				URS	Corpo	oration				TEST BOR	ING LOC	à			
										BORING NO:		GP-52			
PROJEC	CT:				KeySp	an Hempstea	ad MGP			LOCATION:		Area F			
CLIENT						KeySpan				JOB NO.:	11	17506	5		
BORING	CONTRAC	CTOR	:			Fenley	and Nicol			DRILLING METHOD:	Hanc	l/Geopr	obe		
GROUN	DWATER:	Dry				CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'			
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1	2/26/07	,		
					DIA.					DATE FINISHED:	1	2/26/07	,		
					WT.					DRILLER:	М	. Mead	Э		
					FALL					GEOLOGIST:	ΙA	AM Casey			
					*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re		
			SAMP	LE				DE:	l						
DEPTH				BLOWS	REC		CONSIST			MATERIAL		REN	IARKS		
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist		
0		S-1	Grab			Black				gravely CLAY, some brick	Fill	0.0	Dry		
								fragmer	nts and rootl	lets. No MGP impact observed.					
1															
2					7										
					1										
3															
4															
						Black		4' to 5',	Soft, sandy	gravelly CLAY. No impact					
5								observe	ed.						
		S-2	Macro		33"	1						0.0	Dry		
6			core												
7															
8															
9															
									End	of boring: 9' bgs					
10															
11															
12															
				$oxed{oxed}$	4										
13					_										
					4										
14					4										
					4										
15				\vdash	4										
40					\dashv										
16					\dashv										
17					\dashv										
17					\dashv										
18					\dashv										
18					\dashv										
19				$\vdash\vdash$	\dashv										
19					\dashv										
20					\dashv										
20 Commor	nto:	0' to F	o' even	vated with	hand tools		<u>I</u>	l		DDO IECT NO	<u> </u>	17500			
Commer	แระ	0 10 5	, exca	valeu Will	ianu luuis					PROJECT NO.		117506 GP-52			
1										BORING NO.		JGP-52			
<u> </u>															

PROJECT:					U	RS (TEST BORI	RING LOG									
DORING CONTRACTOR:												BORING NO:)GP-53			
BORING CONTRACTOR:	PROJEC	T:					KeySp	an Hempstea	ıd MGP			LOCATION:	ı	Area F			
CAS. SAMPLER CORE TIME TOTAL DEPTH: 8																	
DATE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 12/26/07			CTOR:	•									Hand	l/Geopr	obe		
			1					CAS.		CORE	TUBE						
Name	DATE	TIME	LE	VEL	TY				Macrocore								
FALL GEOLOGIST: AMCIGNOM CONTINUE CO																	
SAMPLE STRATA NO TYPE PER 8" ROD% COLOR HARD Of 04" Loose, slightly days SAND and GRAVEL Fill 0.0 Dry																	
SAMPLE								DOOKET DI	NETROMET	ED DEA	DING						
DEPTH STRATA NO. Type PER 6" ROM; DOLOR HARD DESCRIPTION USCS PID Moist				CAMP				POCKETPI	ENETROMET				IX.	Comman	6		
STRATA No. TYPE PER 6" ROD% COLOR HARD DESCRIPTION USCS PID Moist	DEDTH			SAMP		we	DEC		CONSIST	DE				8' 12/26/07 12/26/07 M. Meade AM Casey C. Connare REMARKS PID Moist 0.0 Dry			
O		STRATA	NO	TVPF				COLOR									
with some brick fragments and other fill material. No MGP impact observed. S-2 Macro ore Hed / Brown S-2 Macro ore Hed / Brown Red / Orange S to S: Losse, line to coarse SAND with poorly graded fine gravel. No evidence of impact. Red / Orange Fill and the fill material. No MGP impact observed. At to 6, Soft dayey SiLT. No evidence of impact. MIL 0.0 Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry graded fine gravel. No evidence of impact. SP Dry Grade fine gravel. No	-	U.I.A.A					TIQD 70		HARD	0' to 4'.							
1			0.	Grab			1	Bidor		with sor	ne brick frag	ments and other fill material.		0.0	D.y		
2 3 4	1						1			No MGI	impact obs	served.					
3 3 4 5 6 7 8 8 6 7 6 8 7 100																	
S-2 Macro	2						1										
S-2 Macro							1										
S-2 Macro 45" Red / Brown 4' to 6', Soft clayey SiLT. No evidence of impact. ML 0.0 Dry	3																
S-2 Macro 45" Red / Brown 4' to 6', Soft clayey SiLT. No evidence of impact. ML 0.0 Dry																	
Core	4						1										
Red / Orange			S-2	Macro			45"	Red /		4' to 6',	Soft clayey	SILT. No evidence of impact.	ML	0.0	Dry		
Red / Orange Gro 9', Loose, fine to coarse SAND with poorly graded fine gravel. No evidence of impact. SP Dry	5			core				Brown									
Red / Orange Gro 9', Loose, fine to coarse SAND with poorly graded fine gravel. No evidence of impact. SP Dry																	
7	6						ļ			<u> </u>							
8 End of boring: 8' bgs 9 10 10 11 11 11 11 11 11 11 11 11 11 11								Red /					SP		Dry		
End of boring: 8' bgs	7							Orange		graded	iine gravei. i	No evidence of impact.					
End of boring: 8' bgs																	
9	8																
10											End	of boring: 8' bgs					
11	9						l										
11	40																
12	10						ł										
12	11						ł										
13 14 15 16 17 18 19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	- ' '						ł										
13 14 15 16 17 18 19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	12																
14	12						l										
14	13						1										
15 16 17 18 19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065							1										
16	14																
16																	
17 18 19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	15																
17 18 19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065																	
19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	16																
19 20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065																	
20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	17																
20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065																	
20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	18																
20 Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065																	
Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	19																
Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample. PROJECT NO. 11175065	- 0.5																
			0' to 5	l over	otod I-	, hen-	tools O	rob 0'+o 4'	and in CC E 1	l compl-							
BORING NO. DGP-53	Commer	its:	0 10 5	excav	aleu D	y Hallo	เบบเร. น	11 aU U 10 4 , U	1360 III (J3-F-)	sample	•)		
												BONING NO.	L	/GF-33			

				URS	6 Corpo	oration				TEST BOR			
										BORING NO:	[OGP-54	
PROJEC	T:				KeySp	an Hempstea	d MGP			LOCATION:		Area F	
CLIENT:						KeySpan				JOB NO.:		117506	
BORING	CONTRAC	CTOR	:			Fenley a	and Nicol			DRILLING METHOD:	Hand	d/Geop	robe
GROUNI	DWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1	2/26/07	7
					DIA.					DATE FINISHED:	1	2/26/07	7
					WT.					DRILLER:	M	I. Mead	е
					FALL					GEOLOGIST:	Α	M Case	ey
					,	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re
			SAMP	LE	-				SCRIPTION				
DEPTH				BLOWS	REC		CONSIST			MATERIAL		REN	// ARKS
FEET	STRATA	NO.	TYPE	PER 6"		COLOR	HARD			ESCRIPTION	USCS		Moist
0		S-1	Grab			Black		0' to 2',		ted material. Stained SAND	Fil	11.8	Dry
Ť		0.	G. G.			Stained			AVEL, ALM],
1					-	Stairleu							
'					-								
2					_			2' to 5'	Firm claves	SILT with some hydrocarbon			
						Brown				7 SILT with some hydrocarbon ate hydrocarbon odor (possibly	ML		
3										g stiff at 4'. No odors observed			
				\vdash	_			below 4		-			
4													
5													
		S-2	Macro		41"	Dk. Brown		5' to 6',	Stiff clayey	SILT. No impact observed.		0.0	
6			core					<u> </u>				<u> </u>	<u> </u>
						Lt. Brown		6' to 9',	Loose, fine	to coarse SAND, fine to coarse		Ī	Dry
7						/ Orange		gravel.	No impact.				
8													
9													
	******************************								End	of boring: 9' bgs			
10					-				Liid	or borning. or bgo			
-10					-								
11					-								
- ' '					_								
12													
12													
40					_								
13					_								
					_								
14				$oxed{oxed}$	_								
					_								
15					_								
16													
17													
18													
					\dashv								
19					7								
					\dashv								
20					\dashv								
	ite:	0' to 5	, excan	ated by ha	and tools	<u> </u>	<u> </u>	<u> </u>		PROJECT NO.	4	117500	5
Commen	ແຮ.	5 10 0	, unuav	atou by Hd							1	117506 DGP-54	
										BORING NO.			

				UR	S C	orpo	ration				TEST BORI	NG LOG	ì	
											BORING NO:	D	GP-55	
PROJEC	CT:					KeySpa	an Hempstea	d MGP			LOCATION:	,	Area F	
CLIENT:	:						KeySpan				JOB NO.:		175065	
BORING	CONTRAC	CTOR	:				Fenley a	and Nicol			DRILLING METHOD:	Hand	/Geopr	obe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPI	E T	ГҮРЕ		Macrocore			DATE STARTED:	1:	2/27/07	
						DIA.					DATE FINISHED:	1:	2/27/07	
					٧	NT.					DRILLER:	M.	. Meade)
					F	ALL					GEOLOGIST:	AN	/ Case	/
						*	POCKET PE	NETROMET	ER REA	DING	REVIEWED BY:	K.	Connar	е
			SAMP	LE					DE	SCRIPTION				
DEPTH				BLOW	vs	REC		CONSIST			MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER (6" F	RQD%	COLOR	HARD		DE	SCRIPTION	USCS	PID	Moist
0		S-1	Grab				Black				tly clayey SAND and GRAVEL,	Fill	0.0	Dry
										tlets, red bri	ck fill material. No MGP			_
1									impact.					
2														
3														
Ū							Black		3' to 5' \$	Soft clavev S	ILT. No MGP impact.	ML		
4							Diacit			, . , .	ь р	IVIL		
·				-										
5														
3		S-2	Macro			44"	Brown		5' to 6'	Soft to firm o	clayey SILT. No evidence of		0.0	Dry
6		3-2				44	DIOWII		MGP im		siayey oil 1. No evidence of		0.0	Dry
0			core	-			D a d /		L		o coarse SAND with some	SP		D
7							Red /				I. No evidence of impact.	51		Dry
7							Orange		promy s	, and a grant				
_														
8														
_														
9														
										End	of boring: 9' bgs			
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20		L											L.	
Commer	nts:		o' excav	ated by I	hand t	ools. G	rab 0' to 5' us	sed in samples	S CS-F-1	and GS-F-	PROJECT NO.	11	17506	5
		2									BORING NO.		GP-55	
		1												

				U	IRS (Corpc	oration				TEST BOR	NG LOC	à	
											BORING NO:		OGP-56	
PROJEC	CT:					KeySp	an Hempstea	ad MGP			LOCATION:	1	Area F	
CLIENT							KeySpan				JOB NO.:		117506	
BORING	CONTRAC	CTOR	:					and Nicol			DRILLING METHOD:	Hand	d/Geopr	obe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TY	/PE	TYPE		Macrocore			DATE STARTED:		2/26/07	
				<u> </u>		DIA.					DATE FINISHED:		2/26/07	
						WT.					DRILLER:		. Meade	
						FALL					GEOLOGIST:		M Case	,
						*	POCKET PI	ENETROMET			REVIEWED BY:	K.	Connar	е
			SAMP			T			DE	SCRIPTION				
DEPTH	070474		TVDE		ows	REC	001.00	CONSIST			MATERIAL	11000		IARKS
FEET	STRATA	NO.	_	PE	R 6"	RQD%		HARD	01 += 01		ESCRIPTION	USCS	1	Moist
0		S-1	Grab		↓	<u> </u>	Black				ly clayey SAND and GRAVEL, some MGP stainning, brick	Fill	0.0	Dry
				<u> </u>	<u> </u>					ents and clin		ļ		
1					<u> </u>							ļ		
				<u> </u>	<u> </u>							ļ		
2					<u> </u>					<u>, , , , , , , , , , , , , , , , , , , </u>				
					<u> </u>		Black		2' to 4',	Soft clayey	SILT. No evidence of impact.	ML		Dry
3				<u> </u>	↓	<u> </u>	Red /					ļ		
					<u> </u>		Brown							
4					<u> </u>	<u> </u>								
		S-2	Macro		<u> </u>	45"	Red /		4' to 6',	Soft, clayey	SILT. No evideince of impact.	ļ	0.0	Dry
5			core		<u> </u>		Brown					ļ		
				<u> </u>	↓	<u> </u>						ļ		
6					<u> </u>									
						<u> </u>	Red /				to coarse SAND, with poorly	SP		Dry
7]	Orange		impact.	line to coars	e grave. No evidence of			
						<u>.</u>			iiiipaci.					
8														
						<u> </u>				End	of boring: 8' bgs			
9]								
]						ļ		
10]						ļ		
						<u> </u>						ļ		
11						<u> </u>								
						<u> </u>						ļ		
12]						ļ		
						<u> </u>						ļ		
13]						ļ		
						<u> </u>								
14]								
						<u> </u>								
15]						ļ		
						<u> </u>								
16]						ļ		
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17]						ļ		
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18]						ļ		
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19] '								
] '								
20						<u> </u>	<u> </u>	<u> </u>				<u> </u>	L	
Commer			excav 'c	ated b	y hanc	l tools. G	irab 0' to 5' u	sed in sample:	s GS-F-3	and CS-F-	PROJECT NO.	11	117506	5
		1.									BORING NO.	1	OGP-56	

				URS	Corpo	oration				TEST BOR	ING LOC	3	
<u></u>										BORING NO:		OGP-57	
PROJEC	CT:				KeySp	an Hempstea	ad MGP			LOCATION:		Area F	
CLIENT	:					KeySpan				JOB NO.:		117506	
BORING	CONTRAC	CTOR	:			Fenley	and Nicol			DRILLING METHOD:	Hand	d/Geopi	obe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1	2/26/07	,
					DIA.					DATE FINISHED:	1	2/26/07	,
					WT.					DRILLER:	M	. Mead	Э
					FALL					GEOLOGIST:	Al	M Case	у
					,	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	e
			SAMP	LE				DE	SCRIPTION				
DEPTH				BLOWS	REC		CONSIST			MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab			Black		0' to 4',	Loose slight	ly sandy gravelly CLAY with	Fill	0.0	Dry
					1			some M	IGP impacte	d material including coal			
1								fragmer	nts, ash mat	erial and clinker. No odors.			
					1								
2					-								
-					┨								
3					┥								
3					-								
					-								
4		0.0			4000/	Disale	4	41 += 01	O-44 6:	ali alathura ana duu alau an CII Tuuith			_
		S_2	Macro		100%	Black				slightlysandy clayey SILT with ments and rootlets.		0.0	Dry
5			core		4			301116 16	d blick liag	ments and rootiets.			
6					4			.					
						Lt. Brown				to coarse SAND with some	SP	0.0	Dry
7					_			poorly g	raded grave	el. No impact observed.			
8													
									End	of boring: 8' bgs			
9													
					1								
10					1								
11													
12													
					1								
13					1								
14					┪								
					1								
15					1								
10					-								
16					-								
16					4								
<u> </u>					4								
17					4								
<u> </u>					4								
18					4								
					4								
19					_								
					_								
20								<u> </u>					
Commer	nts:	0' to 4	4' excav	ated by har	d tools.					PROJECT NO.	1	117506	5
										BORING NO.		OGP-57	