				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:		DGP-1	
PROJEC	CT:					KeySpa	an Hempstea	ad MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:		17506	
BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/ Ge	eoprobe
GROUNI	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	'PΕ	TYPE		Macrocore			DATE STARTED:	1	2/03/07	,
						DIA.					DATE FINISHED:		2/05/07	
						WT.					DRILLER:		. Mead	
						FALL					GEOLOGIST:		larshm	
							POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:		Connai	
			SAMP	LE						SCRIPTION				
DEPTH					ows	REC		CONSIST			MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE		R 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist
0		S-1	Grab			114270	DK Brown		Laamou			SW	0.0	Moist-
		0-1	Ciab]	DIX BIOWII		coarse	sand & fine	some organic matter, trace gravel, trace silt.		0.0	Dry
1							Lt Brown				ND, trace coarse sand, little-	SP	0.0	Moist-
											ubrounded), poorly graded,			Dry
2									trace co	arse gravel	, trace siit.			
3														
4														
5														
		S-2	Macro			35"	Lt Brown		Loose t	o medium d	ense, medium to coarse	GP	0.0	Dry
6			core			1					coarse gravel (poorly			
									graded)	. No MGP ir	npact.			
7						1								
8						1								
										End	of boring: 9' bgs			
9														
10														
11														
12														
]								
13]								
14						1								
15														
16														
						1								
17														
18														
						4								
19						1								
						4								
20											1			
Commen	nts:	0-5' ir	nterval e	excava	ted wi	th post h	ole digger.				PROJECT NO.		17506	5
											BORING NO.		DGP-1	

ROLECT: KeySpan LOCATION: Area					UF	RS C	Corpo	ration				TEST BORING			
Calebra Service Serv												BORING NO:		DGP-2	
Foreign & Nicol DRILLING METHOD: Hand Auger GROUNDWATER: CAS. SAMPLER CORE TUBE TOTAL DEPTH: 10	PROJEC	T:					KeySpa	an Hempstea	ad MGP			LOCATION:		Area A	
CAS. SAMPLER CORE TUBE TOTAL DEPTH: 107	CLIENT:							KeySpan				JOB NO.:		117506	
DATE TIME LEVEL TYPE TYPE DIA. DATE FIRSHED: 12004	BORING	CONTRA	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/ Ge	eoprobe
DIAL DATE FINISHED: 1204 WT, DATE FINISHED: 1204 WT, DEPILLER: M. M. M. GEOLOGIST: J. Harst SAMPLE POCKET PENETROMETER READING REVIEWED BY: K. Con	GROUNE	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		10'	
Macro Sample Security Sec	DATE	TIME	LE	VEL	TYF	PE	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
FALL GEOLOGIST: J. Harst FALL GEOLOGIST: J. Harst FALL DESCRIPTION REVIEWED BY: K. Con DESCRIPTION DESCRIPTION DESCRIPTION USCS REC TABLE							DIA.					DATE FINISHED:	1	2/04/07	,
FALL GEOLOGIST: J. Harst FALL GEOLOGIST: J. Harst FALL DESCRIPTION REVIEWED BY: K. Con DESCRIPTION DESCRIPTION DESCRIPTION USCS REC TABLE							WT.					DRILLER:	М	. Mead	e
SAMPLE SAMPLE SAMPLE STRATA NO. TYPE PER 6" O															
SAMPLE DESCRIPTION MATERIAL USCS FROM TYPE PER 6" ROD% COLOR CONSIST MARD DESCRIPTION USCS FROM COLOR							*	POCKET P	ENETROMET	ER REA	DING		K.	Conna	re
DEPTH FEET STRATA NO. TYPE BLOWS RCC. RQD% COLOR HARD DESCRIPTION USCS PER COLOR RDW DK Brown S-1 Grab LI Brown LI Brown LI Brown Fine to medium to coarse sand, little-some fine gravel. S-2 Macro core S-2 Macro core S-3 Macro core 1				SAMP	LE										
FEET STRATA NO, TYPE PER 8" ROD% COLOR HARD DESCRIPTION USCS PI	DEPTH					ws	REC		CONSIST					REM	IARKS
DK Brown		STRATA	NO.	TYPE				COLOR					USCS		Moist
organic matter (roots), trace-little fine gravel. Lt Brown Lt Brown S-2 Macro core S-2 Macro core 10 11 11 12 13 14 15 16 17 18 19 20				_					117412	Loamy				0.0	Moist-
1	-		3-1	Ciab				DIX DIOWII					300	0.0	
A											•	,			Dry
A															
A					\vdash										
Li Brown Fine to medium to coarse sand, little-some fine GP 0.5	2														
Li Brown Fine to medium to coarse sand, little-some fine GP 0.5															
Lit Brown	3														
Lit Brown															
S-2 Macro S-4" Lt Brown Loose, medium to coarse SAND, with some fine to coarse gravel (well graded). No MGP impact. GW 0.1	4								<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u></u>
S-2 Macro 54" Lt Brown Loose, medium to coarse SAND, with some fine to coarse gravel (well graded). No MGP impact. GW 0.1								Lt Brown					GP	0.0	Dry
Core	5														
Core			S-2	Macro			54"	Lt Brown		Loose,	medium to d	coarse SAND, with some fine	GW	0.0	Dry
8	6			core											ĺ
8															
8	7														
9															
9	Ω														
10 End of boring: 10' bgs 11	-														
10 End of boring: 10' bgs 11															
11	9														
11															
11 12 13 14 15 16 17 18 19	10														
12 13 14 15 16 17 18											End o	of boring: 10' bgs			
13 14 15 16 17 18 19 20	11														
13 14 15 16 17 18 19															
14 15 16 17 18 19	12														
14 15 16 17 18 19															
15 16 17 18 19 20	13														
15 16 17 18 19 20															
15 16 17 18 19 20	14														
16 17 18 19 20															
16 17 18 19 20	15														
17 18 19 20															
17 18 19 20	16				\vdash	\dashv									
18	10														
18	17				\vdash										
19 20	17														
19 20															
20	18														
20															
	19														
Comments: 0-5' interval excavated by hand auger. PROJECT NO. 11175	20							<u> </u>					<u></u>		
	Commen	nts:	0-5' ir	nterval e	excavat	ed by	hand au	iger.				PROJECT NO.	1	117506	5
BORING NO. DGP														DGP-2	

				UF	RS C	Corpo	ration				TEST BORING			
											BORING NO:		OGP-3	
PROJEC	T:					KeySpa	an Hempstea	ad MGP			LOCATION:	,	Area A	
CLIENT:							KeySpan				JOB NO.:		17506	
BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/ Ge	eoprobe
GROUNI	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		10'	
DATE	TIME	LE	VEL	TYP	PΕ	TYPE		Macrocore			DATE STARTED:	1:	2/04/07	•
						DIA.					DATE FINISHED:	1:	2/06/07	•
						WT.					DRILLER:	M	Mead	Э
						FALL					GEOLOGIST:	J. F	larshm	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	e
			SAMP	LE					DES	SCRIPTION				
DEPTH				BLO\	ws	REC		CONSIST			MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PER	6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk Brown				fine to fine to medium SAND,	SP	0.0	Dry
									organic	matter, trac	e-little fine gravel.			
1														
2														
3														
4														
			ľ				Lt Brown		Fine to	medium to d	coarse SAND, little fine gravel.	GP	0.0	Dry
5										P impact.				ĺ
		S-2	Macro			40"	Lt Brown		Loose,	fine to medi	um to coarse SAND, some	GW/SW	0.0	Dry
6			core								el (well graded), trace coarse			ĺ
									gravel.	No MGP im	pact.			
7			ľ											
8			ľ											
			ľ											
9														
10			•											
										End o	of boring: 10' bgs			
11														
12														
13														
14														
15														
			[[
16														
			[[
17														
18														
19														
20														
Commen	nts:	0-5' ir	nterval	excavate	ed by	hand au	ger.				PROJECT NO.		17506	5
											BORING NO.	[OGP-3	
											<u> </u>			

				UR	S Co	orpo	ration				TEST BORING	LOG		
											BORING NO:		DGP-4	
PROJEC	T:				K	(eySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:	11	17506	5
BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/ Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPI	E T	YPE		Macrocore			DATE STARTED:	1	2/04/07	
					DI	IA.					DATE FINISHED:		2/04/07	
					w	/T.					DRILLER:	М	. Meade	Э
					F/	ALL					GEOLOGIST:		larshm	
						*	POCKET PI	NETROMET	ER REA	DING	REVIEWED BY:	K.	Connai	е
			SAMP	LE					DES	SCRIPTION				
DEPTH				BLOW	vs I	REC		CONSIST			MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER (6" R	QD%	COLOR	HARD		D	ESCRIPTION	USCS		Moist
0		S-1	Grab				Dk Brown				fine to fine to medium SAND, ts), trace fine gravel (subround	SP	0.0	Dry
1									to round	d).				
2														
3														
4														
·							Lt Brown		Fine to	medium to d	coarse SAND, some fine	GP	0.0	Dry
5							Lt Diowii		gravel.	No MGP im	pact.	G.	0.0	Diy
- Ŭ		S-2	Macro			40"	Lt Brown		Loose, i	medium to c	coarse SAND, trace fine sand	GW	0.0	Dry
6		0-2	core			10	Lt Diowii				ne to coarse gravel. No MGP		0.0	Diy
									impact.					
7														
8														
- Ŭ														
9														
										Fnd	of boring: 9' bgs			
10											o. 50g. 0 2g0			
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
Commer	nts:	0-5' ir	nterval e	xcavate	d by ha	and aud	ger.				PROJECT NO.	11	17506	5
	-		0	2.00	٠,		<u>-</u>				BORING NO.		DGP-4	
												1	1	

DORING NO: DOP-5					UF	RS (Corpo	ration				TEST BORING	LOG		
DITAIL SAMPLE SAMPLE SAMPLE SAMPLER SAMPLER												BORING NO:		DGP-5	
BORING CONTRACTOR:	PROJEC	T:					KeySpa	an Hempstea	nd MGP			LOCATION:		Area A	
SAUNCE TIME	CLIENT:							KeySpan				JOB NO.:			
DATE STARTED: 12:04:07	BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/ Ge	oprobe
DAL DATE FINSHED: 12:08:07	GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		10'	
No. No.	DATE	TIME	LE	VEL	TYF	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/04/07	•
							DIA.					DATE FINISHED:	1	2/06/07	•
No. POCKET PENETROMETER READING REVIEWED BY: K. Connare							WT.					DRILLER:	М	. Meade	Э
SAMPLE DESCRIPTION MATERIAL NO. Type BLOWS FREC FROM COLOR HARD DESCRIPTION DESCRIPTION USCS PID Moist USCS PID Moist DESCRIPTION USCS PID Moist USCS PID							FALL					GEOLOGIST:	J. H	Harshma	an
DEPTH STRATA NO. Type PER 6" ROD% COLOR HARD DESCRIPTION USCS PID Moist							*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Connar	е
STRATA NO. TYPE PER 6" ROD% COLOR HARD DESCRIPTION USCS PID Moist				SAMP	LE					DES	SCRIPTION				
Signature Sign	DEPTH				BLO	ws	REC		CONSIST			MATERIAL			
organic matter (roots), trace fine gravel. Lt Brown Lt Brown Fine to medium to coarse SAND, some fine gravel (subround to round). No MGP impact. S-2 Macro Oore Oore Oorange Itt Brown Lt Brown Lt Brown Lt Brown Loose, medium to coarse to very coarse SAND, GW 0.0 Dry little fine to coarse gravel (well graded). No MGP impact. Find or boring: 10' bgs End or boring: 10' bgs Table 11 12 13 14 15 18 19 20 Comments: O-5' interval excavated by hand auger. PROJECT NO. 11175065	FEET	STRATA	NO.	TYPE	PER	6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
1	0		S-1	Grab				Dk Brown					SP	0.0	Dry
Comments: O-5' Interval excavated by hand auger. PROJECT NO. 11175065										organic	matter (roo	ts), trace fine gravel.			
Lt Brown Fine to medium to coarse SAND, some fine GP 0.0 Dry	1														
Lt Brown Fine to medium to coarse SAND, some fine GP 0.0 Dry															
Lit Brown Fine to medium to coarse SAND, some fine gravel (subround to round). No MGP impact. GP 0.0 Dry	2														
Lit Brown Fine to medium to coarse SAND, some fine gravel (subround to round). No MGP impact. GP 0.0 Dry															
Lit Brown Fine to medium to coarse SAND, some fine gravel (subround to round). No MGP impact. GP 0.0 Dry	3														
S.2 Macro								Lt Brown	t	Fine to	medium to	coarse SAND, some fine	GP	0.0	Drv
S-2 Macro	4														,
S.2 Macro															
S.2 Macro	5														
6			S-2	Macro			48"	I t Brown		Loose, i	medium to d	coarse to very coarse SAND,	GW	0.0	Dry
impact. impact. impact.	6		02										G.1.	0.0	Diy
8								Clango		impact.					
8	7														
9	,														
9	Ω														
10 End or boring: 10' bgs 11	- 0														
10 End or boring: 10' bgs 11	_														
End or boring: 10' bgs 11 12 13 14 15 16 17 18 19 19 20 Comments: 0-5' interval excavated by hand auger.	9														
End or boring: 10' bgs 11 12 13 14 15 16 17 18 19 19 20 Comments: 0-5' interval excavated by hand auger.	10														
11	10										F 1	1 ' 1011			
12	4.4										Ena	or boring: 10' bgs			
13	11														
13															
14	12														
14															
15	13														
15															
16	14														
16															
17 18 19 20 Comments: 0-5' interval excavated by hand auger. PROJECT NO. 11175065	15														
17 18 19 20 Comments: 0-5' interval excavated by hand auger. PROJECT NO. 11175065															
18	16														
18															
19 20 PROJECT NO. 11175065	17														
19 20 PROJECT NO. 11175065															
20 PROJECT NO. 11175065	18														
20 PROJECT NO. 11175065															
Comments: 0-5' interval excavated by hand auger. PROJECT NO. 11175065	19														
Comments: 0-5' interval excavated by hand auger. PROJECT NO. 11175065															
	20														
	Commer	nts:	0-5' ir	nterval e	xcavate	ed by	hand au	ger.				PROJECT NO.	1	1175065	5

				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:		DGP-6	
PROJEC	CT:					KeySpa	an Hempstea	ad MGP			LOCATION:		Area A	
CLIENT							KeySpan				JOB NO.:	11	17506	5
BORING	CONTRA	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/ Ge	eoprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	'PΕ	TYPE		Macrocore			DATE STARTED:	1	2/03/07	,
						DIA.					DATE FINISHED:	1	2/05/07	,
						WT.					DRILLER:	М	. Mead	е
						FALL					GEOLOGIST:	J. H	Harshm	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re
			SAMP	LE					DES	SCRIPTION				
DEPTH				BLC	ows	REC		CONSIST			MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PEI	R 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk Brown				fine to fine to medium SAND,	SP	0.0	Dry
											matter (roots), little fine gravel,			
1									trace sil	τ.				
							Lt Brown				coarse SAND, with some fine	SP	0.0	Moist
2							/ Brown				to rounded), poorly graded,			to Dry
									trace co	arse gravel	, trace siit.			
3														
4														
							Black				ND, napth. Odor, with some	GP	0.2	Moist
5							Stained		fine gra	vel, poorly g	raded.			
		S-2	Macro			34"	Orange				ense, fine to medium to coarse	GP	0.0	Dry
6			core				/ Brown				ne to coarse gravel (poorly			
						1			graded)	. No MGP i	npact.			
7														
						1								
8						1								
9						1								
										End	of boring: 9' bgs			
10											0			
11														
12														
13														
						1								
14														
15														
16						1								
17						1								
18						1								
						1								
19						1								
<u> </u>						1								
20						1								
Commer	nts:	0-5' ir	nterval e	xcava	ted wit	h post h	ole digger. S	P 0' to 1' and :	SP 1' to 4	1' sample	PROJECT NO.	11	17506	5
Commis								GS-A-1 sampl			BORING NO.		DGP-6	_
		5.										<u>'</u>	<u> </u>	

				U	RS (Corpo	oration				TEST BORING	LOG		
						-					BORING NO:		DGP-7	
PROJEC	CT:					KevSp	an Hempstea	ad MGP			LOCATION:		Area A	
CLIENT:						- 7 - 1-	KeySpan				JOB NO.:		17506	5
	CONTRA	CTOR	:					& Nicol			DRILLING METHOD:	Hand Au		
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/03/07	,
						DIA.					DATE FINISHED:		2/05/07	
						WT.					DRILLER:		. Meade	
						FALL					GEOLOGIST:		larshm	
							POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:		Connai	
			SAMP	LE						SCRIPTIO	N .			
DEPTH				BLC	ows	REC		CONSIST			MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PEF	R 6"	RQD%	COLOR	HARD		[DESCRIPTION	USCS		Moist
0		S-1	Grab				Dk Brown		Loamy t	topsoil, sor	ne organic matter, trace coarse	SW	0.0	Moist
						1			sand an	d fine grav	rel, trace silt.			to Dry
1														1
						1	Lt Brown		Fine to I	medium S/	AND, trace coarse sand, little to	SP	0.0	Dry
2						1					subrounded), poorly graded,			ĺ
									trace co	arse grave	el.			
3														
						1								
4														
						1								
5														
		S-2	Macro			27"	5' to 7'	•			AND, trace fine gravel. Loose to	GP/SP	0.0	Dry
6			core				Dk Brown		medium	dense, tra	ace fine sand, some fine gravel			
						1	7' to 9'		(poorly	graded). N	o MGP impact.			
7							Lt Brown							
8						1								
						1								
9														
										Enc	of boring: 9' bgs			
10														
11														
12														
13														
14														
15														
						1								
16														
17						1								
18														
						1								
19						1								
						1								
20						1								
Commer	nts:							W 0' to 1' and	SP 1' to	4' sample	PROJECT NO.	1	17506	5
		used	in comp	osite s	ample	CS-A-1	. GP/SP 5' to	9' CS-A-5.			BORING NO.		DGP-7	
		-												

				UR	es c	Corpo	ration				TEST BORING	LOG		
											BORING NO:		GP-8	
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:	A	Area A	
CLIENT:							KeySpan				JOB NO.:	11	175065	5
BORING	CONTRAC	CTOR:	!				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYP	E	TYPE		Macrocore			DATE STARTED:	12	2/03/07	
					_	DIA.					DATE FINISHED:		2/10/07	
					_	WT.					DRILLER:		Meade	
					_	FALL					GEOLOGIST:		arshma	
							POCKET PE	ENETROMET	FR RFA	DING	REVIEWED BY:		Connar	
			SAMP	I E						SCRIPTION				
DEPTH			JAIVIE	BLOW	ve	REC		CONSIST			MATERIAL		DEM	ARKS
FEET	STRATA	NO.	TYPE	PER		RQD%	COLOR	HARD			SCRIPTION	USCS		Moist
	SINAIA			PEN	0			ПАПО	Loamy		e organic matter, trace to little			
0		S-1	Grab				Dk. Brown		fine gra		e organic matter, trace to little	SP	0.0	Moist
									o g. a					
1									<u></u>		ND, little to some fine gravel,			
							Lt. Brown					SP/GP	0.0	Moist
2										d water with:	with MGP odor (napth).			
]	WILL				
3														
									Concret					
4		S-2	Macro			52"	3' to 4'				ND, trace coarse sand, little	GW	0.0	Moist
			core				Dk. Brown		fine gra	vel. No MGF	impact.			
5							4' to 8'		Medium	dense, fine	to coarse SAND, little to			Dry
							Lt. Brown		some fir	ne gravel (we	ell graded). No MGP impact.			
6							Lt. Diowii							
-														
7														
/														
8														
										End	of boring: 8' bgs			
9														
10														
11														
12														
13														
14														
15														
13														
16														
16														
4-														
17														
18														
19														
20							<u></u>							
Commer	its:							1' composite	sample	CS-A-1.	PROJECT NO.	11	175065	5
		SP/GI	P 1' to 3	' GS-A-3	3 sam	ple. GV	V 3' to 8' CS-	A-9.			BORING NO.		GP-8	

				UR	is c	Corpo	ration				TEST BORING	LOG		
											BORING NO:		DGP-9	
PROJEC	CT:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:	!						KeySpan				JOB NO.:		17506	
BORING	CONTRA	CTOR					Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYP	E	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
						DIA.					DATE FINISHED:	1	2/10/07	,
						WT.					DRILLER:	М	. Mead	Э
						FALL					GEOLOGIST:	J. F	łarshm	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	e
			SAMP	LE					DE	SCRIPTION				
DEPTH				BLOV	NS	REC		CONSIST			MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PER	6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown				fine to fine to medium SAND,	SP	0.0	Moist
									organic	matter, trac	e to little fine gravel.			
1														
							Lt. Brown		Fine to	coarse SAN	ID, little to some fine gravel	GP	58.9	Moist
2							/ Orange), trace coarse gravel. MGP			
											to 3.0' bgs, black stained -			
									coated, odor, sh		ally saturated, moderate MGP			
3									Concret					
<u> </u>		0.0				0.011					ense, fine to coarse SAND,	0.0		
4		S-2	Macro			36"	Lt. Brown				d fine gravel. No visable MGP	GP	0.0	Dry
<u> </u>			core								MGP odor possible.			
5										•	·			
6														
7														
8														
										End	of boring: 8' bgs			
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
· · ·														
19				\vdash										
				\vdash										
20														
Commer	nte:	Conc	rete sla	b encou	intere	d at ~3'	bas (percher	ud water). SP 0	to 1' an	d GP 1' to 3	PROJECT NO.	1 1	17506	<u>. </u>
Sommer	no.			3' to 8' C			- 32 (120.0.100		,		BORING NO.	1	DGP-9	
1		•1										<u> </u>	- GI - U	

				URS	Corpo	oration				TEST BORI	NG LOG		
										BORING NO:		DGP-10	
PROJEC	CT:				KeySp	an Hempstea	ad MGP			LOCATION:		Area A	
CLIENT:						KeySpan				JOB NO.:		117506	
BORING	CONTRA	CTOR	:			Fenley	& Nicol			DRILLING METHOD:	Hand A	uger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		7'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:		2/04/07	
					DIA.					DATE FINISHED:		2/12/07	
					WT.					DRILLER:		I. Mead	
					FALL		<u> </u>	<u> </u>		GEOLOGIST:		Harshm	
					· ·	POCKETP	ENETROMET			REVIEWED BY:	K.	Conna	re
DEDTU			SAMP		Lac		CONCICT	DE:	SCRIPTIO			DEN	IA DICO
DEPTH	OTDATA	NO	TVDE	BLOWS	-	001.00	CONSIST			MATERIAL			IARKS
FEET	STRATA	NO.	TYPE	PER 6'	RQD%		HARD	Loamy		DESCRIPTION ry fine to fine to medium SAN	USCS	1	Moist
0		S-1	Grab		_	Dk. Brown				er, trace fine gravel.	D, SP	0.0	Moist
1													
						Lt. Brown				ND, little to some fine gravel,		51.8	Wet
2										el. MGP impacts at 2.5' to 3.0			
_										soil, partially saturated, black ALM, moderate MGP odor,			
3				 				sheen.	. 500), 11000	,dorato mar odor			
3								Concre	te Slah			-	
4		S-2	Macro		38"	Lt. Brown				rse SAND, some well graded	GP	2.0	
		0 2	core		\dashv	/ Tan		fine gra	vel. 4" ban	d of brown stained sand at 4		2.0	
5			0010			/ Tan			nt MGP oc	for. No MGP impact from 4.5	to		
- ŭ								7'.					
6													
7													
									End	d of boring: 7' bgs			
8													
9													
10													
11													
12													
13													
					_								
14					_								
15					_								
15					_								
16					-								
10					-								
17													
18													
19													
20							<u></u>						
Commer	nts:					bgs (perche	d water). SP 0	' to 1' CS	S-A-3, GP 1	PROJECT NO.	1	117506	5
		to 3' (àS-A-7.	3' to 7' CS	S-A-10.					BORING NO.	I	OGP-10	

				UF	RS C	Corpo	ration				TEST BORING	LOG		
											BORING NO:	D	GP-11	
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:	A	Area A	
CLIENT:							KeySpan				JOB NO.:	11	175065	5
BORING	CONTRAC	CTOR:	!				Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/Ge	oprobe
GROUN	OWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		7'	
DATE	TIME	LE	VEL	TYF	PΕ	TYPE		Macrocore			DATE STARTED:	12	2/03/07	
						DIA.					DATE FINISHED:		2/10/07	_
						WT.					DRILLER:		Meade	
						FALL					GEOLOGIST:		arshma	
							DUCKET DE	ENETROMET	ER REA	DING	REVIEWED BY:		Connar	
			SAMP	1 =			TOOKETTI	INETHOMET		SCRIPTION		17.	ooma	
DEDTU			SAIVIP	BLO	wc	REC		CONCICT	DE				DEM	ARKS
DEPTH	CTDATA	NO	TVDE				COLOR	CONSIST			MATERIAL	uscs		Moist
FEET	STRATA		TYPE	PER	0	RQD%		HARD	Loomy		fine to fine to medium SAND,			MOIST
0		S-1	Grab				Dk. Brown				r, trace fine gravel.	SP	0.0	
									301116 01	iganic matte	r, trace fine graver.			
1														
							Lt. Brown				ND, trace coarse sand, little to	GP	7.2	Wet
2											ubround to round). MGP			
											k stained and coated with int MGP odor.			
3									partial S	aiurailuri, lä	int with out.			
									Concret	te Slab				
4		S-2	Macro			36"	Lt. Brown				e SAND, some poorly graded	GP	0.0	Dry
-		0-2				30				vel. No MGF		ai	0.0	ыу
-			core				/ Tan							
5														
6														
7														
										End (of boring: 7' bgs			
8														
9														
10														
10														
11				-										
12														
13														
14														
15														
16														
10														
17				-										
17														
18														
19														
20														
Commer				b encol	untere	d at 3' b	gs (perched	water). GP 3'	to 7' CS-	A-10 and	PROJECT NO.	11	175065	5
		GS-A	-16.								BORING NO.		GP-11	

				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:)GP-12	!
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:		17506	
BORING	CONTRA	CTOR					Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	PE	TYPE		Macrocore			DATE STARTED:	1	2/03/07	7
						DIA.					DATE FINISHED:	1	2/03/07	7
						WT.					DRILLER:	М	. Mead	е
						FALL					GEOLOGIST:	J. F	Harshm	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re
			SAMP	LE		-			DE	SCRIPTION	<u> </u>			
DEPTH					ows	REC		CONSIST			MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PE	R 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown		Loamy		fine to fine to medium SAND,	SP	0.0	Moist
			G.: G.:			1	J J.		with sor	me organic	matter, trace coarse sand and	0.		
									fine gra	vel, trace b	ricks and concrete.			to Dry
1														
							Brown				ND, trace coarse sand, trace	SP	0.5	Moist
2											poorly graded (subrounded), I, trace ALM.			to Dry
]			nace co	Jaise grave	, trade ALIVI.			
3]								
4														
						1								
5						1								
	************	S-2	Macro			38"	Lt. Brown		Loose t	o medium d	lense, medium to coarse	GP	0.0	·····
6		-	core			1	Lt. Brown		SAND,	trace fine sa	and, little to some fine gravel			
									(poorly	graded). No	MGP impact.			
7														
						1								
8														
0						-								
9											(1 1 011			
						-				End	of boring: 9' bgs			
10						4								
						4								
11														
12														
13														
14														
15						1								
						1								
16						1								
						1								
17						1								
						1								
18					H	1								
0						1								
19						1								
19						1								
					-	ł								
20		0.51.			4	<u> </u>	 -	D 014- 41			I		<u> </u>	<u> </u>
Commer	nts:							P 0' to 1' sampsample. GP 5'			PROJECT NO.		17506	
			20110 00	pic (20711	, 0	5 . 55 M Z 8	a.iipio. di 0	.5 5 50		BORING NO.)GP-12	
Ī											1			

				U	RS (Corpo	oration					TEST BORING	LOG		
												BORING NO:	П	GP-13	
PROJEC	CT:					KeySpa	an Hempstea	d MGP				LOCATION:	,	Area A	
CLIENT:	!						KeySpan					JOB NO.:	11	175065	5
BORING	CONTRA	CTOR	:				Fenley	& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE		TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	'PΕ	TYPE		Macrocore				DATE STARTED:	1:	2/03/07	
						DIA.						DATE FINISHED:	1:	2/03/07	
						WT.						DRILLER:	M	. Meade	Э
						FALL						GEOLOGIST:	J. F	larshm	an
						*	POCKET P	ENETROMET	ER REA	DIN	NG	REVIEWED BY:	K.	Connar	e
			SAMP					_	DE	SC	RIPTION		_		
DEPTH					ows	REC		CONSIST				MATERIAL			ARKS
FEET	STRATA	NO.	TYPE	PEI	R 6"	RQD%		HARD				ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown					fine to medium SAND, trace	SP	0.0	Moist
									coarse	sar	nd and fin	e gravel.			
1															
							Lt. Brown					D, with with some to little fine	GP	0.0	Dry
2									gravel (suk	orounded), trace coarse gravel.			
3															
4															
5															
		S-2	Macro			42"	Lt. Brown					to coarse SAND, little fine	GW	0.0	Dry
6			core						gravel (we	ll graded)	. No MGP impact.			
7															
8															
9															
											End	of boring: 9' bgs			
10															
11															
12															
13															
						1									
14															
15															
16															
						1									
17															
					L]									
18						1									
						1									
19						1									
						1									
20						1									
Commer	nts:	0-5' ir	nterval e	excava	ted wit	h post h	ole digger. G	P 1' to 5' sam	ple used	in		PROJECT NO.	11	175065	5
			osite sa					,				BORING NO.		GP-13	
		•													

SAND, organic matter, trace fine gravel. Lt. Brown Fine to coarse SAND, with some fine gravel (subrounded to round), trace coarse gravel. MGP impact at 2.5' to 3' bgs, black stained, coated, partially saturated, moderate, MGP odor. Concrete Slab					U	RS (Corpo	oration				TEST BORING	LOG		
DORING CONTRACTOR:												BORING NO:)GP-14	
BORING CONTRACTOR:	PROJEC	CT:					KeySpa	an Hempstea	ad MGP			LOCATION:		Area A	
ASA SAMPLE CORE TUBE TOPE TUBE TOPE TUBE TOPE TUBE															
DATE TIME LEVEL TYPE TYPE DIA Macrocore DATE STAPTED: 1204:07				l:									Hand Au		oprobe
DIA							ı	CAS.		CORE	TUBE				
WT.	DATE	TIME	LE	VEL	TY	PE	_		Macrocore						
FAIL															
SAMPLE BLOWS REC RODN COLOR MATERIAL USCS PID Moist							_								
DEPTH FEET STRATA NO. TYPE PER 8" ROD% COLOR HARD DESCRIPTION DESC								DOCKET DI	I ENETROMET	ED DEA	DING				
DEPTH FRET STRATA NO. Type PER 6" RQD% COLOR COLOR HARD DESCRIPTION USCS PID Molest				SAMP	l F			I					17.	Comma	-
PEET STRATA NO. TYPE PER 6" NO.7% COLOR NARD Lamy topsoil, very fire for the to medium SAND, organic matter, trace fine gravel SAND, with some fine gravel SAND, w	DEPTH			OAW		ows	REC		CONSIST					REN	IARKS
Dik. Brown SAND, organic matter, trace fine gravel (submounded to round), trace coarse gravel. MGP impact at 2.5 to 3 bgs, black stained, coated, partially saturated, moderate, MGP odor. Socrete Slab Socrete Slab Li. Brown SAND, with some fine gravel (submounded to round), trace coarse gravel. MGP impact at 2.5 to 3 bgs, black stained, coated, partially saturated, moderate, MGP odor. Core Socrete Slab Very fine to fine SAND, trace medium to coarse sand, trace to little fine gravel (submounded to round), trace of the stained, coated, partially saturated, moderate, MGP odor. Core Socrete Slab Very fine to fine SAND, trace medium to coarse sand, trace to little fine gravel. No MGP impact. Brown Gravel No MGP impact. Brown Gravel No MGP impact. End of boring: 8' bgs End of boring: 8' bgs End of boring: 8' bgs Concrete slab at - 3'bgs (perched water), SP 0' to 1' used in CS-A-2 sample. Comments: Concrete slab at - 3'bgs (perched water), SP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065		STRATA	NO.	TYPE				COLOR					USCS	-	
LL. Brown LL. Brown LL. Brown LL. Brown LL. Brown Fine to coarse SAND, with some fine gravel (subrounded to round), trace coarse gravel. MGP impact at 2.5 to 3 bgs, black stained, coated, partially saturated, moderate, MGP odor. At a Store Core Description of the provided by the	0		S-1	Grab						Loamy	topsoil, very	fine to fine to medium	SP	0.0	Moist
Li. Brown Li. Br										SAND,	organic mat	tter, trace fine gravel.			
Subrounded to round), trace coarse gravel. Subrounded to round, trace to a state, Subrounded to round, S	1														
MGP impact at 2.5 to 3' bgs, black stained, coated, partially saturated, moderate, MGP odor. Solvent in the standard of the s								Lt. Brown					GP	54.2	Wet
3 S-2 Macro 44° 3' to 4' Concrete Slab Very fine to fine SAND, trace medium to coarse sand, trace to little fine gravel. No MGP impact. GW 0.0 Most sand, trace to little fine gravel. No MGP impact. Dry graded fine gravel. No	2						1								
3															
S 2 Macro	3									oou.ou,	partially ou	taratou, modorato, mon odon			
Core										Concre	te Slab				
Solution	4		S-2	Macro			44"	3' to 4'					GW	0.0	Moist
Lt. Brown Medium dense, fine to coarse SAND, little well graded fine gravel. No MGP impact. Dry				Core				Dk. Brown		sand, tr	ace to little	fine gravel. No MGP impact.			
6	5							4' to 8'							
7								Lt. Brown							Dry
8	6									graded	fine gravel.	No MGP impact.			
8															
End of boring: 8' bgs	7														
End of boring: 8' bgs															
9	8														
10 11 12 13 14 15 16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample,											End	of boring: 8' bgs			
11	9														
11	40														
12	10						-								
12	11						1								
13 14 15 16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065	- ' '														
13 14 15 16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065	12														
14	12						1								
14	13														
15 16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065							1								
16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, OR All to 2' used in CS-A-2 sample, PROJECT NO. 11175065	14						1								
16 17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, OR All to 2' used in CS-A-2 sample, PROJECT NO. 11175065															
17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065	15						1								
17 18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065															
18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065	16														
18 19 20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, PROJECT NO. 11175065															
20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water).	17]								
20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water).															
20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CD 1'th 2' used in CS-A-5 sample,	18														1
20 Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CONCRETE Slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CD 1'th 2' used in CS-A-5 sample,															1
Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CR 1/10 3' used in CS-A-5 sample, CW 3' used in CS-A-2 sample, CR 1/10 3' used in CS-A-5 sample, CW 3' used in CS-A-2 sample, CW 3	19														1
Comments: Concrete slab at ~ 3'bgs (perched water). SP 0' to 1' used in CS-A-2 sample, CR 1/10 3' used in CS-A-5 sample, CW 3' used in CS-A-2 sample, CR 1/10 3' used in CS-A-5 sample, CW 3' used in CS-A-2 sample, CW 3							4								1
CD title Streed in CC A F comple CM/ Street CC A C comple			Care	rote ele	h ct	2'b~~	(norah a -	lwater\ CD	 	n CC A	O comple	DDG IFOT WA	<u> </u>		
BOHING NO. DGP-14	Commer	ıts:									z sample,		1		
			1									BORING NO.	-	7GF-14	

				UF	RS C	Corpo	ration				TEST BORING	LOG		
											BORING NO:		GP-15	
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:	11	175065	5
BORING	CONTRAC	CTOR:					Fenley	& Nicol			DRILLING METHOD:	Hand Au	ger/Ge	oprobe
GROUN	OWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYF	PE	TYPE		Macrocore			DATE STARTED:	1:	2/04/07	•
						DIA.					DATE FINISHED:	1:	2/10/07	•
						WT.					DRILLER:	M	Meade	Э
						FALL					GEOLOGIST:	J. F	larshma	an
						*	POCKET PE	NETROMET	ER REA	DING	REVIEWED BY:	K.	Connar	е
			SAMP	LE					DES	SCRIPTION				
DEPTH				BLO	ws	REC		CONSIST		ı	MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER	6"	RQD%	COLOR	HARD			SCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown				fine to medium SAND, little	SP	0.0	Moist
									organic	matter, trace	e fine gravel.			
1														
							Lt. Brown		Fine to	coarse SANI	D, little to some fine gravel	GP	0.0	Wet
2											, trace coarse gravel,			
									(perche	d water).				
3														
									Concret	e Slab				
4		S-2	Macro			38"	3.5' to 4.5'				ND, trace medium to coarse	GW	0.0	Moist
			core				Dk. Brown				el. No MGP impact.			
5			0010				4.5' to 8'							
Ŭ							4.0 10 0		Loose to	o medium de	ense, fine to coarse SAND,			Dry
6	6										to coarse gravel. No MGP			ыу
-									impact.					
7														
_														
8										End	of boring: 8' bgs			
										Ena	or boring: 8 bgs			
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
Commer	its:	Concr	ete slab	at ~3'	bgs (p	erched	water). GP 1	to 3' used in (CS-A-3 s	ample, GW	PROJECT NO.	11	175065	5
		used i	in CS-A	-10 and	GS-A	\-15 sam	nples.				BORING NO.		GP-15	

				U	RS (Corpo	ration					TEST BORING	LOG		
												BORING NO:	П	GP-16	
PROJEC	CT:					KeySpa	an Hempstea	ıd MGP				LOCATION:	,	Area A	
CLIENT:							KeySpan					JOB NO.:	11	17506	5
BORING	CONTRA	CTOR						& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE		TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TY	/PE	TYPE		Macrocore				DATE STARTED:	1:	2/04/07	•
						DIA.						DATE FINISHED:		2/04/07	
						WT.						DRILLER:		. Meade	
						FALL						GEOLOGIST:		larshm	
						*	POCKET P	ENETROMET	ER REA	DII	NG	REVIEWED BY:	K.	Connai	e
			SAMP	LE							RIPTION				
DEPTH					ows	REC		CONSIST				MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE		R 6"	RQD%	COLOR	HARD				ESCRIPTION	USCS		Moist
0		S-1	Grab				Dk. Brown		Loamy	top		fine to fine SAND, organic	SP	0.0	Moist
		0.	G G			1	J				ce fine gr		0.		
1															
							Lt. Brown		Fine to	CO	arse SAN	D, with some fine gravel.	GP	12.6	Moist
2						1	Lt. Diowii					, black stained soil, faint MGP	GI .	12.0	to Wet
									odor, ta	ar (v	viscous),	balck.			10 1101
3															
3									Concre	te !	Slah				
4		S-2	Marco			40"						ck to brown fine to medium		6.6	Dry
4		3-2	Core			40						coarse gravel. Faint MGP		0.0	ыу
5			Core						odor.						
5						1									
6															
0															
7						1									
8															
- 0									N	Mag	cro core s	tuck, unable to remove.			
9										v.a.		of Boring at 8'			
												or zormg an o			
10						1									
10						1									
11						1									
						1									
12						1									
						1									
13															
14						1									
						1									
15															
16						1									
						1									
17						1									
						1									
18						1									
						1									
19						1									
						1									
20						1									
Commer	nts:	Conci	ete slak	o at ~ 3	3' bgs	(perched	water). SP (o' to 1' part of	composi	te (CS-A-3	PROJECT NO.	11	17506	5
		samp	le, GP 1 sample.	I' to 3'	used i	n GP-A-8	3 sample, 3' t	o 8' used in b	oth CS-A	4-1	0 and GS	BORING NO.		GP-16	
		A-14	sample.												

PROJECT: KeySpan Hempetead MGP					UR	is c	Corpo	ration					TEST BORING	LOG		
DEPTH STRATA No. Type BLOWS BEC Feet STRATA No. Type Ber Strate Str													BORING NO:)GP-17	
BORING CONTRACTOR:	PROJEC	CT:					KeySpa	an Hempstea	ıd MGP				LOCATION:	,	Area A	
BORING CONTRACTOR:	CLIENT:							KeySpan					JOB NO.:	11	17506	5
SROUNDATER SAMPLE TYPE TYPE Macrocore DATE TRATED: 120307			CTOR	:					& Nicol							
DATE TIME LEVEL TYPE DATE STARTED: 120307	GROUN	DWATER:								CORE	TUBE		TOTAL DEPTH:		9'	
DIA. DATE INISHED: 12/05/07	DATE	TIME	LE	VEL	TYP	E	TYPE							1	2/03/07	,
Macro Pocket Penetrometres Reading Pocket Penetrometres Reading Pocket Penetrometres Reading Pocket Penetrometres Reading Revieweb By: K. Connaro DESCRIPTION Revieweb By: R. Connaro DESCRIPTION	57112					_			Macrocord							
FALL GEOLOGIST: J. Harshman																
SAMPLE SAMPLE DESCRIPTION DESCRIPTION DESCRIPTION USCS PID Moist																
SAMPLE DESCRIPTION								POCKET DI	I ENETROMET	FR RFA	DING					
DEPTH STRATA No. Type PER strain No. Type T			!	CAME	L			I	LIVETTIONIET			_	ILLVIEWED D1.	11.	Comma	
STRATA No. TYPE PER 6" ROD% COLOR HARD DESCRIPTION USCS PID Molest	DEDTU			SAME		NC.	DEC		CONCICT	I DE	3CHIP IIC		AATEDIAL		DEM	ADKC
Div. Brown S-1 Grab Div. Brown United States and States St		CTDATA	NO	TVDE				COLOB						Hece		
with some organic matter (cots), some fine gravel. Pad Dik, Brown Fill material. Red brick with some fine to medium sand, some fine gravel.		SINAIA		_	PEN	0	nQD /o		ПАПО	Loomy						MOISE
Red Dik. Brown Brown to Lt. Brown Sand, some fine gravel. S 2 Macro 48° Lt. Brown Core Macro 10 Macro	0		5-1	Grab	-			DK. Brown							0.0	
Red Dk. Brown Sand, some fine to medium sand, some fine to medium sand, some fine gravel. Comments: Comments:												•	iano: (10010); 001110 11110	Fill		
Dix. Brown Sand, some fine gravel. Dix. Brown Shown to Show	1									-						
St. Discovered by the content of the								Red							0.0	
S.2 Macro 48" Lt. Brown Lose to medium dense, fine to medium SAND, little fine to coarse gravel (well graded). No MGP impact. S.2 Macro core Lt. Brown Lose to medium dense, fine to medium SAND, little fine to coarse gravel (well graded). No MGP impact. End of boring: 9' bgs End of boring: 9' bgs Comments: 0-5' interval excavated with post hole digger.	2							Dk. Brown			-	-				
S-2 Macro								Brown to						GP	0.0	Moist
4 S.2 Macro 48" Lt. Brown Loose to medium dense, fine to medium SAND, SW 0.0 Dry little fine to coarse gravel (well graded). No MGP impact. S.2 Macro Core S.2 Macro Core S.2 Macro Core S.3 Macro Core S.4 Macro Core	3							Lt. Brown			nded to ro	oun	ded), trace silt, trace coarse			to Dry
S-2 Macro										graver.						
S-2 Macro 48" Lt. Brown Lose to medium dense, fine to medium SAND. SW 0.0 Dry	4															
S-2 Macro 48" Lt. Brown Lose to medium dense, fine to medium SAND. SW 0.0 Dry																
Core	5															
Core			S-2	Macro			48"	Lt. Brown						SW	0.0	Dry
Impact. Impa	6			core							e to coars	e g	ravel (well graded). No MGP			
8										impact.						
8	7															
9	,															
9	8															
End of boring: 9' bgs 10 11 12 13 14 15 16 17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065					\vdash											
End of boring: 9' bgs 10 11 12 13 14 15 16 17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065	0															
10	9										En	ad a	of harings O' has			
11	10				- +							iu c	or borning. 9 bgs			
12	10				\vdash											
12	- 44				\vdash											
13	11				-											
13					\vdash											
14	12															
14																
15	13															
15																
16 17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065	14															
16 17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065																
17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065	15															
17 18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065																
18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065	16															
18 19 20 Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065																
19 20 PROJECT NO. 11175065	17															
19 20 PROJECT NO. 11175065																
19 20 PROJECT NO. 11175065	18															
20 PROJECT NO. 11175065																
20 PROJECT NO. 11175065	19															
Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065																
Comments: 0-5' interval excavated with post hole digger. PROJECT NO. 11175065	20															
		nts:	0-5' iı	nterval e	excavate	d witl	h post ho	ole digger.	<u>I</u>	1			PROJECT NO	11	17506	5
Bottime No.	Comme		•													
			•													

100000000000	-				U	RS (Corpo	ration				TEST BORING	GLOG		
DESTRICTOR Femory Name Destrict Part												BORING NO:	[OGP-18	
SORBING CONTRACTOR:	PROJEC	CT:					KeySpa	an Hempstea	ad MGP			LOCATION:		Area A	
CAS. SAMPLE CORE TUBE TOPE TYPE TYPE Macrocore DATE FINATED: 1203077	CLIENT:	!						KeySpan				JOB NO.:			
DATE TIME LEVEL TYPE DATE DATE STARTED: 120307 12030	BORING	CONTRAC	CTOR					Fenley	& Nicol			DRILLING METHOD:	Hand Au	uger/Ge	oprobe
	GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
WT.	DATE	TIME	LE	VEL	TY	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/03/07	,
SAMPLE							DIA.					DATE FINISHED:	1	2/03/07	,
SAMPLE SOUTH STRATA NO. TYPE PER 8" ROD'S ROD'S COLOR HARD DESCRIPTION DESCRIP							WT.					DRILLER:	М	. Mead	е
DESCRIPTION							FALL					GEOLOGIST:	J. H	Harshm	an
DEPTH STRATA NO TYPE PER 8" ROD% COLOR MAND DESCRIPTION USCS PID Market							*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re
STRATA No. TYPE PER 6" NGO% COLOR HARD DESCRIPTION DES				SAMP	LE					DE	SCRIPTION				
O	DEPTH				BLC	ows	REC		CONSIST			MATERIAL		REM	IARKS
1	FEET	STRATA	NO.	TYPE	PE	R 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
1	0		S-1	Grab				Dk. Brown		Loamy	topsoil, fine	to medium SAND, some fine	GP	0.0	Moist
1										to coars	se gravel. C	oncrete slab.	Fill		to Drv
Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete blocks to rubble. Concrete slab? Concrete s	1														10,
2 S-2 Macro Corre A2" Dix. Brown 3" to 5", Fine to medium SAND, trace fine gravel. GP 0.0 Mois Corre Cor		·····					1		<u> </u>	Concret	e slab? Cor	ncrete blocks to rubble.	1	†	
3	2						1								
S-2 Macro							1								
S-2 Macro	2						1								
Core	3		G_0	Maara		-	40"	Dk Brann	-	3' to 5'	Fine to med	dium SAND trace fine gravel	CD	0.0	Maiat
Signature Sign	4		3-2				42	טאר. Brown		0 10 3,		adin or itab, liade lille gravel.	GP GP	0.0	IVIOIST
S' to 8', Loose to medium dense, fine to medium to coarse SAND, little to some fine gravel, trace coarse gravel. No MGP impact. PROJECT NO. Dry	4			core			-								
S' to 8', Loose to medium dense, fine to medium to coarse SAND, little to some fine gravel, trace coarse gravel. No MGP impact. PROJECT NO. Dry							-								
to coarse SAND, little to some fine gravel, trace coarse gravel. No MGP impact. End of boring: 8' bgs End of boring: 8' bgs 10 11 12 13 14 14 15 16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	5									51 to 01		- di d			
Coarse gravel. No MGP impact. Coarse gravel. Coarse gravel															Dry
7	6														
8											9. 4 4				
End of boring: 8' bgs	7														
End of boring: 8' bgs															
9	8														
10											End	of boring: 8' bgs			
11	9														
11															
12	10														
12															
13	11														
13															
13	12						1								
14 15 16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	- `-						1								
14 15 16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	13						1								
15 16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	.5						1								
15 16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	1/						ł								
16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	14						1								
16 17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	15						1								
17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	15						1								
17 18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	40						1								
18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	16						1								
18 19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065							4								
19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	17						1								
19 20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065							1								
20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	18						1								
20 Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065							1								
Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065	19]								
Comments: Concrete slab at ~1' bgs. GP 0' to 1' used in CS-A-2 sample. PROJECT NO. 11175065]								
	20						<u></u>								
	Commer	nts:	Conci	rete slat	at ~1	bgs.	GP 0' to	1' used in CS	S-A-2 sample.			PROJECT NO.	1.	117506	5
			•												
			•												

				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:		OGP-19	
PROJEC	CT:					KeySpa	ın Hempstea	ad MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:		117506	
BORING	CONTRAC	CTOR	:				Fenley	/ & Nicol			DRILLING METHOD:	Hand at	uger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/04/07	7
						DIA.					DATE FINISHED:		2/06/07	
						WT.					DRILLER:		. Mead	
						FALL					GEOLOGIST:		Harshm	
							POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:		Conna	
			SAMP	l F						SCRIPTION				
DEPTH			<u> </u>		ows	REC%		CONSIST	1		MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE		R 6"	RQD%	COLOR	HARD			ESCRIPTION	uscs		Moist
0	JIIIAIA	S-1	Grab				Dk. Brown	HAILD	Loamy		fine to fine to medium SAND,	SP	0.0	Moist
0		3-1	Grab				DK. DIOWII				and fine gravel.	SF	0.0	MOIST
1									<u> </u>				<u> </u>	
						-	Lt. Brown				coarse SAND, with some fine round), poorly graded.	GP	0.0	Dry
2						1			Ĭ ,		70			
3														
4						1			Concret	te slab?				
_		S-2	Macro			46"	Dk. Brown				fine to medium SAND, little	GP	0.0	Moist
5			core						fine gra	vel.				
6														
											nse, fine to medium to coarse			
7						-			SAND,	with some fi	ne gravel			
8						1								
			•											
9										End	of boring: 9' bgs			
10										Liid	or borning. Or bys			
11														
12						1								
13						-								
13						1								
14														
15														
16														
17						1								
]								
18														
19						1								
]								
20 Commer	nts:	0-5' ir	nterval e	xcava	ted wit	h post ho	ole digger.				PROJECT NO.	1.	117506	5
Sommer			0	🛥		,	33***				BORING NO.	1	DGP-19	
IL														

				U	RS (Corpo	ration				TEST BORING	LOG		
						•					BORING NO:)GP-20	
PROJEC	T:					KevSna	an Hempstea	nd MGP			LOCATION:		Area A	
CLIENT:						. to jop.	KeySpan				JOB NO.:		17506	5
	CONTRAC	CTOR	:					& Nicol			DRILLING METHOD:	Hand Au		
	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		16'	•
DATE	TIME	LF	VEL	TV	PE	TYPE		Macrocore	-		DATE STARTED:	1	2/04/07	,
DAIL	111112		·		<u> </u>	DIA.		WIGOTOGOTO			DATE FINISHED:		2/07/07	
						WT.		<u> </u>			DRILLER:		. Meade	
						FALL		<u> </u>			GEOLOGIST:		- Weda	
							POCKET P	ENETROMET	FR RFA	DING	REVIEWED BY:		Connai	
			SAMP	l F						SCRIPTION			l l	
DEPTH			0,		ows	REC		CONSIST	1		MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE		R 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist
0	UIIIAIA	S-1	Grab			HQD /0	Dk. Brown	TIATIB	Loamy		fine to medium SAND,	SP	0.0	Moist
1		3-1	Clab				DK. BIOWII		,		ts), trace fine gravel.	31	0.0	MOIST
2							Lt. Brown				ID, little to some fine gravel, e coarse gravel.	GP		Dry
_									Concret	te slab				
3		S-2	Macro			32"	3' to 5'				ID, little fine gravel.	GP	172.0	Moist
		0 2	core				Brown /				, .	۵.	1,72.0	Wiolot
4			00.0			1	Orange							
							Orango							
5									5' to 7' I	MGP impact	ted SAND and GRAVEL, black			
						1					, little tar (gooey and viscous,			
6						-			moist),	possibly sor	me coal, moderate MGP odor.			
						-								
7						-								
		S-3	Macro			40"			7' to 10'	'. MGP impa	acted SAND and GRAVEL,	GP	108.0	Moist
8			core			1					rated, tarry. Moderate MGP	G.		Wiolot
									odor.					
9									10' to 1	1', MGP imp	pact, black stained and coated			Moist
									SAND a	and GRAVE	L. Moderate MGP odor.			
10														
11														
		S-4	Macro			40"					ND and GRAVEL, black,	GP	181.0	Wet
12			core								wet with product (DNAPL), of Macrocore. Strong MGP			
									odor.	wood in tip	or Madrodoro. Otrong Mar			
13						1								
					ļ	4								
14						4								
4.5					-	ł								
15						-			MCD i~	nacted con	d and gravel. Macrocore			
16						ł				ipacied san at 16' bgs.	u anu graven. Macrocore			
10											of boring: 16' bgs			
17						ł				LIIU	5. 25mg. 10 bgs			
						ł								
18						1								
						1								
19						1								
						1								
20						1								
Commen	nts:	Conci	rete slab	at ~2	bgs.	SP 0' to	1' used in CS	S-A-3 sample,	GP 3' to	7' used in	PROJECT NO.	11	17506	5
22		CS-A	-7, used					and GP 11' to			BORING NO.)GP-20	
		samp	le											

				UF	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:		OGP-21	
PROJEC	T:					KeySpa	an Hempstea	ıd MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:	11	117506	5
BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au	uger/Ge	oprobe
GROUNI	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		15'	
DATE	TIME	LE	VEL	TYP	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
						DIA.					DATE FINISHED:		2/04/07	
						WT.					DRILLER:	М	. Mead	е
						FALL					GEOLOGIST:		Harshm	
						*	POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re
		•	SAMP	LE					DES	SCRIPTION				
DEPTH				BLO\	ws	REC		CONSIST			MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PER		RQD%	COLOR	HARD		Di	ESCRIPTION	USCS		Moist
0		S-1	Grab				Dk. Brown		Loamy t	opsoil, very	fine to fine to medium SAND,	SP	0.0	Moist
									organic	matter (root	s), trace fine gravel.			
1														
							Lt. Brown			medium to d	coarse SAND, little to some	GP	0.7	Dry
2				_			3.0				nd to round). No MGP impact.	<u> </u>		,
3				_										
-				_										
4														
5														
		S-2	Macro			47"	Dk. Brown		Loose, ı	medium to c	oarse SAND, trace to little fine	GW	0.0	Moist
6			core				to				led fine to coarse gravel. No			to Dry
							Lt. Brown		MGP im	pact.				
7														
8														
9														
10														
		S-3	Macro			24"	Brown				to medium to coarse SAND,	GW	0.0	Moist
11			core							to coarse (gravel (well graded). No MGP			to Dry
									impact.					
12														
13														
14			[
15														
]							End c	of Boring: 15' bgs			
16														
17														
18														
19														
20		_												
Commen	nts:	Ecava	ate 0'-5'	bgs by	nand	auger.					PROJECT NO.		117506	
											BORING NO.		OGP-21	

				U	RS (Corpo	ration				TEST BORING	LOG		
						-					BORING NO:		GP-22	
PROJEC	CT:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:	11	17506	5
BORING	CONTRAC	CTOR	:					& Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TY	PΕ	TYPE		Macrocore		_	DATE STARTED:	1	2/03/07	,
						DIA.					DATE FINISHED:		2/06/07	
						WT.					DRILLER:		. Mead	
						FALL					GEOLOGIST:		larshm	
							POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:		Connai	
			SAMP	l F						SCRIPTION			J	•
DEPTH			OAIVII		ows	REC		CONSIST	1		MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PE		RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist
0	JIIIAIA	S-1	Grab			TIQD /8	Dk. Brown	HAILD	Loamy		fine to fine to medium SAND,	SP	0.0	Moist
-		3-1	Grab			ł	DK. DIOWII				ce coarse gravel.		0.0	WOIST
						ł				·	· ·	Fill		
1									Eine te	madium ta	accros CAND with little to			
							Lt. Brown				coarse SAND, with little to ubrounded to rounded), poorly	GP	0.0	
2											e gravel, some concrete.	Fill		
									Refusal	on slab at 3	3' bgs.			
3														
										te Slab?				
4		S-2	Macro			36"	Lt. Brown				lense, fine to medium to coarse	GP	0.0	Dry
			core							. No MGP i	o coarse gravel (poorly			
5									graded)	. No Mai	mpact.			
6														
						1								
7						1								
						1								
8														
										End	of boring: 8' bgs			
9						1								
10						•								
						1								
11						1								
						-								
10						ł								
12														
-10					-	ł								
13						ļ								
14						-								
						ł								
15														
16														
17														
18														
19														
						1								
20						1								
Commer	nts:	Conci	rete slat	at ~3	bgs.	Grab sar	mples collecte	ed via post ho	le dig.		PROJECT NO.	11	17506	5
2311111131					-		,		J		BORING NO.	1	GP-22	
												_		
											1	<u> </u>	l .	

				URS	Corpo	oration					TEST BORING	LOG		
											BORING NO:)GP-23	
PROJEC	CT:				KeySp	an Hempstea	ad MGP				LOCATION:	,	Area A	
CLIENT:						KeySpan					JOB NO.:		17506	
BORING	CONTRA	CTOR	:			Fenley	/ & Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUBI	E	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1	2/04/07	
					DIA.						DATE FINISHED:	1	2/06/07	•
					WT.						DRILLER:	М	. Mead	Э
					FALL						GEOLOGIST:	J. F	larshm	an
						* POCKET P	ENETROMET	ER REA	DING		REVIEWED BY:	K.	Connai	е
			SAMP	LE				DE	SCRIPTI	ON				
DEPTH				BLOWS	REC		CONSIST			I	MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER 6'	RQD%	COLOR	HARD			DE	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab			Dk. Brown					to medium SAND, some fine	SP		
								to coars	se gravel	. Co	oncrete slab.			
1														
						Lt. Brown		Fine to	medium	to c	oarse SAND, with some fine	GP	0.0	Moist
2											bround to round). Trace to			to Dry
									ck staine apth odo		oil and ALM/clinker. Vey faint			
3								WGP/N	арит офо	١.				
4														
5														
		S-2	Macro			Lt. Brown	†	Loose,	fine to m	ediu	um to coarse SAND, with	GW	0.0	Dry
6 core / Orange								some w			e to coarse gravel. No MGP			2.,
								impact.						
7														
8														
									Е	nd (of boring: 8' bgs			
9											ů ů			
10														
11														
12														
13														
10														
14														
15														
10														
16														
10														
17					-									
- ' '					\dashv									
18					\dashv									
10					-									
10					-									
19														
- 00														
20		0' to 5	l 5' intor:	al execuet	ad by post	ole digger/b	and auger. SP	and CD	0' to 5'		Inno Inot No	<u> </u>	47500	
Commer	nts:						and auger. SP 8' CS-A-7 sai		0 10 5		PROJECT NO.		17506	
1								•			BORING NO.	L	GP-23	
I <u>I</u>												1		

				URS	Corpo	ration					TEST BORING	LOG		
											BORING NO:)GP-24	
PROJEC	T:				KeySpa	an Hempstea	d MGP				LOCATION:	,	Area A	
CLIENT:						KeySpan					JOB NO.:		17506	
BORING	CONTRAC	CTOR	:			Fenley	& Nicol				DRILLING METHOD:	Hand Au		oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	T	UBE	TOTAL DEPTH:		16'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1	2/04/07	,
					DIA.						DATE FINISHED:	1.	2/12/07	,
					WT.						DRILLER:	М	. Mead	Э
					FALL						GEOLOGIST:	J. F	Harshm	an
					*	POCKET P	ENETROMET	ER REA	DING	3	REVIEWED BY:	K.	Connai	e
		•	SAMP	LE	-			DE	SCR	IPTION				
DEPTH				BLOWS	REC		CONSIST				MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD			D	ESCRIPTION	USCS		Moist
0		S-1	Grab			Dk. Brown		Loamy	tops	oil, very	fine to medium SAND,	SP	0.0	Moist
								organic	mat	ter, trac	e fine gravel.			
1														
						Lt. Brown		Fine to	coar	se SAN	ID, little to some fine gravel	GP	0.0	Dry
2						Lt. Diowii					round). No MGP impact.	GI .	0.0	ыу
3					-									
					_									
4					_									
					_									
5								<u> </u>		0.44	ID (" 140 D			
		S-2	Macro		24"	Lt. Brown				se SAN	ID, some fine gravel. No MGP	GP	0.0	Moist
6			core					impact.	•					Dry
7														
8														
9														
		S-3	Macro		34"	Lt. Brown					se SAND, little to some fine	GW	0.0	Dry
10			core			/ tan		gravel ((well	graded)). No MGP impact.			
11														
12														
		S-4	Macro		44"	Lt Brown		Loose.	fine t	to coars	se SAND, little fine gravel (well	GW	0.0	Dry
13		0 +	core			/ tan					to round. No MGP impact.	avv		ыу
			3016		-	, ιαπ		<u> </u>						
14					-									
14					-									
15					-									
15					-									
10					-									
16					1					F1	of boring:16! bas			
<u> </u>					4					⊨nd	of boring:16' bgs			
17					4									
<u> </u>					4									
18					4									
19														
20					<u> </u>			<u></u>				<u> </u>		
Commer	nts:	0-5' ir	nterval e	excavated by	hand au	ger. GP 0' to	1' used in CS	S-A-3 san	mple.		PROJECT NO.	11	17506	5
		in									BORING NO.		GP-24	

				URS	Corpo	oration					TEST BORING	LOG		
											BORING NO:		OGP-25	
PROJEC	CT:				KeySpa	an Hempstea	d MGP				LOCATION:	ı	Area A	
CLIENT:						KeySpan					JOB NO.:	1.	1175065	5
BORING	CONTRAC	CTOR	:				& Nicol				DRILLING METHOD:	Hand Au	uger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TU	BE	TOTAL DEPTH:		16'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1	2/04/07	
					DIA.						DATE FINISHED:	1	2/05/07	
					WT.						DRILLER:	М	. Meade	
					FALL						GEOLOGIST:	J. H	Harshma	an
					*	POCKET P	ENETROMET	ER REA	DING		REVIEWED BY:	K.	Connar	e
			SAMP	LE				DE	SCRIP	TION				
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			Dk. Brown					fine to medium SAND, little	SP	0.0	Moist
								organic	matte	r, trac	e fine gravel.			
1														
						Lt. Brown		Fine to	coarse	SAN	ID, little to some fine gravel.	GP	14.7	Moist
2											plack stained soil and gravel,			to Dry
								faint MO	JP odd	or.				
3														
4														
5														
		S-2	Macro		16"	Lt. Brown		Medium	n dense	e to d	ense. MGP impacted, black	GP	14.7	Moist
6		_	core								. Coarse SAND and fine			
								GRAVE odor, m		e ALN	M. Faint to moderate MGP			
7								odor, m	ioist.					
8														
9														
		S-3	Macro		14"	Black		Black s	aturate	ed SA	ND and GRAVEL (DNAPL),	GP	208.0	
10			core					modera	te to s	trong	MGP odor			
11														
12														
		S-4	Macro		10"			DNAPL	satura	ated S	SAND and Gravel, black,	GP	1777	Wet
13		_	core								sent, very strong MGP odor.	G.:		
14														
15														
					_			DNAPL	satura	ated. F	Refusal at 16' bgs			
16											· ·			
										End	of boring: 16'bgs			
17											g			
.,														
18														
10														
19					\dashv									
13					\dashv									
20					-]
	oto:	0-5' ir	i nterval <i>e</i>	excavated h	v hand au	ger, GP 1' to	5' sample use	ed in GS	-A-6 sa	amnle	PROJECT NO.	1	17506	
Commer	ແຈ.	GP 9'	' to 12' ι	sed in CS-	A-8 sampl	e, GP 12' to	16' CS-A-8 sa	mple.		zpic	BORING NO.)GP-25	
													-GI -ZJ	

				UR	S Corp	oration				TEST BORING	LOG		
					_					BORING NO:		GP-26	
PROJEC	CT:				KeySp	an Hempstea	ad MGP			LOCATION:		Area A	
CLIENT:						KeySpan				JOB NO.:	11	17506	5
BORING	CONTRAC	CTOR	:				/ & Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
	DWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore		_	DATE STARTED:	1	2/03/07	
					DIA.		Madrocord			DATE FINISHED:		2/06/07	
					WT.					DRILLER:		. Mead	
					FALL					GEOLOGIST:		larshm	
						* DUCKET D	<u>I</u> ENETROMET	ER REA	DING	REVIEWED BY:		Connai	
			SAMP	 E		T	LIVETHOMET		SCRIPTION		17.	Comina	0
DEPTH			JAINIF	BLOW	S REC%		CONSIST			MATERIAL		DEM	ARKS
FEET	STRATA	NO.	TYPE				HARD			ESCRIPTION	USCS		Moist
	SIRAIA		Grab	PERO	hQD7		ПАПО	Loamy		to medium SAND, with organic		0.0	
0		S-1	Grab			Dk. Brown			trace fine g		_	0.0	Moist
									9.		Fill		
1								<u>-</u>		0.44 ID			
						Lt. Brown				coarse SAND, with little to ubrounded), poorly. Concrete	GP	0.0	
2									countered a		Fill		
								0		- 3 -			
3													
									e Slab?				
4		S-2	Macro		42"	3' to 5'			Very fine to	fine SAND, trace to little fine	GW	0.0	Moist
			core			Dk. Brown		gravel.					
5						5' to 8'							
						Lt. Brown				dium to coarse SAND, little fine			Dry
6								gravel.	No MGP im	pact.			
7													
8													
									End	of boring: 8' bgs			
9					_								
3													
10													
10													
11					_								
11													
12					_								
					_								
13													
14													
					_								
15													
16													
17													
18													
19													
20													
Commer	nts:	Conci	rete slat	o at ~3' b	gs.	1				PROJECT NO.	11	17506	
Sommer					-					BORING NO.	1	GP-26	
											<u> </u>	20	
<u> </u>										1	<u> </u>		

				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:)GP-27	
PROJEC	CT:					KeySpa	an Hempstea	ad MGP			LOCATION:	ı	Area A	
CLIENT:							KeySpan				JOB NO.:	1.	117506	5
BORING	CONTRAC	CTOR	:					& Nicol			DRILLING METHOD:	Hand Au	ıger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	PE	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
						DIA.					DATE FINISHED:		2/06/07	
						WT.					DRILLER:		. Mead	
						FALL					GEOLOGIST:		Harshm	
							POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:		Conna	
			SAMP	LE				_		SCRIPTION				_
DEPTH			<u> </u>	BLC	ws	REC%		CONSIST	1		MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PEF		RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist
0		S-1	Grab			110,2 70	Dk. Brown		Loamy t		fine to fine to medium SAND,	SP	0.0	Dry
0		0-1	Ciab				DR. DIOWII				e fine gravel.	Fill	0.0	Diy
-						-					-	FIII		
1							D		Eino to	modium to	coarse SAND, some fine to	0.0		_
-							Lt. Brown		coarse	gravel. No N	MGP impact.	GP	0.0	Dry
2						1			,		la se a qu	Fill		
						4								
3									Car	-0				
						1			Concret	.e :				
4		_							1			0.5	2.2	_
		S-2	Macro			52"	Lt. Brown				ense, medium to coarse e fine gravel (subround to	GP	0.0	Dry
5			core								ed. No MGP impact.			
									, ,	poon, graa	out to man impact			
6														
7														
8														
9														
										End	of boring: 9' bgs			
10														
11														
12														
						1								
13						1								
.0						1								
14						1								
17						1								
15						1								
15						1								
10						1								
16						1								
						ł								
17						1								
						1								
18						1								
						4								
19														
]								
20						<u></u>								
Commer	nts:	Hnad	auger r	efusal	at ~3'	bgs on c	oncrete.				PROJECT NO.	11	117506	5
											BORING NO.	1	OGP-27	
		•												

				U	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:)GP-28	
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:	1.	17506	5
BORING	CONTRAC	CTOR					Fenley	& Nicol			DRILLING METHOD:	Hand Au	ıger/Ge	oprobe
GROUNI	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		18'	
DATE	TIME	LE	VEL	TY	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
						DIA.					DATE FINISHED:	1	2/05/07	,
						WT.					DRILLER:	М	. Mead	e
						FALL					GEOLOGIST:	J. l	Harshm	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Connai	re
	•		SAMP	LE		-			DE	SCRIPTION				
DEPTH				BLC	ows	REC		CONSIST			MATERIAL		REN	IARKS
FEET	STRATA	NO.	TYPE	PEI	R 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown		Loamy	topsoil, orga	anic matter, very fine to	SP	0.0	
			ŀ						medium	SAND, trad	ce fine gravel.			
1						1								
			ŀ				Lt. Brown		Fine to	coarse SAN	ID, with some fine gravel	GP	0.0	Dry
2			ŀ				Lt. Diowii				round). No MGP impact.	GI.	0.0	Diy
_			-											
3			-											
					 	1								
4			ŀ			-								
_			ŀ			1								
5			ŀ			1								
		S-2	Macro			13"	Dk. Brown		Loose to	n medium d	ense, medium to coarse	GP	0.0	Dry
6		3-2	core			- '3	/ Lt. Brown				ravel, trace coal. No MGP	GI .	0.0	Dry
- 0			00.0				/ Lt. DIOWII		impact.	_				
7			ŀ			1								
-			ŀ			-								
8			ŀ			1								
0			ŀ			-								
9			ŀ											
		S-3	Macro			28"	10' to 13'		9' to10'.	MGP impa	cted sand and gravel, black	GP	98.2	Wet
10		0 0	core				Lt. Brown				. Moderate MGP odor	a.	00.2	1
			00.0				/ Orange							
11			ľ				, Grange							
			ŀ						10' to 1	3', medium o	dense, medium to coarse			Dry
12			ŀ			-			SAND,	little fine gra	evel. No MGP impact.			
			ŀ			1							392.0	
13			ŀ			-								
		S-4	Macro			46"		†····			pacted. Black stained fine to	GW	t	
14			core			1					ine gravel. Faint to moderate	··•		
						1			MGP oc	dor. No DNA	APL.			
15			 		i	1	15' to17'				arse SAND, some well graded		00.0	Moist
			 		i	1	Lt. Brown		fine gra	vel. 2" band	of black stained sand at 16.5'.		80.0	to Dry
16						1			MGP im	pacted				
						1								
17						1								
		S-5	Macro			0			Macroc	ore refusal o	on possible concrete.			
18			core											
										End o	of boring: 18' bgs			
19						1								
						1								
20						1								
Commen	its:	0-5' ir	iterval e	xcava	ted by	hand au	ger. GW 13'	to 15' sample	used gro	oup 2	PROJECT NO.	1.	17506	5
		samp			•				-	•	BORING NO.)GP-28	
												_		

				U	RS (Corpo	ration					TEST BORING	LOG		
												BORING NO:		GP-75	
PROJEC	CT:					KeySpa	an Hempstea	d MGP				LOCATION:	,	Area A	
CLIENT:	!						KeySpan					JOB NO.:	11	175065	5
BORING	CONTRAC	CTOR	:				Fenley	& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TU	JBE	TOTAL DEPTH:		7'	
DATE	TIME	LE	VEL	TY	PE	TYPE		Macrocore				DATE STARTED:	1:	2/04/07	'
						DIA.						DATE FINISHED:	1	2/10/07	
						WT.						DRILLER:	М	. Meade	9
						FALL						GEOLOGIST:	J. F	larshma	an
						*	POCKET PI	ENETROMET	ER REA	DING		REVIEWED BY:	K.	Connar	e
			SAMP	LE		-			DE	SCRIF	PTION				
DEPTH					ows	REC		CONSIST				MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PE	R 6"	RQD%	COLOR	HARD			DI	ESCRIPTION	USCS		Moist
0		S-1	Grab				Dk. Brown		Loamy	topsoi		fine to medium SAND, little	SP	0.0	
						1						e fine gravel.			
1															
<u>'</u>						-	I d. Dwaren		Fine to	coars	e SAN	D, little to some fine gravel.	GP	198.0	\^/ a+
				-		-	Lt. Brown					, black stained and coated soil,	GP	190.0	Wet
2				-								terial (viscous), moderate			
				ļ	-	4			MGP od	dor, w	et, she	een.			
3									0	. 0					
				<u> </u>					Concret			OD: 1 1 11 12 13 13			
4		S-2	Macro			28"	3.5' to 4'					GP impacted, slightly coated,	GP	0.0	
			core				Black to		iaiii ivic	3F 00	01, 501	ne what tarry.			
5							Brown								
							4' to 7'					rse SAND, some poorly graded			Dry
6							Lt. Brown		fine gra	vel (sı	ubroun	nd to round). No MGP impact.			
7															
											End	of boring: 7' bgs			
8						1						9 -9-			
9						1									
10															
10															
- 11						-									
11															
						_									
12															
						_									
13															
						4									
14															
						1									
15															
16															
17						1									
						1									
18						1									
						1									
19					 	1									
13						1									
20					-	ł									
	to.	Conc	rete elek	l nat∼o	l has /	nerchad	water) GP 1	'to 3' used in	CS-A-4 s	ample	GP.	DDO IECT NO		17500	
Commer	ilS:		in CS-A				waterj. Or T	io o useu iii i	00-71 -4 8	ample	, ui	PROJECT NO.		175065	
l		<u>.</u>										BORING NO.	L	GP-75	
1												1		1	

				U	RS (Corpo	ration				TEST	BORING	LOG		
											BORING NO:			GP-76	
PROJEC	CT:					KeySpa	an Hempstea	d MGP			LOCATION:			Area A	
CLIENT:	!						KeySpan				JOB NO.:		11	17506	5
BORING	CONTRA	CTOR	:				Fenley	& Nicol			DRILLING METH	IOD:	Hand Au		oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:			8'	
DATE	TIME	LE	VEL	TY	/PE	TYPE		Macrocore			DATE STARTED):	1	2/04/07	•
						DIA.					DATE FINISHED	:	1	2/04/07	'
						WT.					DRILLER:		М	. Mead	Э
						FALL					GEOLOGIST:			larshm	
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:		K.	Conna	e
			SAMP			•		•	DE	SCRIPTIO			T		
DEPTH					ows	REC		CONSIST			MATERIAL				ARKS
FEET	STRATA	NO.	TYPE	PE	R 6"	RQD%	COLOR	HARD			ESCRIPTION		USCS	PID	Moist
0		S-1	Grab				Dk. Brown				y fine to medium Sace fine gravel.	AND, some	SP	0.0	Dry
									organic	matter, tra	ce line gravei.				
1															
							Lt. Brown				ND, little to some fir		GP	52.7	Wet
2											2.5', blacked staine ar phase material (
										te MGP oc		,			
3															
									Concre						
4		S-2	Macro			41"	Lt. Brown				e to coarse SAND, No MGP impact.	some poorly	GP	0.0	Dry
			core						graded	ille gravei	No MGP Impact.				
5															
6															
7															
8															
										End	of boring: 8' bgs				
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
Commer	nts:							'to 3' used in	CS-A-3 s	ample, GP				17506	
<u> </u>		usea	ırı US-A	-9 and	1 GS-A	-13 sam _l	ues.				BORING NO.			GP-76	

				UI	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:		GP-77	
PROJEC	T:					KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:		175065	
BORING	CONTRAC	CTOR:					Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	OWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		8'	
DATE	TIME	LE	VEL	TYI	PE	TYPE		Macrocore			DATE STARTED:	1:	2/04/07	
						DIA.					DATE FINISHED:	1:	2/10/07	
						WT.					DRILLER:	M	. Meade	e
						FALL					GEOLOGIST:	J. F	larshma	an
						*	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Connar	e
			SAMP	LE					DE	SCRIPTION				
DEPTH				BLO	ws	REC		CONSIST			MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER	R 6"	RQD%	COLOR	HARD		DE	SCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown		Loamy	topsoil, very	fine to medium SAND, trace	SP	0.0	Dry
									organic	matter, trace	e fine gravel.			,
1														
-							Lt. Brown		Fine to	coarse SAN	D, some fine gravel. MGP	GP	17.8	Wet
2							Lt. Diowii				stained and coated gravel,	a.		vvct
											scous), black, sheen.			
3									Modera	te MGP odo	r.			
3				-					Concret	te Slah				
		S-2	Macro			28"	3' to 4'				SAND, trace coarse sand,	GW	0.1	NA = : = 4
4		3-2				20					MGP impact.	GW	0.1	Moist
_			core				Dk. Brown			9				
5							4' to 8'		NA U		t OAND !!#!!!			
							Lt. Brown				to coarse SAND, little well No MGP impact.			Dry
6							/ Orange		graueu	illie gravei. i	No Mai Impact.			
7														
8														
										End	of boring: 8' bgs			
9														
10														
11														
12														
13														
14														
15														
16														
				\vdash										
17														
- ' '														
18														
10				$\vdash \vdash \vdash$										
				\vdash										
19				$\vdash \vdash \vdash$										
				 										
20		Conc	roto alak	ot =:0!	bas /	orobod	water) CD 1	to 2' used in 1	C A 4 ~	ample CM	PROJECT NO.	<u> </u>	.==::	
Commer	its:	used	in CS-A	. at ~3 -9 and	GS-A-	erched 12 samp	water). GF 1 oles.	io o useu in t	JJ-M-4 S	ample, GW		1	175065	
-			/ •			· · · · ·	-				BORING NO.	L	GP-77	
												1		

				URS	Corpo	ration				TEST BORING	LOG		
										BORING NO:		GP-78	
PROJEC	T:				KeySpa	an Hempstea	d MGP			LOCATION:	,	Area A	
CLIENT:						KeySpan				JOB NO.:	11	175065	5
BORING	CONTRAC	CTOR	:			Fenley	& Nicol			DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	OWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1:	2/04/07	
					DIA.					DATE FINISHED:		2/04/07	
					WT.					DRILLER:		Meade	
					FALL					GEOLOGIST:		larshma	_
						POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:		Connar	
			SAMP	l F			-		SCRIPTION				
DEPTH			<u> </u>	BLOWS	REC		CONSIST			MATERIAL		RFM	ARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS		Moist
0		S-1	Grab	1 211 0	110,570	Dk. Brown	10,112	Loamy		fine to fine to medium SAND,	SP	0.0	Dry
		0-1	Grab		-	DR. DIOWII				e fine gravel.	Oi	0.0	Dry
- 1					-								
1								Eino to	modium to o	oarse SAND, some fine			
					-	Lt. Brown				round), poorly graded. No	GP	0.0	Moist
2					4			MGP in		/,/ 9.44040			to Dry
					4								
3					_								
					_								
4													
					4								
5													
		S-2	Macro		32"	Lt. Brown				ense, fine to medium to coarse	SW	0.0	Dry
6			core		_			impact.		ravel (poorly graded). No MGP			
					_			iiiipaoti					
7					_								
					_								
8					_								
					_								
9													
					4				End	of boring: 9' bgs			
10					4								
					4								
11													
12					4								
					4								
13					╛								
					_								
14					╛								
					╛								
15					╛								
					╛								
16					╛								
					╛								
17													
]								
18													
					7								
19					7								
]								
20					1			<u> </u>					
Commer	its:	0-5' ir	nterval e	xcavated b	hand au	ger. GP 1' to	5' used in CS	-A-4 san	nple.	PROJECT NO.	11	175065	5
		•								BORING NO.		GP-78	

				U	RS (Corpo	oration					TEST BORING	LOG		
												BORING NO:		GP-79	
PROJEC	CT:					KeySpa	an Hempstea	nd MGP				LOCATION:	,	Area A	
CLIENT:							KeySpan					JOB NO.:		175065	
BORING	CONTRA	CTOR	:				Fenley	& Nicol				DRILLING METHOD:	Hand Au	-	oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE		TUBE	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TY	PE.	TYPE		Macrocore				DATE STARTED:	1	2/04/07	
						DIA.						DATE FINISHED:	1:	2/05/07	•
						WT.						DRILLER:	М	. Meade	Э
						FALL						GEOLOGIST:	J. F	larshm	an
						*	POCKET P	ENETROMET	ER REA	DIN	IG	REVIEWED BY:	K.	Connar	е
			SAMP	LE					DE	SCF	RIPTION				
DEPTH				BLC	ows	REC		CONSIST			ı	MATERIAL			ARKS
FEET	STRATA	NO.	TYPE	PEI	R 6"	RQD%	COLOR	HARD				ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown					fine to fine to medium SAND,	SP	0.0	Moist
									organic	ma	itter, som	e fine gravel.			to Dry
1															
							Lt. Brown					oarse SAND, Trace coal,	GP	0.0	Dry
2									trace Al	LM,	little fine	gravel. No MGP impact.			
3															
4															
5															
		S-2	Macro			28"	Lt. Brown					ense, fine to medium to coarse	GW	0.0	Dry
6			core						SAND,	little	e to some	e fine gravel (well graded). No			
						1			MGP im	npad	Ct.				
7															
8															
9															
											End o	of boring: 9' bgs			
10															
11															
12															
13															
14															
15															
16															
17															
						1									
18						1									
						1									
19						1									
						1									
20						1									
Commer	nts:				ted by	hand au	ger. GP 1' to	5' used in CS	S-A-4 san	nple	e. GW	PROJECT NO.	11	175065	5
		used	in CS-A	-5.								BORING NO.		GP-79	

				URS	Corpo	oration					TEST BORING	LOG		
											BORING NO:		GP-80	
PROJEC	CT:				KeySpa	an Hempstea	d MGP				LOCATION:		Area A	
CLIENT:						KeySpan					JOB NO.:	11	175065	5
BORING	CONTRA	CTOR	:				& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUB	E	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1	2/07/07	
					DIA.						DATE FINISHED:		2/07/07	
					WT.						DRILLER:		. Meade	
					FALL						GEOLOGIST:		larshma	
						POCKET P	ENETROMET	ER REA	DING		REVIEWED BY:		Connar	
			SAMP	LE					SCRIPT	ION				
DEPTH				BLOWS	REC		CONSIST				MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD				ESCRIPTION	uscs		Moist
0		S-1	Grab		11-01-70	Dk. Brown		0' to 1'.	Loamy		oil, very fine to fine to medium	GP	0.0	Dry
			Circo			J			trace fin			<u> </u>	0.0	2.,
1														
<u> </u>						Lt. Brown		1' to 5'.	Fine to	med	lium to coarse SAND, some	GP	0.0	Dry
2						Lt. Diowii					impact.	l ai	0.0	Dry
3														
Ü														
4														
5														
		6.2	Macro			Lt. Brown		Loose	fine to m	nedii	um to coarse SAND, some	GW	0.0	Dry
6		3-2	core			Lt. Brown					vel. No MGP impact.	avv	0.0	ыу
0			00.0		_					-				
7					_									
8					-									
0					-									
9														
9										_ na al	of havings OI has			
10					_					Ena	of boring: 9' bgs			
10														
11					-									
<u> </u>					4									
10														
12														
10														
13					_									
1.1														
14					_									
15					4									
15														
10														
16					_									
47					_									
17					4									
40					-									
18					4									
					4									
19					4									
					4									
20		0 5	<u> </u>			0:					T			
Commer	nts:	U-5' ir	nterval e	excavated b	y post hol	e aigger.					PROJECT NO.		175065	
<u> </u>											BORING NO.		GP-80	
ll .											1			

				URS	Corpo	ration					TEST BORING	LOG		
											BORING NO:		GP-81	
PROJEC	CT:				KeySpa	an Hempstea	d MGP				LOCATION:	,	Area A	
CLIENT:						KeySpan					JOB NO.:	11	175065	5
BORING	CONTRA	CTOR	:			Fenley	& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUBE	:	TOTAL DEPTH:		9'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1	2/07/07	
					DIA.						DATE FINISHED:	1:	2/07/07	
					WT.						DRILLER:	М	. Meade)
					FALL						GEOLOGIST:	J. F	larshm	an
					*	POCKET P	ENETROMET	ER REA	DING		REVIEWED BY:	K.	Connar	e
			SAMP	LE				DE	SCRIPTI	ON				
DEPTH				BLOWS	REC		CONSIST			ı	MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD				ESCRIPTION	USCS	PID	Moist
0		S-1	Grab			Dk. Brown					oil, very fine to fine to medium	GP	0.0	Dry
								SAND,	trace fine	gra	avel.			
1														
						Lt. Brown					ium to coarse SAND, some	GP	0.0	Dry
2								fine gra	vel (poor	ly g	raded). No MGP impact.			
3														
4														
5								<u> </u>						
		S-2	Macro		46"	Lt. Brown					um to coarse SAND, some fine	GW	0.0	Dry
6			core					gravel (well grad	ed)	. No MGP impact.			
7														
8														
9														
									Е	nd (of boring: 9' bgs			
10														
11														
12														
13														
14														
15														
16														
17														
18														
					_]									
19														
20							<u> </u>					<u></u> _		
Commer	nts:	0-5' ir	nterval e	excavated b	y post hol	e digger.					PROJECT NO.	11	175065	5
											BORING NO.		GP-81	

				UF	RS (Corpo	ration				TEST BORING	LOG		
											BORING NO:)GP-82	
PROJEC	T:					KeySpa	an Hempstea	ıd MGP			LOCATION:		Area A	
CLIENT:							KeySpan				JOB NO.:		17506	
BORING	CONTRAC	CTOR	:				Fenley	& Nicol			DRILLING METHOD:	Hand Au		oprobe
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		10'	
DATE	TIME	LE	VEL	TYP	PΕ	TYPE		Macrocore			DATE STARTED:	1	2/04/07	,
						DIA.					DATE FINISHED:	1	2/04/07	,
						WT.					DRILLER:	М	. Mead	е
						FALL					GEOLOGIST:	J. F	Harshm	an
						*	POCKET PI	ENETROMET	ER REAI	DING	REVIEWED BY:	K.	Conna	re
			SAMP	LE					DES	SCRIPTION				
DEPTH				BLO\	ws.	REC		CONSIST			MATERIAL		REM	IARKS
FEET	STRATA	NO.	TYPE	PER	6"	RQD%	COLOR	HARD			ESCRIPTION	USCS	PID	Moist
0		S-1	Grab				Dk. Brown				fine to fine to medium SAND,	SP	0.0	Moist
									little to s	some fine gr	ravel.			to Dry
1														
2														
3														
4														
			Grab				Lt. Brown		Fine to	medium to d	coarse SAND, little to some	GP	0.0	Moist
5			0.1.0.1.0						fine grav	vel.				to Dry
		S-2	Macro			48"	Lt. Brown		Loose.	medium to	coarse SAND, well graded fine	GW	0.0	Dry
6		0-2	core			.0	Dr. Brown		gravel. I	No MGP im	pact.	""	0.0	Diy
							Di. Biowii							
7														
/														
8														
0														
9														
9														
40														
10														
										End	of boring:10' bgs			
11														
12														
<u> </u>														
13														
14														
15														
16														
17														
18														
19														
20														
Commer	nts:	0-5' ir	nterval e	xcavate	ed by	hand au	ger. Step-ou	t boring.			PROJECT NO.	11	17506	5
		ĺ			•		•	=			BORING NO.)GP-82	
		ĺ									,	_		
<u> </u>												I.		

				URS	Corpo	oration					TEST BORING	LOG		
											BORING NO:)GP-83	
PROJEC	T:				KeySp	an Hempstea	ad MGP				LOCATION:	,	Area A	
CLIENT:						KeySpan					JOB NO.:	11	175065	5
BORING	CONTRA	CTOR	:			Fenley	& Nicol				DRILLING METHOD:	Hand Au	iger/Ge	oprobe
GROUN	DWATER:					CAS.	SAMPLER	CORE		TUBE	TOTAL DEPTH:		16'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore				DATE STARTED:	1:	2/04/07	
					DIA.						DATE FINISHED:	1:	2/07/07	
					WT.						DRILLER:	M	. Meade	
					FALL						GEOLOGIST:	J. F	larshma	an
					1	POCKET P	ENETROMET	ER REA	DIN	IG	REVIEWED BY:	K.	Connar	e
			SAMP	LE				DE	SCF	RIPTION				
DEPTH				BLOWS	REC		CONSIST			ı	MATERIAL		REM	ARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD			DE	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab			Dk. Brown					nic matter, fine to medium tertrace fine gravel.	SP	0.0	Dry
1					7									
	*********				7	Lt. Brown					D, with some fine gravel, trace	GP	0.0	Dry
2								coarse	grav	vel. No M	IGP impact.			,
3					\dashv									
3					4									
4					-									
4					-									
5					4									
3		S-2	Macro		16"	Brown		Medium	n de	nse fine	to coarse SAND, some fine	GP	0.0	Dev
6		3-2	core		- I''	DIOWII					gravel. No MGP impact.	ai ai	0.0	Dry
- 0			0010		\dashv									
7					=									
					4									
8					4									
		S-3	Macro		44"	Brown		Loose to	o m	edium de	ense, fine to coarse SAND,	GW	0.0	Dry
9			core		┥ ¨	/ Orange					I graded). No MGP impact.	aw	0.0	ыу
			0010		┪	, Grange								
10					1									
					1									
11					7									
					7									
12					7									
					7									
13														
		S-4	Macro		14"	Orange to		Medium	n de	nse, fine	to coarse SAND, little to	GW		
14			core			Brown					rey sand and gravel (possibly			
								concret	e) a	it 15.5' to	16' bgs. No MGP impact.		0.0	
15					7								0.0	
					7			Macroc	ore	refusal a	t 16' bgs.			
16														
										End o	of boring: 16' bgs			
17					7									
18														
					_]									
19														
					_]									
20														
Commer	nts:			excavated b	y hand au	iger. Step-out	t boring. GP 5	' to 8' sa	mple	e used	PROJECT NO.	11	175065	5
		in CS	-A-/.								BORING NO.	С	GP-83	
II														

	URS Corporation											TEST BORING LOG				
												BORING NO:		GP-84		
PROJEC	CT:					KeySpa	an Hempstea	ıd MGP				LOCATION:	,	Area A		
CLIENT:							KeySpan					JOB NO.:	11	175065	5	
BORING	CONTRA	CTOR	:			Fenley & Nicol DRILLING METHOD:						Hand Auger/Geoprobe				
GROUN	DWATER:						CAS.	SAMPLER	CORE	TUBE		TOTAL DEPTH:		9'		
DATE	TIME	LE	VEL	TYI	PE	TYPE		Macrocore				DATE STARTED:	12/04/07			
						DIA.						DATE FINISHED:		2/06/07		
						WT.						DRILLER:	М	. Meade	9	
						FALL						GEOLOGIST:		larshma		
										REVIEWED BY:	K.	Connar	е			
			SAMP	LE						SCRIPTION	ON					
DEPTH				BLO	ws	REC		CONSIST			1	MATERIAL		REM	ARKS	
FEET	STRATA	NO.	TYPE	PER		RQD%	COLOR	HARD				SCRIPTION	USCS		Moist	
0		S-1	Grab		-		Dk. Brown		Loamy	topsoil. v		fine to fine to medium SAND,	SP	0.0	Moist	
			Circo			1	J					e fine gravel.	Fill	0.0	to Dry	
1						1							''''		to Dry	
<u> </u>						ł	Lt. Brown		Fine to	medium t	to c	oarse SAND, some fine	GP	0.0	Dry	
2						ł	Lt. Diowii			No MGP			Fill	0.0	Diy	
													''''			
3						ł										
	*************								Concre	te?						
4						ł										
-		S-2	Marco			54"	Lt. Brown		Loose	medium t	n c	parse SAND, little fine gravel	GW	0.0	Dry	
5		3-2	core			34	Lt. blowii					GP impact.	""	0.0	Σ.,	
			COIC													
6																
0						ł										
7																
/						ļ										
						ļ										
8						1										
						ļ										
9											_	(1 ' 011				
10						ł				E	na (of boring: 9' bgs				
10						ļ										
-11						ļ										
11						1										
- 10						1										
12						ļ										
L						ļ										
13																
						ļ										
14																
ļ						ļ										
15																
16																
17																
18																
19																
20			<u> </u>													
Commer	nts:			efusal a	at ~3'	on conci	rete. GW 4' to	o 9' used in sa	mple CS	S-A-7		PROJECT NO.	11	175065	5	
		samp	ie.									BORING NO.		GP-84		
	-															

				URS	TEST BORING	G LOG							
										BORING NO:	[)GP-85	5
PROJEC	T:				KeySpa	an Hempstea	d MGP			LOCATION:		Area A	
CLIENT:						KeySpan				JOB NO.:	1	17506	5
BORING	CONTRAC	CTOR					& Nicol			DRILLING METHOD:	Hand Au	ıger/Ge	eoprobe
GROUNI	GROUNDWATER:						CAS. SAMPLER CORE TUBE TOTAL DEPTH					16'	
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1	2/07/07	7
					DIA.					DATE FINISHED:	1	2/12/07	7
					WT.					DRILLER:	М	. Mead	le
					FALL					GEOLOGIST:	J. H	Harshm	ıan
					*	POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:	K.	re	
			SAMP	LE				DE	SCRIPTION				
DEPTH				BLOWS	REC		CONSIST			MATERIAL		REN	MARKS
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD		D	ESCRIPTION	USCS	PID	Moist
0		S-1	Grab			Dk. Brown				oil, fine to medium SAND, with	Fill	0.0	Dry
								organic	matter, little	fine gravel.			
1					1								
					1	Black				: black sandy soils with	Fill	0.0	
2					1			numero	us bricks, m	ortar and rubble.			
					1								
3					1								
					1								
4					1								
		S-2	Macro		16"			Fill mate	erial: red bri	cks, mortar, fine gravel, little	Fill	0.0	Moist
5			core		1				lo MGP impa				
					1								
6					1								
					1								
7					1								
					1								
8					1								
		S-3	Macro		18"			Fill mate	erial: 8' to 10)', red bricks mortar, gravel	Fill	1.1	Wet
9			core		1			and sar	nd.				
					1								
10					1								
					1			10' to 1	2', Black sta	ined SAND and GRAVEL, Ittle	Fill		Wet
11					1			wood ar	nd cardboar	d. Faint MGP odor.			
					1								
12					1								
		S-4	Macro		16"			Fil Mate	erial: red brid	cks, mortar, gravel and sand.	Fill	14.1	Wet
13			core		1					impact with black staining.			
					1			⊩aint M	GP odor, sh	een.			
14					1								
					1								
15					1								
					1								
16					1			Macroc	ore refusal a	at 16' bgs			
									End o	of boring: 16' bgs		1	
17					1					-			
					1								
18					1								
					1								
19					1								
					1								
20					1								
Commer	nte ·	0-5' ir	iterval e	excavated by	post hol	e digger.]	<u> </u>		PROJECT NO.	1-	17506	5
Comme			•		,	59				BORING NO.)GP-85	
												- G1 - UC	-
<u> </u>										<u> </u>	<u> </u>	1	

				URS	Corpo	oration				TEST BORING LOG				
										BORING NO:)GP-86		
PROJEC	CT:				KeySp	an Hempstea	ad MGP			LOCATION:		Area A		
CLIENT:						KeySpan				JOB NO.:		17506		
BORING	CONTRAC	CTOR	:			Fenley	& Nicol			DRILLING METHOD:	Hand Au		oprobe	
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:	17'				
DATE	TIME	LE	VEL	TYPE	TYPE		Macrocore			DATE STARTED:	1	2/11/07	,	
					DIA. WT.					DATE FINISHED:		2/12/07		
										DRILLER:		. Mead		
					FALL					GEOLOGIST:		Harshm		
					,	POCKET P	ENETROMET	ER REA	DING	REVIEWED BY:	K.	Conna	re	
			SAMP					DES	SCRIPTION		1			
DEPTH				BLOWS			CONSIST			MATERIAL			IARKS	
FEET	STRATA	NO.	TYPE	PER 6"	REC	COLOR	HARD	01 : 41 1		ESCRIPTION	USCS		Moist	
0		S-1	Grab			Dk. Brown			₋oamy topso ie gravel.	oil, very fine to fine SAND,	SP	0.0		
								liace iii	ic gravei.					
1										dium SAND, with some fine			ļ	
					_	Brown to				clinker-like material (CLM),	GP	0.0		
2						Lt. Brown				rate. No MGP impact, no odor.				
									•	, ,				
3														
4														
					_									
5										NID Pol I				
		S-2	Macro		14"	Dk. Brown				ND, little to some well graded pal, trace light brown fine to	GW	0.0	Dry	
6			core							and at 9'. No MGP impact.				
										·				
7														
8														
9								.		CAND I'V "				
		S-3	Marco		36"	Lt. Brown				um to coarse SAND, little fine). No MGP impact.	GW	0.0	Dry	
10			core			/ Tan		graver	wen graded,	7. No Mar Impact.				
11														
10														
12														
10														
13		C 4	Ma		40"			Locco	fine to modi	um to coarse SAND, little well	014			
14		5-4	Macro		42"	Lt. Brown				subrounded to rounded). No	GW	0.0	Dry	
14			core			/ Tan		MGP im						
15														
15														
16				-										
16														
17				-										
17									End o	of boring: 17' bgs				
10									EIIU (or burning. 17 bys				
18														
19				-										
19														
20				-										
-	ato:	0-5' in	nterval o	xcavated b	y hand to	l ols	I			PROJECT NO.	<u> </u>	17500	<u> </u>	
Commer	115.	5 0 11	۷ αι σ	ouruibu L	., mana 101	·····				BORING NO.		17506 OGP-86		
										DOTHING NO.		Jul -00		
<u> </u>												1		

				URS		TEST BORING LOG								
										BORING NO:		GP-87		
PROJEC	T:				KeySpa	an Hempstea	ad MGP			LOCATION:		Area A		
CLIENT:						KeySpan				JOB NO.:		17506		
	CONTRAC	CTOR:				•	& Nicol			DRILLING METHOD:	Hand Au		oprobe	
GROUNDWATER:						CAS.	SAMPLER	CORE	CORE TUBE TOTAL DEPTH:			16'		
DATE	TIME	LE	VEL	TYPE	TYPE						12/04/07			
					DIA.					DATE FINISHED:		2/05/07		
					WT.					DRILLER:		. Mead		
					FALL					GEOLOGIST:	J. F			
					*	POCKET PI	ENETROMET	ER REA	DING	REVIEWED BY:	K. Connare			
			SAMP					DES	SCRIPTION					
DEPTH				BLOWS			CONSIST			MATERIAL			ARKS	
FEET	STRATA	NO.	TYPE	PER 6"	RQD%		HARD			ESCRIPTION	USCS	_	Moist	
0		S-1	Grab			Dk. Brown				soil, very fine to fine SAND, er, trace fine gravel.	SP	0.0	Dry	
								Some of	gariic matte	er, trace fille graver.				
1														
2														
						Brown				dium SAND, trace coal, trace to	GP	0.0	Dry	
3								iiille tine	graver. No	MGP impact.				
4														
5														
		S-2	Macro		32"	Brown to				ense, fine to coarse SAND,	GP	0.0	Dry	
6			core			Lt. Brown		impact.	some fine g	ravel (poorly graded). No MGP				
								impact.						
7														
8														
9														
		S-3	Macro		34"	Brown to				ense, fine to coarse SAND,	GW	0.0	Dry	
10			core			Lt. Brown		little fine	gravei (we	Il graded). No MGP impact.				
11														
													Dry	
12														
13														
		S-4	Macro		28"	13' to 15'				oarse SAND, some fine gravel.	GW	14.1		
14			core			Brown		No MGF	impact.					
15						15' to16'				nined and coated sand and				
						Black		gravel, fodor.	arry. MGP	impacted, faint to moderate				
16						Stained		JUJ 1.						
										ore refusal at 16'bgs				
17									End	of boring: 16' bgs				
18														
19														
20														
Commer	nts:	0-5' in	iterval e	xcavated b	y hand too	ols.				PROJECT NO.	11	17506	5	
										BORING NO.		GP-87		

				URS	Corpo	ration				TEST BORING	TEST BORING LOG				
										BORING NO:		GP-88			
PROJEC	CT:				KeySpa	an Hempstea	nd MGP			LOCATION:		Area A			
CLIENT:						KeySpan				JOB NO.:		17506			
	CONTRAC	CTOR	:				& Nicol			DRILLING METHOD:	Hand Au		oprobe		
GROUN	DWATER:					CAS.	SAMPLER	CORE	TUBE	TOTAL DEPTH:		17'			
DATE	DATE TIME LEVEL		TYPE	TYPE		Macrocore			12/12/07						
					DIA.					DATE FINISHED:	1	2/13/07	,		
					WT.					DRILLER:	М	. Mead	е		
					FALL					GEOLOGIST:	J. F	larshm	an		
					*	* POCKET PENETROMETER READING REVIEWED BY:					K. Connare				
			SAMP	LE		DESCRIPTION									
DEPTH				BLOWS	REC%		CONSIST			MATERIAL			IARKS		
FEET	STRATA	NO.	TYPE	PER 6"	RQD%	COLOR	HARD			ESCRIPTION	USCS	PID	Moist		
0		S-1	Grab			Dk. Brown				oil, very fine to fine SAND, r, trace fine gravel.	SP	0.0	Dry		
1															
2						Lt. Brown		2' to 5	Fine to med	lium SAND, some fine gravel.	GP	0.0	Day		
3					-	/ Tan			impact.	nam oranz, some me graver.	GP	0.0	Dry		
-					1	, , , ,									
4					┪										
·			l l		1										
5					1										
		S-2	Macro		38"	Lt. Brown		Loose, f	ine to medi	um to coarse very coarse	GW	0.0	Dry		
6		0 _	core		╡ ``	yellowish		SAND,	some well g	raded fine to coarse gravel.			٥.,		
					1	orange		No MGF	impact.						
7			l i		1	3.									
8					7										
9					1										
		S-3	Marco		44"	Lt. Brown				um to coarse to very coarse	GW	0.0	Dry		
10			core			yellowish		SAND, vimpact.	well graded	fine to coarse gravel. No MGP					
						orange		iiiipact.							
11															
					4										
12					4										
					4										
13		C .			45"			Looss	o modii	ance fine to madium to com-					
14		S-4			45"	Lt. Brown				ense, fine to medium to coarse oarse sand, well graded fine to	GW	0.0	Dry		
14			core		-	to Brown				MGP impact.					
15					┨	yellowish									
10					┨	orange									
16					┥ !										
.5					┥ !										
17					╡ !										
									End	of boring: 17' bgs					
18					╡ !					<u> </u>					
				- 	╡ !										
19					┦										
					┦										
20					┨										
Commer	nts:	0-5' ir	nterval e	xcavated by	y hand too	ols.	-	-		PROJECT NO.	11	17506	5		
										BORING NO.		GP-88			