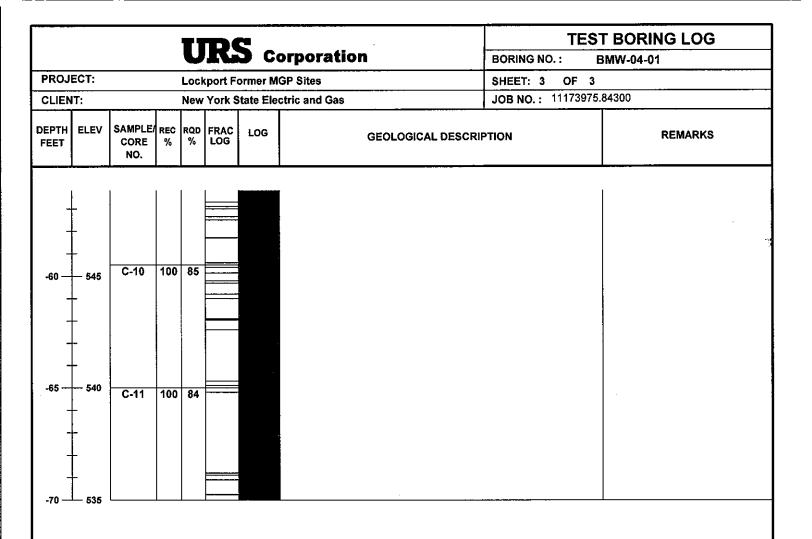
APPENDIX A BORING LOGS

TEST BORING LOG URS Corporation **BORING NO.:** BMW-04-01 OF 3 PROJECT: **Lockport Former MGP Sites** SHEET: 1 11173975.84300 JOB NO.: CLIENT: **New York State Electric and Gas EASTING: 1118270.32** NORTHING: 1153926.01 American Auger & Ditching Co., Inc. **BORING CONTRACTOR:** 606.82 **GROUND ELEVATION: PROJECT LOCATION:** Lockport, New York DATE STARTED: 1/31/2005 **DRILLING METHOD:** Air Rotary/Wire Line Rotary Rock Coring 6" Air Hammer/HQ Core DATE FINISHED: 2/4/2005 DRILL BIT SIZE/TYPE: DRILLER: Ryan Baye **TOTAL DEPTH DRILLED:** 70.00 Robert Murphy Versa Drill V-2000 and/or Foremost CT-250 **GEOLOGIST: DRILL RIG TYPE: REVIEWED BY:** SAMPLE/ REC RQD FRAC DEPTH **ELEV GEOLOGICAL DESCRIPTION** REMARKS LOG LOG CORE % FEET % NO. 605 FILL: 12" Thick Concrete Pad, over Gravel sub base. Wet at 3.5'. SW-SM: Medium Dense, Red Brown, Silty Fine to Medium Sand. 100 **\$-01** S-02 100 600 -5 S-03 90 S-04 90 -10 595 S-05 90 SP-SM: Medium Dense, Red Brown, Silty Fine Sand, with faint gray banding. S-06 60 SW-SM: Dense, Red Brown, Silty Fine Sand, some fine to coarse subangular gravel, trace to some coarse sand, trace clay. Faint gray S-07 90 banding. 590 S-08 90 C-01 NR NR SP-SM: Dense, Red Brown, Silty Fine Sand and Boulders. (TILL) -20 585 C-02 100 91 GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. COMMENTS:Lost 450 gallons of water while coring. Began losing water after 35.5'. Casing grouted in place to 25'. Open Rock Hole from 25'-70'.

			•	TI	R	2 .	orporation		T BORING LOG
PROJI	ECT.					•			BMW-04-01
CLIEN							GP Sites ctric and Gas	SHEET: 2 OF 3 JOB NO.: 11173975.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.			FRAC LOG	LOG	GEOLOGICAL DESCRIP		REMARKS
-25	— 580 - -	C-03	100	100					
-30 —	- 575 -	C-04	100	100					
-35	- 570 -	C-05	100	91			DECEW DOLOMITE: Hard, medium gray, fine	grained dolomite.	u
-40	- - - 565	C-06	100	100					MGP Odor and Sheen noted on
-45	- - - 560	C-07	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMI gray, very fine to fine grained argillaceous de calcareous shale with dolomite seams. Weat from 52.6'-52.7', 56.9'-57.0', and 59.4'-59.5'.	olomite grading to	core from 52.6'-52.7'.
-50	- - 555 -	C-08	100	98			·		
-55	- - 550 -	C-09	100	92					•
1		:Lost 450 Hole from			water v	vhile cori	ing. Began losing water after 35.5'. Casing (grouted in place to 25'.	



COMMENTS:Lost 450 gallons of water while coring. Began losing water after 35.5'. Casing grouted in place to 25'.

Open Rock Hole from 25'-70'.

			U	R	5 c	orporation B		F BORING LOG
DDO IFOT							-	BMW-04-02
PROJECT:				<u> </u>			HEET: 1 OF 3	04000
CLIENT:							OB NO.: 11173975.	
BORING COI					-		IORTHING: 1154173.5	
PROJECT LOCATION: Lockport, New York GROUND ELEVA								
DRILLING MI							DATE STARTED:	3/16/2005
DRILL BIT SI				ir Hamn	DATE FINISHED:	3/22/2005		
TOTAL DEPT		D:	59.7				ORILLER:	Ryan Baye
DRILL RIG T	YPE:		vers	a Drill	V-2000 a		SEOLOGIST:	Robert Murphy
						R	REVIEWED BY:	?
DEPTH ELEV FEET	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	ON	REMARKS
0—, 590		Υ		1				
1	S-01	50	 	-		FILL: Asphalt Road Surface over gravel sub bas	se.	Dry Very Moist to Wet
T					KX	FILL: Medium Dense, Gray to Red Brown, Silt, so	ome coarse sand to	,,
†	0.00					coarse angular gravel. Very Gravelly 2.5-5.0'.		
+	S-02	5			(X)			
+					$\langle X \rangle$			
-5 585	S-03	0			$\langle \cdot \rangle \langle \cdot \rangle$			D
						FILL: Boulder/Cobble Zone.		Dry
+	S-04	25				FILL: Medium Dense, Red Brown, Silt, some fine and sand. Strong gasoline odor.	e to coarse gravel	Very Moist, Gasoline odor.
‡	C-01	100	96			GASPORT DOLOMITE - GOTHIC HILL MEMBER: medium grained dolomite. Some crinoid stem fr	ragments, few	Gasoline odor at top of rock.
-10 — 580	0-01	100	30			stylolites. Very Broken 9.0-9.2'. Finer grained si 16.80'.	eam from 16.65'-	
†								7
+								
+								
+								
-15	C-02	100	90					
+								
+	C-03	400	100			DECEW DOLOMITE: Hard, medium gray, fine gra	ained dolomite.	
-20 570	C-03	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMBER gray, very fine to fine grained argillaceous dolor calcareous shale with dolomite seams. Very bro Vertical fracture ~90 degrees from 58.65'-59.60'.	mite grading to oken 25.3'-25.4'.	MGP odor on cores from 39.5'-59.7'. Coal Tar visible in fractures at 43.07', all fractures 44.5'-49.5' and 54.5-59.7'.
+								
	C-04	100	90	-				
COMMENT	S:Lost 100	gallo	ons of	water	while cor	ng. Began losing water after 44.5'. Casing gro	outed in place to 14'.	
Open Rock								
				-				

				TI	D	2 .	orporation	TEST BORING LOG				
									3MW-04-02			
PROJ							GP Sites	SHEET: 2 OF 3				
CLIEN	T:	I	Ι	New	York S	tate Ele	ctric and Gas	JOB NO.: 11173975.	84300			
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS			
-25 — _[565	t			1		•					
	_											
	_			:								
	_											
	_											
-30	— 560	C-05	100	100								
-30	- 500				ļ				ų v 15 - 4			
1	_								``			
1	_											
1	-			:								
1	-	C-06	100	85								
-35	555		100									
1	-											
1	-											
7	-											
7	-	C-07	100	04								
-40	550	0-01	100	34								
1	-				<u> </u>							
1	-											
1	_											
1	-	C-08	100	26								
-45	— 545	0-00	100	00								
-	-								š			
†	_											
7	_				<u> </u>							
†	-	C-09	100	95	ļ							
-50 —	— 540	0-03	100	33								
†	_				<u> </u>							
†	_											
+	_											
†	-	0.40	400	67								
-55	— 53 5	C-10	100	0′								
+	-]	l									
CON	COMMENTS:Lost 100 gallons of water while coring. Began losing water after 44.5'. Casing grouted in place to 14'.											
		Hole from				wniie cor	ing. Began losing water after 44.5°. Casing	grouted in place to 14'.				

				TI			orporation	TE	ST BORING LOG	
				U	T\.	3 C	orporation	BORING NO.:	BMW-04-02	
PROJ	ECT:			Lock	(port F	ormer M	GP Sites	SHEET: 3 OF	3	
CLIEN	CLIENT:				York S	tate Ele	ctric and Gas	JOB NO.: 11173975.84300		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DE	SCRIPTION	REMARKS	
-	<u>.</u>						•			
- - 	-							,		

COMMENTS:Lost 100 gallons of water while coring. Began losing water after 44.5'. Casing grouted in place to 14'. Open Rock Hole from 14'-59.7'.

Sport to a control of the control of

				w w		M		TEST BORING LOG				
				U	K	3 C	orporation	BORING NO.: B	MW-04-03			
PROJI	ECT:					ormer M		SHEET: 1 OF 3				
CLIEN	IT:			New	York S	State Elec	etric and Gas	JOB NO.: 11173975.	84300			
BORIN	NG CON	TRACTO	R:	Ame	rican A	luger & L	Ditching Co., Inc.	NORTHING: 1154338.4	5 EASTING: 1118140.78			
PROJI	ECT LO	CATION:		Lock	port, N	GROUND ELEVATION	594.07					
DRILL	ING ME	THOD:		Air R	otary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	2/9/2005			
DRILL	BIT SIZ	ZE/TYPE:		6" Aiı	r Hamn	ner/HQ C	ore	DATE FINISHED:	2/16/2005			
TOTAL	DEPT	H DRILLE	D:	75.00)			DRILLER:	Ryan Baye			
DRILL	RIG TY	PE:		Vers	a Drill	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy			
								REVIEWED BY:				
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	TION	REMARKS			
0-	590 	S-01	75			K-V.	FILL: Asphalt and gravel sub base.	,	Dry			
-	-					\triangleright	FILL: Medium Dense, Gray Brown, Silt, some and coarse sand, trace glass.	fine to coarse gravel	Uly			
_		\$-02	25			\bigvee	FILL: Medium Dense, Red Brown, Silty Fine S fragments, coarse gravel.	and, trace clay, coal	Moist			
-	<u> </u>	S-03	40			\bigvee	iragiliellus, coalse gravel.		Very Moist			
-5—	585						FILL: Medium Dense, Gray to Red Brown, Sin	by Fine to Coaree Gravel	Moist			
-	-	S-04	25		-	$\langle X \rangle$	with Clayey Silt layers.	ly Fille to Coalse Glavel				
		3-04	25			KX						
_						$ X\rangle$						
		C-01	100	94		-	GASPORT DOLOMITE - GOTHIC HILL MEMBI medium grained dolomite. Some crinoid ster	ER: Hard, medium gray,				
-	Ī				-		stylolites, trace black banding.	n nagments, trace				
-10	- 580											
-	†											
-	+											
-	+	C-02	100	100								
-	+	0 02		1.00								
 -15 —	575		<u> </u>									
		C-03	100	100								
-	T											
-	<u> </u>				<u> </u>							
-	+											
-20 —	570	C-04	100	100	<u> </u>	-			: +			
-	<u> </u>	0-04		'"								
_ ا	1						DECEW DOLOMITE: Hard, medium gray, fine	grained dolomite. Faint				
							banding.					
'	Ţ											
-	T											
					_							
CO	MMENT	S:Lost 40	0 gall	ons o	f water	while co	ring. Casing grouted in place to 13'. Open R	ROCK Hole from 13'-75'.				
-												
I I												

	TEST BORING LOG BORING NO.: BMW-04-03											
PROJ	FCT·						GP Sites	SHEET: 2 OF 3	SMVV-U4-U3			
CLIEN					<u> </u>		ctric and Gas	JOB NO.: 11173975.	84300			
DEPTH FEET	ELEV	SAMPLE/ CORE NO.			FRAC LOG	LOG	GEOLOGICAL DESCRIP		REMARKS			
-25 -	565 -	C-05	100	92								
-30	- - 560	C-06	100	93			ROCHESTER SHALE - BURLEIGH HILL MEM gray, very fine to fine grained argillaceous d calcareous shale with dolomite seams. Trace Broken/weathered fractures at 37.80'-37.85', 50.5'-50.6', and 54.25'-54.30'.	lolomite grading to e calcite inclusions. Very				
-35 —	- - - 555	C-07	100	84								
-40 -	- 550 -	C-08	100	100					Coal Tar visible in fracture at 37.80'-37.85'. Strong MGP odor.			
-45 -	— 545 —	C-09	100	82					MGP odor noted in fractures at 45.0'-45.2' and 45.6'.			
-50 —		C-10	100	86					MGP odor noted at 50.5'.			
- -55 —	535	C-11	100	73					MGP odor noted at 54.25'.			
col	MENT	S:Lost 400	gallo	ons o	f water	while co	ring. Casing grouted in place to 13'. Open F	Rock Hole from 13'-75'.				
—		•										
									ORING NO. : BMW-04-03			

		· · ·		TI	DC		TEST BORING LOG		
				<u>U</u>	72	C	orporation	BORING NO.: E	BMW-04-03
PROJE	CT:			Lock	port Fo	rmer M	GP Sites	SHEET: 3 OF 3	
CLIENT	<u>[:</u>			New	York St	ate Elec	ctric and Gas	JOB NO.: 11173975.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS
-65	- 530 - 530 - 525 - 525 - 520 - 515	C-12	100				ROCHESTER SHALE - LEWISTON MEMBER: to light gray, very fine to fine grained clacare brachiopod-shell fragments. Very Broken/w 64.50'-64.20', 70.8'-70.9', and 73.38'-73.41'.	ous shale rich in	MGP odor and visible coal tar in all fracture from 60'-65'. Visible coal tar in fracture at 65.55'. No visible tar beneath this point, but slight odor continues to bottom of borehole.

COMMENTS:Lost 400 gallons of water while coring. Casing grouted in place to 13'. Open Rock Hole from 13'-75'.

				U	R	5 c	orporation		T BORING LOG BMW-04-07	
PROJ	ECT:					ormer MC		SHEET: 1 OF 3		
CLIEN		•					etric and Gas	JOB NO.: 11173975	.84300	
BORII	NG CON	TRACTO	R:	Ame	rican A	uger & D	Ditching Co., Inc.	NORTHING: 1153162.8	9 EASTING: 1117517.89	
		CATION:				lew York		GROUND ELEVATION	: 610.54	
DRILL	ING ME	THOD:		Air R	otary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	2/25/2005	
DRILL	BIT SIZ	ZE/TYPE:		6" Aiı	r Hamn	ner/HQ C	ore	DATE FINISHED:	3/1/2005	
TOTAI	_ DEPTI	1 DRILLE	D:	86.00)			DRILLER:	Ryan Baye	
DRILL	RIG TY	PE:		Vers	a Drill	V-2000 a	nd/or Foremost CT-250	GEOLOGIST: Robert Murphy		
								REVIEWED BY: Mike Gutmann		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS	
0—	<u> 610</u>					.			T	
-	_	S-01	25				FILL: Black Organic Rich Topsoil over Medic some clay, trace to some coarse sand, trace		Moist	
-	-	S-02	70			\mathbb{X}				
-						$\mathbb{K}^{\mathbb{N}}$				
-	-	S-03	50			KX				
-5—	605					$\langle X \rangle$				
-	_	S-04	75				ML: Medium, Red Brown, Silt, some clay, tra	on fine gravel	Very Moist	
-	_						ME. Medium, Red Biown, one, some day, and	ce ille gravei.		
-	 	S-05	60							
_	 	0-00	30]	1935015615	SM: Medium Dense, Red Brown, Silty Very F	ine Sand, trace coarse	Wet	
-10	600			<u> </u>			sand and fine gravel. Dilatent.		1	
_		S-06	75				ML: Medium, Red Brown, Silt, some clay, so fine gravel.	me coarse sand, trace	Very Moist to Wet	
. –		S-07	100				SW-SM: Medium Dense, Red Brown, Silty Ve medium sand, trace fine round gravel, trace			
-							medium sand, trace ime found graver, dace	Ciay		
-	†	S-08	25							
-15 —	 595									
-	+	S-09	60		1		SW-SM: Medium Dense, Red Brown, Silty Ve	ery Fine Sand, some	Wet	
-	+						coarse sand, occassional 0.2' interlayers of some fine to coarse angular gravel. Dilatent	medium to coarse sand,		
-	F	S-10	50	 						
-	+									
-20 —	590	S-11	35		-					
_	1	3-11	35							
_			ļ.,							
	L	S-12	50							
-										
-	T	S-13	75	1	1					

COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns.

No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

TEST BORING LOG URS Corporation BMW-04-07 **BORING NO.:** PROJECT: **Lockport Former MGP Sites** OF 3 SHEET: 2 JOB NO.: 11173975.84300 **CLIENT:** New York State Electric and Gas DEPTH **ELEV** SAMPLE/ REC RQD FRAC LOG REMARKS **GEOLOGICAL DESCRIPTION** CORE % LQG FEET % NO. -25 -- 585 GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Trace Stylolites. Vertical fractures: ~90-60 degrees from 27.9'-29.1', 30 C-01 100 95 degrees at 34.4', and 80 degrees from 35.5'-36.8'. -30 580 C-02 100 95 -35 575 C-03 100 100 40 570 C-04 100 94 ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark -45 565 gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Trace faint black banding. C-05 100 100 NOTE: Decew Dolomite appears to be locally absent. Vertical Fracture of 45 degrees at 47.6'. -50 560 C-06 100 100 555 COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns. No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

TEST BORING LOG URS Corporation **BORING NO.:** BMW-04-07 PROJECT: **Lockport Former MGP Sites** OF 3 SHEET: 3 JOB NO.: 11173975.84300 **CLIENT: New York State Electric and Gas** SAMPLE REC ROD FRAC DEPTH ELEV LOG **GEOLOGICAL DESCRIPTION** REMARKS CORE **FEET** LOG NO. 100 100 C-07 -60 550 C-08 100 98 -65 · 545 C-09 100 98 540 -70 C-10 100 97 -75 - 535 C-11 100 88 -80 -- 530 C-12 100 99 ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachlopod-shell fragments. - 525 -85 COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns.

BORING NO.: BMW-04-07

No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

				T T	n			TEST BORING LOG		
				U	K	Co	orporation	BORING NO.: B	MW-04-08	
PROJI	ECT:			Lock	port Fo	ormer MC	GP Sites	SHEET: 1 OF 2		
CLIEN	T:		•	New	York S	tate Elec	ctric and Gas	JOB NO.: 11173975.	84300	
BORIN	IG CON	TRACTOR	₹:	Ame	rican A	uger & E	Ditching Co., Inc.	NORTHING: 1153844.5	2 EASTING: 1118148.54	
PROJ	ECT LO	CATION:		Lock	port, N	ew York		GROUND ELEVATION	607.07	
DRILL	ING ME	THOD:		Air R	otary/V	/ire Line	Rotary Rock Coring	DATE STARTED:	2/14/2005	
DRILL	BIT SIZ	E/TYPE:		6" Aiı	r Hamm	ner/HQ C	ore	DATE FINISHED:	3/15/2005	
TOTAL	_ DEPTH	DRILLE	D:	45.80)			DRILLER:	Ryan Baye	
DRILL	RIG TY	PE:		Vers	a Drill \	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
								REVIEWED BY:		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS	
								· · · · · · · · · · · · · · · · · · ·		
0	605 	S-01	100		, , , ,		FILL: Medium, Dark Gray to Dark Brown, Silt to coarse gravel, trace coal fragments.	, some clay, some fine	Moist	
_		S-02	60				FILL: Medium, Red Brown, Siit, trace to some coarse sand, trace clay.	e fine angular gravel and		
-		0.00		<u> </u>		345615416				
-5	600	S-03	30				SM: Medium Dense, Red Brown, Silty Very F coarse sand.	ine Sand, trace to some		
_	 	S-04	50						Very Moist	
-	-	S-05	50						Wet at 8'.	
-										
-10 — -		S-06	0				SW: Medium Dense, Red Brown, Medium to gravel, trace coarse gravel and silt.	Coarse Sand, some fine		
_	-	S-07	60		-					
_	1	0-07					SW-SM: Medium Dense, Red Brown, Silty Ve	ry Fine Sand, some		
_	_		1				coarse sand. Dilatent.			
•15 —	590	S-08	100				•			
_		C-01	80	72			GASPORT DOLOMITE - GOTHIC HILL MEMB	ER: Hard, medium grav.		
							medium grained dolomite. Some crinoid ste Stylolites. Voids from 17.0'-17.5' and 18.65'-	m fragments. Few		
_	Ť						infilled with red brown silt.	10.10. Fluorato de maio		
-	†									
-	 									
-20 —	585									
_	<u> </u>	C-02	100	100						
_	<u>L</u>	i								
-	Ť									
-	+									
			1	I	I				I	
COI	MMENT	S:Estimate	ed W	ater l	oss of 5	0 gallons	s. Casing grouted in place to 20.5'. Open R	ock Hole from 20.5'-45.8'	·	

				TI	D	7		TES"	T BORING LOG
				U	176	3 C	orporation	BORING NO.: E	3MW-04-08
PROJ							GP Sites	SHEET: 2 OF 2	0.4000
CLIEN	iT:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173975.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	REMARKS		
-25 —	— 580	1 1	ı	ı I			1		,
-	-	C-03	100	100					Possible slight MGP odor 25.5'- 30.5'.
-	-								
-30 —	— 57 5	C-04	100	100					
-	-								
-	- -						DECEW DOLOMITE: Hard, medium gray, fine	grained dolomite.	
-35	— 570 –	C-05	100	100	-		ROCHESTER SHALE - BURLEIGH HILL MEMI gray, very fine to fine grained argillaceous d calcareous shale with dolomite seams. Verti	olomite grading to cal fractures of 75	
_							degrees from 37.5'-38.6', 75 degrees from 38. from 39.9'-40.2'.	3'-39.6', and 90 degrees	
_	_								
-40 — 	565 -	C-06	100	100					
-	- -	-							,
-45	 560								
70	300								
									:
COM	IMENTS	Estimate	d Wa	ter lo	ss of 50) gallons	. Casing grouted in place to 20.5'. Open Ro	ck Hole from 20.5'-45.8'.	

				URS corporation				TEST BORING LOG			
				U		2 C	orporation	BORING NO. :	3MW-04-09		
PROJ	ECT:			Loci	kport F	ormer M	GP Sites	SHEET: 1 OF 3			
CLIEN	lT:			New	York S	State Ele	ctric and Gas	JOB NO.: 11173975	.84300		
BORII	NG CON	TRACTO	R:	Ame	rican A	\uger &	Ditching Co., Inc.	NORTHING: 1153762.6	66 EASTING: 1117791.53		
PROJ	ECT LO	CATION:		Loci	kport, i	lew Yor	•	GROUND ELEVATION	: 597.39		
DRILL	ING ME	THOD:		Air R	Rotary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	2/24/2005		
DRILL	. BIT SIZ	E/TYPE:		6" Ai	ir Hamn	ner/HQ C	ore	DATE FINISHED:	3/2/2005		
TOTA	L DEPTI	I DRILLE	D:	79.5	0			DRILLER: Ryan Baye			
DRILL	. RIG TY	PE:		Vers	a Drill	V-2000 a	ind/or Foremost CT-250	GEOLOGIST:	Robert Murphy		
								REVIEWED BY:			
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS		
	505								!		
0	— 595 —	S-01	50				FILL: Medium, Dark Brown, Sitt, some mediu fine to coarse angular gravel and coal fragm from 4.5 to 5.5'.	m to coarse sand and ents. Dolomite boulder	Moist		
-	_	S-02	25			$ X\rangle$					
-	_		ĺ			$ \times\rangle$					
-	-	S-03	25	 		$\langle X \rangle$					
-5—	 590	0-00				X					
-	-	S-04	30				SM: Medium Dense, Red Brown, Silty Fine Sa	and, some angular			
-	_						coarse gravel, trace coarse sand and fine rou	ınded gravel.			
_		S-05	35		1				Wet at 8.0'.		
40	505										
-10 — _	— 585 _	S-06	75								
_											
_		S-07	75								
							SW-SM: Dense, Silty Fine Sand and Medium	Sand to coarse rounded			
_		S-08	75				gravel (TILL).		· ·		
-15	— 580 	0.04	400	00			GASPORT DOLOMITE - GOTHIC HILL MEMBI	ED: Hard modium gray	*		
-	-	C-01	100	90			medium grained dolomite. Some crinoid ster Stylolites and calcite infilled vugs. Very Brol	m fragments. Few			
-	_						Otylonics and calolic limited vags. Very Biol	ven nom 15.5-16.6 .			
-	_										
-	-				 						
-20 —	575										
_		C-02	100	100							
_											
_											
-		C-03	100	100	 		DECEW DOLOMITE: sport Decew Contact (24	1.25').			
		U-03	, 100	, 100	ī		· · · · · · · · · · · · · · · · · · ·		l		
C01	ANAENTO	Yelf at									
	nivi⊂iV i S	⊏stimate	a vva	ater IC	JSS 01 5	o galions	. Casing grouted in place to 20.5'. Open Ro	оск нове тгот 20.5'-79.5'.	· · · · · · · · · · · · · · · · · · ·		
									·		
					-						

			BORING LOG						
							orporation		MW-04-09
PROJ							GP Sites	SHEET: 2 OF 3	24200
CLIEN	IT:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173975.	04300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
-25 — _	570						ROCHESTER SHALE - BURLEIGH HILL MEM gray, very fine to fine grained argillaceous calcareous shale with dolomite seams. Very 27.2', 36.3', 52.65'-52.70', and 62.65'-62.70'. 4'	dolomite grading to broken/weathered at	
-30 —	- - - 565	C-04	100	100			at 29'.		
- - -	-								
-35 -	560 	C-05	100	100					
-40 —	555	C-06	100	95					
-45 — -	550	C-07	100	96					Slight MGP odor at 44.9'.
-50 — -	545	C-08	100	94					
-55 —	540	C-09	100	100					Coal Tar blebs in return water starting at 52.5'. No visbile tar on core once recovered.
CO	MMENT	S:Estimate	ed W	ater lo	oss of 5	0 gallon	s. Casing grouted in place to 20.5'. Open R	Rock Hole from 20.5'-79.5'	
	-								

URS corporation BORING									T BORING LOG
		BMW-04-09							
PROJE							GP Sites	SHEET: 3 OF 3	0.4000
DEPTH FEET	T: ELEV	SAMPLE/ CORE NO.		RQD %	York S FRAC LOG	LOG	ctric and Gas GEOLOGICAL DESCRI	JOB NO.: 11173975	REMARKS
-60	- - - - - - - - -	C-10	100	100					Coal Tar visible in fracture at 56.8'. Coal Tar visible in fracture at 59.95'. Coal Tar visible in fracture at 61.85'. Coal Tar visible in fractures at 62.7' and 63.05'. Coal Tar visibile in fracture at 64.10'. No Coal Tar visible and no odor noted 64.5-79.5'.
-70	- - 525 - -	C-12	100	88			ROCHESTER SHALE - LEWISTON MEMBER to light gray, very fine to fine grained calcar brachiopod-shell fragments. Very Broken fr	: Medium hard, medium eous shale rich in om 77.55'-77.60'.	
-75	- 520 - - -	C-13	100	82					
,									
СОМ	IMENT	S:Estimat	ed W	ater le	oss of 5	0 gallon	s. Casing grouted in place to 20.5'. Open R	tock Hole from 20.5'-79.5	·'.

	URS c	orporation		T BORING LOG BMW-04-10		
PROJECT:	Lockport Former N		SHEET: 1 OF 3			
CLIENT:	New York State Ele			JOB NO.: 11173975.84300		
BORING CONTRACTOR:	American Auger &		NORTHING: 1154495.9			
PROJECT LOCATION:	Lockport, New Yor		GROUND ELEVATION	l: 592.27		
DRILLING METHOD:	Air Rotary/Wire Line	Rotary Rock Coring	DATE STARTED:	4/6/2005		
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ	Core	DATE FINISHED:	4/7/2005		
TOTAL DEPTH DRILLED:	65.00		DRILLER:	Ryan Baye		
DRILL RIG TYPE:	Versa Drill V-2000	and/or Foremost CT-250	GEOLOGIST:	Robert Murphy		
			REVIEWED BY:			
DEPTH ELEV SAMPLE/R FEET CORE NO.	FRAC LOG	GEOLOGICAL D	ESCRIPTION	REMARKS		
0— 590		NO SAMPLE				
+						
TI						
T						
-5 585						
†						
+						
+						
+						
-10 580						
+						
_						
-15 575						
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+						
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-20						
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		ng grouted in place. Open Rock Ho				

No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

TEST BORING LOG URS Corporation **BORING NO.:** BMW-04-10 PROJECT: **Lockport Former MGP Sites** SHEET: 2 OF 3 JOB NO.: 11173975.84300 **CLIENT:** New York State Electric and Gas DEPTH **ELEV** SAMPLE/ REC RQD FRAC LOG **GEOLOGICAL DESCRIPTION REMARKS** CORE % LOG FEET NO. -25 -- 565 -30 -35 555 550 545 C-01 100 No Odor. ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained calcareous shale with dolomite seams. Weathered Fractures at 47.05', 47.50', 51.80', 52.03', and 52.1'. -50 540 C-02 100 82 535 C-03 98 76 COMMENTS: Hole reamed down to 45' and casing grouted in place. Open Rock Hole from 45'-65'. No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

TEST BORING LOG URS Corporation **BORING NO.:** BMW-04-10 PROJECT: **Lockport Former MGP Sites** OF 3 SHEET: 3 JOB NO.: 11173975.84300 CLIENT: New York State Electric and Gas DEPTH **ELEV** SAMPLE/ REC RQD FRAC LOG REMARKS **GEOLOGICAL DESCRIPTION** CORE FEET % % NO. No Odor. ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachlopod-shell fragments. Weathered Fractures at 57.9' and 62.3'. -60 530 C-04 100 93

COMMENTS: Hole reamed down to 45' and casing grouted in place. Open Rock Hole from 45'-65'.

No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

		U	R	5 c	orporation		F BORING LOG MW-04-11	
PROJECT:					GP Sites	SHEET: 1 OF 3	14144-04-11	
CLIENT:					ctric and Gas	JOB NO.: 11173975.84300		
BORING CONTRAC	TOR:				Ditching Co., Inc.	NORTHING: 1154010.1		
PROJECT LOCATION				lew York	**	GROUND ELEVATION		
DRILLING METHOD					Rotary Rock Coring	DATE STARTED:	3/21/2005	
DRILL BIT SIZE/TY	PE:			ner/HQ C		DATE FINISHED:	3/24/2005	
TOTAL DEPTH DRI	_LED:	60.00)			DRILLER:	Ryan Baye	
DRILL RIG TYPE:		Vers	a Drill \	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
						REVIEWED BY:		
DEPTH ELEV SAME	RE %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCR	IPTION	REMARKS	
0					NO SAMPLE			
+					NO 5/11// 22			
+								
+								
1								
-5 600								
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-10 595								
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-20 585								
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See MW-06 for lithologic information from 0-38.2'.

				TI	D	·	TEST BORING LOG		
				U	7	3 C(orporation	BORING NO. :	BMW-04-11
PROJ	ECT:			Lock	port Fo	ormer M	GP Sites	SHEET: 2 OF 3	
CLIEN	IT:			New	York S	tate Ele	ctric and Gas	JOB NO.: 1117397	5.84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
-25 —	580	l I	I	I	l l	<u> </u>	1		
-	_								
-	_								
_									
-30	— 575	İ							
-	<u> </u>								
-	_								
- -	_								
-35 —	570						;		
- I									
-	†								
		C-01	100	100			ROCHESTER SHALE - BURLEIGH HILL MEN gray, very fine to fine grained argillaceous	dolomite grading to	
-40 —	565	C-02	100	100			calcareous shale with dolomite seams. Ver and 49.10'-49.15'. 60 degree vertical fractur	y Broken 47.40'-47.45'	
	+								
-	+								
	<u></u>								
-45 —	560	C-03	100	96			·		Sheen and MGP odor on core
	+								(45'-50').
				ļ					
	+								
-50 -	555	C-04	100	94		-			Slight MGP odor on breaks 50'-55'.
	+								55.
	<u> </u>								
	+								
-55 -	550	C-05	88	56					Coal Tar begins coming out in
	+		1	1					return water at 56'. Difficulty
CO	MMENT	S:Negligii	ble w	ater l	oss dur	ing borel	nole advancement. Casing grouted in place	at 38.2', Open Rock Ho	le from 38.2'-60.0'.
s	ee MW-	06 for litho	logic	infor	mation	from 0-3	B.2'.		
				_					
									BORING NO.: BMW-04-11

				U	R	5 c	orporation	BORING NO. :	EST BORING LOG BMW-04-11	
PROJE	CT:			Lock	port F	ormer M	GP Sites	SHEET: 3 OF	3	
CLIENT:				New	York S	State Ele	ctric and Gas	Gas JOB NO.: 11173975.84300		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC	LOG	GEOLOGICAL DESCRI	PTION	REMARKS	
-60	- - - - 545								recovering Core Run. When Drillers went back down to grab remainder of core run, significant MGP product with strong benzene odor came out with return water. Core was stained.	

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 38.2', Open Rock Hole from 38.2'-60.0'. See MW-06 for lithologic information from 0-38.2'.

		•		TT	D			TEST	BORING LOG		
				U	7.7.	3 C	orporation	BORING NO.: B			
PROJ	ECT:			Lock	port Fo	ormer M	GP Sites	SHEET: 1 OF 3			
CLIEN	IT:			New	York S	tate Elec	ctric and Gas	JOB NO.: 11173975.			
BORI	NG CON	TRACTO	R:				Ditching Co., Inc.	NORTHING: 1154033.6			
		CATION:				lew York		GROUND ELEVATION			
		THOD:					Rotary Rock Coring	DATE STARTED:	3/29/2005 3/30/2005		
		ZE/TYPE:				ner/HQ C	ore	DATE FINISHED:	Ryan Baye		
TOTAL DEPTH DRILLED:				59.00		V 0000 -	nd/or Foremost CT-250	DRILLER: GEOLOGIST:	Robert Murphy		
DRILL RIG TYPE:				vers	a Drill	V-2000 a	na/or Foremost C1-250	REVIEWED BY:	11000111111111111		
								KEVIEWED DT:			
DEPTH FEET				LOG	GEOLOGICAL DE	REMARKS					
		•									
0	595						NO SAMPLE				
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-	+		1								
-5	590										
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-15 –	580										
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	I	I	ı	I	ı	1	ı				
1							ale advancement. Contra provided to	nlace at 30' Open Back Hala fi	rom 39'-59 0'		
	WWEN1	ુ:Negligi				ing borer	ole advancement. Casing grouted in	place at 39, Open Rock Hole II	om 00-00.0 .		

SeeMW-10 for lithologic information from 0-39'.

				TT	D	~		TEST	F BORING LOG		
				U	K) C	orporation	BORING NO.: E	MW-04-12		
PROJI	ECT:			Lock	port F	ormer M	GP Sites	SHEET: 2 OF 3			
CLIEN	T:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173975.	84300		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS		
-25 —	— 570 	· 									
-30 — -	- - - 565 -										
-35 — -	560										
-40 — 	555	C-01	100	90			ROCHESTER SHALE - BURLEIGH HILL MEM gray, very fine to fine grained argillaceous of calcareous shale with dolomite seams. Very 45.8', 47.3-47.35', 53.80'-53.85', and 54.65'.	dolomite grading to	Slight sheen on return water, no odor on core.		
-45 —	550	C-02	100	90							
- -50 —	545	C-03	100	88					Coal Tar present in weathered zone from 47.30'-47.35'.		
-55 -	540	C-04	100	93					Coal Tar present in weathered fracture from 53.80'-53.85'. No visible coal tar beneath this point in this borehole.		
СО	COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 39', Open Rock Hole from 39'-59.0'.										
		0 for lithol		_							
									···		
									BORING NO.: BMW-04-12		

) COL	Corporation	BORING NO.: BM\	N-04-12	
PROJECT:	Lo	ckport Former	SHEET: 3 OF 3			
CLIENT:	Ne	w York State E	JOB NO.: 11173975.843	00		
DEPTH ELEV	SAMPLE/ REC RQ CORE % %	FRAC LOG	GEOLOGICAL DES	SCRIPTION	REMARKS	
+						

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 39', Open Rock Hole from 39'-59.0'.

SeeMW-10 for lithologic information from 0-39'.

	URS co	rporation		BORING LOG MW-04-13	
PROJECT:	Lockport Former MG		SHEET: 1 OF 3		
CLIENT:	New York State Elec		JOB NO.: 11173975.84300		
BORING CONTRACTOR:	American Auger & D		NORTHING: 1153975.5		
PROJECT LOCATION:	Lockport, New York	norming co., mo.	GROUND ELEVATION:		
DRILLING METHOD:	Air Rotary/Wire Line F	Rotary Rock Coring	DATE STARTED:	4/27/2005	
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Co		DATE FINISHED:	4/28/2005	
TOTAL DEPTH DRILLED:	60.50		DRILLER:	Ryan Baye	
DRILL RIG TYPE:		d/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
			REVIEWED BY:		
DEPTH ELEV SAMPLE REC CORE % NO.	RQD FRAC LOG	GEOLOGICAL DESCRI	PTION	REMARKS	
0 585	·····	NO CAMPLE			
+		NO SAMPLE			
1					
T					
-5 580					
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+					
<u> </u>					
-10 575					
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+					
-15 570					
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-20 565					
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+					
+					
1 1					
1 1					

Casing grouted in place at 35.5', Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

TEST BORING LOG URS corporation **BORING NO.:** BMW-04-13 PROJECT: **Lockport Former MGP Sites** SHEET: 2 OF 3 JOB NO.: 11173975.84300 CLIENT: New York State Electric and Gas SAMPLE/ REC DEPTH **ELEV** RQD FRAC LOG **GEOLOGICAL DESCRIPTION REMARKS** CORE FEET LOG NO. -- 560 555 -30 - 550 -35 C-01 100 97 ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained calcareous shale with dolomite seams. Trace brachipod fossils. Broklen/Weathered Fractures at 37.0-37.5', 40.0', 40.1', 40.7' (iron stained), 42.45'-42.53' (with sulfur odor), 49.45', 50.40'. **- 545** -40 C-02 100 86 -45 540 C-03 100 96 - 535 -50 C-04 100 100 -55 530 ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium 100 100 to light gray, very fine to fine grained calcareous shale rich in COMMENTS: Negligible water loss during coring of hole. No MGP impacts observed during the advancement of this boring. Casing grouted in place at 35.5', Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

				Ū	R	5 c	orporation	BORING NO. :	EST BORING LOG BMW-04-13
PROJ		·····				ormer M	SHEET: 3 OF 3 JOB NO.: 11173975.84300		
DEPTH FEET	1 1				FRAC LOG	LOG	ctric and Gas GEOLOGICAL DESCI		REMARKS
: : -	 - -						brachiopod-shell fragments.		
-60	525			_					

COMMENTS: Negligible water loss during coring of hole. No MGP impacts observed during the advancement of this boring.

Casing grouted in place at 35.5', Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

	TIDC		TEST	BORING LOG
	URS cor	poration	BORING NO.: B	MW-04-14
PROJECT:	Lockport Former MGP	Sites	SHEET: 1 OF 3	
CLIENT:	New York State Electr	ic and Gas	JOB NO.: 11173975.	
BORING CONTRACTOR	American Auger & Dit	ching Co., Inc.	NORTHING: 1153843.8	
PROJECT LOCATION:	Lockport, New York		GROUND ELEVATION	
DRILLING METHOD:	Air Rotary/Wire Line Ro	etary Rock Coring	DATE STARTED:	4/25/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	•	DATE FINISHED:	4/27/2005
TOTAL DEPTH DRILLED			DRILLER:	Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and	/or Foremost CT-250	GEOLOGIST:	Robert Murphy
			REVIEWED BY:	
DEPTH ELEV SAMPLE/F CORE NO.	REC RQD FRAC LOG	GEOLOGICAL DESC	RIPTION	REMARKS
0 605			,	
1		NO SAMPLE		
†				
†				
-5				
+				
1				
TIII				
†				
-10 595				
+				
+				
1				
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-15 590				
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-20 585				
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· · ·	•			
COMMENTS:No. 18-18-18-18-18-18-18-18-18-18-18-18-18-1	unotos logo durine cosis- c	f hole. Casing grouted in place at 46.5	Open Rock Hole from 46 f	5'-66 5'
O DENIA O CONTROL	the legic information from 0		, Open Nook Floir Holl 40.0	, 45.5.

See BMW-04-08 for lithologic information from 0-46.5'.

		· · ·		77	D	-	TEST BORING LOG		
		<u>-</u>		U	17.	J C	orporation	·	BMW-04-14
PROJ	ECT:						GP Sites	SHEET: 2 OF 3	04200
CLIEN	Т:			New	York S	tate Elec	ctric and Gas	JOB NO.: 11173975.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
-25 -	580 								
-30 -3	- - - - - - -				A A A A A A A A A A A A A A A A A A A				
-35 —	570								
-40 — -40 .	565				9 9 9				
-45	560	C-01	100	82			ROCHESTER SHALE - BURLEIGH HILL MER gray, very fine to fine grained calcareous s seams. Very broken/weathered at 49.2', 49.	MBER: Medium hard, dark hale with dolomite 3' 53'5' 57'5-57'5'	
-50 -	555	C-02	100	100) 		58.93'-59.0', 59.8', and 62.35'.	,,	Slight MGP odor and sheen in fractures at 49.2 and 49.3'. No odor or sheen observed 51.5' to 56.5'.
-55 -	550								
		S:Negligi -04-08 fo					g of hole. Casing grouted in place at 46.5', 0 0-46.5'.	Open Rock Hole from 46.	5'-66.5'.
		· .						<u> </u>	BORING NO.: BMW-04-14

TEST BORING LOG URS Corporation BORING NO.: BMW-04-14 PROJECT: SHEET: 3 OF 3 **Lockport Former MGP Sites** JOB NO.: 11173975.84300 CLIENT: New York State Electric and Gas DEPTH ELEV SAMPLE/ REC RQD FRAC LOG REMARKS LOG GEOLOGICAL DESCRIPTION CORE FEET % NO. 100 96 C-03 MGP odor and slight sheen observed at 59.8'. No odor or -60 545 sheen observed beneath this point. 100 100 C-04 -65 540

COMMENTS: Negligible water loss during coring of hole. Casing grouted in place at 46.5', Open Rock Hole from 46.5'-66.5'.

See BMW-04-08 for lithologic information from 0-46.5'.

TEST BORING LOG URS Corporation **BORING NO.:** MW-02 PROJECT: **Lockport Former MGP Sites** SHEET: 1 OF 2 **CLIENT:** New York State Electric and Gas JOB NO.: 11173976.84300 American Auger & Ditching Co., Inc. **BORING CONTRACTOR:** NORTHING: 1154123.077 EASTING: 1117945.281 PROJECT LOCATION: **GROUND ELEVATION:** 574.44 Lockport, New York **DRILLING METHOD:** Air Rotary/Wire Line Rotary Rock Coring DATE STARTED: 4/26/2005 DRILL BIT SIZE/TYPE: 6" Air Hammer/HQ Core **DATE FINISHED:** 4/27/2005 **TOTAL DEPTH DRILLED:** 55.00 DRILLER: Ryan Baye Versa Drill V-2000 and/or Foremost CT-250 **DRILL RIG TYPE:** Robert Murphy **GEOLOGIST: REVIEWED BY: DEPTH ELEV** SAMPLE/ REC RQD **FRAC** LOG **GEOLOGICAL DESCRIPTION REMARKS** LOG FEET CORE % % NO. 570 S-01 75 FILL: Concrete with 1/4" wire mesh. Very Moist FILL: Silty Fine to Medium Sand and Gravel. S-02 10 C-01 100 88 ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Faint black banding. Very broken/weathered at 9.3', 11.1', 23.05'-23.25', 33.75'-33.80', 35.65', 565 -5 36.40'-36.48', and 38.95'. C-02 100 100 -10 - 560 C-03 100 100 555 C-04 100 96 Fuel like odor and sheen at -20 550 C-05 100 90 19.45', Light Brown LNAPL blebs came out while coring this interval. COMMENTS: Water loss was not recorded for this well, but is estimated to have been less than 100 gallons. Casing grouted in place to 8'. Open Rock Hole from 8'-55'.

BORING NO.: MW-02

								T BORING LOG		
PPO JECT.									MW-02	
CLIENT:							ctric and Gas	SHEET: 2 OF 2 JOB NO.: 11173976.		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.			FRAC LOG	LOG	GEOLOGICAL DESCRIP		REMARKS	
-25 — - -	— 545 - -	C-06	100	78					MGP and Gasoline odor during coring this interval. Coal tar visible on fracture at 25.7'.	
-30	- 540 - -	C-07	100	88					Slight MGP odor and sheen 30-35'.	
-35	535 	C-08	100	80			·		Coal Tar blebs Visible on a II breaks 35'-40'.	
-40	- 530 -	C-09	100	82			ROCHESTER SHALE - LEWISTON MEMBER: to light gray, very fine to fine grained calcare brachlopod-shell fragments. Very broken/we 46.80'-46.85'.	ous shale rich in	No MGP impacts observed 40'- 45'.	
-45 -	- 525 - -	C-10	100	96	3				Visible Coal Tar in fracture from 46.80'-46.85'. Strong MGP odor in weathered fracture at 47.25'.	
-50	- 520 ·	C-11	100	92					No MGP impacts observed 50'-55'.	
-55	- 515									
COMMENTS:Water loss was not recorded for this well, but is estimated to have been less than 100 gallons. Casing grouted in place to 8'. Open Rock Hole from 8'-55'.										

BORING NO.: MW-02

				TTDC				TEST BORING LOG		
				U	17.6	<u> </u>	orporation	BORING NO.:	MW-04	
PROJE			Lock	port F	ormer N	IGP Sites	SHEET: 1 OF 3			
CLIEN	T:			New	York S	state Ele	ectric and Gas	JOB NO.: 11173976.84300		
BORIN	IG CON	TRACTO	R:	Ame	rican A	luger &	Ditching Co., Inc.	NORTHING: 1153719.	75 EASTING: 1118334.77	
PROJE	ECT LO	CATION:		Lock	(port, N	lew Yor	k	GROUND ELEVATION	l: 627.09	
DRILLI	ING ME	THOD:		Air R	totary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	2/8/2005	
DRILL	BIT SIZ	E/TYPE:		6" Ai	r Hamn	ner/HQ (Core	DATE FINISHED:	2/10/2005	
TOTAL	D:	85.5	0			DRILLER:	Ryan Baye			
DRILL RIG TYPE:				Vers	a Drill	V-2000	and/or Foremost CT-250	GEOLOGIST: Robert Murphy		
								REVIEWED BY:		
			T							
DEPTH FEET	ELEV	SAMPLE/ CORE	REC %	RQD	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS	
		NO.		~						
•						 				
0—	— 625	S-01	25		<u> </u>		Ell I - Loosa Dark Brown Silt trace clay over	rania riah tangail		
+						X	FILL: Loose, Dark Brown, Silt, trace clay, organic rich topsoil.		/ Very Moist	
	-					KX	FILL: Medium, Brown, Silty Clay, some coars	se sand.		
	_	S-02	25				1			
						\times	>			
1	-	S-03	50			ľΧ̈́	FILL: Soft, Clayey Silt some black/ gray mott	les, trace coarse sand,		
-5	— 620					X	trace fine rounded gravel, trace organics (ro	ots).		
+	-	S-04	75				*			
1	-					KX				
1	_					\angle				
		S-05	75				MH: Stiff, Brown to Red Brown, Clayey Silt, s	ome medium sand to	Moist	
1	-						fine rounded gravel.			
-10	— 6 15	S-06	90			SM: Very Dense, Red Brown, Silt, some fine to medium sand, tra		_		
+	-						coarse gravel, trace clay. Boulder from 14.5	18.0'.		
+	-	S-07	75							
1	-	0.01	'							
	_]					
		S-08	100	-						
-15	610									
1	-									
+	_									
1	-									
1	_					() () () () () () () () () ()				
-20 —	— 60 5	S-09	60			× ×	GM: Dense, Brown, Fine to Coarse Gravel an	d Silt.	Wet	
†	-						SW: Medium Dense, Red Brown, Fine to Medium Sand, trace		-	
+	•	S-10	90				gravel, silt, and coarse sand.			
+	-									
1	-	0.44								
		S-11	25				MH: Very Soft, Brown, Fluid Silt, some clay, s gravel.	some coarse angular		
					•					
COMMENTS:Lost 40 gallons of water while coring. Casing grouted in place to 45.5'. Open Rock Hole from 45.5'-85.5'.										
To gaillate of Matter White County, Capiting grounds in place to 40.0. Open Nock Hole from 45.5-65.5.										
										

BORING NO.: MW-04

URS corporation								TEST BORING LOG		
								BORING NO.: M	W-04	
PROJI				Lock	(port F	ormer M	GP Sites	SHEET: 2 OF 3		
CLIEN	T:			JOB NO.: 11173976.8	34300					
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS	
-25	600									
_	- - -	S-12	0							
-30	- 595								:	
-	-	S-13	25				ML: Medium Stiff, Red Brown, Very Clayey Si sand.	lit, trace to some coarse		
+	- -	S-14	80			7.427	SM: Medium Dense, Red Brown, Silty Fine to fine to coarse gravel. Dilatent.	Very Fine Sand, trace		
-35	- 590	S-15	100							
-	-	S-16	100							
_	- -	0.45								
	_	S-17	75							
-40 -	585 -	C-01	88	80		Eric (Eria (Girl) (A	GASPORT DOLOMITE - GOTHIC HILL MEMB medium grained dolomite. Some crinoid sterblack banding. Silted in void from 43.3' to 43.	m fragments. Some		
-45	- 580	-								
-	_	C-02	100	100					ì	
-50 —	- - 575									
-	- - -	C-03	100	100						
-55 —	- 570						DECEW DOLOMITE: Hard, medium gray, fine	grained dolomite		
4	-	C-04	100	100			glay, line	gramos acionine.		
COM	MENTS	:Lost 40 g	jallon	s of v	water w	hile corin	ng. Casing grouted in place to 45.5'. Open F	Rock Hole from 45.5'-85.5'		

					D(~	TEST BORING LOG		
				U	77	5 C	orporation		/IW-04
PROJ							IGP Sites	SHEET: 3 OF 3	0.000
CLIEN	IT:			New	York S	tate Ele	ectric and Gas	JOB NO.: 11173976.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
	 I	_ (1	ı					!
4	H						ROCHESTER SHALE - BURLEIGH HILL MEM	MBER: Medium hard, dark	
-	-						gray, very fine to fine grained argillaceous of calcareous shale with dolomite seams.	dolomite grading to	
		İ							
-60 —	 565	C-05	100	100	<u> </u>				
 -									
_	-								1.
-65 —	- 560								
-	-	C-06 100 100							
<u>-</u>	<u> </u>								
_	<u> </u>								
-70 —	555								
-	+	C-07	100	98			i		
-	+					-			
-	+								
-	+								
-75	550	C-08	100	100	<u> </u> i				
							i		
	↓								
-80 —	545								i
-	+	C-09	100	94					
	+								
	†								
-85 —	540								
-65	7 340						<u> </u>	· · · · · · · · · · · · · · · · · · ·	
СО	MMENT	S:Lost 40	gallo	ns of	water v	while cor	ring. Casing grouted in place to 45.5'. Open	Rock Hole from 45.5'-85	.5'.
—									
									BORING NO.: MW-04

				TT	D	2	<u>, </u>	TEST BORING LOG		
				U	K	3 C	orporation	BORING NO.: MW-06		
PROJ	ECT:			Lock	port F	ormer M	GP Sites	SHEET: 1 OF 2		
CLIEN	iT:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173976.84300		
BORIN	IG CON	TRACTO	₹:	Soilt	esting	lnc.		NORTHING: 1154010.67 EASTING: 1118266.9		
PROJI	ECT LO	CATION:		Lock	cport, N	lew York	(GROUND ELEVATION: 605.81		
DRILL	ING ME	THOD:		Air R	otary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	2/01/05	
DRILL	BIT SIZ	E/TYPE:		6" Ai	r Hamn	ner/HQ C	core	DATE FINISHED:	3/14/05	
TOTAL	DEPTI	DRILLE	D:	35.50				DRILLER:	Ryan Baye	
DRILL	. RIG TY	PE:		Vers	a Drill	V-2000 a	ind/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
								REVIEWED BY:		
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS	
^										
0-	605					$ X\rangle$	FILL: Asphalt and former brick road surface.			
-	_	S-01	90			X	FILL: Medium Stiff, Brown, Silt, some fine to trace clay.	coarse angular gravel,	Dry	
_	-	S-02	75	 -	1	ΚX	FILL: Medium Stiff, Brown, Silty Clay, to Clay	yey Silt, some coarse		
	+					$ X\rangle$	sand and fine to coarse gravel.		Black Staining and slight MGP	
-5—	600	S-03	30	1	1	$ \times\rangle$	1		odor at 4.0'	
_	-					\bigwedge	ļ		Visible Coal tar product (Black to dark brown) and odor at 5.5'.	
_	ļ	0.04	60	_	1	KX			Moist. Dark gray Staining, sheen and	
_	1	S-04	60			$\angle\!$			MGP odor 7-8'.	
_							CL-ML: Stiff, Red Brown, Clayey Silt to Silty	Clay, trace coarse sand.		
_										
-10 —		S-05	0		1		SM: Medium Dense, Brown, Silty Fine to Ver		Very Moist to Wet	
-	†						some Coarse gravel, trace clay, trace coarse	e Sanu.		
-	†	S-06	50	 	1					
-	†									
-	+	S-07	60		1					
-15 —	590						SW-SM: Dense, Brown, Silty Fine Sand and 0	Coarea Sand to Eine		
_	+	ļ	ļ	-	-		Gravel, some cobbles and boulders from 16.	.0' to 19.5' (TILL).		
-	_				1					
_	<u> </u>									
_										
	. 605						GASPORT DOLOMITE - GOTHIC HILL MEMB	RER: Hard medium grav-	-	
-20 —	585	C-01	96	88]		pink, medium grained dolomite. Some crino Trace stylolites and faint black banding.	id stem fragments.		
-	†		1				trace stylonies and faint black banding.			
-	†								į.	
-	+								-	
-	+	C-02	100	100	 					
					1					
		,								
CO	COMMENTS: Lost 20 gallons of water while coring. Casing grouted in place to 24'. Open Rock Hole from 24'-35.5'.									

<u>.</u>				U	RS	C	orporation	TI BORING NO.:	EST BORING LOG MW-06
PROJ	ECT:			Lock	port Fo	mer M	IGP Sites	SHEET: 2 OF	2
CLIEN	IT:			New	York St	ate Ele	ectric and Gas	JOB NO.: 11173	3976.84300
DEPTH FEET	ELEV	SAMPLE REC ROD FRAC LOG GEOLOGICAL DESCRIPTION NO.							REMARKS
-25 —	580	0.00	400	400					
-30	575	C-04	100	888			ROCHESTER SHALE - BURLEIGH HILL MEN gray, very fine to fine grained argillaceous calcareous shale with dolomite seams.	1BER: Medium hard, c	Some Tar blebs and MGP odor in return water when flushing at end of run.
	•			•					

COMMENTS:Lost 20 gallons of water while coring. Casing grouted in place to 24'. Open Rock Hole from 24'-35.5'.

				TT	D	M		TES	T BORING LOG	
				U	K.	3 C	orporation	BORING NO.:	MW-09	
PROJI	ECT:			Lock	port Fo	ormer M	GP Sites	SHEET: 1 OF 3		
CLIEN					 		ctric and Gas	JOB NO.: 11173976	5.84300	
BORIN	NG CON	TRACTO	 R:	Ame	rican A	uger & I	Ditching Co., Inc.	NORTHING: 1154184.	81 EASTING: 1118513.68	
		CATION:		Lock	port, N	lew Yorl	(GROUND ELEVATION	N: 605.94	
	ING ME				<u> </u>		Rotary Rock Coring	DATE STARTED:	2/15/2005	
DRILL	BIT SIZ	E/TYPE:				ner/HQ C		DATE FINISHED:	3/29/2005	
		1 DRILLE	D:	65.00)			DRILLER:	Ryan Baye	
	. RIG TY			Vers	a Drill	V-2000 a	ind/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
								REVIEWED BY:	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
			Ι	1					-	
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIP	PTION	REMARKS	
^	605									
0—	605					$ X\rangle$	FILL: Asphalt and Gravel sub base			
-	Ť						FILL: Fine to Coarse Gravel and Concrete pic			
-	†	S-01	25				FILL: Medium Stiff, Red Brown, Clayey Silt, o		Moist	
-	+					$\langle \times \rangle$				
-	+	S-02	100		1	KX				
-5	600	3-02	100						: Wet at 5.0'.	
-	1						SM: Silty Very Fine Sand, some coarse sand gravel, trace cobble (@ 8.5'). Dilatent.	, trace fine rounded	wet at 5.0.	
_	T	S-03	10				g.c. 5, 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
_	Ť	}			1					
-	†	S-04	10	1	1					
-	+									
-10 —	595	0.05	0.5	<u> </u>						
_	1	S-05	25							
-	T	S-06	100)						
-	†			į			SM: Medium Dense, Red Brown, Silty Fine S	and, trace clay stringers,	_	
-	+	S-07	100	5			trace fine round gravel. Dilatent.			
-15	590									
_	1	0.00	7,	ļ	_					
_		S-08	75							
					1					
•	T	S-09	75		1					
-	†									
-20	585	S-10	75		1		ML: Stiff, Red Brown Clayey Silt, some fine a	angular gravel (TILL).	Moist	
	+	C-01	84	54		4 8 19 1 1	·	RED: Ward modium are:	-	
] .	1			"			GASPORT DOLOMITE - GOTHIC HILL MEME medium grained dolomite. Some crinoid ste	em fragments. Trace		
l .	1						stylolites. Very Broken from 21.0'-21.4' and	23,1°-23.3 °.		
•	T									
	1	1	1	1	1		-		•	
T						b) -	Contract to Contra	Dook Hole from 25 71 61	5.0'	
			gallo	ons of	water v	while cor	ing. Casing grouted in place to 25.7'. Open	NOCK HOIR TOM 25./*-68	J.U .	
	omment	<u> </u>								
—										
	-	-						T	BORING NO.: MW-09	

		•	T BORING LOG								
PROJ	ECT.						orporation IGP Sites	BORING NO.: N SHEET: 2 OF 3	NVV-U9		
CLIEN							ectric and Gas	JOB NO.: 11173976	84300		
DEPTH FEET		SAMPLE/ CORE NO.			FRAC LOG	LOG	GEOLOGICAL DESCRI		REMARKS		
25	580										
-25	_ 560										
_		C-02	100	96							
_	-										
_											
-30 —	— 575	C-03	100	90	_						
-	-	C-03	100	30		-	DECEW DOLOMITE: Hard, medium gray, fine	e grained dolomite. 90			
-	-						Degree Vertical Fracture from 32.10'-34.35'.	. g. u			
-	-		:								
-	+										
-35 —	- 570	C-04	100	94							
-	+					Ī					
-	†						ROCHESTER SHALE - BURLEIGH HILL MEN gray, very fine to fine grained argillaceous calcareous shale with dolomite seams.	MBER: Medium hard, dark			
-	†						calcareous shale with dolomite seams.	dolomite grading to			
-	†										
-40 —	565	C-05	100	100							
	I										
_	1										
-45 —	560	C-06	100	96							
-	_	C-06	100	96							
	+	!									
	+								Coal Tar visible in fracture at 47.45'. Sheen on entire core		
	╁					-			45'-50'.		
-50 —	555	C-07	100	98							
	†					-					
•	†								No Sheen, Slight Odor.		
	†			ļ							
`	T								,		
-55 —	550	C-08	100	93					Trace Sheen, Slight odor while coring 55'-60'.		
	_	1	_	_			-				
СО	COMMENTS:Lost 40 gallons of water while coring. Casing grouted in place to 25.7'. Open Rock Hole from 25.7'-65.0'.										
	omment	2						- ·			
		·									
								Ī	BORING NO.: MW-09		

			U	RS	C	orporation	TE BORING NO. :	EST BORING LOG MW-09
CT:								
:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173	976.84300
ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRI	PTION	REMARKS
– 545 – 540	C-09	100	100					No Odor, no Sheen on core from 60'-65'.
_	: ELEV	SAMPLE/CORE NO.	SAMPLE/ REC CORE % NO. C-545 C-09 100	ELEV SAMPLE/ REC NQD CORE NO. NO	ELEV SAMPLE/ REC RQD FRAC LOG NO. C-09 100 100	ELEV SAMPLE/ REC RQD FRAC LOG NO. C-09 100 100	SAMPLE/ REC CORE NO. ROD FRAC LOG GEOLOGICAL DESCRIP	URS Corporation BORING NO.: CT: Lockport Former MGP Sites SHEET: 3 OF New York State Electric and Gas JOB NO.: 11173: ELEV SAMPLE/ RC CORE NO.

COMMENTS:Lost 40 gallons of water while coring. Casing grouted in place to 25.7'. Open Rock Hole from 25.7'-65.0'.

Comment2

	URS corporation							TEST BORING LOG		
				U	T.	3 C	orporation	BORING NO.: MW-10		
PROJE	ECT:			Lock	port Fo	ormer M	GP Sites	SHEET: 1 OF 2		
CLIEN	T:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173976.84300		
BORIN	IG CON	TRACTO	R:	Ame	rican A	uger & E	Ditching Co., Inc.	NORTHING: 1154032.17 EASTING: 1118132.41		
PROJE	ECT LO	CATION:	•	Lock	port, N	lew York	(GROUND ELEVATION	: 598.71	
DRILL	ING ME	THOD:		Air R	otary/\	/ire Line	Rotary Rock Coring	DATE STARTED: 2/22/2005		
DRILL	BIT SIZ	E/TYPE:		6" Aiı	r Hamm	ner/HQ C	core	DATE FINISHED:	3/14/2005	
TOTAL	DEPTH	I DRILLE	D:	34.50)			DRILLER:	Ryan Baye	
DRILL	RIG TY	PE:		Vers	a Drill	V-2000 a	and/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
								REVIEWED BY:		
DEPTH :	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS	
•	505									
U—	— 59 5	S-01	50				FILL: Medium Stiff, Brown, Silt, some gravel	sized concrete, gravel,	Moist	
-	_					$ X\rangle$	and coal pieces, trace clay.			
	_	S-02	50			$\langle \rangle$				
-	_					<u> </u>	FILL: Medium Dense, Brown, Fine to Medium	 n Sand.	Wet	
_	-	S-03	25	 		\leftarrow	FILL: Loose, Red, Wood Chips		Very Moist Damp	
-5	590					$k \rightarrow \langle \cdot \rangle$		Moist		
_	_	S-04	10			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	FILL: Medium Stiff, Dark Gray, Organic silt, s	Wet at 6.0'. Predominant		
_	_	3-04	'			X	FILL: Medium Dense, Gray, Fine to Coarse a	Sheen and MGP odor 6-8'.		
	- -	S-05	60				SM: Medium Dense, Red Brown, Silty Fine S Dilatent.	and, trace coarse sand.		
- 10 —	— 5 85	S-06	25				SP-SM: Dense, Red Brown, Silt, some fine g	ravel and coarse sand		
_	-		ļ	-	-		(TILL).			
-	<u>-</u> -	C-01	100	85			GASPORT DOLOMITE - GOTHIC HILL MEMB medium grained dolomite. Some crinoid ste	ER: Hard, medium gray, m fragments. Very	Top of rock is impacted by coal tar. None visible in first core because of using air.	
-	<u>.</u>	0.01					Broken from 14.30'-14.45'.		When Rock socket was reamed coal tar and water noticed in	
-15 —	— 580								hole.	
-	_									
_										
-	+	C-02	100	100						
-	+									
-20 —	575	C-03	100	100						
-	+									
-	 									
_	1									
_	_							•		
		C-04	100	96	 					
	•		-	•						
CO	MENT	S:Lost 50	gallo	ns of	water v	vhile cori	ng. Casing grouted in place to 18'. Open R	ock Hole from 18'-34.5'.		
			-							
ı										

			TT	D4			TE	ST BORING LOG
			U	K) C	orporation	BORING NO.:	MW-10
PROJECT:			Lock	port Fo	SHEET: 2 OF	2		
CLIENT:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173	976.84300
DEPTH ELEV FEET	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRI	PTION	REMARKS
-25 570	C-05	100	88			DECEW DOLOMITE: Hard, medium gray, find ROCHESTER SHALE - BURLEIGH HILL MEN gray, very fine to fine grained argillaceous calcareous shale with dolomite seams.	MBER: Medium hard, d	Coal Tar odor and blebs in return water while coring at 28.5. No odor on core itself. Entire core exhibits sheen. Coal Tar odor and blebs in return water while coring at 33.5'.

COMMENTS:Lost 50 gallons of water while coring. Casing grouted in place to 18'. Open Rock Hole from 18'-34.5'.

				77	D		Į.	TEST	F BORING LOG	
				U) Co	orporation	BORING NO.: MW-14		
PROJE	ECT:					ormer MC	GP Sites	SHEET: 1 OF 3		
CLIEN	T:			New	York S	tate Elec	ctric and Gas	JOB NO.: 11173976.	84300	
BORIN	IG CON	TRACTO	₹:	Ame	rican A	uger & D	Ditching Co., Inc.	NORTHING: 1153999.4	2 EASTING: 1118466.25	
		CATION:		Lock	port, N	lew York		GROUND ELEVATION:	: 617.54	
	ING ME				* :		Rotary Rock Coring	DATE STARTED:	2/2/2004	
DRILL	BIT SIZ	ZE/TYPE:				ner/HQ C		DATE FINISHED:	3/29/2005	
TOTAL	. DEPTH	H DRILLE	D:	80.08)			DRILLER:	Ryan Baye	
DRILL	RIG TY	PE:		Vers	a Drill	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy	
					-			REVIEWED BY:		
1				\Box			1			
DEPTH FEET	ELEV	SAMPLE/ CORE	REC %	RQD	FRAC LOG	LOG	GEOLOGICAL DESCRIP	TION	REMARKS	
		NO.	, "	"	}				1	
				<u> </u>						
0	615	S-01	60	Т	<u> </u>		Fill 1 - Modium Stiff Dook Dayun Organia 2.5	Silt trace coares coard	Moist	
	<u> </u>		"			4	FILL: Medium Stiff, Dark Brown, Organic rich		Damp	
	_			<u> </u>		$\langle X \rangle$	FILL: Stiff to Very Stiff, Red Brown, Silt, some some fine to coar subangular gravel.	e clay to trace clay,	- amp	
		S-02	60		1	$ \langle X $				
_						\bigvee				
-	-	S-03	75	 	1	\mathbb{X}		Ī		
-5	610					KX				
_	L	S-04	75	1	-	الثير	SW-SM: Medium Dense, Red Brown, Silty Ver		Very Moist.	
		3-04	1'5				some coarse sand and fine gravel, trace clay.	. Dilatent.		
	_									
_	Γ	S-05	60				ML: Medium Stiff, Red Brown, Silt, some clay	, some coarse sand and		
-	†						fine rounded gravel. Cobble zone 12'-13'.			
-10 —	605	S-06	75	+	1					
-	 									
-	ļ.	S-07	75	-	-					
_	L	3-0/	75						1864	
							SW: Medium Desne, Fine to Medium Sand, tra	ace silt, trace coarse	Wet	
	Γ	S-08	90				. Same graver, dade codise sallu.		,	
-15 —	600								1	
-	+	S-09	60	+	-					
-	F									
	<u> </u>	0.42	40-	 						
1		S-10	100	'	1					
							SM: Medium Dense, Red Brown, Silty Fine Sa	and, trace coarse sand,		
-20 —	595	S-11	50	T	1		trace coarse gravel. Dilatent.			
-	†						1			
-	+	S-12	100	+	1					
-	ļ.	- '-								
_	L		1_	1]					
[S-13	60	-			SW-SM: Very Dense, Red Brown, Silty Very F sand, trace fine to coarse gravel.	ine Sand, some coarse		
1	•	•	-	•	•		•			
	AMENT	51 224 427) e="	000	funt	while	ing. Casing arouted in place to 20.71. O	Rock Hole from 20 71 90	10'	
	viivi⊏N F	U.LOST 10(gall	ons 0	water	write cor	ring. Casing grouted in place to 39.7'. Open	TOOK HOLE HUIL 38.7 -8L		
								,		

	_		i i	ŢŢ	Þ	.	<u> </u>	TEST BORING LOG		
PROJE	:CT-						Corporation	- 	NW-14	
CLIEN							MGP Sites Electric and Gas	SHEET: 2 OF 3 JOB NO.: 11173976.8	84300	
DEPTH FEET		SAMPLE/ CORE NO.			FRAC LOG	LOG		<u> </u>	REMARKS	
-25	- 590									
-	_		$\vdash \vdash$							
_	-	S-14	50				SM: Dense, Red Brow, Silty Fine to Very Fin Dilatent. Some fine angular gravel 32.8'-33.0 of rock.	ne Sand, trace clay. 0'. Boulders likely on top		
20	sor	S-15	60							
-30 — _	— 585 _	S-16	75				and the state of t			
-	-									
		S-17	100							
-35 —	— 580	C-01	100	84			GASPORT DOLOMITE - GOTHIC HILL MEME	BER: Hard, medium gray-	**************************************	
	-						pink, medium grained dolomite. Some crind	ज्ञाच गर्वयुगाशाङ्गः		
- _										
- -	-									
-40 —	 575	8-83	188	188						
<u>-</u>	_									
_	-									
-	+									
-45 —		C-04	100	95						
- -	<u> </u>						DECEW DOLOMITE: Hard, medium gray, fin	ne grained dolomite.		
_	-									
-	<u> </u>									
-50	565 	C-05	100	88					in the state of th	
_	+									
-	+						ROCHESTER SHALE - BURLEIGH HILL MEI gray, very fine to fine grained argillaceous calcareous shale with dolomite seams.	MBER: Medium hard, dark dolomite grading to		
-55	— 560	C-06	100	98	<u> </u>	-				
-	+	1	1		•				<u> </u>	
CON	MENT	5:Lost 100) gallo	ons o	f water	while	coring. Casing grouted in place to 39.7'. Ope	n Rock Hole from 39.7'-80).0'.	
Щ										

 	71	DC		TEST BORING LOG		
	U	RS Corporation		BORING NO.: MW-14		
PROJECT:		kport Former MGP Sites		SHEET: 3 OF 3 JOB NO.: 11173976.84300		
CLIENT:	New	York State Electric and Gas	<u> </u>	JOB NO.: 111/39/6.8	34300	
DEPTH ELEV SAMPLE CORE NO.	E/ REC RQD	FRAC LOG GEOLOGIC	CAL DESCRIP	TION	REMARKS	
-60 - 555 C-07	100 88				Slight MGP odor on core at 60.65'.	
-70 — 545 — C-09	93 85					
-50 535						
COMMENTS:Lost 1	00 gallons o	of water while coring. Casing grouted in place	to 39.7'. Open	Rock Hole from 39.7'-80	0.0'.	

				TT	D	[W		TES"	T BORING LOG
				U	K	5 C	orporation	BORING NO. :	NW-15
PROJE	CT:			Lock	port F	ormer M	GP Sites	SHEET: 1 OF 2	
CLIENT				New	York S	tate Ele	ctric and Gas	JOB NO.: 11173976	.84300
BORING	G CON	TRACTO	₹:	Soilt	esting	Inc.		NORTHING: 1154651.7	1 EASTING: 1118491.49
PROJE	CT LO	CATION:		Lock	port, N	lew York	(GROUND ELEVATION	: 591.14
DRILLII	NG ME	THOD:		Air R	otary/V	Vire Line	Rotary Rock Coring	DATE STARTED:	3/16/05
DRILL !	BIT SIZ	E/TYPE:		6" Aiı	Hamn	ner/HQ C	ore	DATE FINISHED:	3/23/05
TOTAL	DEPTH	DRILLE	D:	50.00)			DRILLER:	Ryan Baye
DRILL I	RIG TY	PE:		Vers	a Drill	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy
					_			REVIEWED BY:	
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
l ⁰⊤	- 590					$ X\rangle$	FILL: Asphalt over gravel sub base.		
		S-01	50				FILL: Medium Dense, Gray brown, Silty Fine fine gravel.	to Coarse Sand, some	Moist
+		S-02	90			$\backslash\!$	FILL: Medium Dense, Red Brown, Silt, some gravel, trace clay.	medium sand to fine	
+						X	FILL: Medium Stiff, Red Brown, Clayey Silt to some fine angular gravel, trace medium san	o Silt, trace clay, trace to	Very Moist to Wet.
-5	- 585	S-03	100						
!	•	C-01	86	52			GASPORT DOLOMITE - GOTHIC HILL MEME medium grained dolomite. Some crinoid ste	m fragments. Very	
1	-						Broken 6.0-6.2'. Vertical Fracture (90 degree from 8.0-8.7'.	es) from 6.0-6.5'. Void	
I +	-								
! ↓									
-10	– 580				-				Slight undifferentiated petroleum odor at 9.4'.
	_								petroleum odor at 9.4.
		C-02	100	100					
I	-								
†	•	ļ							
1 +	-				1				
-15	– 575	C-03	98	86					
I ∤	•								· ·
1 1	_						DECEW DOLOMITE: Hard, medium gray, fin	e grained dolomite.	
1 1	=						ROCHESTER SHALE - BURLEIGH HILL MEN		Olimba Danaible MCD adas at
	_		ļ			-	gray, very fine to fine grained argillaceous calcareous shale with dolomite seams. Son	dolomite grading to ne dark banding. Calcite	Slight Possible MGP odor at 18'.
							infilling at 39.7' and 47.15'.	•	
-20	— 57 0	C-04	98	85					
1	-								
+	-		ļ		<u> </u>				
} +	-								
1 +	-								
		L	<u> </u>				l		1
СОМ	MENT	S:Lost 20	gallo	ns of	water v	vhile cori	ng. Casing grouted in place to 11'. Open R	ock Hole from 11'-50'.	
ı		·							

			1	TT	D.			TES"	F BORING LOG
				U	K) C	orporation	BORING NO.: N	NW-15
PROJI	ECT:		_	Lock	port Fo	rmer M	GP Sites	SHEET: 2 OF 2	
CLIEN	T:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173976.	84300
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
-25 —	565 	C-05	100	92			•		
 -30 	- 560 	C-06	100	96			·		
-35 —	555	C-07	100	93					
-40 — -	550	C-08	100	96					
-45	545	C-09	100	100					
-50 ~	540	L							
co —	MMENT	S:Lost 20	gallo	ns of	water	vhile cor	ing. Casing grouted in place to 11'. Open F	Rock Hole from 11'-50'.	
					· · · · · · · · · · · · · · · · · · ·	-			BORING NO.: MW-15

				U	R	5 c	orporation		F BORING LOG
PROJ	ECT:			Lock	port F	ormer M	GP Sites	SHEET: 1 OF 1	
CLIEN	T:			New	York S	tate Ele	ctric and Gas	JOB NO.: 11173976.	84300
BORIN	IG CON	TRACTO	₹:	Ame	rican A	uger & I	Ditching Co., Inc.	NORTHING: 1154030.7	7 EASTING: 1118058
PROJ	ECT LO	CATION:		Lock	port, N	iew York		GROUND ELEVATION	: 596.36
DRILL	ING ME	THOD:		Air R	otary			DATE STARTED:	3/25/2005
DRILL	BIT SIZ	E/TYPE:		6" Ai	r Hamn	ner		DATE FINISHED:	3/25/2005
TOTAL	. DEPTI	I DRILLE	D:	10.00	0			DRILLER:	Ryan Baye
DRILL	RIG TY	PE:		Vers	a Drill	V-2000 a	nd/or Foremost CT-250	GEOLOGIST:	Robert Murphy
								REVIEWED BY:	
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIF	PTION	REMARKS
0	-	S-01	50				FILL: Asphalt and Former Brick road surface).	Moist
-	— 595 - -	S-02	25				FILL: Fine to Coarse Angular Gravel and Slit	y Fine Sand, trace clay	in order
-5 	-	S-03	50		_		FILL: Clayey Silt, trace fine sand and coarse black staining and coal tar staining, MGP od	gravel. Dark gray to or, and sheen 5.5'-6.5'	
trace coarse Coal Tar tend +).							SW-SM: Slity Very Fine Sand, some medium trace coarse angular gravel. Small coal tar to Coal Tar tends to be visible mostly on coars +).	lebs with MGP odor.	Very Moist
-10]			<u> </u>	<u> </u>				

COMMENTS: Installed 2" PVC monitoring well in bore hole with screen from 5-10'.

				7		TEST	BORIN	IG LO	<u> </u>			
			UR	O Cor	pora	tion			BORING NO.: GB-01		-	
PROJE	CT/PROJEC	CT LOCA	TION: Loc	kport Form	er MGP	Site	•		SHEET: 1 OF 1			
CLIENT	·		NYSEG				•		JOB NO.: 11173973.84	300		
BORING	G CONTRA	CTOR:	Geologic N	Y, Inc					NORTHING: 1153999.58	EAS	TING: 111	7977.18
GROUN	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	596.8'	-	
DATE	TIME	LEVE	L TYPE	TYPE		Macrocore			DATE STARTED:	5/25/05		
				DIA.		2"			DATE FINISHED:	5/25/05		
				WT.					DRILLER:	Judd Po	well	
				LENGTH		4'		1	GEOLOGIST:	Rob Mu	rphy	
				* P	OCKET F	ENETROMETE	R READIN	IG	REVIEWED BY:	$\frac{1}{2}$		>
		SA	MPLE	REC%		SOIL			MATERIAL			
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	PID	REMARKS
												_
0—	EXXXX	S1	NA	75%	Gray/	Medium	Concre	ete Sidew	alk.	FILL	ND	Moist
-					Black	Dense	`	. 	/			
	\bowtie			ŀ	Brown		and gi		t and fine to coarse sand			
4												
				750/				No odor	fine to coarse sand and		ND	
		S2	NA	75%			Clayey	Silt with	gray cobbles and gravel.		NO	
-5												
7												
1				Ī	Brown/ Red		Clavev	Silt trace	to some fine sand.			Wet zone at
+		S3	NA	100%	Brown		/		lack and brown mottles.		ND	7.5'.
+					Lt. Gry Brown		Organi	ic roots a	9.2'.			Wet 9.2-9.4'.
-10							Silty M	ledium to ganics (ro	Coarse Sand, trace clay oots).			
-							End of	Boring a	t 9.4'. Refusal on k or boulder.			
-												
1				Ì								
-15												
4												
4		}	1		,							}
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-20 —												
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-				i								
4												
-25							<u> </u>				<u> </u>	
			**									
СОМ	MENTS: B	oring wa	s advanced v	vith a Geopr	obe 540	0 Rig. ND=No	n-detect.	NA=Not	applicable.			
Colle	cted sample	e from (8	.4-9.4') for an	alysis of VC	Cs, SVC	Cs, PCBs, Ph	enois, M	etals, and	Total Cyanide.			

			TID	<u> </u>	. —				TEST	BORIN	IG LO	3
			URS						BORING NO.: GB-02			
PROJE	CT/PROJEC	T LOCAT	TION: Loci	kport Forn	ner MGP	Site			SHEET: 1 OF 1			
CLIENT	<u>``</u>		NYSEG						JOB NO.: 11173973.84			
BORING	G CONTRAC	CTOR:	Geologic N	Y, Inc					NORTHING: 1153950.08		TING: 111	7975.65
GROUN	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	597.9'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/25/05		
				DIA.		2"			DATE FINISHED:	5/25/05		
				WT.					DRILLER:	Judd Po		
				LENGTH		4'			GEOLOGIST:	Rob Mu	rpny	
				*P	OCKET	ENETROMETER	READIN	1G	REVIEWED BY:	134	MOL	
		SAM	/IPLE	REC%		SOIL			WATERIAI		_	
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	uscs	PID	REMARKS
1												
о — і	PXXXX	\$1	NA	60%	Brown	Medium	Concre	ete Sidew	alk	FILL	ND	Moist
4		1				Dense	∫	 -	and fine to coarse gravel			
4	 		-				and co	ome clay a obble. No	odor.		,	}
1	$\mathbb{K}\times\!$											
					11.		Fine S	and and I	Fine Gravel.		ND	ļ
_]	<u> </u>	\$2	NA	90%	Lt. Brn Lt. Gry				omite Cobble.		""	
-9				ļ	Red Brown		\			SM		
4			}		"		some	coarse sa	, trace to some clay, and to fine gravel, trace	ļ i	ļ	}
-					ĺ .		coarse	e gravel.	No odor.			[
4	開制計	S3	NA NA	100%	1		Silfy	ine Sand	, some fine gravel, some	1	ND	Very Moist to Wet.
4							coarse	e sand. N	lo odor.			* vet.
-10 —				<u> </u>			 	4 D - 1	+ 10 01 - D-6:1:			
		1	}			1	End o	ble Bedro	at 10.0'. Refusal on ck. Dolomite in shoe.			
		1									[
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7	,											
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-15 —]		Ì			1				Ì		
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-25	<u> </u>	<u> </u>			<u> </u>						<u> </u>	<u> </u>
	<u> </u>											
C01	ANACHITO. S	30ring was	advanced 14	rith a Geor	rohe 540	00 Ria. ND=No	n-detect	l. NA=No	t applicable.			

Collected sample from (9-10') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected a blind duplicate (DUP-01) from (9-10') for the same analyses.

BORING NO.:

	,			חפי			TEST	BORIN	NG LO	G				
			U	RS c	rpora	ation			BORING NO.: GB-03					
PROJE	CT/PROJEC	T LOC	ATION:	Lockport Fo	rmer MGI	P Site			SHEET: 1 OF 1		•			
CLIENT	:	-	NYSEG	;					JOB NO.: 11173973.84	300				
BORING	CONTRA	CTOR:	Geolog	jic NY, Inc					NORTHING: 1153867.03	EAS	TING: 11	17977.00		
GROUN	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	599.9'				
DATE	TIME	LEVE	L T	YPE TYPI	:	Macrocore			DATE STARTED:	5/31/05				
				DIA.		2"			DATE FINISHED:	5/31/05				
				WT.					DRILLER:	Judd Po				
				LENGT	н	4'			GEOLOGIST:	Rob Mu	-			
				1	POCKET	PENETROMETE	TER READING REVIEWED BY: Which the second se					2		
		\$4	AMPLE	REC%		SOIL			LATEDIA!					
DEPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK			MATERIAL SCRIPTION	uscs	PID	REMARKS		
			COUNT	RQD%		HARDNESS								
. 0-7	KXXX	S1	NA	75%	Brown	Loose	Lands	cape Grav	vel over Fabric.	FILL	ND	Moist		
-	KXXX				Red	Medium Stiff	 		Sand, trace silt, trace	,				
4	\bowtie				Brown		coarse		Sand, trace sitt, trace					
4 1	Clayey Silt to Fine Sandy Silt, some													
	coarse sand to coarse gravel, trace													
		S2	NA	50%			`			'	l ND			
3							Clayey	/ Silt, trac	e coarse sand, trace to arse gravel, brick.					
1 .							Cobble	e/Gravel z	one 6.5-7.0'.		İ			
- 1							Silty F	ine Sand.	some medium sand,	SP-SM	1			
		S3	NA	40%	-	Dense			oarse gravel.		ND	Wet		
_									,					
-10						,								
	[t 11.0'. Refusal on					
1							pionai	ole bedro	<i>i</i> ∧.					
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-											<u> </u>	!		
-15 —														
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				}										
-20 —	ļ													
-	1													
-														
					}									
-25							1							
COM	MENTS R	oring w	as advanc	ed with a Geo	probe 540	00 Rig. ND=No	n-detect	NA=Not	applicable.	,,,,,,				
						Cs, PCBs, Phen				•				
		(,	,	.,	,								

				C.		TEST	BORIN	IG LO	}				
			UK	S cor	pora	tion	_		BORING NO.: GB-04				
PROJE	CT/PROJEC	CT LOC	ATION: Lo	ckport Form	er MGP	Site			SHEET: 1 OF 1				
CLIENT	:		NYSEG						JOB NO.: 11173973.84	300			
BORING	CONTRAC	CTOR:	Geologic N	IY, Inc					NORTHING: 1154002.51	EAS	TING: 111	8055.19	
	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	597.6'			
DATE	TIME	LEVE	L TYPE	TYPE		Macrocore	_		DATE STARTED:	5/26/05			
				DIA.		2"			DATE FINISHED:	5/26/05			
				WT.					DRILLER:	Judd Po			
		Ĺ		LENGTH		4'			GEOLOGIST:	Rob Mu	/	}	
				* P	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	w	W A	200	
		SA	MPLE	REC%		SOIL			MATERIAL				
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	USCS	PID	REMARKS	
													
0—	XXXI	S1	NA	75%	Brown	Soft	Organi	c Silt, wit	h roots, trace clay.	FILL	ND		
+ 1					Red Brown	Medium Dense	\	ine Sand	/				
		ļ			Gray Brown	Medium Stiff	\ <u></u>	ded Conc				Moist	
						e.			ne fine to coarse gravel,		<u> </u>		
_ 7		S2	NA	70%	Black		\	oal/cinde]	ND-5 ppm	Very Moist	
-5					Brown/			/ Peat-like	e material with musty		ND-5	I	
+	$\times\!\!\!\times\!$	1			Green/ Black		odor.		/		ppm		
4	XXX		.		DIACK		Clayey	/ Silt, som fine grave	ne coarse gravel, trace to el. Some coal tar staining		250 ppm		
4							on gra			[
	ļ								t 7.2'. Refusal on				
-10 —							probat	ole bedro	CK.				
						l !							
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_ 7													
-15 —									:				
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				,									
7			<u>L</u> _	<u></u>	L	<u></u>							
-25 —				-	- 	· . 							
001	MAENTO. P	Soring ""	as advanced	with a Georg	obe 540	0 Rig. ND=No	n-detect	NA=Not	applicable.			**************************************	
			·						Total Cyanide.				

GB-04

Also collected sample from (3-4') for analysis of NOD and TOC.

			TTD	• <u> </u>			TEST	BORIN	IG LO	3		
			URS	Col	rpora	ition			BORING NO.: GB-05			
PROJE	CT/PROJEC	CT LOCA	TION: Loc	kport Forn	ne r M GF	Site			SHEET: 1 OF 1			
CLIENT	Γ:		NYSEG			·			JOB NO.: 11173973.84			
BORIN	G CONTRA	CTOR:	Geologic N	r, Inc					NORTHING: 1154003.62		TING: 111	8069.31
GROUN	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	597.9'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/26/05		
				DIA.		2"			DATE FINISHED:	5/26/05		
				WT.		<u> </u>			DRILLER:	Judd Po		
				LENGTH	}	4'	GEOLOGIST: Rob Murphy					2
				* P	OCKET	PENETROMETE	READIN	IG	REVIEWED BY:	les	4	
DEPTH		SAN	MPLE	REC%		SOIL			//ATERIAL		•	
FEET	STRATA	NO.	BLOW ~	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	ROCK BESOKII NOW		PID	REMARKS		
	<u> </u>											
o ¬	XXX	S1]	NA	85%	Brown	Soft			0.00	FILL	ND	Dry
_		-		-	R. Brn	Medium	<u> </u>		roots over Silt, trace clay.			•
				-	Gray	Dense Stiff	Silty Fi	ne Sand.	/			
	$\otimes \otimes$				Brown Gray	_,	Clayey	Silt, som	e medium to coarse			
	sand and fine to co								coarse gravel, trace arse Gravel zones from			.,
1		S2	NA	75%	Dark Red	Medium Dense	1.5-1.8	and 3.8-	4.0'.		ND	Very Moist Moist
-5	KXXX			-	Green	Stiff			coated 5.0-5.2'. Coarse		49.5 ppm	
1					Gray		L	at 5.2'.			ND	
4	$\otimes \otimes$						Silty Cl	lay, some	fine to coarse gravel. one with coal tar 6.8-7.0'.			
4		S3	NA NA	75%	Red	Medium	\			SM	ND-2.4	Wet
4		İ			Brown	Dense	coarse	gravel, se	some fine gravel, trace ome coal tar staining on		ppm	
-10 —							ا ٹ	surfaces.				
-							probab	le bedroc	10.0'. Refusal on k.			
7												
1												
,]	1		1									
-15 —												
4												
=												
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-20 —												
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-25 —						l 	1			l	<u> </u>	
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Collected samples from (6-8') and (9-10') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (6.8-7.0' plus MS/MSD) for analysis of extended PAHs.

BORING NO.:

			TTO	·C			TEST	BORIN	NG LO	G		
			OL	S co	rpora	tion			BORING NO.: GB-06			
PROJE	CT/PROJE	CT LOC	ATION: L	ockport For	mer MGF	Site			SHEET: 1 OF 1			
CLIENT	:		NYSEG						JOB NO.: 11173973.84	300		
BORIN	G CONTRA	CTOR:	Geologic	NY, Inc					NORTHING: 1154007.73	EAS	TING: 11	18123.08
GROUN	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	598.7'		
DATE	TIME	LEVE	L TYP	E TYPE		Macrocore			DATE STARTED:	5/26/05		
	_			DIA.		2"			DATE FINISHED:	5/26/05		
				WT.					DRILLER:	Judd Po	oweli	
				LENGT	4	4'			GEOLOGIST:	Rob Mu	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9-1
			_	*	POCKET	PENETROMETE	R READIN	iG	REVIEWED BY:	me	e Cyk	
		SA	MPLE	REC%		SOIL			MATERIAL	"		
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK	MATERIAL DESCRIPTION			uscs	PID	REMARKS
			COUNT	110076		HARDNESS						
												
0		S1	NA	90%	Gray		Asphal	t Road.		FILL	ND	
-					Lt. Brn	Medium Stiff	<u> </u>		d Mortar Road Bed.			Moist
+	$\mathbb{K}\!\!\times\!\!\!\times\!\!\!\times\!$				Gray Brown		ß					
4							Mediur	m Sand aı	nd Coarse Ang. Gravel.			
4		S2	NA	60%					im to coarse sand and		ND	
-5—	\otimes	32	INA	60%			Very	Gravelly 5	avel, trace clay and coal. 5-6'.		NU	_
												Dry
1 1					Red Brown	Medium Dense	Silty Ve	ery Fine S	Sand, trace gravel. Black			Very Moist
1	$\otimes \otimes$				23	stainin 7.0-7.2	ig and slig !'.	ght unidentifiable odor				
1		S3	NA	90%	1		Silty Fi	ne Sand	some fine to coarse	SM	ND	Occasional
-							rounde	d gravel,	trace to some clay.			Wet Zone.
-10 —							and po	gray stain issible MC	ing. Slight sulfury odor SP odor.			
4	Target Park						├ ──		10.5'. Refusal on			
							probab	le bedroc	k.			
_												
]												
7												
-15												
-					ļ							
4						i						
-20 —												
-20												
1												
-												
-												:
-25	.						ļ					

Collected samples from (7-8') & (8.5-10.5' + DUP-03) for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected sample from (7-8' plus DUP-04) for analysis of extended PAHs.

BORING NO.:

			777	C					TEST	BORIN	G LO	3
			UK	S cor	pora	tion			BORING NO.: GB-07			
PROJE	CT/PROJEC	T LOCA	ATION: Lo	ockport Form	er MGP	Site			SHEET: 1 OF 1			
CLIENT			NYSEG						JOB NO.: 11173973.843	300		
BORING	G CONTRAC	CTOR:	Geologic	NY, Inc		,			NORTHING: 1154006.80	EAS	TING: 111	8164.55
	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	600.3		
DATE	TIME	LEVE	L TYPE	TYPE		Macrocore			DATE STARTED:	5/26/05		
				DIA.		2"		[DATE FINISHED:	5/26/05		
			<u> </u>	WT.					DRILLER:	Judd Po	well	
			<u> </u>	LENGTH		4'			GEOLOGIST:	Rob Mu	rphy	·
			<u> </u>	*P	OCKET P	ENETROMETER	READIN	IG	REVIEWED BY:	my	MY	
		SA	MPLE	REC%		SOIL			INATEDIAL			
DEPTH FEET	STRATA	NO.	BLOW	I	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	uscs	PID	REMARKS
	<u></u>			<u> </u>				·				
0-7		S 1	NA	95%	Gray		Asphal	1t		FILL	ND	
4					Brown/ Gray/	Stiff	<u> </u> `		/			Moist in Seams
4					Black			and Concr	'		ļ	
_						;	Silt, so	ome medii ne gravel	um to coarse sand, trace trace coal. MGP odor 4-			
	\mathbb{K}			000/			5'.				ND-5.7	Wet
_		S2	NA	90%	Gray		I .	Coarse	Gravel Coated with Coal	ĺ	ppm	
5—	KXXX				Gray to		Tar.		/			Moist
7	\bigotimes				Black		Silty C	lay to Cla	yey Silt.	,		\$44->
+						Medium	√ Fine to	Coarse	Gravel Coated with Coal	SM		Wet
-		S3	NA NA	30%	Red Brown	Dense	Tar.			SP-SM	ND-1.5	
40						 	Silty F odor.		, trace coarse sand. MGP	!	ppm	
-10 —							Silty F	ine Sand, unded ar	, some coarse sand and avel. Some gravel pieces			
				1 200		D	have	coal tar c	oating. MGP odor.	SW-SM	ND-0.5	
		S4	NA	60%		Dense			, some fine angular gravel coarse sand.	24A-91AI	ppm	
4					,	:	End o	f Boring a	at 13.5'. Refusal on			<u> </u>
-15 —				•			probal	ble bedro	ck.			1
		j					1					
ا ا	<u> </u>											
-												
-20						1					1	
-{												
-												
25											<u> </u>	1
-25 —												
COL	AMENTS F	oring w	as advanced	l with a Geon	robe 540	0 Rig. ND=No	n-detect	NA=Not	applicable.			
									enols, Metals, and Total Cya	anide		
Coll	octor sampi	55 1	(5.5 5.6) 411	- 1 - 3 - 5 - 5 /		,						

GB-07

Also collected sample from (5.0-5.2') for analysis of extended PAHs.

			TID	•		TEST	BORIN	IG LO	G			
			URS) Co	rpora	ation			BORING NO.: GB-08			
PROJE	CT/PROJE	CT LOCA	TION: Loc	kport Fori	ner MGF	Site			SHEET: 1 OF 1			
CLIENT	;		NYSEG						JOB NO.: 11173973.84	300		
BORING	G CONTRA	CTOR:	Geologic N	Y, Inc					NORTHING: 1154000.98	EA\$	TING: 11	18231.48
GROUN	IDWATER:	•			CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	604.8'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/26/05		
			-	DIA.		2"			DATE FINISHED:	5/26/05	-	
				WT.					DRILLER:	Judd Po	well	
				LENGTH	ı	4'	_		GEOLOGIST:	Rob Mu	· · // /	
				* F	POCKET	PENETROMETE	READIN	G	REVIEWED BY:	rie	O JES	
		SAN	MPLE	REC%		SOIL	•		MATCOIAL		. •	
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	USCS	PID	REMARKS
0-		S1	NA	75%	Brown	Medium Stiff	Organi	c Silt, sor	me fine gravel.	FILL	ND	Moist
	XX				Brown			me medu r gravel.	ım to coarse sand and			
-												
_		S2	NA	90%			Clayey gravel.		e coarse sand to fine		ND	Wet
-5						Very Stiff	Silt to (gravel.	Clayey Si Black Si	lt, some fine angular taining 5.0-5.5'. No odor.			Very Moist
+												
		S 3	NA	90%							NĎ	
-10 —					Gray		/ Silty Cl mottles		rown, black and white			
-					Brown	Medium			some rounded gravel.	SM		Wet
-		S4	NA I	80%		Dense Very Loose		ne Sand, DNAPL b		, ,	ND	
-					-				with medium to coarse t 13.0'. Contains Coal			
-15 —	10010010010010				Red Brown	Dense	Tar Ble	bs. Sligh	nt MGP odor.	SP-SM		
_							fine ro		some coarse sand, trace el, trace sheen 14-15'.			
-								Boirng at	t 16.0'. Refusal on			
]							p. 0.00.0					
7												
-20 —												
1												
-			1									,
4												
4												
-25					<u> </u>							
	<u> </u>											

Collected samples from (12-14') and (15-16') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (12-14') for analysis of extended PAHs.

BORING NO.:

			TT	DC	•			TEST	BORIN	NG LO	G		
			U	77	Co	rpora	ition			BORING NO.: GB-09			
PROJE	CT/PROJEC	CT LOC	ATION:	Lock	port Forr	ner MGF	Site			SHEET: 1 OF 1	•		
CLIEN	Γ:		NYSE	G						JOB NO.: 11173973.84	1300		
BORIN	G CONTRA	CTOR:	Geolo	ogic NY	', Inc					NORTHING: 1153976.88	EAS	TING: 11	18065.59
GROU	NDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	601.0'		
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
					DIA.		2"			DATE FINISHED:	6/1/05	•	
					WT.					DRILLER:	Judd Po	owell	
					LENGTH		4'			GEOLOGIST:	Rob Mu	· ·	Na
					* F	OCKET	PENETROMETE	READIN	G	REVIEWED BY:	تتسرير	u/)d	
		S	AMPLE		REC%		SOIL					- ✓	
DEPTH FEET	STRATA	NO.	BLOV		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL SCRIPTION	uscs	PID	REMARKS
		•											
0-		S1	NA		50%	Red Brown	Soft	some fi	ravel Suri ine gravel concrete.	ace over, Clayey Silt, l, trace coarse gravel,	FILL	ND	Moist
-5	S2 NA 75% Gy Brn Gray Medium S Medium Dense							Silty Find Silty Find Silty Clarent odor in Fine to	SP soake ne to Coa ay, with b very silty Coarse A	ve sheets of creosote d plywood, stained black. Arse Gravel. Alack staining and MGP zones. Angular Gravel and wet with coal tar blebs		50.5 ppm ND	Dry Moist Dry Wet
-10 -		\$4	NA		100%	Red Brown	Dense	Silty Fil gravel, Some s	een. ne Sand, trace ang sheen and	some fine rounded jular coarse gravel. d MGP odor. oal tar blebs through out	SM	6.8 ppm 15.5 ppm	Moist Very Moist to Wet
-15								Dissem soil.	ninated co	stained gray. sal tar blebs throughout 13.8'. Refusal.			

Collected samples from (10-12') and (12-13.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected samples from (10-12') for analysis of Extended PAHs, NOD, and TOC and (12-13.8') for Extended PAHs.

BORING NO.:

			Ti	DC	T				TEST	BORIN	NG LO	3	
			_U		Col	rpora	ition			BORING NO.: GB-10			
PROJE	CT/PROJEC	CT LOC	ATION:	: Lock	kport Forn	ner MGF	⁹ Site			SHEET: 1 OF 1			
CLIENT	<u></u>		NYS	EG						JOB NO.: 11173973.843	300		
BORING	G CONTRAC	CTOR:	Geol	logic NY	, Inc					NORTHING: 1153891.46	EAS	STING: 111	8073.33
GROUN	NDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	601.7'		
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	5/26/05		
					DIA.		2"			DATE FINISHED:	5/26/05		
					WT.					DRILLER:	Judd Po		
					LENGTH		4'			GEOLOGIST:	Rob Mu	ırphy	
	l				* P	OCKET	PENETROMETER	READIN	G	REVIEWED BY:	iuZ,	1	
		S	AMPLE		REC%		SOIL						
DEPTH FEET	STRATA	NO.	BLO		RQD%	COLOR	CONSISTENCY ROCK	ļ		MATERIAL SCRIPTION	USCS	PID	REMARKS
			COU	INT	1.04D 1/0		HARDNESS	·					
_													
°	[\ \ \ \ \ \ \	S1	N/A	4	80%	Gray Red	Stiff	Fine to	Coarse G	Gravel, some silt.	FILL	ND	Dry Moist
4	KXXX	İ				Red Brown	1	1~		ne clay, some fine sand,	1		MOST
-	\bigotimes]			Ì	'	1	some fi	ine to coa	arse gravel, yellow and			1
-						'	1	red bric	ck. No od	ior.			1
]	$\times\times$	- 2			90%		Madisse			Sand, some coarse		0-2	Mot 4 F
-5		S2	N.A	1	an 1/0		Medium Dense	sand, ti	race fine g	gravel.	1	0-2 ppm	Wet 4-5'.
						Black	Stiff	Black S	tained Si	ilt to Clayey Silt with	1		Moist
7					}	Brown		Tiberou	s black m	naterial. /	' I		1
	KXXXI					' I		Wood (Chip/Mulc	ch (Purifier Waste)	,		I
	$[\swarrow\swarrow]$	S3	N/	4	90%	Gray		Clayey	Silt, trace	e fine gravel. Fine to	1	ND	Wet
-	 		ļ			Brown/ Black	Loose	MGP of	dor (9-9.5	one (fluid) with slight 5'). Green mottles and	1		1
-10 —	\times	ļ				Brown	Very Stiff	Stong I	MGP odoi	r (9.5-10.5').	1	28.5 ppm	1
]	r V V V					Red	Dense	Silty Ve	ry Fine S	Sand, some coarse sand,	SP-SM	ND	1
	Negative Property of the Prope					Brown	ļ	slight N	/IGP odor	. Dilatent		<u> </u>	1
		\$4	N/	4 [100%	1	ļ	Silty Ve	ery Fine S	Sand, some fine gravel.	SM	ND	1
7							<u> </u>						
+	[]					1	ļ			t 13.6'. Refusal on ck. Had shallow refusals	1	[]	1
-15	Į l					1	ĺ	on crea	osote soal	ked wood at 5.5' and 6.0'	1	1	
-						1	ţ	at first	two atten	npts for this boring.	1		1
4						1	<u> </u>				1 4		1
_						1	1				ļ 		1
	į l					1	Į ,	•		Į	1		!
_20	Į l		<u> </u>			۱				<u>.</u>	<u> </u>		Ī
-20	{					۱	l	1		Ì	1		
1	, l	Ì	ļ			¹ l	l			Ì	1		
+						¹				Ì			l
4						¹ l	l			Ì	1		
4						1	l			Ì	1		
-25	<u> </u>		L			1						L	

Collected samples from (9.5-10.5') and (12.6-13.6') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected sample of probable purifier waste from (6.0-6.2') for Total Cyanide only.

BORING NO.: GB-10

				~					TEST	BORIN	G LO	G		
			UR	Coi	pora		BORING NO.: GB-11							
PROJE	CT/PROJEC	CT LOCA	ATION: Loc	kport Form	er MGP	Site	•		SHEET: 1 OF 1					
CLIENT	:		NYSEG			·········		•	JOB NO.: 11173973.84	300				
BORING	3 CONTRAC	CTOR:	Geologic N	Y, Inc					NORTHING: 1153868.69	EAS'	TING: 111	18139.64		
	IDWATER:	••			CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	606.0'				
DATE	TIME	LEVE	L TYPE	TYPE	<u> </u>	Macrocore			DATE STARTED:	5/24/05				
			.	DIA.		2"			DATE FINISHED:	5/24/05				
				WT.					DRILLER:	Judd Po	well			
				LENGTH		4'			GEOLOGIST:	Rob Mu	rphy			
				* P	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	iny	0			
		S/	AMPLE	REC%	$\overline{}$	SOIL			MATERIAL					
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	ROCK HARDNESS			MATERIAL ESCRIPTION	uscs	PID	REMARKS		
0—	PS SSS	S1	NA	70%	Brown Gray/	Medium Dense	Aspha	It	,	FILL	ND	Moist to Damp		
-				r										
Black Gravel and Silt Silt and Fine to Coarse Sand, some gravel, brick and concrete, trace coal and														
gravel, brick and concrete, trace coal and cinder, no odor.														
_	\mathbb{K}	\$2	NA NA	60%	Brown						ND	-		
-5		32	N/A	50%	DIOWII			-				Very Moist to		
-							Fine to		Silty Sand, trace coarse			Wet		
					Red Brown			ine Sand, gular grav	trace fine to coarse	SM	No	Wet		
-		S3	NA	30%		Dense	Silty F sand,	ine Sand. trace rou	, some medium to coarse nded coarse gravel.	SW-SM	ND			
-10 —				1	ļ							į		
-		S4	NA NA	50%			Silty F	ine Sand	, some medium to coarse		ND	†		
 -					,				ome fine rounded gravel.					
-15 —					أ									
-		S5	NA	100%			sand,		, some medium to coarse e and coarse rounded to avel.		ND	<u> </u>		
							End o	f boring a	t 17'. Refusal.					
, 1										1				
-20 —														
-	ļ													
												Ì		
-25]						<u></u>							
-20														
COM	MENTS F	Sorina w	as advanced v	vith a Geon	robe 540	0 Rig. ND=No	n-detect	. NA=Not	applicable.					
									Total Cyanide.					

	•		TTT	C			TEST	BORIN	IG LO	<u>G</u>				
			<u>U</u> K	S cor	rpora	tion			BORING NO.: GB-12					
PROJE	CT/PROJEC	ST LOC		ckport Form					SHEET: 1 OF 1					
CLIENT	F:		NYSEG						JOB NO.: 11173973.84	300				
BORING	G CONTRAC	CTOR:	Geologic I	NY, Inc					NORTHING: 1153868.68		TING: 11	18182.43		
	NDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	606.8'				
DATE	TIME	LEVE	EL TYPE	TYPE		Macrocore			DATE STARTED:	5/24/05				
				DIA.		2"			DATE FINISHED:	5/24/05				
				WT.					DRILLER:	Judd Po				
				LENGTH		4'			GEOLOGIST:	Rob Mu	irphy	· <i>Q</i>		
_				* P	OCKET F	PENETROMETER	R READIN	iG	REVIEWED BY:	~~~	27	\leq		
	<u> </u>	SA	AMPLE	REC%		SOIL			MATERIAL					
DEPTH FEET	STRATA	NO.	BLOW COUNT		COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	uscs	PID	REMARKS		
	<u> </u>													
0		S1	NA	60%	Gray	Medium Dense			over, Fine to Coarse el, some silt.	FILL	ND	Moist		
Red Brown Clayey Silt, trace coarse sand and coarse gravel. Slight MGP odor and trace sheen (3-4'). ND Very Min We														
-5—		S2	NA	25%		l					ND	1		
-			:											
1	KXXXI	S3	NA	90%		· !	Silty Fit	ne Sand.			ND	Wet		
-10 —						:	Mediur rounde	n to Coarsed gravel.	rse Sand, trace fine					
-			1			i	Silty Fig	ne Sand		SM	1			
1		S4	ÑA	80%			Silty Fi		some coarse sand to avel.		ND	-		
-15 —				devents in a region		\								
- - -		S5	NA	100%			Silty Fi	ne Sand,	dilatent, no odor.		ND			
-20							End of	boring at	t 18.5'. Refusal.					
-			ı											
1		ì	l											
4		Ì	1			I					[
-25 —	 				L	L								
СОМ	MENTS: B	oring wa	s advanced v	with a Geopr	obe 540(0 Rig. ND=Nor	n-detect.	NA=Not	applicable.					
Colle	cted sample	s from (′3-4') and (17.	.5-18.5') for a	analysis	of VOCs, SVO	Cs, PCBs	, Phenols	s, Metals, and Total Cyanide	9.		1		

SINATA NO. BLOW COUNT RQD% Brown Loose Red Brown Stiff Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. SIL, some clay, very fine sand and coarse sand. Faint gray staining. Silt, some clay, very fine sand and coarse sand. Faint gray staining. ND ND Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No	
JOB NO.: 11173973.84300 SIGNING CONTRACTOR: Geologic NY, Inc SROUNDWATER: CAS. SAMPLER CORE TUBE GROUND ELEVATION: 607.8' DATE TIME LEVEL TYPE TYPE Macrocore DATE FINISHED: 5/26/05 WIT. DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05 DRILLER: Judd Powell FOCKET PENETROMETER READING REVIEWED BY: WITH ARDNESS SAMPLE REC% ROCK HARDNESS SAMPLE REC% ROCK HARDNESS SILL SOME DESCRIPTION SILL ND SP SILL ND FILL ND FILL ND FILL ND FILL ND FILL ND FILL ND SEPTIME SAND, SEPTIME	
ORING CONTRACTOR: Geologic NY, Inc ORING CONTRACTOR: Geologic NY, Inc CAS. SAMPLER CORE TUBE GROUND ELEVATION: 607.8' DATE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 5/26/05 DIA. 2" DATE FINISHED: 5/26/05 WIT. DATE FINISHED: 5/26/05 DRILLER: Judd Powell LENGTH 4' GEOLOGIST: Rob Murphy *POCKET PENETROMETER READING REVIEWED BY: WITH DESCRIPTION STRATA NO. BLOW COUNT RQD% COLOR ROCK HARDNESS S1 NA 60% Brown Loose Medium to Coarse Sand and Gravel. Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some clay, very fine sand and coarse sand. Red Brown Dense Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No SP	
ROUNDWATER: ATE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 5/26/05 DIA. 2" DATE FINISHED: 5/26/05 DATE FINISHED: 5/26/05	
ATE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 5/26/05 DIA. 2" DATE FINISHED: 5/26/05 WT. DRILLER: Judd Powell GEOLOGIST: Rob Murphy *POCKET PENETROMETER READING REVIEWED BY: SAMPLE REC% NO. BLOW COUNT RQD% SOIL CONSISTENCY ROCK HARDNESS STRATA STRATA STRATA STRATA STRATA SIT NA 60% Brown Loose Red Brown border of the coarse gravel, trace coal. SIT STRATE STRATE SAMPLE REC% ROCK HARDNESS MATERIAL DESCRIPTION SIT SIT SOIL ND SIT SOIL CONSISTENCY ROCK HARDNESS SIT SOIL CONSI	.83
THE LEVEL TYPE TYPE WAS ABOUT TO BE ABOUT	
WT. LENGTH 4' GEOLOGIST: Rob Murphy POCKET PENETROMETER READING REVIEWED BY: STRATA NO. BLOW COUNT RQD% COLOR ROCK HARDNESS MATERIAL DESCRIPTION USCS PID REI STRATA S1 NA 60% Brown Red Brown Silf, some fine sand, trace clay, trace fine to coarse gravel, trace coal. S2 NA 60% Brown Silf, some clay, very fine sand and coarse sand. Fine Sand, black staining in parts. No Fine Sand, black staining in parts. No Fine Sand, black staining in parts. No	
LENGTH 4' GEOLOGIST: Rob Murphy	
POTH STRATA SAMPLE REC% NO. BLOW COUNT RQD% SOIL CONSISTENCY RQD% RECM HARDNESS MATERIAL DESCRIPTION Wedium to Coarse Sand and Gravel. Silf, some fine sand, trace clay, trace fine to coarse gravel, trace coal. S1 NA 60% Brown to Red Brown Silf, some clay, very fine sand and coarse sand. Faint gray staining. S2 NA 60% Brown to Red Brown Silf, some clay, very fine sand and coarse sand. Faint gray staining. S2 NA 60% Red Medium Brown Silf, some clay, very fine sand and coarse sand. Fine Sand, black staining in parts. No SP	
SAMPLE REC% NO. BLOW COUNT RQD% COLOR RQD% COLOR RQD% COUNT RQD% COLOR RQD% RQD% RQD% RQD% RQD% RQD% RQD% RQD	
SAMPLE REC% NO. BLOW COUNT RQD% STRATA NO. BLOW COUNT RQD% STRATA NO. BLOW COUNT RQD% STRATA NO. BROWN Loose Red Brown Red Brown Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some clay, very fine sand and coarse sand. Faint gray staining. ND Red Brown Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No SP	
STRATA NO. BLOW COUNT RQD% COLOR ROCK HARDNESS DESCRIPTION S1 NA 60% Brown Loose Red Brown Stiff Brown Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. S2 NA 60% Brown to Red Brown Silt, some clay, very fine sand and coarse sand. Faint gray staining. Red Brown Dense Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No SP	
Red Brown Stiff Red Brown Stiff Stiff Red Brown Stiff Stiff Stiff Stiff Medium to Coarse Sand and Gravel. Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some clay, very fine sand and coarse sand. Fine Sand, black staining in parts. No	MARK:
Silf, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some clay, very fine sand and coarse sand. Silt, some clay, very fine sand and coarse sand. Silt, some clay, very fine sand and coarse sand. Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No	
Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal. Silt, some clay, very fine sand and coarse sand. Faint gray staining. ND ND ND Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No	Dry Moist
S2 NA 60% Brown to Red Brown Red Brown Dense Silty Fine Sand, some coarse sand. Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No	noi91
Silt, some clay, very fine sand and coarse sand. Silt, some clay, very fine sand and coarse sand.	
Silt, some clay, very fine sand and coarse sand. Silt, some clay, very fine sand and coarse sand.	
Silt, some clay, very fine sand and coarse sand. Silt, some clay, very fine sand and coarse sand.	
Red Brown Dense Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No	
Brown Dense Silty Fine Sand, some coarse sand. Fine Sand, black staining in parts. No Sp	
Fine Sand, black staining in parts. No Sp	ry Mois
The second of th	Wet
odor. SM ND	AAGI
Silty Fine Sand. Dilatent. No odor, no	
staining.	
対対 対対 ND	
Dense Very Fine Sandy Silt to Silty Fine Sand,	
some rounded fine gravel and coarse	
sand, trace coarse angular gravel.	
SM SM	
Silty Fine Sand, trace coarse sand. ND ND ND ND ND	
18.0'.	
Silty Clay	
MI/CI	
End of Boring at 18.8'. Refusal on probable bedrock.	
7	
4	
COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.	

Collected samples from (7-8') and (17.8-18.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.:

GB-13

Also collected sample from (16-17') (plus blind duplicate DUP-02) for TOC and NOD analysis.

			TT	DC						TEST	BORIN	IG LO	G
			U	1	Cor	rpora	tion			BORING NO.: GB-14			
PROJE	CT/PROJEC	CT LOC	ATION:	Lock	port Forn	ner MGP	Site			SHEET: 1 OF 1			
CLIENT	r:		NYSE	G						JOB NO.: 11173973.84	300		
BORIN	G CONTRA	CTOR:	Geolo	gic NY	, Inc					NORTHING: 1153934.25	EAS'	TING: 11	18242.49
GROUN	IDWATER:				٠	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	606.7'		
DATE	TIME	LEVE	EL 1	YPE	TYPE					DATE STARTED:	5/23/05		·
					DIA.		2"			DATE FINISHED:	5/23/05		
					WT.					DRILLER:	Judd Po	well	
					LENGTH		4'			GEOLOGIST:	Rob Mui	rphy	
					* P	OCKET P	ENETROMETE	R READIN	G	REVIEWED BY:	iii)		
		SA	AMPLE	ĺ	REC%		SOIL			GATEDIA!			-
DEPTH FEET	STRATA	NO.	BLOW		BOD9/	COLOR	CONSISTENCY ROCK			MATERIAL SCRIPTION	uscs	PID	REMARKS
			COUN	Т	RQD%		HARDNESS						<u> </u>
											٠		
0-	XXX	S1	NA		90%	Gray-Dk Gray	Medium Dense	Sand a	nd Grave	el with silt.	FILL	ND	Dry
-							Dense						
4						Red Brown				trace to some fine to			Moist to Very Moist
4								coarse	gravei.				
_		00	N/A		- 000/							ND	Wet
E	$\otimes \otimes$	S2	NA		30%							NU	vvet
-3-		-									[
7	\bowtie												
4	KXXXI												
4		S3	NA.		90%	Dark		Silty Fi	ne Sand	some medium sand,		ND	1
4						Brown		trace c	oarse sai	nd. Sheen, MGP odor			
-10 —	\bowtie					Dod		and vis	ble NAPI	L blebs.	SM		
					1	Red Brown		Silty Fi	ne Sand,	dilatent.	Sivi		
											11		
7		S4	NA		75%					some coarse sand to	SP-SM	ND	
1								fine gra	ivel.				
-							Dense						
-15 —													
_		S5	NA		100%			071 5	01		SW-SM	ND	_
_			144					sand a	ne Sano, nd fine g	some medium to coarse ravel.			
								End of	Boring a	t 17.5'. Refusal.			
									Donnig u				
1													
-20 —													
-					ŀ								
1													
4													
				Ì									
-25								ļ	·		<u> </u>		<u> </u>
													
COM	MENTS: B	oring wa	as advan	ced wit	h a Geopr	obe 5400	Rig. ND=No	n-detect	NA=Not	applicable.			
										enols, Metals, and Total Cya	nide		

			m	•				ļ	TEST	BORIN	IG LO	3
		ļ	UR!	Col	rpora	ition			BORING NO.: GB-15			
PROJE	CT/PROJEC	CT LOCATI	ION: Loci	cport Forn	ner MGF	Site			SHEET: 1 OF 1			
CLIENT	;		NYSEG						JOB NO.: 11173973.84	300		
BORING	G CONTRA	CTOR: (Geologic NY	/, Inc					NORTHING: 1153939.41	EAS	TING: 111	8304.70
GROUN	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	606.9'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/24/05		
				DIA.		2"			DATE FINISHED:	5/24/05		
			ļ	WT.	ļ				DRILLER:	Judd Po		
				LENGTH	<u> </u>	4'		<u> </u>	GEOLOGIST:	Rob Mul	rphy	
			<u></u>	* P	OCKET	PENETROMETE	READIN	IG	REVIEWED BY:			<u> </u>
DEPTH		SAME	PLE	REC%		SOIL CONSISTENCY		P	MATERIAL			
FEET	STRATA	N/ I	BLOW COUNT	RQD%	COLOR	ROCK HARDNESS			SCRIPTION	USCS	PID	REMARKS
•		S1	NA	90%	Gray		Concre	ete			ND	Dry
-			ļ		Brown	Medium Dense	Silty Fi	ine to Coa	rse Sand, trace fine	FILL		Moist
4			1	-	Dark		gravel		/			Wet
-		ļ		}	Brown Red				stained, with MGP	SM	ļ	
-		S2	- NA	70%	Brown		Sheen	and odor	·		ND D	
-5—		i					Silty Fi	ine Sand,	dilatent. Slight odor.			
							L				ND	
		S3	NA	90%			Silty V	ery Fine S	Sand, dilatent, no odor.		ДИ	
]												
-10 —												
1												
1		S4	NA	60%			Very S	Silty, Very	Fine Sand, Trace Clay,		ND	
1					ı		dilater	it, no odoi			ļ	
				Ì			İ					
-15 —												
-		S5	NA	100%							ND	
4												
_			اً									
											!	
-20 —		•					End of	f boring at	19.0'. Refusal. Gravel			
							11 3110	.				
1			ļ									
1												
-												
-25					l	<u> </u>	I	· · · · · ·		Ļ		l
	<u> </u>		<u></u>			·						
COM	IMENTS: B	oring was a	advanced wi	th a Geopr	obe 540	0 Rig. ND≃Noi	n-detect.	NA=Not	applicable.			

Collected samples from (2-3') and (18-19') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.:

GB-15

Also collected sample from (3-4') for NOD and TOC analyses.

			TTD	~					TEST	BORIN	IG LO	G
			UR	O Cor	pora	tion			BORING NO.: GB-16			
PROJEC	CT/PROJEC	T LOCA	TION: Loc	kport Form	er MGP	Site			SHEET: 1 OF 1			
CLIENT	·		NYSEG						JOB NO.: 11173973.8	4300		
	G CONTRAC	CTOR:	Geologic N	Y, Inc					NORTHING: 1153899.34	EAS	TING: 111	8281.01
	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	606.9'		
DATE	TIME	LEVE	TYPE	TYPE	_	Macrocore			DATE STARTED:	5/23/05		
				DIA.		2"	•		DATE FINISHED:	5/23/05		
				WT.					DRILLER:	Judd Po	well	
				LENGTH	<u> </u>	4'			GEOLOGIST:	Rob Mu		
			<u> </u>	* P	OCKET F	PENETROMETE	R READI	NG	REVIEWED BY: /	din	100	~
		SA	MPLE	REC%		SOIL			MATERIAL	1	•	
DEPTH FEET	STRATA	NO.	BLOW COUNT		COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	uscs	PID	REMARKS
_												
0		S1	NA	80%	Dark Brown	Loose to Medium	Coars	e Gravel		FILL !	ND	Moist Wet
-	\otimes		}		3.000	Dense	Silty F	ine Sand	with MGP odor and	<u>'</u>		
	\bowtie				Red		sheen					
					Brown							
	\bowtie	00		4009/						SM	ND	
_		S2	NA	100%				ine Sand , Dilatent.	with MGP odor and	0		
-5							3110011	, Diatelli.				
7												
4		ĺ		•								
4		S3	NA .	100%							ND	1
_												
-10										1		
			ļ									
1			}	,								
4		S 4	NA	90%							ND	
4												
4						Dense to Very	 			-		
-15 —						Dense	Silty F	ine Sand ar gravel	and fine to coarse (TILL).			
								-	- ·		ND	Moist
,]		S5	NA	100%	İ						NU	MOISE
, 1	3. 1 (2. 1 (1. 1(1. 1 (1. 1)(1. 1(1. 1						End o	of Boring a	at 17.0'. Refusal on			
							proba	ble bould	er.			
-					İ		1		•			
-20 —	,											
1												
-												
-												
-25		<u> </u>	<u>_</u>	1		J					1	1
	<u></u>											·
COM	MENTS: E	Boring wa	s advanced v	with a Geop	robe 540	00 Rig. ND=No	n-detect	. NA=No	t applicable.			
									ls, Metals, and Total Cyan	de.		

		7		•		TEST	BORIN	IG LO	3			
		(UR!	Co	rpora	tion			BORING NO.: GB-17			
PROJE	CT/PROJEC	T LOCATI	ON: Lock	port Forn	ner MGP	Site			SHEET: 1 OF 1			
CLIENT	:	N	IYSEG				-		JOB NO.: 11173973.84	300		
BORING	G CONTRA	CTOR: C	Seologic NY	r, Inc					NORTHING: 1154173.44	EAS	TING: 111	8080.29
	IDWATER:		 		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	594.4'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
				DIA.		2"			DATE FINISHED:	6/1/05		
				WT.					DRILLER:	Judd Po		
·				LENGTH		4'			GEOLOGIST:	Rob Mu	rphy	
				* P	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY: W	well a	A STORY	
		SAME	LE	REC%		SOIL			MATERIAL		_	
DEPTH FEET	STRATA	NII I	BLOW	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	PID	REMARKS
				· · · · · · ·	<u>'</u>						<u></u>	·
0	XXX	S1	NA	50%	Gray	Medium Dense	Asphal	t over Silt	ly Fine Gravel sub base.	FILL	ND	Dry
1	KXXX			ļ	Red Brown	-	Silty Fi	ne Sand.	some fine rounded			Very Moist
-				1	Gray		gravel.		/			Dry
-							Silty Fi	ne to Coa	arse Gravel and Cobbles.			
4	$ \!\!\langle \rangle \rangle \rangle \rangle \rangle$	\$2	NA .	60%							ND	
-5-	$\mathbb{K}\!\!\times\!\!\!\times\!\!\!\!\!\times\!$											
					Brown	Madine Off		. .			45.0	Very Moist
						Medium Stiff	Clayey	Silt to Fired oravel.	ne Sandy Silt, some fine Gasoline odor.		ppm ppm	very worst
		- 66		4000/	Gray		[,	. 	and Fine to Coarse		25 60000	
		\$3	NA	100%	Gray		Angula	ir Gravel.	Gasoline odor.		35.6ppm	
-10							End of	Boring at	t 8.2'. Refusal on			
							Bedroo	ck.				
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1												
1							[<u> </u>		
<i>′</i> +										}		
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4											<u> </u>	
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4											•	
-25							<u> </u>			1	<u></u>	
	-											

Collected sample from (6.2-8.2') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (6.2-8.2') for analysis of Extended PAHs, NOD, and TOC.

BORING NO.: GB-17

				~				TEST	BORIN	IG LOC	3	
			UR	Col	rpora	tion			BORING NO.: GB-18			
PROJE	CT/PROJEC	T LOCA	TION: Loc	kport Forn	ner MGP	Site			SHEET: 1 OF 1			
CLIENT			NYSEG						JOB NO.: 11173973.843			
BORING	G CONTRAC	CTOR:	Geologic N	Y, Inc					NORTHING: 1154173.74		TING: 111	8124.63
	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	594.6'		
DATE	TIME	LEVEL	TYPE	TYPE	ļ	Macrocore			DATE STARTED:	6/1/05		
				DIA.		2"	· · · · · · · · · · · · · · · · · · ·		DATE FINISHED:	6/1/05	الميد	
				WT.			<u> </u>	-	DRILLER:	Judd Po		
				LENGTH		4'	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	GEOLOGIST:	Rob Mui	#PIIY	-
]				* F	OCKETI	PENETROMETER	R READIN	NG	REVIEWED BY:		7	<u> </u>
DEPTH	1	SAI	MPLE	REC%		SOIL CONSISTENCY		Ŗ.	MATERIAL		· _	DERIA SICO
FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	1		ESCRIPTION	USCS	PID	REMARKS
			<u></u>									
o —		S1	NA NA	60%	Gray	Medium	Asnhal	t and Gre	avel sub base.	FILL	ND	Dry
-				Ì	Brown Gray	-			1	1		
4 1				l	ne fine sand to coarse al and black staining. No	1	! }	!				
-				١	()				!]	ļ		
	$\bigvee\!$	80	MA.	40%			Cobble	es and Fin	ne to Coarse Gravel.		ND	l
-5	\bigotimes	\$2	NA	4U%	1	Į.			ı			
				ł						1	l	
7	X XX	_				Medium	Clayey	v Silt. Pet	troleum odor.	11	10.1ppm	Moist
7							End of	f Boring at	t 7.0'. Refusal on			
1	[probal	ble bedroo	or.		()	
1	1									1	(
-10			ļ							1	1	
+	[]			ı						}		
+				1	1					"		
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<u> </u>	1											

Collected sample from (0.5-1.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (6.5-7.0') for analysis of VOCs and Extended PAHs only (due to limited volume).

BORING NO.:

		1		•		TEST	BORIN	IG LO	3			
			URS	Col	rpora	tion			BORING NO.: GB-19			
PROJE	CT/PROJEC	CT LOCATIO						1	SHEET: 1 OF 1			
CLIENT	:	N	YSEG						JOB NO.: 11173973.84	300		
BORING	CONTRA	CTOR: G	eologic NY	', Inc					NORTHING: 1154149.47	EAS	TING: 111	8049.15
GROUN	IDWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	595.0'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/31/05		
				DIA.		2"			DATE FINISHED:	5/31/05		
				WT.					DRILLER:	Judd Po		
				LENGTH	<u> </u>	4'			GEOLOGIST:	Rob Mu	rphy	
				* P	OCKET F	PENETROMETER	READIN	IG	REVIEWED BY: 1/4	کن		>
DEDTIL		SAMP	LE	REC%		SOIL			MATERIAL .			
DEPTH FEET	STRATA	NII 3 I	BLOW OUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	PID	REMARKS
,												
0		S1	NA	65%	Gray	Medium Dense	Asphal	It and Gra	vel sub base.	FILL	ND	Dry
							Silt wit	h medium		;		
-				}			Coarse	Gravel a	ind Cobbles, with Brown Silty interlayers.		1	
-		\$2	NA	60%			Occasi	onai Neu	blown only interlayers.		ND	
-5-												
-							, Clayey	Silt and (Coarse Gravel, some			
-			·	-	Brown		peat. (Coal Tar t	olebs on gravel. MGP			Wet
4							End of	Boring at	8.0'. Refusal on			
							bedroo			ļ		
-10 —												
-												
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-				:								
-	j											
-15 —												
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4												
4												
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Collected sample from (7-8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (7-8') for analysis of Extended PAHs, NOD, and TOC.

BORING NO.: GB-19

				P					TEST E	BORIN	G LO	3
			UR	S Coi	pora	tion			BORING NO.: GB-20			
PROJEC	CT/PROJEC	TLOCA		kport Forn				-	SHEET: 1 OF 1			
CLIENT			NYSEG	<u>-i</u> -					JOB NO.: 11173973.843		·-	
	CONTRAC	TOP:	Geologic N	Y. Inc					NORTHING: 1154132.97	EAS	TING: 111	8178.21
	DWATER:	<u> </u>			CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	596.7'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
DATE	711412			DIA.	╁	2"			DATE FINISHED:	6/1/05	<u></u> ,	
	 -		-	WT.	<u> </u>				DRILLER:	Judd Po	well	
				LENGTH		4'			GEOLOGIST:	Rob Mu	Tohy —	
		<u></u>	-	* F	OCKET	PENETROMETE	R READII	NG	REVIEWED BY:	سليلا	XX	2
		SA	MPLE	REC%		SOIL					-	
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	<u> </u> 		MATERIAL ESCRIPTION	USCS	ÖIG	REMARKS
				·····		1711271200						
0-		\$1	NA NA	60%	Gray	Medium Dense	Aspha	alt and Fin	ne to Coarse Gravel sub	FILL	ND	Dry
4			Ì		Red	Medium	base.		j			Moist
-	\bowtie		Į.		Brown		Silty N	/ledium to se Gravel	Coarse Sand and Fine to			
4		1			Gray		L	 -				Ĺ
			NA NA	80%	Gray	_	Silt to	Clayey S ne wood :	ilt and Fine Gravel, trace and brick. No odor.		ND	-
-5	\times	S2	NA	80%	Brown		\ <u>`</u>		trace fine to coarse	Ì		
-3-							angul	ace clay, ar gravel,	trace wood. No odor.	ļ		
7				1						<u> </u>		
-	\times	Ì			Red	Dense		Fine Sand e sand.	I, trace to some fine to	SM		Very Moist
+				ļ	Brown		_			 	ļ · · -	
4				<u> </u>			End o	of Boring a able bedro	at 8.5'. Refusal on ock.			
-10 —												
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	1										}	
-15 —	}											
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-		}								ļ	1	
-25	<u> </u>									,		
<u></u>		, <u> </u>										
1 —						400 Rig. ND=1	Jon-dete	ct NA≃N	ot applicable.			

Collected sample from (4-6' + MS/MSD) and (7.5-8.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected samples from (4-6') for analysis of NOD and TOC.

BORING NO.:

		-		•				ļ	TEST E	BORING	3 LOG	i
		•	UR!	Cor	pora	tion		ļ	BORING NO.: GB-21			
DDC 150	TIDBO IEC		ION: Loc						SHEET: 1 OF 1			
			NYSEG						JOB NO.: 11173973.843			
CLIENT			Geologic N	V Inc		<u></u>			NORTHING: 1154119.23	EAST	ING: 1118	3045.43
	CONTRA	JIOR:	Geologic ii		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	595.0'		
	DWATER:	LEVEL	ТҮРЕ	TYPE		Macrocore			DATE STARTED:	5/31/05		
DATE	TIME	LEVEL		DIA.		2"			DATE FINISHED:	5/31/05		
				WT.	-				DRILLER:	Judd Pov		
		 		LENGTH		4'			GEOLOGIST:	Rob Mur	ohy Oh	
		 	- 		OCKET P	ENETROMETE	R READIN	NG	REVIEWED BY:	<u>X-Juni</u>	00	<u> </u>
				- 		SOIL					-	
DEPTH	STRATA	SAN	MPLE BLOW	REC%	COLOR	CONSISTENCY			MATERIAL ESCRIPTION	USCS	PID	REMARKS
FEET	SIRAIA	NO.	COUNT	RQD%	ļ	ROCK HARDNESS						
							<u> </u>					
0-	X X X 1	S1)	NA T	70	Gray	Medium	Annh-	lt over ar	avel sub base.	FILL	ND	
		31	147	, ,	,	Dense	1					D
]	LXXX		ļ		Brown		Silty N	Aedium to I. some o	Coarse Sand and Fine coarse gravel.]		Damp Dry
-			ļ		Gray		1		u = _ u = _ = /		ļ	
-	\bowtie						Silt, s	ome fine coarse s	to coarse gravel, trace to and, trace coal fragments.		ND	
-	\times	\$2 -	NA	40			L		Angular Gravel.		טא	
-5		1					Filler	O COAISC	7 angular Olaren]		
		1	•				/ Silt s	ome fine	to coarse angular gravel,			
					Death	Soft	– trace	clay. Co	al Tar blebs and MGP] [Wet
]		1		Ì	Brown		odor.			}		
]	r v - v - v						End of bedro	of boring	at 8.0'. Refusal on			ĺ
1 1	1	}				1	bear	JUK.				
-10 —	1	1		}								
1 4												
	1			1							}	
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-25 — ³					_							
		Darina	ne advancer	with a Ger	probe 5	100 Rig. ND=	Non-dete	ct. NA=1	Not applicable.			
	OMMENIS:	DUTING W	(7 91) for one	lyeis of VOC	S SVO	cs. PCBs. Phe	nols, Me	tals, and	Total Cyanide.			
III Co	ollected san	ipie irom	(1-0) IUI alla	iyala di v di	-5, 5,50							

GB-21

BORING NO.:

								"	TEST E	BORIN	<u>G LOG</u>	
		•	URS	💆 Cor	pora	tion		•	BORING NO.: GB-22			
PROJEC	T/PROJEC			kport Form					SHEET: 1 OF 1			
CLIENT			NYSEG	<u> </u>					JOB NO.: 11173973.843			
	CONTRAC		Geologic N	Y. Inc				 	NORTHING: 1154157.07	EAST	ING: 1118	3091.47
	DWATER:	-	-		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	594.9		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
DATE	111112			DIA.		2"	-		DATE FINISHED:	6/1/05		
				WT.					DRILLER:	Judd Po		
				LENGTH		4'		<u> </u>	GEOLOGIST:	Rob Mu	— Ω-1	
				* P	OCKET	PENETROMETE	R READIN	1G	REVIEWED BY:	بسع	B # 1	
		SAN	IPLE	REC%		SOIL			MATERIAL		ļ	
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ESCRIPTION	USCS	PID	REMARKS
0		S1	NA	60%	Gray	Medium	1	It amal Co	avol cub base	FILL	ND	Dry
		3,		00%	 ,	Dense	\\		avel sub base.	ì	Ì	
		ļ			Brown	Medium	Silty C	coarse Sa	and to Coarse Gravel.	; 	,	Moist
7	KXXX.		l		Gray	Medium	Silt, se	ome clay	, coarse sand, fine to gravel. No odor.		'	Dry
, 1						Dense	L			ļ	N/D	
-		S2	NA	25%	1		Cobbi	es and F	ine to Coarse Gravel.	1	ND	
-5—										Ì	ND	
	\boxtimes		l							}	ND	
-					Dark Gray	Medium	Claye	y Silt. P	etroleum odor.	·	102 ppm	Moist
-	XXX	S3	NA	100%	Glay		- Weat	hered Ga	sport Dolomite Bedrock.		ND	
-				}			\ <u> </u>		at 8.5'. Refusal on	ī		
-10)			bedro			ļ		
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Collected sample from (7-8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected sample from (7-8') for analysis of Extended PAHs.

BORING NO.:

				No.					TEST	30RIN	G LOG	;
			URS	S Coi	pora	tion		:	BORING NO.: GB-23			
PRO IFO	T/PROJEC			kport Forn				-	SHEET: 1 OF 1			
CLIENT			NYSEG	<u> </u>					JOB NO.: 11173973.843			
	CONTRAC		Geologic N	Y. inc					NORTHING: 1154061.86	EAST	ING: 111	8040.32
	DWATER:	<u> </u>			CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	595.5'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/31/05		
DAIL				DIA.		2"			DATE FINISHED:	5/31/05		
				WT.	1				DRILLER:	Judd Po		
				LENGTH		4'			GEOLOGIST:	Rob Mui	phy	
	<u></u>	 	-	* F	OCKET F	ENETROMETE	R READIN	IG	REVIEWED BY:	Jury	WD,	>
		SAN	MPLE	REC%		SOIL			MATERIAL			
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ESCRIPTION	USCS	PID	REMARKS
					1	1,511,011,00	L.—					
0-	XXX	S1	NA	60%	Gray	Medium Stiff	Aspha	It and Gr	avel sub base.	FILL.	ND [Dry
4						l	Silt. so	me medi	ium sand to coarse	ļ	ļ	
4	$\otimes \otimes \otimes$	}					angula fragm	ar gravel,	trace clay, trace coal			
4			Ì		Brown	Medium	 -	- - -				Moist
1			NA I	50%		Dense	round	ed gravel	edium Sand, some fine , trace coarse rounded	<u> </u>	ND	
-5		32	INC	3070		1	', grave	. No odo)r. 			
-		ł					Grave	lly Cobbl	e zone.	Ì		Wet 6.0-6.5'
٦			,		Gray/ Black	Medium	Silty	 Clay with	black mottles, trace fine			Moist
, -					(Stained) R. Brn		grave	l, trace w	ood (red). MGP odor.		NID	
-	\$ \	_\$3	NA	100%	at 8.2'	<u>-</u>	- ├			1	ND	-
-	ļ						\ Claye \ trace	y Silt, soi sand. Gi	me fine to coarse gravel, ravel has coal tar coating.			
-10 —			•				End	of Boring	at 8.4'. Refusal on			
1							bedro	ck.				
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<u> </u>			. <u> </u>		_:_				ot applicable			

Collected sample from (6.4-8.4') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Also collected samples from (6.4-8.4') for analysis of extended PAHs and TOC and (3-4') for analysis of NOD.

BORING NO.:

			TIM	<u> </u>				Į	TEST I	30RIN	NG LO	<u>}</u>
	•		UR S	Col	rpora	ition		İ	BORING NO.: GB-24			
PROJE	CT/PROJEC	T LOCAT	TION: Loci	kport Forn	ner MGP	Site			SHEET: 1 OF 1			
CLIENT	:		NYSEG	· ·					JOB NO.: 11173973.843	300		
	G CONTRAC		Geologic NY	Y, Inc					NORTHING: 1154068.20	EAS	TING: 111	8088.68
	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	596.1'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
			1	DIA.	I	2"			DATE FINISHED:	6/1/05		
				WT.					DRILLER:	Judd Po		
				LENGTH		4'			GEOLOGIST:	Rob Mu	irphy	
				* P	OCKET	PENETROMETER	READIN	IG	REVIEWED BY:	<u> </u>	##	\geq
		SAN	/PLE	REC%		SOIL			WATERIAL.			
DEPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	PID	REMARKS
	 				1							
0-		S1	NA	50%	Gray Brn/Gry Brown	Medium	🗠		avel sub base.	FILL	ND	Moist
					Gray	Medium Dense	<i>'</i>		o coarse sand, trace clay.			
-5-		S2	NA	50%							ND	
					Gray Brown		gravel,	, trace brid	some fine to coarse ck and concrete. eum odor.		43 ppm	
-		S3	NA	100%	Red Brown	Very Stiff	sand,	some fine	It trace to some fine gravel, trace coarse Petroleum odor.	1	44 ppm	Wet at 9' Moist
-10 —							End of probat	f Boring at ole bedroc	t 9.8'. Refusal on			
-15												
_				;								
_												
-20												
-												
-25					<u> </u>		<u> </u>					
	MENTO	oring was	advanced	ith a Carr	obe 540	O Ria ND=No	2_detect	NA=NA+	applicable			

Collected samples from (6-8') and (9-9.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected sample from (9-9.8') for analysis of Extended PAHs.

BORING NO.:

				~					TEST	BORIN	G LOC	
			UR	O Cor	pora	tion			BORING NO.: GB-25			<u>-</u> .
ROJE	T/PROJEC	T LOCA	TION: Loc	kport Form	er MGP	Site			SHEET: 1 OF 1			
LIENT			NYSEG	<u> </u>					JOB NO.: 11173973.843			
	CONTRAC	CTOR:	Geologic N	Y, inc					NORTHING: 1154041.48		ring: 111	8034.37
	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	595.7'		
DATE	TIME	LEVE	TYPE	TYPE		Macrocore			DATE STARTED:	5/31/05	 -	
-				DIA.	***	2"			DATE FINISHED:	5/31/05		
				WT.					DRILLER:	Judd Po		
				LENGTH		4'		<u> </u>	GEOLOGIST:	Rob Mui	rphy	
				* P	OCKET P	ENETROMETE	R READI	1G	REVIEWED BY:	ully the		<u> </u>
		SA	MPLE	REC%		SOIL			MATERIAL			1
EPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK HARDNESS			ESCRIPTION	USCS	PID	REMARKS
	<u>_</u>				<u>L</u>				· · · · · · · · · · · · · · · · · · ·		-	
0	XXXI	S1	NA I	65%	Gray	Medium	N = 1= -	16 00d O-	aval sub base	FILL	ND	Dry
	KXXX	31	IAU.	3070	,	Dense	\	- -	avel sub base.			
			:			ı	l to coa	rse angu	o Coarse Sand, some fine lar gravel. Occassional ey silt seams.			
1		ļ		,			Coars	e Gravel.			ND] Moist
1		S2	NA	40%	Red					-	ND	Midiat
-5-				ł I	Brown			ine Sano arse grave	I to Clayey Silt, some fine el.		i	Wet at 6.0'.
	\bowtie						\					
1	KXX.				Lt. Brn	<u> </u>	Very	Silty Clay		-]	ND.	Very Moist to Wet
1		S3	NA	100%	M. Gray	Medium	Claye	y Silt, so	me fine sand and fine to r gravel, trace medium to			
-							- N coars	e sand, t	race concrete. Stained	A	1	
10	1						Dark	Gray. M	oderate MGP odor.	/	ļ	
4							End	of Boring	at 9.0'. Refusal on		ļ	
							prob	able bedr	OCK.	-		
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00	MMENTS:	Boring v	vas advanced	with a Geo	probe 54	100 Rig. ND=N	lon-dete	ct. NA=N	lot applicable.			
00	llected sam	ple from	(8-9') for ana	lysis of VOC	s, SVOC	s, PCBs, Phe	nols, Me	tals, and	Total Cyanide.			
, 00			· · · · · · · · · · · · · · · · · · ·									

GB-25

BORING NO.:

									TEST E	BORIN	G LOG	
			UR	5 Cor	pora	tion		İ	BORING NO.: GB-26			
DDO IE	T/PROJEC			kport Form					SHEET: 1 OF 1			
CLIENT			NYSEG			-			JOB NO.: 11173973.843	00		
	CONTRAC		Geologic N	Y. Inc					NORTHING: 1154031.33		ΓING: 1118	091.58
	DWATER:	, IOK.	000.09.0		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	597.4'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	5/25/05		
DATE	Linic	LLVLL	- ' ' ' '	DIA.		2"	_		DATE FINISHED:	5/25/05		
				WT.					DRILLER:	Judd Po		 _
				LENGTH		4'			GEOLOGIST:	Rob Mu		
		 		* F	OCKET	PENETROMETE	R READII	NG	REVIEWED BY: 1/W	rec		
			APLE	REC%		SOIL	ļ		ALA TERIAL	Ì	j	
DEPTH	STRATA	$ \tau$	BLOW		COLOR	CONSISTENCY ROCK			MATERIAL ESCRIPTION	USCS	PID	REMARKS
FEET		NO.	COUNT	RQD%		HARDNESS						
				<u></u>			-					
0		\$1	NA -	50%	Gray	Medium	Aspha	alt Road S	Gurface	FILL	ND	
	XXX	•			Red Gray	Dense	\\					Very Moist
	\times	ļ		<u> </u>	Brown		1		oad Surface.	İ		
7		ļ				 	Claye	y Silt with	gravel and brick.			
-		l		}	Į		<u></u>				ND	Very Moist to
, †		S2	NA	60%			Claye	y Silt, sor	ne fine to coarse gravel,	ļ	,,,	Slightly Wet.
-5	\times	1					black	mottles.	No odor.		<u> </u>	İ
4	XXX	1			Red	-	Silty	Fine Sand	i, some coarse sand to	SM		
					Brown		coars	e angula	r to rounded gravel. No			ļ.
				000/	1		L	. 		1	ND	
		S3	NA	90%			Logar	se angula	d, some coarse sand, trace ar to rounded gravel. Black	•		
					Black Gray	-	etair	sing and s	light MGP odor at 9-9.5'. g on gravel seam 10.75-	1	102 ppm	}
-10					Brown		11.0°	causes a	sphaltic appearance.		102 pp	
-		1		 	 		End	of Boring	at 11.0'. Refusal on	1		
		}					prob	able bedr	ock.		Ì	
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				al caldle a Co		400 Pig. ND=	Non-dete	ect. NA=N	lot applicable.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=

Collected sample from (9.5-10.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

Collected (8.5-9.5') for TOC & NOD analysis and (10.75-11.0') for Extended PAHs. Boring moved due to water supply line.

BORING NO.:

			TID					ļ	TEST E	30RIN	G LOG	j
			UK	S cor	pora	tion			BORING NO.: GB-27		 -	
ROJE	CT/PROJEC	T LOC	ATION: Los	ckport Form	er MGP	Site			SHEET: 1 OF 1			
LIENT			NYSEG						JOB NO.: 11173973.843			 -
	CONTRAC	CTOR.	Geologic N	lY, Inc					NORTHING: 1154032.12		ING: 111	3124.89
	DWATER:	01011			CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	598.5'		
ATE	TIME	LEVE	TYPE	TYPE		Macrocore			DATE STARTED:	5/25/05		
AIE	11341			DIA.		2"			DATE FINISHED:	5/25/05		
			- 	WT.		-		_	DRILLER:	Judd Po		
		 		LENGTH	 	4'			GEOLOGIST:	Rob Mui	phy	
		 - -	_		OCKET P	ENETROMETE	R READIN	iG	REVIEWED BY: VV	ul-	KX2	
	<u> </u>		4 4 8 7 1 5	 	<u> </u>	SOIL						
EPTH	STRATA		BLOW	REC%	COLOR	CONSISTENCY			MATERIAL ESCRIPTION	uscs	PID	REMARK
EET	SIRAIA	NO.	COUNT	RQD%		ROCK HARDNESS		D				
				<u> </u>			<u> </u>					
) —,	~ ~ ~ ~ ~	<u>\$1</u>	NA NA	75%	Lt.	Medium	T			FILL	ND	Moist
`) 	INA.	'"	Brown	Dense	~ - -	Clayey S - -				
7					Brown Gray		Silt, s	ome sand	and gravel			
7			<u> </u>									
4			ļ				Fine t	o Medium	Sand, trace coarse sand.	ļ ;		
4	XXX	\$2	NA NA	75%	Red/		Red V	_ Vood Chi	ps, Brown Silt.		ND	
5	\times				Brown					.]		i
	$\times \times \times$	1			Gray Brown		Silty	Clay, som	e fine to coarse gravel,			
	\times	1					trace	MGP odd	or.	SM		Wet
7					Red Brown		Silty I	ine Sand	i, trace coarse sand,]	ND	}
-		<u>\$3</u>	NA	75%	Brown	Dense	\ <u></u> -	rate MGF		1	l ND	
-		•					Silty	Fine Sand ar gravel	, some fine to coarse . Cobble sized weathered		l	
10 —			ļ				rock	from 8.5-9	9.5'. Disseminated MGP			
4		1		ļ	ļ		odor	through c	out.			
			<u> </u>	_	ļ	<u> </u>	 			 	 	
	1			1		ļ	End o	of Boring able bedr	at 12'. Refusal on ock.			
j							p.oz.				ļ	
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									let annie abie			
CC	MMENTS:	Boring	was advance	d with a Geo	probe 54	100 Rig. ND=1	von-dete	ct. NA=N	lot applicable.		· · · · · · · · · · · · · · · · · · ·	
Co	liected sam	ples fro	m (7-8') and (11-12') for ar	alysis of	VOCs, SVOC	s, PCBs	Phenois	, Metals, and Total Cyanide.			

BORING NO.:

									TEST I	<u>30RIN</u>	IG LO	3
		_		S cor					BORING NO.: GB-40			
PROJE	CT/PROJEC	T LOC		ockport Form					SHEET: 1 OF 1			
CLIENT			NYSEG						JOB NO.: 11173973.843			
	G CONTRAC	CTOR:	Geologic	NY, Inc					NORTHING: 1154040.61	EAS	TING: 111	17979.83
	DWATER:	_ · · · ·		·· 	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	596.0'		
DATE	TIME	LEVE	EL TYPE	E TYPE	†	Macrocore			DATE STARTED:	5/25/05		
		 	<u> </u>	ĐIA.		2"			DATE FINISHED:	5/25/05		
				WT.					DRILLER:	Judd Po		
				LENGTH		4'			GEOLOGIST:	Rob Mu	irphy	
ļ					1	PENETROMETE	READIN	IG	REVIEWED BY:	بمعنز	1/0	3
		s	AMPLE	REC%		SOIL			WATERIAL			
DEPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	USCS	PID	REMARKS
												
o	XXX	S1	NA NA	50%	Brown	Medium	Concre	ete Sidew	alk	FILL	ND	Moist
-						Dense	`-			Ì		
4 1	 						sand a	and gravel	some medium to coarse Cinders and coal at			
	\mathbb{K}	1					1.8' bg	s. Drove	Coarse gravel 2-4'.			1
_				<u> </u>			<u> </u>				ND	1
Ţ,	KXXXX	S2	NA	0%	1		Drove	coarse gr	ravel to 8'.		מאו	1
-5	\bowtie	Ì										
4	$\times\!\!\times\!\!\times\!$											
4				1								
4	KXXX	S3	NA NA	50%	Brown				fine pand 4	[ND	Very Moist to
	\bowtie			/0	Gray		gravel	, trace ce	fine sand, trace to some ramic. No odor, no		-	Wet
-10	\times						stainin	ig.	, 		1	
–							ļ				<u> </u>	1
7]		,		End of	f Boring a	it 10.8'. Refusal.			
4												
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	*****					0 Rig. ND=No						
Colle	ected sample	e from ((9.8-10.8') for	r analysis of V	OCs, SV	OCs, PCBs, P	henols, l	Metals, ar	nd Total Cyanide.			

BORING NO.:

				<u> </u>					TEST	BORIN	IG LOG	}
			URS	S Cor	pora	tion		l	BORING NO.: GB-41			
DD0 IE	T/PROJEC			kport Form					SHEET: 1 OF 1			
		, LOUA	NYSEG						JOB NO.: 11173973.84			
CLIENT			Geologic N	V Inc			-		NORTHING: 1154084.53	EAS	TING: 111	7977.67
	CONTRAC	CTOR:	Geologic N	1,1110	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	595.2'		
	IDWATER:	1.57.55	TYPE	TYPE	07101	Macrocore	<u> </u>		DATE STARTED:	5/25/05		
DATE	TIME	LEVE	LITTE	DIA.		2"			DATE FINISHED:	5/25/05	<u> </u>	
		 		WT.	<u> </u>				DRILLER:	Judd P	owell	
		 	-	LENGTH		4'			GEOLOGIST:	Rob Mi		
	<u> </u>			·	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	ئس		
	<u>-</u>		<u> </u>		— Т	SOIL						
DEPTH	STRATA	SA	MPLE BLOW	REC%	COLOR	CONSISTENCY	-		MATERIAL ESCRIPTION	uscs	PID	REMARKS
FEET	SIRMIA	NO.	COUNT	RQD%		ROCK HARDNESS	ļ				<u></u>	
	 											
0-		S1 [ND	60%	Gray	Medium	Sidew	alk Conc	rete	FILL	ND	Very Moist
			,,,,	i	Brown to Red	Dense	L =					
<u> </u>	\bowtie	İ		. '	Brown	ı	cand	and arave	edium Sand, some coarse el, trace glass and			
							coal/c 5-6'.	inder. G	ravelly cobble zone from	ļ		
1				ļ			3-0.				ND	1
	\bowtie	\$2	ND	50%		ļ					"-	
-5—		1		Į	ļ		1					125-4
	* ***	1			Brown	<u>.</u>	Silt, s	ome clay	, some medium to coarse			Wet
	$\bigvee\!$	1					sand	 .		_[
		53	ND	50%	Black Brown]	Medi	um to Co	arse Sand sized Cinder.	1	ND	- [
	$ \rangle\rangle\rangle\rangle$	\$ 30	ND		-		1'	dor, no si		f		
	\bowtie		<u>.</u>	1			Silt, s	ome fine	to medium sand, trace o coarse gravel. No odor,			
-10	$\times\!\!\times\!\!\times$	} _	<u> </u>	<u> </u>	 	 	no si	neen.		<i></i>		
1			ļ				End	of Boring	at 10.6'. Refusal. Rock in			ļ
-	ļ						shoe			1		
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				1. 10 - 5	- daya	400 Big ND-	Non-dete	ct NA=I	Not applicable.			
c	STNAMMC	Boring	was advance	d with a Geo	oprobe 5	400 Kig. NU=	Dhand	e Matale	Not applicable.			-
C	ollected san	nple from	(9.5-10.5') fo	or analysis o	t VOCs,	SVOUS, PUBS	, Phenoi	o, wictais	and Total Cyanide.	 		

BORING NO. :

GB-41

Took three attempts, shallow refusal encountered at two other locations.

			TITLE	*				ļ	TEST	BORIN	NG LOC	3
			URS	Col	rpora	tion			BORING NO.: GB-42			
PROJE	CT/PROJEC		TION: Loc						SHEET: 1 OF 1			
CLIENT			NYSEG						JOB NO.: 11173973.84			
	G CONTRAC	CTOR:	Geologic N	Y, Inc					NORTHING: 1154085.38	EAS	TING: 111	8178.41
	DWATER:				CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	597.6'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED:	6/1/05		
				DIA.		2"			DATE FINISHED:	6/1/05		
				WT.					DRILLER:	Judd Po		
				LENGTH	<u> </u>	4'	 		GEOLOGIST:	Rob Mu	irphy Do	
_				• F	OCKET F	PENETROMETER	R READIN	IG	REVIEWED BY:	we	1	
		SAN	MPLE	REC%		SOIL			MATERIAL.		'-	
DEPTH FEET	STRATA	NO.	BLOW COUNT	1	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	USCS	PID	REMARKS
	1		L			.						
0-		\$1	NA .	60%	Red Brown	Medium Dense	Asphai	lt over Fin	ne to Coarse Gravel sub	FILL	ND	Dry
					Gray Red Brown	Medium	k'		Sand and Silt.	1		Moist
1	\bowtie				'_	1	Mediu	m to Coar coase gra	rse Sand to Clayey Silt, avel.	1		
7	XXXX	S2	NA	75%	Brown to	1	15	 -	coarse gravel.	1	ND- 3.2 ppm	
-5-					Gray Brown	1	1		/;	1		
' 	\bowtie								nottles, trace fine sand fine gravel slag.	1		Į
' -					!	ļ	Clayey	Silt, som	ne coarse sand to coarse			
		S3	NA	100%	Red	Medium	angula	ar to subar	ngular gravel. oal tar blebs beginning at	SM	2.0 ppm	1
1			ļ		Brown	Dense	6.0'.	a.eu C	a. brows beginning at	4		2.5
-10 —									, some fine to coarse		<u> </u>	Wet
_	200 1 (200 1 (20 5 E) 20 5 E						rounde Coal te	ed to angu ar blebs d	ular gravel, trace clay. disseminated throughout.	1		
1 1		!						f Boring at ble bedroo	it 10.5'. Refusal on ck.			
				I	<u> </u>		1					
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			a al. 1 =	#b = 0===		O Ria ND-No	n datast	NIA-Nic4	i annlicable			

Collected sample from (6-8' + DUP-06) and (8.5-10.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide

Also collected samples from (8.5-10.5') for analysis of NOD and TOC.

BORING NO.:

				C 1		·			TEST E	30RIN	IG LOC	•
			UK	S cor	pora	tion			BORING NO.: GB-43		<u></u>	
PROJE	CT/PROJEC	T LOCA	ATION: Lo				-		SHEET: 1 OF 1			
CLIENT			NYSEG		·				JOB NO.: 11173973.843			
	CONTRAC	CTOR:	Geologic N	NY. Inc		· · · · · · · · · · · · · · · · · · ·	<u></u>		NORTHING: 1154034.67	EAS	TING: 111	8171.28
	IDWATER:		000.00		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	599.8'		
DATE	TIME	LEVE	L TYPE	TYPE	<u> </u>	Macrocore			DATE STARTED:	6/1/05		
				DIA.	 	2"			DATE FINISHED:	6/1/05		_
	 			WT.	 				DRILLER:	Judd Po	owell	
			-	LENGTH	 "	4'			GEOLOGIST:	Rob Mu	irphy A	
	<u>-</u>		7	*P	OCKET	PENETROMETE	READI	NG	REVIEWED BY:	wi		
		SA	AMPLE	REC%		SOIL			aa TENIAL			
DEPTH FEET	STRATA	NO.	BLOW	1	COLOR	CONSISTENCY ROCK HARDNESS			MATERIAL ESCRIPTION	USCS	PID	REMARKS
				<u> </u>							·	
0-7	XXX	S1	NA NA	60%	Brown	Soft	Grace	Surface	Organic Silt, some fine	FILL	ND	Dry
-					Red	Medium	, grave		/		\ 	
		1		1	Brown	Dense	Silty F	ine Sand	, trace coarse sand.			
		ļ										
1	XXX				Gray	Medium	Clava		ne fine to coarse gravel.		- 110	Moist
	$ \rangle\rangle\rangle$	\$2	NA	65%	Brown				/		ND	
-5		·			Gray	Medium Dense	Fine S	Sandy Silt Ichips. M	, some Red Mulch/ GP Odor and Sheen.		2.4 ppm	
4					Red Brown	Delize	'		, some coarse sand, trace			
-								-ine Sand se gravel.		ļ	ND	
1	$\times\!\!\times\!\!\times$		NA -	75%						SM	ND- 4.5	Wet
		33	100	1070	ļ	İ	Silty	-ıne Sano ravel. M≎	l, some coarse sand to 3P odor and Sheen. Gray	}	ppm	
40							stain	ing 11-12	'.			
-10 —			 									
1	-						/	art Dalam	nite Bedrock Chips.	Į .		
-		S4	NA	100%	Gray					<u> </u>	ND	
_]	ļ		ļ		End of Bedre	of Boring : ock.	at 12.5'. Refusal on			
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-15 —	 											
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-25 —					-							
		D = efer ::		Ludth a Coa	arobe 5	100 Rig. ND=N	on-deter	t. NA=N	ot applicable.			
Co	MMENTS:_	Round A	vas advanced	with a Geo	onobio:	ATVOCA SVC	Ce DCE	Re Pheno	Is Metals, and T Cvanide.			··
Col	lected samp	ole from	(5.0-5.5') and	1 (10-12') for	anaiysis	, or vocs, avc			ls, Metals, and T. Cyanide.			

GB-43

BORING NO.:

ATLANTIC SHALLOW BORING FIELD NOTES

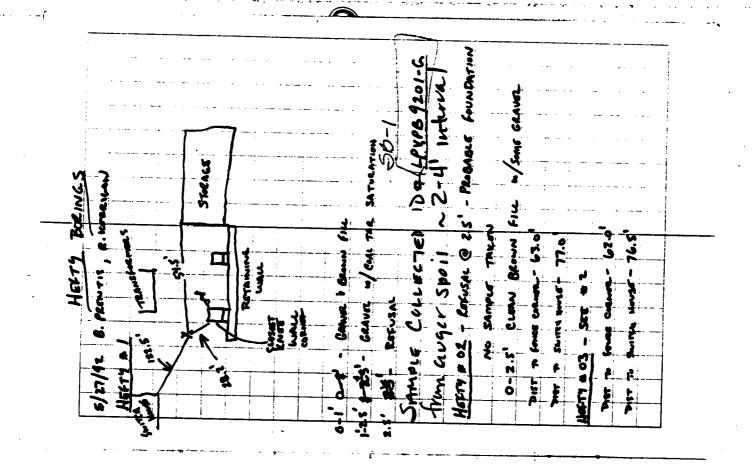
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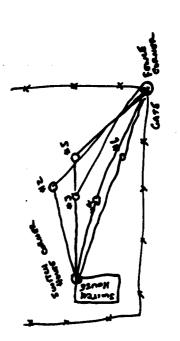
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L-WEATHER

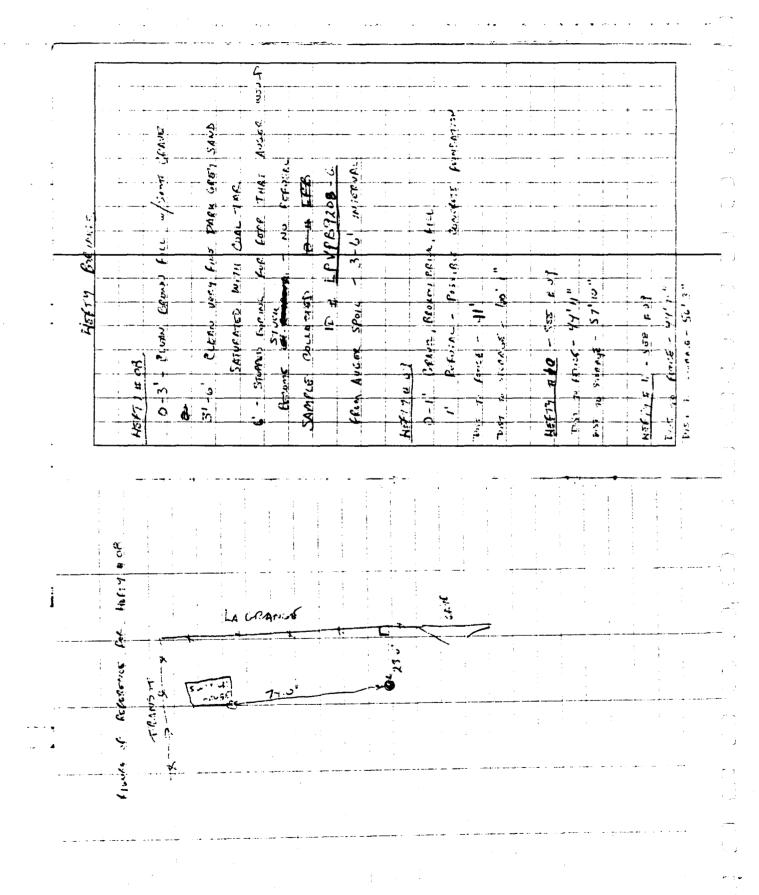
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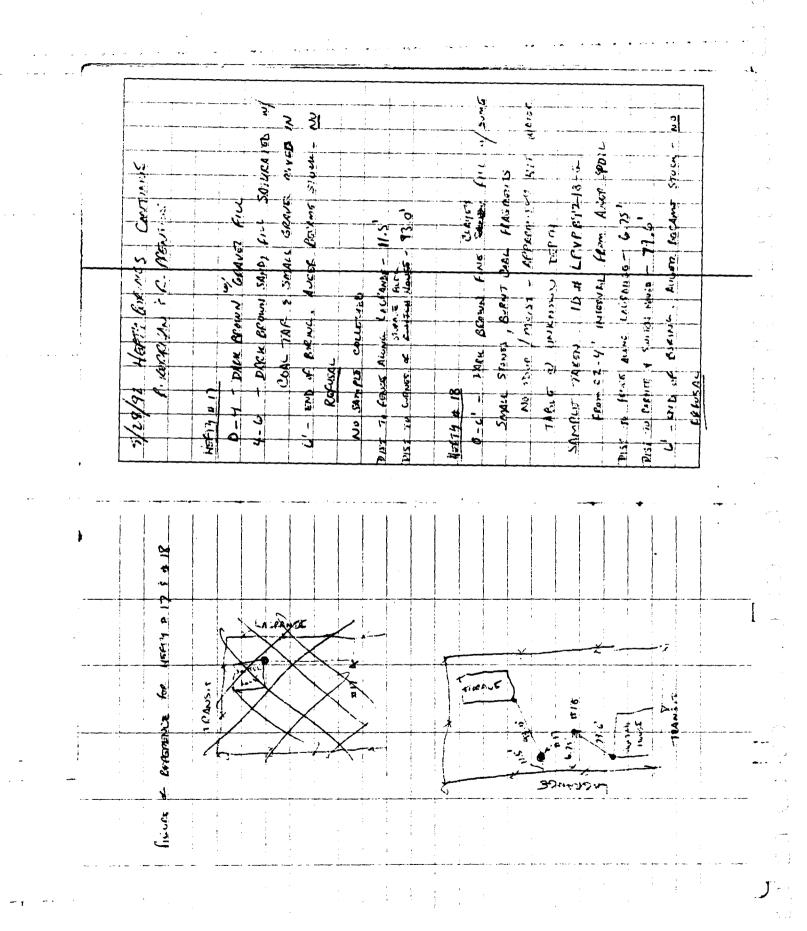


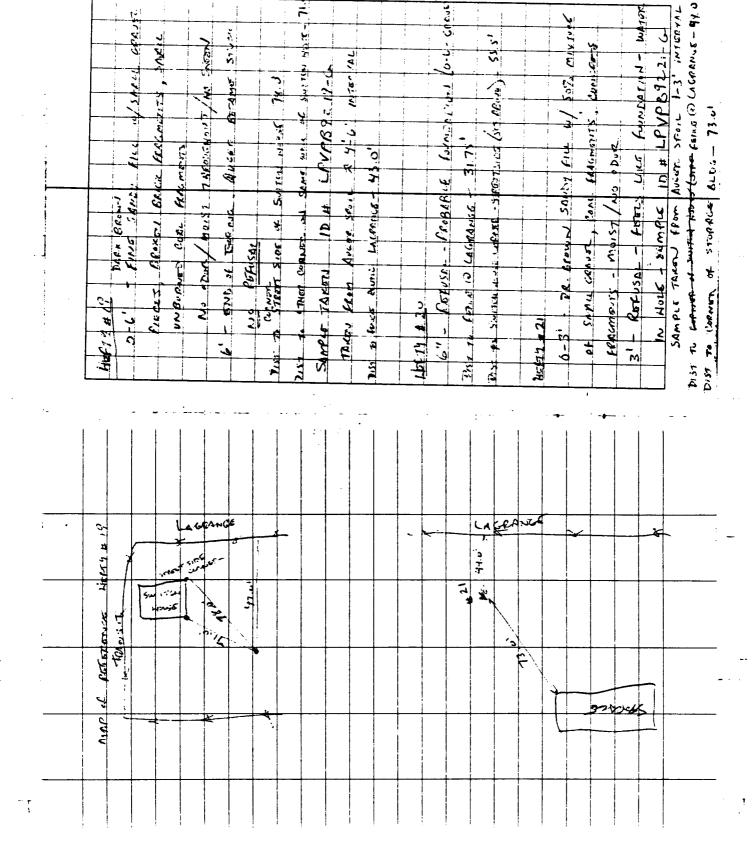
, GROKEN PRITM, STUNES 5757 3-902684747 # Q1 " 30.40 May 05.46 0- 2.5' - CLURN BRANK FIRE of Some CRAVEL 7, 15 NoT SAMPLED DUE TO LACK OF SOLL FUINDATION 7127777 200 CACINES 7 . 2 - 0) 35/5 Merry TAFE BROWN BILLE NOTE: FINNS PROBABIE 4547405 - See HATA LerT4 Switter Bouse. DIST TO PETER NOW See 3 The Switch Hou PERMED WATER REFUSAL @ 2.5 455 ty # 07 - MIXIORS Vist to fore co HEPTY & 04-407 125 FT # 06 DIRL 2 600 11:61 1 5 18.75 Reforence 5 - 7 CL Å RAMS11-161.00



ALL WIRES & COND CO COL 1 - PVPC 12 12- 12 G1.769 1.23 2100 CE - 30, 1, 11 £03# . 7 11.33 23 60106 69 5 " FENCE - B.Z S " ST. CAGE = 413'S 12 3 range 25 - 49.75 רלי זו זידי STUTALE - 52 SAMPLE COLIGINAL 7 Ferner 501 1.07 -205-HEPTY = 13 - 56 שף צורטיוני -Crown Serve WIRTOR COUNT . 10 10.12 NeF79 4 12 45ATY 10 15 Dist 70 7 10 NOF 19 7/5 12. 1514

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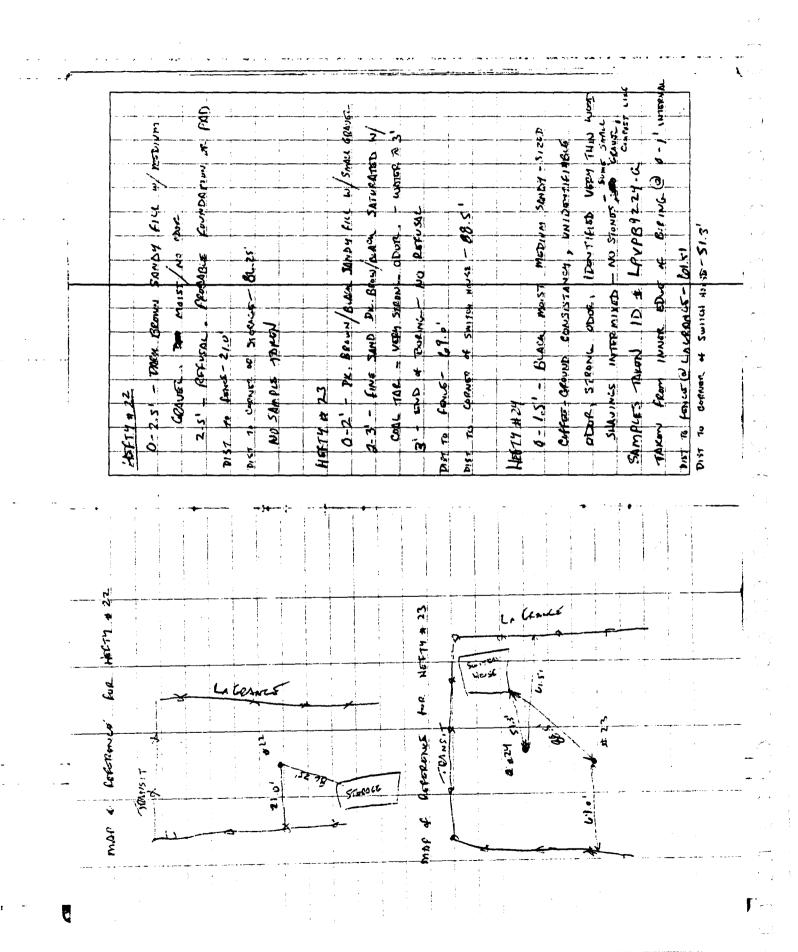
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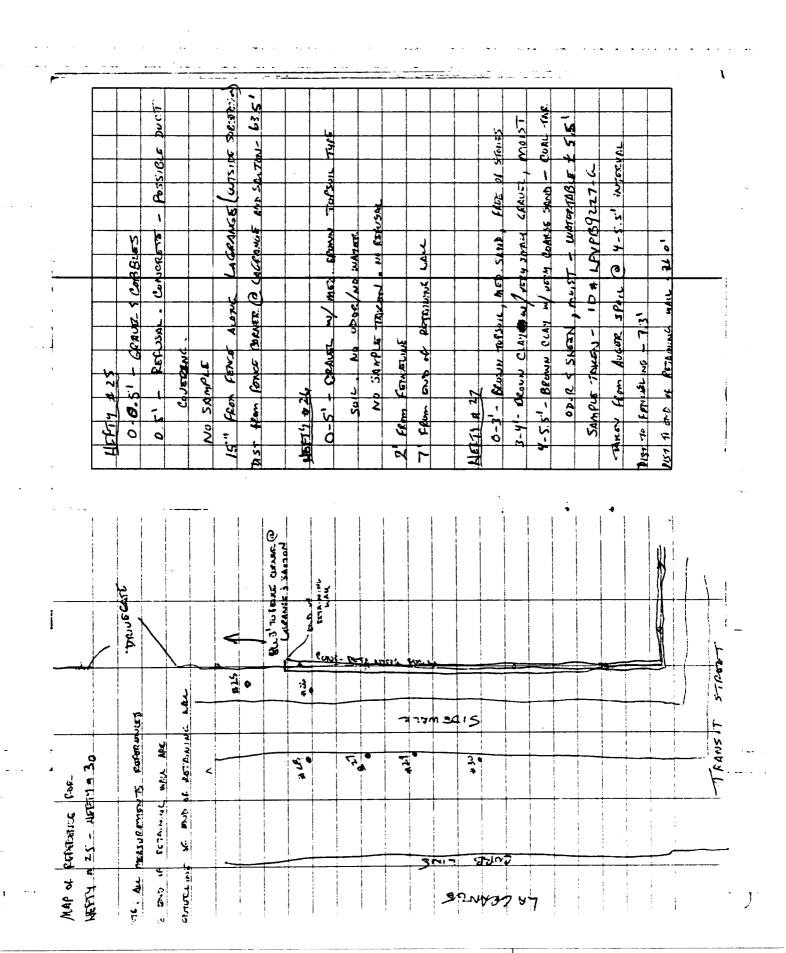
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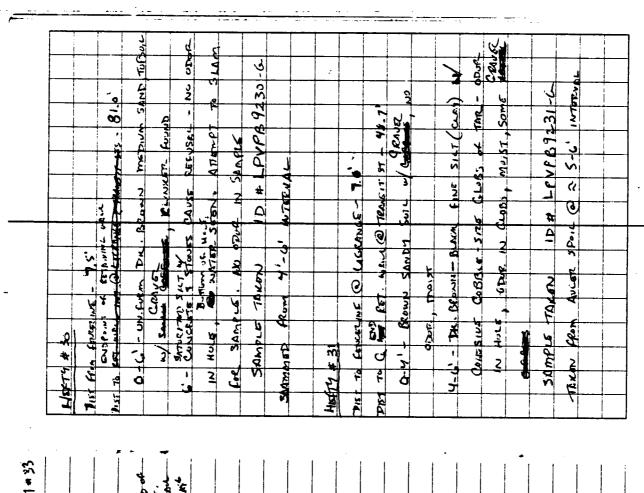
WATOR

50% MIXING





STONES, CL6-15-1 - SILTY SOUP, SLIGHTLY PROSPIT IN DARKER LINK 200 10 # LAVPB9228-G SAMPLE TAKEN. DALPURB9229-C. INJORNA - UNITED COLUMN OF CLAYET - 5177 3 Sol -> BOD HE PETA 10 126 WOM - 433 AJGGT Spoir - 7-4" ه ن ۲ S. 102.7 Carona 16 CD WERE BEEN WILL Taken from AVGGE SPOIL MUST DARK BROWN W/ SUMF PossiBu - WATER-TOBLE (D) Pusi m 40 120 16- 7.81 אפוריפריות ב - 1 ٥ SAMPLE TOLEN AND 51.12 W HAVE OTHER HP11 # 29 B=41 Pir -18 ٦ 4-9 4

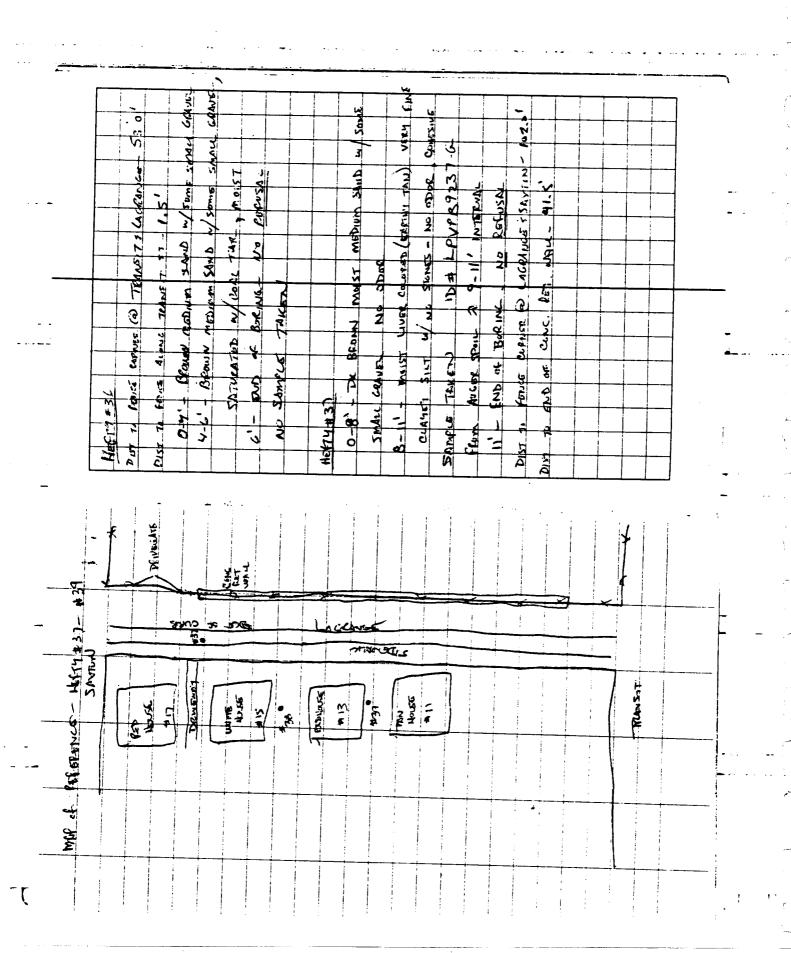


- MEFTY # 33	and the second			Eat	B. Kit	1	a G	RAL	<u>E</u>	رود.	1115				•		•				
6 he 462M #31	- 24°			\$635		-			2	ibe	* O		N.C.			N K	-	2	- 12		— ! — :
	-481N314	SALL STAR	SIDEUALK			3.73					Grow end of		Š				18 C 85 - 16	12 12 12 12 12 12 12 12 12 12 12 12 12 1			
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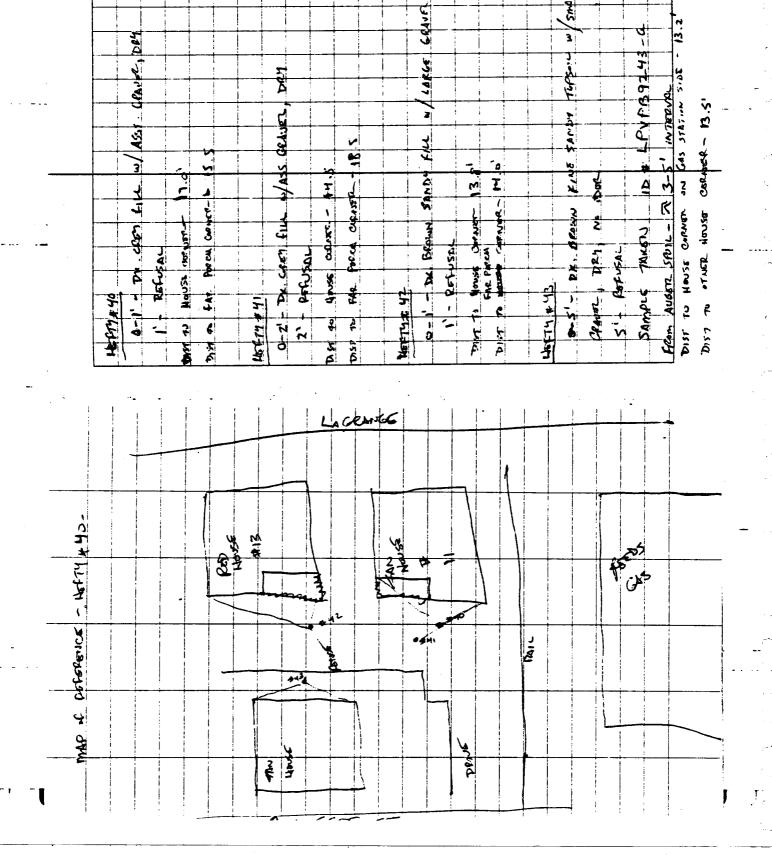
PASS BOTO OF RET WALL TRUDGE - TRANST ST - 16.3 P. Brown Methon Sind Spriette W/ Con Botton of SAND W JOHNSAL - CONCRETE ALTOSS WO PETSBALL ~ TR. BENN SHODY VIN TO KONCELINE (3) LABERING -E DO PT. Mad OTPONSOT 57. The , mist chiston BRITHS F RUBBLE TE FERVET INE (D LA CPONCE -- Jacob - BROWN SANDI ADKEN. No obok. , Der O CDUX HATTH #33 ALHINE 45ET7 432 900 2

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Squared (11876 Seneraine) - Cust Tile Technice (1) medium same "/ som SAM GENER द्र こうとうびん - Same 35.3 General Control of Transit's La Control Ę N/ COAL TOR MOD SALE " FEX LOCALIST (2) TEANS IT I GOOD WILL Semi Serusa Chr. Luus FENCE ALORGE TRANSIT - 15 30 - 76 BROWN HEFTY BACINGS MOST m4.57 W/COLG. 178 NO Starple Topen 10ker BEUNN MADINA BID K. BIS.IN - PR 8.1 CRAIRE e-3' - Reinn CBGG SATURATION SAMPLE M4:57 158-0 35-4.0 SATURATES Small 46579 # 31 SMC I 1455-7-40-35 EAYEL 2 5 151 715 .



	,	0-3'-84 Graun Bibon metrum Sauls File "	3-7 - DK BEGIN FLA SICT W/ SOME STAIL CRUE.	WATERTARLE MODELLED CO S. S. " I WHULL	Thri This is dies The Point	PRONOUNCED CON. TAR OUGH, ISTORINGS PRINCE	SAMPLE 1'RKEN 10 # LPUPB9238-G	RECUSAL - Sould OBJET ACED	DIN TO PERC POINT @ GANGE ALONE LACKANISE (12.3)	The E This of Conc. Bet. When 13.0	DIST TO CLAINET OF PECH AL GOLTE HILLSE PH.T.	Herry 3.1	S'- DK. BEW	Dist TO PERC PT. OF FENCE DING LACEANICE - SB.0'	The Francis Corrusor of House - 4.	
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Smart.

Bonn - black Cours Cours 106 SAMPLE TOLEN (LOM ANGE SPUL 7 7-9 INTERPLE Cocnon @ 184457 : 66120166 - 111.9" 17/8 43.3 CLAYET LOWER REPUT LOURANCE (PORP) 10 4 LPVPB9244-G Possiau LT RY Small 0-7' - Mo:57. De Farde #55.77 # 44 CANA SLT 410 DIST