

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP					BORING NO.: DGP-52	
CLIENT: KeySpan					LOCATION: Area F	
BORING CONTRACTOR: Fenley and Nicol					JOB NO.: 11175065	
GROUNDWATER: Dry					CAS.	SAMPLER
						TUBE
					TOTAL DEPTH: 9'	
DATE	TIME	LEVEL	TYPE	TYPE	DATE STARTED: 12/26/07	
				DIA.	DATE FINISHED: 12/26/07	
				WT.	DRILLER: M. Meade	
				FALL	GEOLOGIST: AM Casey	
					REVIEWED BY: K. Connare	
					* POCKET PENETROMETER READING	

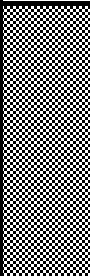
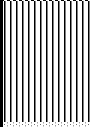
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS	
	STRATA	NO.	TYPE	BLOWS PER 6"	REC	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist
					RQD%						
0	[Hatched Area]	S-1	Grab			Black		0' to 4', Soft, sandy gravelly CLAY, some brick fragments and rootlets. No MGP impact observed.	Fill	0.0	Dry
1											
2											
3											
4											
5						Black		4' to 5', Soft, sandy gravelly CLAY. No impact observed.			
6		S-2	Macro core		33"					0.0	Dry
7											
8											
9											
10								End of boring: 9' bgs			
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Comments:	0' to 5', excavated with hand tools.	PROJECT NO.	11175065
		BORING NO.	DGP-52

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP					BORING NO.: DGP-53	
CLIENT: KeySpan					LOCATION: Area F	
BORING CONTRACTOR: Fenley and Nicol					JOB NO.: 11175065	
GROUNDWATER:					DRILLING METHOD: Hand/Geoprobe	
					TOTAL DEPTH: 8'	
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER
				DIA.		Macrocore
				WT.		
				FALL		
					* POCKET PENETROMETER READING	
					DATE STARTED: 12/26/07	
					DATE FINISHED: 12/26/07	
					DRILLER: M. Meade	
					GEOLOGIST: AM Casey	
					REVIEWED BY: K. Connare	

DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS	
	STRATA	NO.	TYPE	BLOWS PER 6"	REC RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS	
										PID	Moist
0		S-1	Grab			Black		0' to 4', Loose, slightly clayey SAND and GRAVEL, with some brick fragments and other fill material. No MGP impact observed.	Fill	0.0	Dry
1											
2											
3											
4											
5		S-2	Macro core		45"	Red / Brown		4' to 6', Soft clayey SILT. No evidence of impact.	ML	0.0	Dry
6											
7						Red / Orange		6' to 8', Loose, fine to coarse SAND with poorly graded fine gravel. No evidence of impact.	SP		Dry
8											
9								End of boring: 8' bgs			
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Comments: 0' to 5' excavated by hand tools. Grab 0' to 4', used in GS-F-1 sample.	PROJECT NO.	11175065
	BORING NO.	DGP-53

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP					BORING NO.: DGP-54	
CLIENT: KeySpan					LOCATION: Area F	
BORING CONTRACTOR: Fenley and Nicol					JOB NO.: 11175065	
GROUNDWATER:					DRILLING METHOD: Hand/Geoprobe	
					TOTAL DEPTH: 9'	
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER
				DIA.		Macrocore
				WT.		
				FALL		
					* POCKET PENETROMETER READING	
					DATE STARTED: 12/26/07	
					DATE FINISHED: 12/26/07	
					DRILLER: M. Meade	
					GEOLOGIST: AM Casey	
					REVIEWED BY: K. Connare	

DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS			
	STRATA	NO.	TYPE	BLOWS PER 6"	REC RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
0		S-1	Grab			Black Stained		0' to 2', MGP impacted material. Stained SAND and GRAVEL, ALM.	Fl	11.8	Dry		
1													
2													
3								Brown		2' to 5', Firm, clayey SILT with some hydrocarbon staining and moderate hydrocarbon odor (possibly gasoline). Becoming stiff at 4'. No odors observed below 4'	ML		
4													
5													
6		S-2	Macro core		41"	Dk. Brown		5' to 6', Stiff clayey SILT. No impact observed.		0.0			
7							Lt. Brown / Orange		6' to 9', Loose, fine to coarse SAND, fine to coarse gravel. No impact.	SP		Dry	
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
								End of boring: 9' bgs					

Comments: 0' to 5' excavated by hand tools.	PROJECT NO.	11175065
	BORING NO.	DGP-54

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP

BORING NO.: DGP-55

CLIENT: KeySpan

LOCATION: Area F

BORING CONTRACTOR: Fenley and Nicol

JOB NO.: 11175065

GROUNDWATER:

CAS. SAMPLER CORE TUBE

DRILLING METHOD: Hand/Geoprobe

DATE TIME LEVEL TYPE TYPE

Macrocore

TOTAL DEPTH: 9'

DIA.

DATE STARTED: 12/27/07

WT.

DATE FINISHED: 12/27/07

FALL

DRILLER: M. Meade

GEOLOGIST: AM Casey

*** POCKET PENETROMETER READING**

REVIEWED BY: K. Connare

DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
0	[Pattern]	S-1	Grab			Black		0' to 3', Loose, slightly clayey SAND and GRAVEL, with rootlets, red brick fill material. No MGP impact.	Fill	0.0	Dry		
1													
2													
3													
4									Black		3' to 5' Soft clayey SILT. No MGP impact.	ML	
5	[Pattern]	S-2	Macro core		44"	Brown		5' to 6', Soft to firm clayey SILT. No evidence of MGP impact.		0.0	Dry		
6													
7								Red / Orange		6' to 9', Loose, fine to coarse SAND with some poorly graded gravel. No evidence of impact.	SP		Dry
8													
9													
10								End of boring: 9' bgs					
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Comments: 0' to 5' excavated by hand tools. Grab 0' to 5' used in samples CS-F-1 and GS-F-2

PROJECT NO.: 11175065

BORING NO.: DGP-55

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP					BORING NO.: DGP-56					
CLIENT: KeySpan					LOCATION: Area F					
BORING CONTRACTOR: Fenley and Nicol					JOB NO.: 11175065					
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	DRILLING METHOD: Hand/Geoprobe	
					TOTAL DEPTH: 8'					
DATE	TIME	LEVEL	TYPE	TYPE	DATE STARTED: 12/26/07					
				DIA.	DATE FINISHED: 12/26/07					
				WT.	DRILLER: M. Meade					
				FALL	GEOLOGIST: AM Casey					
					* POCKET PENETROMETER READING					
					REVIEWED BY: K. Connare					

DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
0	[Pattern]	S-1	Grab			Black		0' to 2', Loose slightly clayey SAND and GRAVEL, with ash fragments, some MGP staining, brick fragments and clinker.	Fill	0.0	Dry		
1													
2													
3									Black Red / Brown	2' to 4', Soft clayey SILT. No evidence of impact.	ML		Dry
4													
5	[Pattern]	S-2	Macro core		45"	Red / Brown		4' to 6', Soft, clayey SILT. No evidence of impact.		0.0	Dry		
6													
7									Red / Orange	6' to 8', Loose, fine to coarse SAND, with poorly graded fine to coarse grave. No evidence of impact.	SP		Dry
8													
9							End of boring: 8' bgs						
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Comments: 0' to 5' excavated by hand tools. Grab 0' to 5' used in samples GS-F-3 and CS-F-1.	PROJECT NO.	11175065
	BORING NO.	DGP-56

URS Corporation

TEST BORING LOG

PROJECT: KeySpan Hempstead MGP					BORING NO.: DGP-57	
CLIENT: KeySpan					LOCATION: Area F	
BORING CONTRACTOR: Fenley and Nicol					JOB NO.: 11175065	
GROUNDWATER:					DRILLING METHOD: Hand/Geoprobe	
					TOTAL DEPTH: 8'	
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER
				DIA.		Macrocore
				WT.		
				FALL		
					* POCKET PENETROMETER READING	
					REVIEWED BY: K. Connare	

DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS	
	STRATA	NO.	TYPE	BLOWS PER 6"	REC RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS	
										PID	Moist
0	[Hatched Pattern]	S-1	Grab			Black		0' to 4', Loose slightly sandy gravelly CLAY with some MGP impacted material including coal fragments, ash material and clinker. No odors.	Fill	0.0	Dry
1											
2											
3											
4											
5		S_2	Macro core		100%	Black		4' to 6', Soft to firm slightly sandy clayey SILT with some red brick fragments and rootlets.		0.0	Dry
6											
7						Lt. Brown		6' to 8', Loose, fine to coarse SAND with some poorly graded gravel. No impact observed.	SP	0.0	Dry
8											
9								End of boring: 8' bgs			
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Comments: 0' to 4' excavated by hand tools.	PROJECT NO.	11175065
	BORING NO.	DGP-57