Z				7 8 8 12	SPT					Recovery
35-		Well graded SAND w/	gravel (SW), light brown	. wet. loose		7 5 5 7	SPT	***************************************		A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		Recovery
	V	LEINFELDER	o u H				······································					BORI
Drafted By		NRW Project Numb	ег.			ING I						TB-
Date:	Aug	ust 21 959	908									Sheet 1

Location: Nassau Coliseum,						ale. NY			Dal	e Starte	ed:	7/:	30/20							
G	roundw	/ater (ft):	*****	nitial (≌): 28.0	***************************************				Dal	e Comp	oleted:	7/:	30/20	08						
1		ompany	****	ADT		Equipment:	CME-85		Log	ged By:	:	Ma	ark G	elband						
1		meter (ir	.,	3.25		Drilling Method:	HSA													
H	ammer	Туре:	_/	Automatic					Tot	al Depti	n (ft):	35	5.0							
				7		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			FIELD				LABO	DRATO	PRY					
					DESC	CRIPTION				T			Ī	T -						
Elevation (feet)	~	go-		***************************************				Sample Interval	ž s	60	_		i a	(%)						
) E	Depth (feet)	Graphical Log				ation (ft): Not Provi	ded	) E	ount nter	Sample Type	8	Œ,	Plasticity Index	- eve	s <u>a</u>					
vafi	H	jhqe		S	iurface Cond	dition: Bare Earth		lgt <sub>l</sub>	2 . 0 . 1 .	l ble	stur	Liquid Límil	1 5	sing 0 Si	iiion aark					
Elle	De	5						Sar	Blow Counts per 6" Interval	San	Moisture Content (%)		i m	Passing #200 Sieve (%)	Additional Remarks					
					I SAND w/s	ilt and gravel (SP-	SM). brown.		Pre-cleared	GRAB			 							
				oist ———		······································		₩		ļ			<u> </u>	ļ						
	-		<b>E</b> 11 : ·	Candu SII Tu	Jarnual (MI	.), yellow-gray, mo	·i-t	₩	Pre-cleared	GRAB			!		-					
			I ILL.	. Garloy GILT V	wgraver (wit	.), yellow-gray, mc	nst		, ie-viearea	GIVAD										
	 	****						₩							-					
	C	¥	Well	graded SAND	w/silt and g	ravel (SW-SM). bi	rown. moist.		1117	SPT					Recovery = 6* .					
	7	14.14.	ve	ry loose				A					l i							
	-		Poorl	y graded SAN	D w/gravel	(SP). brown to ora	nge-brown.		8 9 9 12	SPT	4			1	Recovery = 19"					
	-		mo	oist, med dens	e to dense	` ,	•	A												
	-								1 23 9 13	SPT		Ì			Recovery = 16*					
	10-	,						A												
	-											j			_					
	-	,										1								
	_								10 44 45 40	- DDT		1								
	1								18 11 15 19	SPT		1			Recovery = 15*					
	15-							-				1								
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			,									ĺ			-					
	1	167.5	Well	graded GRAVI	EL w/sand (	(GW). brown, mois	st, dense	A	19 18 18 19	SPT		}			Recovery = 8"					
	20-	1						A				1								
	]	D02						П				i			•••					
	]	[00]										1								
	}	송일										į	İ		_					
	7					W). orange-brown	to brown.		23 7 9 11	SPT		1			Recovery = 13"					
	7		mo	ist to wet, med	dense			A				l I			_					
	25-											i								
	4	;;;; <u>;</u>										1			-]					
	4		7								***************************************	į	ĺ		-]					
	-		<u>Z</u>						8 8 10 9	SPT		1			Recovery = 2"					
	-								0 0	- '		ļ			necovery - 2					
	30-											1								
	1											1								
	1											1								
	4								20.00			J								
	4								20 6 8 7	SPT					Recovery = 22"					
	35	<u>:::::1</u>	<u> </u>	. +	0505		777													
<u> </u>		<del></del>	Round	Terminated a	1 35 U It.															
															BORING					
		K	LEIN	FELDER	?		D/	D	ING I	^	<b>(2</b>				]					
			· · · · · · · · · · · · · · · · · · ·												TB-13					
Draf	fted By:		NRW	Project Num	nber:		The L	ighth	ouse at Lo	ng Is	land				10-10					
Date	9:	Aug	ust 21	9	5908										Sheet 1 of 1					
Coovrio	ht Kleinfe	ider inc :		****																

Location: Groundwater (ft):	Nassau Coliseum, Uniondale, N Initial (₹): 23.0 feet while drilling				Starte Comp	ed: oleted:		31/200 31/200		
Drilling Company: Hole Diameter (in Hammer Type:	ADT Equip	oment: CME-85 g Method: HSA		Logg Total	ed By: Depth				lband	
				FIELD	- OP 0	· (,.				
	DESCRIPTI	ION		LIEED			I	T	RATO	PKY
Elevation (feet) Depth (feet) Graphical Log			<u>\$</u>	<u> </u>	۵		l 1	ě	Passing #200 Sieve (%)	
Elevation (feet Depth (feet) Graphical Log	Appx Surface Elevation		Sample Interval		Sample Type	8	Ē	Plasticity Index	eve.	<u> </u>
vati	Surface Condition:	Bare Earth	liple (	5 <u>-</u>	pje.	sture	- 2	ğ	Sing	ition
			Sar	Blow Counts per 6" Interval		Moisture Content (%)	Liquid Limit	Plas	Pas #20	Additional Remarks
l -	FILL: Silty SAND w/gravel (SM), brow	wn to yellow-brown, moist	Pre-	-cleared	GRAB		ļ			
	AND AND AND AND AND AND AND AND AND AND		—₩—				<del></del>			<del></del>
<del> </del>	FILL: Poorly graded SAND w/silt (SP	-SM). red-brown. moist	Pre-	cleared (	GRAB		1 !			
							1			
5	Mall aradad CAAS	• 1	₩				1			_
1000	Well graded SAND w/gravel (SW), bi	rown, moist, med dense		19 5 7	SPT		1			Recovery :
<u> </u>	Poorly graded SAND (SP), light brow	m moist done	12 1	7 20 21	SPT		ĺ		-	Da
] ]	t doiny graded amin'd (arr), light brow	ni. moist. dense	13 1	20 21	JF1		į			Recovery =
<u> </u>	Well graded SAND w/gravel (SW). lig	int henwe to honer moist	5 13	11 12	SPT		1			Recovery =
10-1:::::	med dense	grit drower to blower. Moist.		· · · · · ·	ŭ. ,					Recovery -
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			20.6	13 17	SPT		1			Recovery =
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15-							į			
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							1			
			9 12	12 10	SPT		į			Recovery =
			A				1			,
20							 			
							1			
1000	7				l		i			
	Well graded SAND w/silt and gravel (	SW-SM). brown. wet.	18 7	9 12 5	SPT			l		Recovery =
	med dense						†			
25							į			
							1			
							1			
			5 7	8 10 5	SPT		į			Recovery =
, <u>1</u>							1			
30一章 引							l i			
							1			
							1			
<u>}</u> :::::.]	Well graded SAND w/gravel (SW). bro	own, moist, med dense	10 1	5 7 9 S	PT	Į				
35 1:::::1							1			
	Boring Terminated at 35.0 ft.									
										BORIN
KL	EINFELDER	R(	DRIN	GI	0					
D 2 1 M		1								TB-1
•	NRW Project Number:	ine L	ighthous	e at Lon	g isi	and				1
Date: Augi	ust 21 95908									Sheet 1 of

l .	cation: oundw	: vater (ft):	Nassau Coliseum, Initial (¥): 23.0 feet		***************************************			e Starte e Comp			30/20 30/20		
ŧ .		ompany:	ADT	Equipment:	CME-85		Log	ged By:	:	Ma	ark G	elband	
I	ole Dia ammer	meter (in): Type:	3.25 Automatic	Drilling Method:	HSA		Tat		L (B).	200			
	311111111111111111111111111111111111111	Type.	Automatic					al Depti	n (n):	35			
				DESCRIPTION			FIELD	1			LABO	ORATO	I
Elevation (feet)	(feet)	Graphical Log		ace Elevation (ft): Not Provi	ded	Sample Interval	ounts Herval	Туре	(%)	ímit	Plasticity Index	Passing #200 Sieve (%)	<u>o</u>
Elevati	Depth (feet)	Graphi		ce Condition: Bare Earth		Sample	Blow Counts per 6" Interval	Sample Type	Moisture Content (%)	Liquid Limit	Plasticit	Passing #200 Si	Additional
	-		moist	ravel (SW), light brown to	red-brown,		Pre-cleared	GRAB		]			
	-	* * * * * * * * * * * * * * * * * * *					Pre-cleared	GRAB		1			
	5		Poorly graded SAND (S	P), orange-brown, moist.	med dense		3 4 8 11	SPT		 			Recove
							10 12 12 12	SPT		1			Recove
	10-						3 5 11 10	SPT	***************************************	1			- No Re
***************************************	15		Well graded SAND w/gi	avel (SW). brown. moist,	med dense		7 9 21 21	SPT	,	 	**************************************	***************************************	Recove
	20-						9 15 14 14	SPT	***************************************		**************************************		Recover
	25		7 Welf graded SAND w/sii loose	t and gravel (SW-SM). br	own. wet.		5 5 5 6	SPT					Recover
	4 4 4 4						4556	SPT			***************************************	**************************************	Recover
	35			gravel (SP), brown, wet, k	oose		9556	SPT	1	, ! ! ! !		4	Recover
			Boring Terminated at 35	υπ			·						BOR
	ted By	<b></b>	EINFELDER NRW   Project Number				ING L						TB-

[	ation: indw:	aler (ft):	Nassau Coliseum, Unid Initial (♀): 28.0 feet whi					e Starte e Comp			30/20 30/20	***********	
1		ompany:	ADT	ie aniling. Equipment:	CME-85			ged By				elband	
		neter (in)	***************************************	Drilling Method:	HSA		~						
Ham	mer "	Туре:	Automatic				Tat	al Depti	n (ft):	35	5.0		
			DI	ESCRIPTION	···· · · · · · · · · · · · · ·		FIELD	1		1	LAB	ORATO	RY
(feet)	æ	<u> </u>			·····	erval	ls val	99			dex	(%)	
Elevation (feet)	ee) (	Graphical Log		Elevation (It): Not Provi	ded	e Inte	Sount	e Typ	# (%)		Į Ž	g	-
Eleva	Depth (feet)	Grapt	ounder o	Ondatori. Date Latin		Sample Interval	Blow Counts per 6" Interval	Sатріе Туре	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #200 Sieve (%)	10 m 2 11 11 11 1
*****			FILL: Silty SAND w/gravel (	SM), brown to red-bro	own, moist		Pre-cleared	GRAB	20		<u>  D.</u> 	正 非	<
	**	<b>****</b>											
	1						Pre-cleared	GRAB					
	5-2												
	Ţ.	00	Well graded GRAVEL w/sa	nd (GW), brown, mois	t. very loose		1125	SPT	7			5	Reco
	1		Well graded SAND w/grave	(SW) hown maint	mad dones	_	9 12 12 13	SPT		1			["·
	+		graded onlye wigidye	(OM), DIOWIL INDISE	neu dense		J 12 12 13	JFI		     			Recov
	10-		Poorly graded SAND (SP).	orange-brown, moist,	med dense		5 10 11 10	SPT		1			Recov
	-									 			
	4									1			
	+		Well graded SAND w/grave	(SW), light brown to	brown, moist		14 19 28 20	SPT		1			Recov
	15-		to wel, dense to med der	ise		A				1			
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	1						9 14 13 10	SPT		i			Recov
3	20-									1			
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	‡;						3 9 9 14	SPT		l			Recove
3	0						L. C. C. C. C. C. C. C. C. C. C. C. C. C.			!			
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	1.									!			
	+11		Well graded SAND w/silt and med dense	gravel (SW-SM). bro	wn, wet.		12 20 5 5	SPT		1			Recove
3	5 E	7.F:H]	Boring Terminated at 35 0 ft.										
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		KL	EINFELDER		RO	R	NG L	00	<u> </u>				
Drafted	Bv.		IRW Project Number:				ouse at Lo						TB
Date:	~y.	Augus	1		· · · · · · · · · · · · · · · · · · ·	J			1 W				