EARTH TECH NORTHEAST, INC. 40 British American Boulevard Latham, New York 12110 (518) 951- 2200

LETTER OF TRANSMITTAL

To:	Martin Bran	ıd			Project No.:	830	060
	625 Broadw	ay			Project Name:	34	Freeman's Bridge Site
	Albany, Nev	w York 122	33		Re:	Tes	st Pit, MW, and Soil Boring
<u> </u>						Lo	gs -Pre-Design Investigation
ARE SE	NDING YO	U:					
	Attached o	T Unde	separate cover	via the	following items:		
☐ Shop	Drawings	Prints		☐ PI	ans		Change Order
☐ Specif	ications	☐ Letter	S	☐ Sa	mples		Other Draft field logs
Repor	ts	☐ Appli	cations	☐ Pe	rmits		
MS ATTA	ACHED:						
COPIES		ATE	NO.		DES	CRIP	TION
1	5-26-05			Test Pit, So	il Boring and Mo	nitori	ing Well Logs
_	TRANSMIT our approva	_	Approved as		□ Peculon	nit	copies for approval
	our use	· _	Approved as Approved as		☐ Submit	_	
	quested		Returned for		Return		corrected prints
E down		omment [For your sign	ature	Other		
☐ FOR I	BIDS DUE	_			PRINTS	RETU	IRNED AFTER LOAN TO US
MARKS: Martin,	we will be o	completing th	ese logs electr	onically for th	e inclusion in the	PDI	report.
py to:				_ 3	Signed:		
					Lisa	A S	wan



				JUIL	BORING LO	3	Boring No.:	SB-1		
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geo	logic Inc.	PAGE	1 of 1		
ROJECT		83060		DRILLER:		II, Josh Sandberg	DATE:	4/14/2005		
2 00 000 00	ELEVATION: 1	The same		SITE LOCATION	Control of the Contro	NA	ET GEOLOGIST:	L. Benedict		
The service of	TER LEVELS			BORING LOCAT		N/A		T		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE		
			-111	TYPE						
				I.D.				-		
	2 .			WT./Fall		1				
Depth (ft)	Sample Temperature (°F)	Blows per/6*	Recovery (feet)	PID/FID Readings (ppm)	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES		
	103			4.8	0.0-0.7' Loose, o	fry, light gray/tan,	possible crushed of	concrete, silt		
-	92			8.9		lry, gray, coarse to				
1	65			0.2		e to fine sand, trac	ce (-) silt & clay			
2	62		2.8/4.0	0.8	1.6-2.1' Stiff, saturated, brown, coarse to fine sand, trace(-) silt & c 2.1-2.8' Stiff, saturated, black, coarse to fine sand, trace(-) silt & cla					
	60			0.6						
3	53			ļ						
,—										
4	67			0.3	clay	own, coarse to fine				
5	66		3.7/4.0	15.6	trace silt & clay		brown/black, coars			
	65			0.4	odor observed		earse to fine sand,			
6	65			0.2			gray, clay, odor ob			
_	65			1.5	6.9-7.7' Stiff, we	t, black/dark gray,	clayey silt, trace(-)	medium fine		
7	65 64			9.4						
	63			2.8						
8	61									
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A Type letterer				SOIL	BORING LOC)	Boring No.:	SB-2
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
ROJECT	No.:	83060		DRILLER:	Judson Powel	l, Josh Sandberg	DATE:	4/14/2005
URFACE	ELEVATION: 1	AV		SITE LOCATION	t .	NA	ET GEOLOGIST:	L. Benedict
WAT	ER LEVELS			BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				I.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPL	E DESCRIPTION, RE	MARKS, AND STRAT	UM CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	70			94.0	0.0-0.2' Loose, d	ry, concrete slab	floor, coarse to fine	e gravel subase
-								halt, coarse to fine
1	64			118	gravel, trace(-) fir		, , , , , , , , , , , , , , , , , , , ,	1/2
	62			6.9			se to fine gravel, to	race(-) fine sand
2	62		2.5/4.0	3.1			e to fine gravel, litt	5005
2	61			5.4	1		3 -10,1	
_	60							
3					1			
23								
4	200	+			4.0-4.3' Loose di	v coarse to fine	gravel_trace(-) fine	e sand, trace(-) silty
	72			100	clay, fill material	J, oddise to file	graver, trace(-) lille	Janu, Hace(-) silly
-	74			12.1		et graanieh brow	n/gray, mottled, cla	avov eilt odor
5—	72			35.7	observed	at, greenian brow	ringray, mottled, Cla	ayey Siit, OUOF
-	70		2.3/4.0		observed			
6	66		2.3/4.0	15.4	-			
D-200	00			50.0				
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Patte	Almai IX. Sergera			SOIL	BORING LO		Boring No.:	SB-3
	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:		logic Inc.	PAGE	1 of 1
PROJECT		83060		DRILLER:		II, Josh Sandberg	DATE:	4/14/2005
	ELEVATION: 1			SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
	ER LEVELS			BORING LOCAT		N/A		_
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
_				TYPE				
				I.D. WT./Fall				+
	Camela					4		
Depth	Sample Temperature	Blows	Recovery	PID/FID Readings	SAMPLE	DESCRIPTION DEA	MARKS, AND STRATU	MCHANCES
(ft)	(°F)	per/6"	(feet)	(ppm)	SAMI LL	DESCRIPTION, REI	MARKS, AND STRATO	W CHANGES
(14)		perio	(root)		0.0-1.0' Dry. con	cret slab floor and	subase, coarse to	fine gravel, coa
	89			0.3	to fine sand			9
	120			2.6		mp, red brown, co	arse to fine sand,	strong odor
1	139			3.6	observed (possil	ole contamination)	
	76		1.7/4.0	5.8	1.2-1.7' Soft, we	t, light brown, coa	rse to fine sand	
2	58		1.774.0	0.1				
	55			0.3				
3								
								·
4	80			46.0		t, brown, coarse to	o fine sand, trace(-) coarse to fine
	70				gravel			
5	79			0.7		t, black, coarse to		
	79		2040	0.8		t, dark gray/black,		
6	80 76		3.0/4.0	48.9	7.9-8.0' Stiff, wei	t, dark gray/black,	clayey silt, trace(-) fine sand
-	66	-		59.3				
7	00			4.0				
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A Tipe bilan	and M. Street			SOIL	BORING LO	<i>j</i>	Boring No.:	SB-4	
PROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geo	logic Inc.	PAGE	1 of 1	
PROJECT	No.:	83060		DRILLER:	Judson Powe	II, Josh Sandberg	DATE:	4/14/2005	
SURFACE	ELEVATION:	NA		SITE LOCATION	1	NA	ET GEOLOGIST:	L. Benedict	
	TER LEVELS			BORING LOCAT		N/A			
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE	
		-		TYPE					
		_		I,D.		+	+	-	
		-		WT./Fall					
Depth	Sample Temperature	Blows	Recovery	PID/FID Readings	SAMPLE	DESCRIPTION, REM	ARKS, AND STRATUM	/ CHANGES	
(ft)	(°F)	per/6"	(feet)	(ppm) 0.0	0-0.4' Concrete :	Slah Floor			
	51			0.0			on to fine send little	o olove 9 oilt	
1	+						m to fine sand, little		
<i>"</i>	51 52			0.1	0.8-1.4' Stiff, damp, brown, medium to fine sand, little(-) clay & silt, trace(-) coarse to fine gravel 1.4-2.6' Loose, coarse to fine gravel, little coarse to fine sand, trace clay & silt, fill material 2.6-2.7' Wet, black, coarse fine sand, little medium to fine gravel, st odor observed				
2	52		2.7/4.0	1.2					
3	1 02			1.7					
·				0.1	lodor observed				
4	51		**********	2.3		vet, black, coarse	to fine gravel, coar	se to fine sand, ,	
_	48			0.1		e.	lack, coarse to fine	sand	
5	48			0.3	5.4-6.3' Stiff, wet, dark gray, siltey clay, slight odor observed 6.3-6.4' Soft, wet, dark gray, medium to fine sand, little clay & si				
_	47		2.4/4.0	1.0					
6	47		2.4/4.0	1.1					
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200 1507	015	5.1.5	100	1	BORING LOG		Boring No.:	SB-5
ROJECT	34 Freeman's		oad Site	CONTRACTOR:		gic Inc.	PAGE	1 of 1
	ELEVATION: 1	83060		DRILLER:		, Josh Sandberg NA	DATE: ET GEOLOGIST:	4/14/2005 L. Benedict
		1.0 ft		BORING LOCATION		N/A	JET GEOLOGIST,	L. Deriedict
DATE	TIME	DEPTH		BORING EGGAT	CASING	SAMPLER	CORE	TUBE
	1			TYPE		G. 1111 Car.)	1	1000
				I,D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	48			0.7	0.0-0.2' Dry, cond			adirecto fine and
-	33			0.5	0.2-0.4' Stiff, wet, brown, coarse to fine sand, little medium to fine of 0.4-0.7' Soft, wet, brown, silty clay, little medium to fine gravel 0.7-1.0' Wet, black, coarse gravel, some medium to fine sand, trac silt & clay, odor observed, discolored 1.0-1.5' Stiff, wet, dark brown, clayey silt, little medium fine gravel			
1				0.5				
	34			0.6				
2	43		1.5/4.0	0.5				
2						The second secon		
3	l							
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4								
4	55			0.3	4.0-4.3' Soft, wet,	dark brown, coa	rse(+) to fine sand	, trace(-) silt & cla
_	1				4.3-5.2" Loose w	et black coarse	to fine gravel, fill m	naterial and/or
5	53			4.5	asphalt, odor obs			atorial ariaror
	55			44.6			k, clay, odor obser	ved
6	51		2.7/4.0	18.5			nic material, appare	
0	56			4.9				
7—	51			3.7				
	53			Printed States and American				
								
8	47			47.0	8.0-9.0' Apparent			
_	47	-		45.0	Upper 0.2' coarse			
9	47			15.3	1		rse to fine gravel,	strong odor
-	ł		1.0/4.0		observed, sheen	observed		
0			110/110					
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Eart					BORING LOG		Boring No.:	SB-6		
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:		gic Inc.	PAGE	1 of 1		
ROJECT	No.:	83060		DRILLER:	Judson Powell,	Josh Sandberg	DATE:	4/14/2005		
JRFACE	ELEVATION:	NA		SITE LOCATION	l: N	A	ET GEOLOGIST:	L. Benedict		
WAT	TER LEVELS	1.0 ft		BORING LOCAT	ION:	N/A				
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE		
				TYPE						
				I.D.						
				WT/Fall						
	Sample			PID/FID						
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATI	JM CHANGES		
(ft)	(°F)	per/6"	(feet)	(ppm)						
	42			6.6	0.0-0.2' Concrete	Slab Floor				
	40			2.2	0.2-0.4' Soft, wet,	brown, coarse to	fine sand, little m	edium to fine gravel		
_	41		1.3/4.0	1.0	0.6-0.8' Loose, wet, red brown/black, coarse to fine sand, some medi to fine gravel, odor observed 0.8-1.0' Soft, wet, dark brown, silty clay, some medium to fine gravel, observed 1.0-1.3' Wet, black/dark gray, silt & clay, some medium to fine gravel					
2 ——										
3										
					observed		78.0			
, ——	T	l T		0.3	4.0-4.9' Very soft,	saturated, dark b	rown/dark gray, c	layey silt, little coars		
	46			0.3	to fine gravel					
5	45			0.3	4.9-5.3' Stiff, satur		brown, mottled,	clayey silt, little(-)		
	40			0.5	medium to fine gra	ivel				
	49		- V	0.3	5.3-6.5' Stiff, wet, dark brown, clay, slight odor observed 6.5-6.7' Stiff, saturated, red brown, organic material, apparent per slight odor observed					
3	47		3.5/4.0	0.4						
7	44			0.4	6.7-7.5' Soft, wet, dark brown/gray, clayey silt, trace(-) fine sand observed					
	47			0.4	1					
	47			0.4						
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The state of the s	34 Freeman's		oad Site	CONTRACTOR:		gic Inc.	PAGE	1 of 1
PROJECT		83060		DRILLER:		Josh Sandberg	DATE:	4/13/2005
- Commo	ELEVATION: 1	Diany T		SITE LOCATION		IA	ET GEOLOGIST:	L. Benedict
0.000	TER LEVELS			BORING LOCAT		N/A	T	
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
	-			TYPE				
				I.D.			-	-
		-		WT./Fall				
	Sample		_	PID/FID	0.1150.50			
Depth	Temperature	13.50	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)	0.0.0.3' 1.0000 (parea to fine ear	nd, little coarse to f	ine gravel fill
_	-			0.0			race(-) medium to	
1	70			0.0	observed	wii, clayey siit, t	ace(-) medium to	ille graver, odor
'	73			45.2	0.7-1.1' Coarse to	fine gravel, fill r	naterial	
-	1		112.112.200.00				tle medium to fine	gravel, odor
2	72		3.2/4.0	17.8	observed			
	71			24.1		vet, black, coarse	to fine sand, coar	rse to fine gravel.
, -	75			24.8	material, strong o			
3	72							
4	1			2.6	4.0-4.4' Wet, blac	k, coarse to fine	gravel, fill material	
5	62			5.1	4.4-6.0' Wet, black	k/dark gray, mot	tled, clayey silt, ap	parent free produc
J	59			35.1	observed, black to	ar-like substance	, strong odor obse	rved
6	59		2.0/4.0	3.6				
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Alberta	hTech			SOIL	BORING LOC	3	Boring No.:	SB-8
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
ROJECT	No.:	83060		DRILLER:	Judson Powe	I, Josh Sandberg	DATE:	4/13/2005
URFACE	ELEVATION: N	NA		SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
WAT	TER LEVELS	3.1 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				1.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	ARKS, AND STRATU	M CHANGES
(ft)	(F)	per/6"	(feet)	(ppm)				
				0.0	0.0-1.0' Loose, n	noist, brown, claye	ey silt, coarse to fir	ne gravel, fill
1	72			0.0	material			
	68			0.0		noist, yellow brown	n, clayey silt, coars	se to fine gravel, f
2	67		3.6/4.0	0.7	material			
	66		0.017.0	3.5			e sand, coarse to f	
3	64			55.6	574		ick, glass, resin wa	X
_	60			12.8	3.1-3.6' Same as	above, Wet		
4	55			3.2	-,			
_	58			67	175		sand, coarse to fin	e gravel, C&D fill
5	54			62.4	resin wax, glass,	brick, strong odor	robserved	
_	51	_		44.0				
6	51		1.7/4.0	40.0				
_								
7								
-		-						
8					0 0 0 5 W/ot blo	ale appears to fine	and sooms to fin	a aroual COD fill
0	55			5.0	brick, glass, odor		sand, coarse to fin	le gravei, C&D IIII
	54			4.1		, wet, black, clay		
9	52			0.0	이번 경기 아니라 아이는 그렇게 하는데 보다 되었다.		v brown, trace(-) s	ilty olay Wood
_	53	_	3.1/4.0	0.0		ong odor observe		illy Gay, weed
0	55		5.174.0	0.0			clayey silt, odor ob	served
30.	55			0.0	10.1-11.1 Voly 0	ort, moiot, bidott, t	olayey olik, odor ob	001700
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Eart	admittations			SOIL	BORING LOC	3	Boring No.:	SB-9
PROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
PROJECT	No.:	83060		DRILLER:	Judson Powel	I, Josh Sandberg	DATE:	4/13/2005
SURFACE	ELEVATION: N	AV		SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
WAT	TER LEVELS	48 in		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				I.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	70			4.2			coarse to fine san	d, and coarse to
1	65			22.4	fine gravel, fill ma			
	66			16.8			se to fine sand, littl	e(-) silty clay,
2	67		3.6/4.0	15.8	trace(+) medium	to fine gravel		
_	66			12.6			e gravel, some silt	y clay, trace(-) fin
3	66			12.1	1	ick, glass, odor o		
_	63			10.9			and, little coarse to	fine gravel, C&D
4				-	filol, glass, brick,			
	62			17.2			coarse to fine san	d, some coarse to
5	59			7.4		fill, glass, brick, o		
	58			16.4	The state of the s	The state of the s	silt, trace fine grave	
6	58		2.2/4.0	23.0	6.0-6.2' Soft, dan	np to wet, black, o	layey silt, trace fin	e sand
-	57			6.4				
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A Desire	hTech			SOIL	BORING LO	G	Boring No.:	SB-10	
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geo	logic Inc.	PAGE	1 of 1	
ROJECT	No.:	83060		DRILLER:	Judson Powe	ell, Josh Sandberg	DATE:	4/13/2005	
URFACE	ELEVATION: 1	AV		SITE LOCATION	t .	NA	ET GEOLOGIST:	T. Heath	
WA	TER LEVELS	4.0 ft		BORING LOCAT	ION:	N/A			
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE	
				TYPE					
				I.D.					
				WT./Fall					
	Sample			PID/FID					
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REA	MARKS, AND STRATU	M CHANGES	
(ft)	(°F)	per/6"	(feet)	(ppm)					
_	54			0.0		ist, light brown, m	edium to fine sand	i, little(-) medium t	
1	54			0.0	fine gravel				
-	54			7.9			parse to fine sand,	little(-) coarse to	
2	54		2.8/4.0	44.6	fine gravel (fill m		- 10 B	711	
-	54			33.8	2.4-2.8' Soft, wet, dark brown, coarse to fine sand, coarse to fine gra				
3					strong odor observed				
4									
	54			4.7	Wet, fill material	, strong odor obse	erved		
5					-				
_	- 1								
6			1.1/4.0		1				
_	-								
7									
. —									
В	52			3.2		t, dark brown, clay	& silt, little(-) fine	sand, strong odor	
-				4.4	observed	at deal become as	to Con soud		
9 ——	51			4.1	19.7-11.9 Soft, W	et, dark brown, co	arse to fine sand,	10015	
-	50 49		20/40	5.1					
0			3.9/4.0	12.5	-				
-	48			4.6					
1 ——	48			1.1	-				
10	48			6.6					
2	47			7.4					
-	-								
3					1				
-	- 1								
4					1				
-	- 1								
5					+				
_	-								
6									
_	-								
7					1				
_	- 1								
8					1				
\ <u>-</u>					1				
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⊘ Eart	Marie				BORING LO		Boring No.:	SB-11
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geo	logic Inc.	PAGE	1 of 1
ROJECT	No.:	83060		DRILLER:	Judson Powe	ell, Josh Sandberg	DATE:	4/13/2005
SURFACE	ELEVATION: 1	NA		SITE LOCATION	t .	NA	ET GEOLOGIST:	T. Heath
WAT	TER LEVELS	3.0 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				1.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
4	62			0.9			parse to fine sand,	
1	60			7.1			(glass, brick, asph	alt)
_	60			7.0	3.3-3.5' Loose, v	wet, brown, coarse	to fine sand	
2	59		3.5/4.0	8.3				
_	57			5.4				
3	55			0.3	-			
_	55			6.5				
4								
-	-							
5					1			
	1							
6					1			
_	-							
7					1			
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8							***************************************	
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Eart!	n Tech			SOIL	BORING LOC	}	Boring No.:	SB-12
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
ROJECT		83060		DRILLER:		II, Josh Sandberg	DATE:	4/13/2005
URFACE	ELEVATION: 1	NA		SITE LOCATION		NA	ET GEOLOGIST:	T. Heath
WAT	ER LEVELS	2.4 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
			***************************************	I.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	54			0.0	0.0-1.6' Loose, n	noist, brown, coar	se to fine sand, so	me(-) coarse to fi
	54			0.0	gravel (fill materi	al)		
1	54			9.8	1.6-2.0' Stiff, mo mottled	ist, brown, mediur	n to fine sand, and	(-) clay & silt,
. –	54		3.0/4.0	11.7	The second secon	ist brown/black c	coarse to fine sand	some(+) clay &
2	55		**************************************	0.0	silt, little(-) mediu			,
, -	56			3.6		et, brown, coarse	to fine sand	
3	55					The second secon		
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Alphin	hTech				BORING LOG		Boring No.:	SB-13
Control of the Control	34 Freeman's		oad Site	CONTRACTOR:		ogic Inc.	PAGE	1 of 1
PROJECT		83060		DRILLER:		I, Josh Sandberg	DATE:	4/13/2005
SURFACE	ELEVATION: N	NA.		SITE LOCATION		NA	ET GEOLOGIST:	T. Heath
WAT	TER LEVELS			BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				I.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REA	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6*	(feet)	(ppm)				
	54			0.0	0.0-2.7' Moist, bro	own-dark brown,	medium fine sand,	some(-) gravel,
1	54			0.0	little(-) silt, Fill Ma	aterial (asphalt, b	rick)	
100	54			0.0	2.7-2.9' Moist, lig	ht brown, silt, fine	e gravel	
2	53		2.9/4.0	0.0				
-	50		2.3/4.0	0.0]			
3]			
4	L							
UN:	50			0.0			nedium to fine san	d, some(-) claye
5	49			77.1	silt, Fill material (
_	48			167	5.6-6.8' Stiff, Moi:	st, dark brown, cl	ay & silt, mottled	
6	47		3.2/4.0	16.8	6.8-7.2' Stiff, Moi	st, light brown, m	edium to fine sand	, some(-) silt
	46		3.2/4.0					
7	44							
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8					Visit a line contribution of the American States			
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	and the second second	****			BORING LOG		Boring No.:	SB-14
	34 Freeman's		oad Site	CONTRACTOR:		gic Inc.	PAGE	1 of 1
ROJECT		83060		DRILLER:		Josh Sandberg	DATE:	4/13/2005
	ELEVATION: 1	VA		SITE LOCATION		IA .	ET GEOLOGIST:	T. Heath
	ER LEVELS			BORING LOCAT		N/A	· ·	-r
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE			-	
			-	I.D.				
	730			WT./Fall				
- TOTAL 100	Sample			PID/FID	I December 2000 Front			
	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	45			0.1		st, light brown, fir	e sand, some(-) s	ilt, trace(-) grave
1	48			0.0	roots			2
-	49			0.1			fine sand, some(-)	coarse to fine
2-	50		3.5/4.0	0.4	gravel, little(-) silt	aspnait (0.5-0.7	7)	
	49			0.8	1			
3-	49			0.7				
	41			2				
4					 			
-	48			0.0		oist, dark brown,	fine sand, some(-) gravei, little(-) s
5	50			0.0	strong odor			
-	48			0.0	4.5-6.8' Moist, bro	0.55	TO 100 100	
6	47		3.0/4.0	0.0	6.8-7.0' Soft, mois	st, dark brown, fir	ne sand, silt	
-	44		3.50.50.00.000.000	0.0				
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⊜ Earti	Rend Did. Company			SOIL	BORING LOC	i	Boring No.:	SB-15
PROJECT:	34 Freeman's	Bridge Ro	ad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
ROJECT	No.:	83060		DRILLER:	Judson Powel	I, Josh Sandberg	DATE:	4/12/2005
URFACE E	ELEVATION: 1	NA		SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
WAT	ER LEVELS	3.1 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				1.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6*	(feet)	(ppm)				
				0.0	0.0-0.5' Topsoil			
1	52			0.0	0.5-1.7' Loose, n	oist, brown, silt &	clay, trace fine gr	avel
	51			0.0	1.7-2.1' Stiff, moi	st to damp, brown	n, silty clay, little m	edium to fine san
2	53		3.1/4.0	0.0	trace fine gravel			
	52		0.1/4.0	0.0			ed, silt and clay(-)	
3	53			0.0	2.8-3.1' C&D fill,	brick		
	50			0.0				
4				ļ				*************
	56			0.0	4.0-4.9' C&D fill,			
	52			0.0		d, C&D fill, clay &	silt, medium to fin	e gravel, strong
5					odor observed			
_	55			0.0	*Bottom 0.25 ft is	black with strong	odor	
6	50		1.9/4.0	2.1				
_	55			0.0				
7								
_								
8								
_	NA			NA	None collected			
9								
_								
0			0.0/4.0					
_								
1					ļ			
2				ļ				
	60			0.0			k, medium to fine(+) sand, silty clay
3	62			0.0	slight odor obser	ved		
_	63			0.0				
4	62		4.0/4.0	2.3				
	61			2.0				
5	60			0.7				
1	60			0.0				
6	61			0.0				
	61			0.0				
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Earl	nded IX began			SOIL	BORING LOC	3	Boring No.:	SB-16		
PROJECT	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1		
PROJECT	No.:	83060		DRILLER:	Judson Powe	II, Josh Sandberg	DATE:	4/12/2005		
URFACE	ELEVATION:	NA		SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict		
WA	TER LEVELS	9.5 ft	- 1	BORING LOCAT	ION:	N/A				
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE		
				TYPE						
				I.D.						
				WT./Fall						
	Sample			PID/FID						
Depth	Temperature		Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATE	JM CHANGES		
(ft)	(°F)	per/6*	(feet)	(ppm)						
_	57				0.0-0.8' Topsoil					
1	54			0.0						
_	55	\vdash		0.0	0.8-1.2 Loose, n	noist, brown, claye	ey silt, little mediun	n to fine gravel		
2	57		3.0/4.0	0.0	1.2-2.4' Loose, moist, brown, clayey silt, some medium to fine grave					
10.00	57	\vdash		0.0						
3	57			0.0		ay black/green br	own, clayey silt, tra	ace medium to fine		
-	61	\vdash		1.9	gravel					
	58			0.0	2.9-3.0' Concrete	9				
4				0.0	4.0-4.7' Stiff, moi	ist, black, mottled,	silt and clay(-), tra	ace fine gravel, odo		
-				50,8200	Court view Commission		reserved as well that the			
5	60			72.8	4.7-5.0' Concrete					
_	58		0.54.0	2.3			/(-), trace(-) fine gr	avel		
6	59		3.5/4.0	0.2	1	ist, red brown, cla				
_	58			0.0	7.2-7.4' Stiff, moist, brown green, mottled, silt & clay, trace(-)					
7	60			0.0	7.4-7.9' Very soft, saturated, black, fine sand, little clayey silt, odo					
_	61			0.0	observed					
8	62			0.0	0.007157					
-	55	-		0.0			trace medium to f			
9	50			0.0	8.7-9.5' Stiff, moi	st, brown gray, si	t and clay(-) mottle	ed, odor		
_	53			0.0	0.5.0.01.1/	black/see.				
0			1.6/4.0		9.5-9.6' Very soft	t, wet, black/gray,	medium to fine sa	nd, trace silt and cl		
	-									
1 ——					1					
_	-									
2										
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3					1					
_	-	-								
4					-					
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	hTech				BORING LOC	3	Boring No.:	SB-17
ROJECT:	34 Freeman's	Bridge Ro	oad Site	CONTRACTOR:	Geol	ogic Inc.	PAGE	1 of 1
ROJECT	No.;	83060		DRILLER:	Judson Powe	I, Josh Sandberg	DATE:	4/12/2005
URFACE	ELEVATION: N	NA		SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
WAT	ER LEVELS	9.0 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				I.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
_	61			0.4	0.0-0.7' Topsoil			
1 ——	62			0.0	0.7-1.5' Wet, fill i			
_	62			0.0	1.5-1.7' Very soft, wet, black/gray brown, medium to fine sand, little and clay(-), trace medium to fine gravel			
2	56		1.7/4.0	0.0	and clay(-), trace	medium to fine g	ravel	
	56		control e stress	0.0				
3								
				1				
4				ļ	4.0.4.51.0::			
	57	_		20.5			wn, silt and clay, w	
5					observed, NAPL	tree product obse	erved (red-brown, v	viscous)
_				1				
6			0.5/4.0					
-								
7			4					
-								
8					0.0.0.41.00			
	54				8.0-8.4' Stiff, wet			
_	1 50				18.4-8.7 Soft, wet	, black, medium to		- / A - 114 d - l - · ·
9	59			0.0				ce(-) silt and clay
9	60			0.0		, black, medium to	o fine(+) sand, trac o fine(+) sand, trac	
_	60 59		4.0/4.0	0.0 0.0	8.7-9.0' Stiff, wet			ce(-) silt and clay
_	60 59 58		4.0/4.0	0.0 0.0 3.2	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59		4.0/4.0	0.0 0.0 3.2 3.9	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59		4.0/4.0	0.0 0.0 3.2 3.9	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1 — 2 — 3 — 4 — 5 — — 5 — —	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
1 — 2 — 3 — 4 — 5 — — 5 — —	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
3 - 4 6	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0 — 1 — 2 — 3 — 4 — — 5 — — 6 — — 6 — —	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
0 — 1 — 2 — 3 — 4 — — 5 — — 6 — — 7 — — 8 — — — — — — — — — — — — — —	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay
9	60 59 58 59 58		4.0/4.0	0.0 0.0 3.2 3.9 0.0	8.7-9.0' Stiff, wet		o fine(+) sand, trac	ce(-) silt and clay

A Qual mass				-	BORING LOC		Boring No.:	SB-18
on the said Colonian in the	34 Freeman's	- Contractor (Contractor (Cont	oad Site	CONTRACTOR:		ogic Inc.	PAGE	1 of 1
ROJECT		83060		DRILLER:		II, Josh Sandberg	DATE:	4/12/2005
On - March	ELEVATION: I	42 VENNES		SITE LOCATION	l:	NA	ET GEOLOGIST:	L. Benedict
September 1	TER LEVELS	8.9 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE			- Lance	
				I.D.			- Landau - Carlon - C	
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
12				0.0	0.0-0.5' Top Soil			
							l, clayey silt, trace(
	50			0.0			olack, coarse to fin	e sand, trace cla
1				ļ	and silt(+), medit		elli ilizonesionesi	
	51		20/40	0.2			silt, some medium	to fine sand, trac
nee e	51		3.2/4.0	0.1	medium to fine g		n to fina(1) "	ttle eilt
2	51			0.1			n to fine(+) sand, li	
-	51			0.2 0.1	2.1-2.8' Stiff, moi 2.8-3.2' Concrete		ayey silt, trace fine	gravei
3	51			0.1	2.8-3.2 Concrete)		
	31							
4					4 0 4 8' Moist or	av black some el	ayey silt, medium to	o fine gravel tree
	1 1	- 1		0.1	C\$D, concrete	ay black, some ch	ayey siit, medium t	o ilile gravei, trac
-	57			0.3		hlack/light gray	mottled, siltey clay	medium to fine
5	54			3.6		ong odor observe		, mediam to fine
	55	-	3.4/4.0	3.3	57/2			a acad little cilt
6	52		3.4/4.0	2.7	and clay, mediun		ottled, coarse to fir	ie sand, iittie siit
	54			5.1	1000	_	tle medium to fine	gravol
7	52			2.4	1			533
-	52			2.4	observed(unusua		ttled, silt & clay, as	sn, odor
8	53			1.2	8.0-8.5' Saturate		t & clay	
	52	CONTRACTOR OF		0.4	1		ttled, silt and clay	
9	52			1.8	4		um fine sand, little	silt & clay odor
1 1000	47	$\overline{}$		0.3	9.1-9.4' Stiff, moi			Silt & Clay, Odol
0			1.4/4.0		0.1-9.4 0011, 11101	st, gray black, mo	ttied, Silt & Glay	
-	1							
1					1			
100								
2		+						
3		+			1			
-	1							
4					1			
5		+						
< 								
6		+						
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7 ——		+						
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1,94 (4)	hand St. Contyred			SOIL	BORING LOG	i	Boring No.:	SB-19
ROJECT:	34 Freeman's	Bridge Ro	ad Site	CONTRACTOR:	Geolo	gic Inc.	PAGE	1 of 1
ROJECT	Vo.:	83060		DRILLER:	Judson Powell	, Josh Sandberg	DATE:	4/12/2005
URFACE E	ELEVATION: 1	AV		SITE LOCATION		A	ET GEOLOGIST:	L. Benedict
WAT	ER LEVELS	8.0 ft		BORING LOCAT	ION:	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
				I.D.				
				WT./Fall				
1000000	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)	000000			
				0.0	0.0-0.8' Soft, moi:	st to damp, brown	n, mottled, organic	, topsoii
1	44			0.0	0.0.4.51.04%			UMI - C
-	44 44			0.0		si to damp, brown	n, mottled, siltey cl	ay, iillie fine grave
2	43		2.5/4.0	0.6	1.5-2.1' Asphalt			
_	43			0.4	2 1-2 E' Cliff mair	et grav black ele	yey silt, trace(-) m	edium to fine area
3				0.2	2.1-2.5 Suit, mos	st, gray black, cla	yey siit, trace(-) m	edidini to nne grav
-		-						
4		+		0.0	4 0-5 3' Stiff mois	st to damo, brown	n/black, clayey silt,	asphalt
_	51			0.4				onescamac vi acces
5	51			0.6	5.3-5.9 Stiff, mois	t to damp, brown	/black, siltey clay,	trace(-) fine grave
. –	48			0.2	5.9-7.1' Asphalt			
6	49		3.1/4.0	0.4				
7	50			0.1				
/				0.1	1			
8	amanin wasarii							
				0.0	8.0-8.9' Saturated	d, brown, clay, fin	e gravel, asphalt	
9	46			0.0	8.9-9.5' Damp to	wet, brown, mottl	ed, silty clay, trace	e(-) medium to fine
	45			0.1	gravel, organic m	aterial		
0	44		1.5/4.0	0.0				
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PO IECT	34 Freeman's	Bridge Dr	and Cita	CONTRACTOR:	BORING LOC	710	Boring No.:	SB-20
ROJECT	- 17	83060	Jau Sile	DRILLER:		logic Inc. II, Josh Sandberg	DATE:	4/12/2005
	ELEVATION: I			SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
100000	TER LEVELS	8.0 ft		BORING LOCATION		N/A	ET GEOLOGIST:	L. Benedict
DATE	TIME	DEPTH		BORING LOCAT	CASING	SAMPLER	CORE	TUBE
DAIL	THVIC	DEFIN		TYPE	CASING	SAMPLER	CORE	TOBE
				I.D.				-
		-		WT./Fall		-		
	Sample			PID/FID				1
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION REA	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)	0,4111	22001tli 77011, 11211	2110,7110 0714110	
()	42	pone	(root)	0.0	0.0-0.9' Soft, we	t, brown, organic,	topsoil	
	42			0.0		,,3,		
1	42			0.1	0.9-1.7' Stiff, dar	mp to wet, red bro	wn, siley clay, trac	e(+) fine gravel
, –	44		0.0/4.0	0.0	1.7-2.2' Loose, damp to wet, brown, medium to fine sand, trace(+) clayey silt, medium to fine gravel, asphalt			
2			2.2/4.0					
3					The second particular second		The state of the s	
3					1			
4								
+				0.0	4.0-4.8' Very sof	t, saturated, claye	y silt, trace mediur	n to fine gravel
5	47			0.0	4.8-5.6' Asphalt			
_	50			0.0	5.6-6.9' Stiff, mo	ist, gray brown/gra	ay, mottled, clayey	silt, medium fine
6	44		3.1/4.0	0.0	gravel			
	45			0.1			ray black, siltey cla	
7	46			0.0	fine sand, trace medium to fine gravel, odor observed (ur			d (unusual)
-	46			0.0				
8	42			ļ	0.0.0.41.6	6074		
-	43 43			0.0	8.0-9.4' Same as			
9 ——	43			0.0	9.4-10.3 Stiff, m	oist to damp, blac	k, clayey silt, little	nedium fine(+)
-	43	-		0.0	The state of the s	rou blook mottles	d, medium to fine s	and alayay silt
0	43		3.2/4.0	0.0	petroleum sheen		a, medium to line s	and, dayey siit,
-	43	-		0.0	petroleum sneen	Observed		
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ROJECT NO	LEVATION: 1	83060	oad Site	CONTRACTOR:	Con	1 1 1	PAGE	1 of 1
URFACE E	LEVATION: N				Get	ologic Inc.	FAGE	1 01 1
WATE	R LEVELS	ΔL		DRILLER:	Judson Pow	ell, Josh Sandberg	DATE:	4/11/2005
		1/1		SITE LOCATION	4.	NA	ET GEOLOGIST:	L. Benedict
DATE	TIME	3.1 ft		BORING LOCAT	ION:	N/A		
		DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE				
-				I.D.				
				WT./Fall				
- 1	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REMA	ARKS, AND STRATUM	CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
	53			0.6	0.0-0.3' TopSoil			100
1	50			0.0	0.3-2.3' Loose,	damp, reddish brov	wn, some medium	to fine gravel, fi
	50			0.0	material and asphalt			
2——	50		2.3/4.0	0.0				
		000000000000000000000000000000000000000	2.0/4.0					
3——								
				100000000000000000000000000000000000000				
4								
	62			0.0	4.0-6.9' Same a	s above		
5——	64.4			0.0	6.9-7.0' Wood d	lebris		
	69.6			0.3	7.0-8.0' Stiff, da	mp, green gray, m	ottled, clay and silt	
6——	67.6		4.0/4.0	1.0				
	65.4	SOM STANLE	4.0/4.0	1.4				
7	66.3			0.5				
	61.3	T. S.		0.5				
3	62.4			0.1				
	58.1	CANADON		0.0	8.0-8.7' Stiff, mo	oist, gray black, silt	ey clay, trace(-) fin	e sand
9	50.7			0.0	8.7-9.5' Stiff, mo	oist to damp, gray b	olack, silty clay, tra	ce medium(+) t
	49.4			0.0	fine sand			
0	49.8		3.1/4.0	0.0			, silty clay, little(-) f	
	49.2		0.114.0	0.0	THE REPORT OF THE PARTY AND THE	oft, wet, gray black	, silty clay, and me	dium fine (+)
1-	50			0.0	sand			
	51			0.0	■ 10 (10 th 10		clay, some fine sa	
2					10.7-11.1' Soft t	to stiff, gray black,	mottled, clayey sil	t(+)
		150000000000000000000000000000000000000						
3——-								
				The second secon				
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				VICE CONTROL C				
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		100000000000000000000000000000000000000						
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	PET THE PROPERTY OF THE							

200 1505	24.5	5			BORING LOG		Boring No.:	SB-22
	34 Freeman's		oad Site	CONTRACTOR		gic Inc.	PAGE	1 of 1
PROJECT		83060		DRILLER:		Josh Sandberg	DATE:	4/11/2005
	ELEVATION: 1	-		SITE LOCATION		IA	ET GEOLOGIST:	L. Benedict
		8.0 ft		BORING LOCA		N/A		-
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
	-			TYPE				
				1.D.				
				WT./Fall				
	Sample			PID/FID				
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	MARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)				
-	63			0.0	0.0-0.35' Top soil			
1	59			0.0	0.35-0.7' Asphalt			
	59			0.0		lay, trace(-) fine gr	avel	
2	61		3.2/4.0	0.0	2.2-2.8' Asphalt 2.8-3.2' Stiff, moist, brown, clay, trace(-) fine gravel			
	61		540 (14 8 5 5 5	1.3				
3	62			2.9				
	62			0.8				
4	69			1.0		t, brown, siltey c	lay, little(+) fine sa	nd, trace(-) fine
-				12.5%	gravel		F 255 126	
	70			0.2	4.5-4.75' Concret			
5	67			1.1			clay, trace medium	to fine sand, trac
	- 1				medium to fine gr			
	68		3.5/4.0	3.6	5.75-5.9' Damp, b			Service of West-African
6	69			3.6			, siltey clay, little m	edium to fine
-				13/12/4/96	gravel, wood, plas		block alexavella I	:
7	69			3.2			black, clayey silt, I	ittie(-) medium to
·	71		+	6.4	fine gravel, glass,		k, silty clay, C&D fi	II beiok
Electric Control of the Control of t	1 '' 1			0.4	7.15-7.5 Sun, mo	ist to darrip, black	K, Silly Clay, CaD II	II, DITCK
8	49	+		0.0	8 0 8 5' Wet to sa	turated black m	edium fine(+) grav	al little clay & sil
TOW!	48	\neg		0.0			e(-) silt, trace(-) fine	
9 ——	48			0.0			e(-) siit, trace(-) fin ey silt(-), little(-) fin	
-	49			0.0	9.0-10.7 Still, wet	, gray black, clay	ey Siit(-), iittie(-) iiii	e graver
0	49		2.7/4.0	0.0	1			
-	51	-		0.0				
1	51			0.0	+			
	31			0.0				
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A Que total	mellend this financy			1	BORING LOG		Boring No.:	SB-23
	34 Freeman's		oad Site	CONTRACTOR:		ogic Inc.	PAGE	1 of 1
PROJECT		83060		DRILLER:		I, Josh Sandberg	DATE:	4/11/2005
AND STREET, ST	ELEVATION: I			SITE LOCATION	The state of the s	NA	ET GEOLOGIST:	L. Benedict
	TER LEVELS	5.5 ft		BORING LOCAT		N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
				TYPE			4	
	-			1.D.	· · · · · · · · · · · · · · · · · · ·			
				WT./Fall			1	
SHWALLOWS F	Sample	Turkey a law		PID/FID	OCCUPATION PARTIES			
Depth	Temperature	Blows	Recovery	Readings	SAMPLE	DESCRIPTION, REM	IARKS, AND STRATU	M CHANGES
(ft)	(°F)	per/6"	(feet)	(ppm)	0.0.0.0.000			
-	39.7			2.8	0.0-0.8' Stiff, moi	st, brown, clay an	d silt, little (+) med	lium to fine grave
1	45.9			9.5			AND THE PROPERTY OF THE PROPER	
19	51			12.7		st, brown to light	brown, fine sand, I	ittle (-) silt, trace(-
2	50		3.2/4.0	14.1	2.2-2.8' Asphalt	ON TOTAL SECTION SECTI	27	
_	49		576 (1946) 1197 (C	14.2	2.4-3.2' Stiff, moi	st, light brown, sil	t	
3	48			13.5				
-	47			9.8				
	ļ							
4	45			11.0	4.0-4.6' Soft, moi	st, brown, silt and	clay, trace (-) grav	el, low plasticity
-	47			100000			**************************************	
5	47			13.4	4 6 5 01 6 0 0	Unbahan Gas		
3	45			2.6			sand, some (+) cla	ayey siit, siignt
-	44			2.0	plasticity *Water	lable at 5.5		
6			3.0/4.0	2.0				
U	44			3.4	5 8 7 0' Soft wat	dark brown fino	sand little () clay	ov silt non plasti
9-	1				5.8-7.0' Soft, wet, dark brown, fine sand, little (-) clayey silt, nor			
7	44			20.6				
Sec.	44			23.4				
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	6)	×			Monito	ring Well Boring	Log	M. Well N	o.: MW (25)
PROJEC	CT: Freeman's	Bridge PD	1		_		PROJECT No.: 83060.0	2	ET GEOLOGIST	: Lucas Benedict
CONTR	ACTOR: Geolo	gic, Inc.					DRILLER: Joe Menzel, J	ludson Powell	PAGE: 1 of 1	DATE: 4/25/05
ORING	LOCATION: V	Vest-north	west of buil	ding in	undeve	eloped field	SITE LOCATION: Glen	ville. New York	SURFACE	ELEVATION: NA
	WATER LEVEL	2,000,000	T			RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	F		CME 45C	Hollow Stern Auger	Split Spoon	-	1000
DATE	DEI III	THVIL	1.D	30	-	OIVE 400	4.25"	2"		
			WEIG		-		4.20	140#	-	
			FAL		-					
D	5	-	-		~			30"		
The second	Penetrometer	Blows	Recovery	1000	Temp.		SAMPLE DESCRIPTION	AND STRATUM CHA	NGES	REMARKS
(it) ogs	(T/ft ² ;KG/cm ²)	per/6"	(feet)	(ppm)	(°F)					
0-										Personal access to a service and
		5	0.51/2.01				ft, Moist to Damp, Br	own, Clayey Silt,	Little Medium to	Topsoil and Roots
1-		4					Trace Fine Gravel			
		3				0.4'-0.5' Lo	ose, Dry, Grey, Coars	se to Fine Gravel,	Non-plastic	Fill Material to 6.0' bgs
2-		9								
		17	1.4'/2.0'				ose, Wet, Construction			Non-plastic
3		13					ft, Wet, Brown, Coars			Non-plastic
~		28				Fine Grave	I, Trace Construction	and Demolition D	Debris, Brick	
4		31				2.7'-3.4' Lo	ose, Wet, Black, Asp	halt Gravel, Trace	e Clay and Silt	Water Table observed at
-		50/0.1	None							approximately 3.0' bgs based on moisture in spoon casing:
		100/0.3								Odor observed; Non-plastic
5		1	1.0'/1.0'	·		5.0'-5.2' Ve	ry Soft, Saturated, Bl	ack, Silty Clay, Tr	race Fine	
	Transport of the second	3					ce Wood Fragments			
6		W.O.H	1.4'/2.0'			5.2'-6.0' Sti	ff, Moist to Damp, Bro	own/Grey Mottled	, Clayey Silt,	Strong Odor Observed
_		W.O.H.	10,10,000			Trace Fine				Carding Coor Coop ros
7-		1				6.0'-6.5' So	ft to Stiff, Saturated/	Moist to Damo, B	rown/Grev	Odor Observed; Consistency
		2					ayey Silt, Trace Fine			and Moisture Content Varied
8			2.0'/2.0'				ff, Damp to Wet, Bro			Odor Observed
-		1	2.072.0			Sand, Medi		will Grey Mothed,	Wediam to 1 me	
9-							ry Soft, Saturated, Da	ork Croy Modium	to Eine Sand	Odor Observed
		W.O.H.					and Silt, Trace Mediu			000. 0000.700
0-		11				Plasticity	and one, made wicele	and to 1 line Graves	, ivicularii	
-							ft, Wet, Dark Grey, M	ladium to Fine Co	ad Coma Clay	
1							ace Fine Gravel, Med		inu, some ciay	
-									diverse Time	
2-							tiff, Wet, Dark Grey/E um Plasticity	Brown Mottled, Me	edium to Fine	
						Sand, Medi	um Flasticity			
3—						E	0 10 01 5 '''	manual late 11	there are delited a	
-							@ 10.0' bgs; Drillers			
4							extent of the Fill. The of Fill was screened.		0.0 bys and	
						ule linei val	or r iii mas surcerieu.			
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	6)	×			Monitor	ring Well Boring	Log	M. Well I	No.: MW (26)
PROJEC	CT: Freeman's	Bridge PD	I .				PROJECT No.: 83060.02	!	ET GEOLOGIS	T: Lucas Benedict
ONTR	ACTOR: Geolog	gic, Inc.					DRILLER: Joe Menzel, Ju	udson Powell	PAGE: 1 of 1	DATE: 4/26/05
ORING	LOCATION: W	Vest of ons	site building	along	roadwa	у	SITE LOCATION: Glenv	ille, New York	SURFACE	E ELEVATION: NA
	WATER LEVEL	s				RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	E		CME 45C	Hollow Stern Auger	Split Spoon		
			I.D				4.25"	2"		
			WEIG	НТ	_		1	140#		
			FAL					30"	1	
Depth	Penetrometer	Blows	Recovery	PID	Temp.					
Control of the last	THE STATE OF THE S	SERVICE DES	(feet)	(ppm)			SAMPLE DESCRIPTION A	ND STRATUM CHA	NGES	REMARKS
,,,,,	(int ,koroni)	pono	(root)	(ppiii)	(1)					
0-		13	1.2'/2.0'			0 0'-0 2' 50	ft, Wet, Brown, Clay a	and Silt Some C	narse to Fine	Topsoil and Roots
		16	1.272.0				Medium to Fine Grav			100000000000000000000000000000000000000
1-		9					ose, Damp, Black, Co		vel Little	Asphalt; Odor Observed
55		3				Medium to		0.00 10 1 1110 010		
2-		2	1.0'/2.0'			The second second	ff, Damp to Wet, Brow	vn/Grev Mottled	Clavey Silt.	Odor Observed
		2	1				ledium to Fine Gravel			
3-		3	 	·		Plasticity				
		4					ff, Damp to Wet, Brow	vn/Grev Mottled	Clayev Silt.	
4		2	1.0'/2.0'	·			Sand, Trace (-) Fine			
		2	1			COUNCY-REAL PROPERTY.	me as Above		12.6	1
5-		2				1	1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			
		2								
6-			2.0'/2.0'			6 0'-7 2' Sa	me as Above			
		W.O.H.	2.072.0				ft, Saturated, Brown,	Medium to Fine	Sand Little	Occasional Lenses of Claye
7-							Trace Fine Gravel, L		ouria, Entiro	Silt
		1				0.0,0,0,	, -	,		
8-						End Boring	@ 8.0' bgs; Drillers n	noved laterally th	nen redrilled to	
		_	1				extent of the Clayey			
9-							and the Clayey Silt int			
		_	1				The second secon			
10						1				
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	E A R T H)	н			Monito	ring Well Boring	Log	M. Well I	No.: MW (27)
PROJE	CT: Freeman's	Bridge PC)I				PROJECT No.: 83060.0	2	ET GEOLOGIS	T: Lucas Benedict
	ACTOR: Geolo						DRILLER: Joe Menzel,	ludson Powell	PAGE: 1 of 1	DATE: 4/27/05
ORING	LOCATION:S	outheast c	orner of bui	ildina: 1	Near ov	erhead door	SITE LOCATION: Glen	Anglieralibid Claimain	MANAGER WASHING	ELEVATION: NA
37.0/2005.	WATER LEVEL		T	31		RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	F		CME 45C	Hollow Stern Auger	Split Spoon	1	
NA			I.D.				4.25"	2"	-	
		-	WEIG	_	-		4.20	140#	1	
		_	FAL		-			30"		
Depth	Penetrometer	Blows	Recovery		Temp.			30		
(ft) bgs	(T/ft²;KG/cm²)	per/6"	(feet)	(ppm)		,	SAMPLE DESCRIPTION	AND STRATUM CHAI	NGES	REMARKS
(it) ogo	(I/IL,KG/GIL)	pei/o	(iddi)	(ppiii)	(F)	0.0'-0.5' Me	edium Stiff, Moist, Bro	wn/Dark Grey Co	parse to Fine	2" Pieces of Asphalt at botto
0	1.25@0.25	12	1.4'/2.0'				Clay and Silt, Little			of the 0.0-0.5 interval
154	1.0@1.0	8	1.472.0							A 0.1' interval from 0.11'-0.12
1	<0.5@1.2	7	·				nd Silt, Little Coarse		to i inc Gravei	bgs of a micaceous, vesicula
	1.25@1.3	5	1				ft, Moist, Black, Medi		Some Clay	substance with conchoidal fracture. Interpreted as resin
2-		3	1.31/2.01			and Silt	, oracin mou	and old to		some kind.
		3	1			1.3'-1.4' Me	edium Stiff, Moist, Bro	wn, Medium to Fi	ne Sand	1.2'-1.3': Odor Observed;
3		3				1	ose, Damp, Brown, (Rubber Gasket found
		3	1				Fine Gravel, Trace Cl			2.0'-2.2' Asphalt Pieces;
4	<0.5@4.6'	1	1.0'/2.0'			1	ft, Damp, Black/Whit	1	to Fine Sand.	Interpreted as Sluff
	1.0@4.9	2	1				and Silt, Little Coars			2.2'-3.3' Strong Odor, White
5		2				4.0'-4.4' Sa	me as above, Becom	nes more compete	nt with depth	mottling is Clay/Silt sized
-		1	1 1				ry Soft/ Loose, Wet,			4.0'-4.4' Interpreted as Sluff
6	1.0@6.8'	2	1.6'/2.0'				ine Gravel, Trace Cl			6.0'-6.6' Interpreted as Sluff
		1				4.7'-4.8' Loc	ose, Moist, C&D, brid	k		
7-	1.0@7.4'	2					ft, Damp, Dark Brown		vev Silt.	
		1	1 1				High Plasticity			
8	1.0@8.7'	2	1.0'/1.0'			6.0'-6.6' Loc	ose, Wet, Brown, Co	arse to Fine Grave	el	8.0'-8.4' Interpreted as Sluff
		2					ft, Damp, Dark Brown			8.4'-9.0' Becomes more
9-		1	1.51/2.01				ft, Damp to Wet, Dar			competent with depth
		1				Little Clay a			- M. D. C. Volley, and C. S. C	9.0'-9.5' Interpreted as Sluff
10		W.O.H.				8.0'-8.4' Loc	ose, Wet, Dark Brow	n/Grey, Coarse to	Fine Gravel,	
		1	1			and Clayey	Silt, Trace Coarse to	Fine Sand		
11						8.4'-9.0' So	ft, Moist to Damp, Da	rk Grey/ Dark Bro	wn, Clayey Silt	
			1				1020			
2						9.0'-9.5' Loc	ose, Wet, Dark Brow	n, Coarse to Fine	Gravel, and	
2			1			Clayey Silt,	Trace Coarse to Fin	e Sand		
3						Page 1	oft, Wet to Saturated	, Dark Brown/Dark	k Grey, Fine	
14—						Sand				1
5—										
		2011/00/00/00/00			per restore		@ 11.0' bgs. Drillers	auger to 10.0' bg	s. Clayey Silt	
16—						interval was	s screened.			
		even Antelo								
17—	************									
8-										
		200.10444 pt (NCDS)			or the Contract					
9-										
20—										
-										
21 —										
		ecernic out		0.000.000	No. of the last					
22										
										1

)	*			Monito	ring Well Boring	Log	M. Well h	lo.: MW (28)
PROJE	CT: Freeman's	Bridge PD)I				PROJECT No.: 83060.0	2	ET GEOLOGIST	: Lucas Benedict
	ACTOR: Geolog						DRILLER: Joe Menzel, J	udson Powell	PAGE: 1 of 1	DATE: 4/27/05
	LOCATION:No		omer of bui	Idina: 1	Near ov	erhead door	SITE LOCATION: Gleny	rille. New York	16,057,5150,000	ELEVATION: NA
	WATER LEVEL		T	- 31	I	RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	F	-	CME 45C	Hollow Stem Auger	Split Spoon	+	
NA	DEFIN	TIVIL	I.D.			OINL 100	4.25*	2"		
14/4			WEIG		-		4.20	100000	+	
			FAL		-			140#		
		-	-	_	-			30"		
Depth (ft) bas	Penetrometer (T/ft²;KG/cm²)	Blows per/6"	Recovery (feet)	PID (ppm)	Temp.		SAMPLE DESCRIPTION A	AND STRATUM CHA	NGES	REMARKS
	(moioni)	pone	(iooi)	(ppm)	(.,	0.0'-0.7' Lo	ose, Moist, Black with	Brown pockets.	Coarse to Fine	Asphalt Surface and Subase
0	2.25@0.5'	32	1.51/2.01				me Coarse to Fine Sa	The state of the s		Material
	2.20@0.0	15	1.072.0				ose, Moist, Light Gre			Limestone fill and other subas
1		9					nd, Trace Silt and Cla		Olavel, Couloc	Material
-	1		-			Consecution consecution	me as Above	,		2.0'-2.8' Interpreted as Sluff
2-		88	0.81/0.01			Autor carrier contra	ose/Medium Stiff, Mo	iet Dark Grove C	paren to Fina	4.0'-4.5' Interpreted as Sluff;
		8	0.8'/2.0'			The state of the s	ose/Medium Stiff, Mo me Clay and Silt, Tra	management of the second of th		Material is mostly loose with
3		12					a trace and a trac			Cohesive portions
		7					ff, Moist to Damp, Bro	own/Grey Mottled	i, Clay, Trace	4 El E 01 Odes Obsessed Dis-
4 —		3					I, High Plasticity		2 1023	4.5'-5.9' Odor Observed; Blac Sticky Substance observed at
	1.75	2	1.9'/2.0'				ose/Medium Stiff, Mo			5.0' bgs
5	1.5	2					me Clay and Silt, Trac			
*	1.75	3					ff, Moist to Damp, Bro	own/Grey Mottled	i, Clay, Trace	6.0'-6.5' Interpreted as Sluff; Material is mostly loose with
6	1.75	3	l			Fine Grave	I, High Plasticity			Cohesive portions
0-	1.25	4	1.91/2.01		-		ose/Medium Stiff, Mo			
, '	1.0	4				Gravel, Sor	me Clay and Silt, Trad	ce Fine Sand, No	n-plastic	8.0'-8.5' Interpreted as Sluff;
7	1.5	3	ļ			8.5'-8.9' Sti	ff, Moist to Damp, Bro	own/Grey Mottled	d, Clay, Trace	Interpreted as Sluff; Material is mostly loose with Cohesive
_ 1	1.25	2	1			Fine Grave	I, High Plasticity			portions; Moisture increased
8	2.25	2	1.91/2.01			10.0'-10.5'	Very Soft, Saturated,	Dark Brown, Cla	y and Silt,	with depth
. 1	1.5	2					se to Fine Gravel			10.0'-10.5' Interpreted as Sluf
9	1.25	2				10.5'-11.8'	Very Soft, Saturated,	Dark Grev/Brow	n Mottled, Clav	Interpreted as Sluff; Material i
-	1.5	2	1				,			mostly loose with Cohesive portions
0-			1.8'/2.0'			12 0'-12 3'	Loose/Medium Stiff, I	Moist Dark Grev	Coarse to Fine	\$0100000000
-	<0.5	4	1.072.0				me Clay and Silt, Tra			
1-		WOU				The second secon	Stiff, Moist to Damp,		THE PARTY OF THE P	
4		W.O.H					I, High Plasticity	Drown orey wou	icu, Olay, Trace	
2-		1	4 01/0 01			HAND DOWN VERSION		de Carre Carres	to Fine Crount	Fill Material; Possibly from
	1.5	12	1.9'/2.0'				Loose, Wet, Grey/Da			below prexisting underground
3—	1.0	24					Loose, Saturated, Da se to Fine Gravel	ik Grey, Coarse	to rine Sand,	storage tank
	<0.5	24				Little Coars	e to Fine Graver			
4		12								
						F/ 5	0.4400			
5							@ 14.0' bgs. Drillers		gs, apply 2.0' of	
						sand. Clay/	Clayey Silt interval w	as screened.		
6										
510										
7—										
					The state of the s					
8]				
~										
0.		respond to return		.c.men						
9										
1										
20 —			ļ			1				
			4		1	I				I.
21 —										
1 —										

	1 A A T A 🗑	T E 6	. *			Geotechnical Boring	J Log	Boring No.:	OB (2)
PROJE	CT: Freeman's	Bridge F	PDI		111111111111111111111111111111111111111	PROJECT No.: 8306	30.02	ET GEOLOGIST: Luca	s Benedict
CONTR	ACTOR: Geolog	gic, Inc.			-	DRILLER: Joe Menz	el, Judson Powell	PAGE: 1 of 2	DATE: 4/26/05
ORING	LOCATION: N	orhtwes	t Corner of	Gravel	Paved s	urface SITE LOCATION: G	lenville, New York	SURFACE ELEVA	ATION: NA
V	VATER LEVELS	3				RIG CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	E		CME 45C Hollow Stern Auge	r Split Spoon		
NA			I.D.	_		3.25**	2"		
			WEIG	нт			140#		
			FAL	L			30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp.				
(ft) bgs	(T/ft ² ;KG/cm ²)	per/6"	(feet)	(ppm)	(°F)	SAMPLE DESCRI	PTION AND STRATUM	CHANGES	REMARKS
127	(,		1	417	1.7				
0		10	1.0'/2.0'			0.0'-0.2' Loose, Moist, Grey/E	Brown, Coarse to Fir	ne Gravel, Little	Asphalt Surface and
		8				Coarse to Fine Sand			Subase Material
1-		9				0.2'-0.6' Soft, Moist, Brown, C	Coarse to Fine Sand	. Some Coarse to	
		7				Fine Gravel			
2—		9	0.2'/2.0'			0.6'-0.7' Loose, Moist, Black,	Coarse to Fine Gra	vel	Asphalt
20		12				0.7'-1.0' Loose, Moist, Brown			Fill Material
3—		5				Medium to Fine Sand, Trace			
		3				2.0'-2.2' Loose, Dry, Grey/Lig		Fine Gravel	Sluff, Fill Material
4		3	0.1'/2.0'			4.0'-4.1' Loose, Dry, Grey/Lig	The state of the s		Sluff; 2 pieces of Grav
		2							Fill Material
5		3							
	1	3							
6		4	2.0'/2.0'			6.0'-6.4' Medium-Stiff, Moist,	Black, Clavey Silt, 7	race Fine Sand.	
	1.25	2	2.0,2.0			Trace Fine Gravel			6.0'-6.6' Interpreted as
7—		3				6.4'-6.6' Loose, Moist, Grey,	Coarse to Fine Grav	rel. Coarse to Fine	Sluff, Strong odor from 6.0'-6.4'
	0.5	3				Sand, Trace (-) Silt and Clay		-1	0.0-0.4
8		1	1.8'/2.0'			6.6'-8.0' Soft, Moist, Brown/G	rev Mottled, Clavev	Silt	
		1	1.072.0			8.0'-8.2' Loose, Moist, Grey/E			Interpreted as Sluff
9	0.75@9.0'	2				Medium to Fine Sand, Trace			
	0.10@0.0	2				8.2'-9.8' Soft, Moist, Grey/Bro	wn Mottled, Clavev	Silt	
0-		1	1.2'/2.0'			10.0'-10.4' Same as Above			Interpreted as Sluff
	<0.5@10.9	2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			10.4'-10.5' Loose, Moist, Coa	rse to Fine Sand, T	race Coarse to Fine	
1	0.000 10.0	1				Gravel			
		6				10.5'-11.2' Very Soft, Wet, Da	ark Grev. Clav		
2	1.0	1	1.7'/2.0'			12.0'-12.9' Stiff, Wet, Brown/		y Silt, Trace Fine	Interpreted as Sluff
		2	234540-0-0-0-0			Gravel	•	Made-445 - Allemanes Achardos	
3	<0.5	1				12.9'-13.7' Very Soft, Saturat	ed, Dark Grey, Coal	rse to Fine Sand,	
		3				Trace (-) Coarse and Fine Gr			
4		2	1.9'/2.0'			14.0'-14.9' Very Soft, Saturat	ed, Dark Brown/Gre	y, Coarse to Fine	
		14	manufati Mar			Sand, Trace Medium to Fine		49.	
5		14				14.9'-15.9' Loose, Wet, Brow	n, Coarse to Fine S	and, Some Coarse to	
		8				Fine Gravel	and the second s	The second secon	Drillers noted that the
6					*****				interval from 14.0'-18.0 bgs was "Crunchy"
7									
7—									
8									
,									
9									
		.,							
20 —	<0.5	5	1.41/2.0			20.0'-20.6' Very Soft, Saturat	ed, Dark Grey, Coa	rse to Fine Sand,	
		5				Trace Medium to Fine Gravel		The second term of the state of	
	<0.5	0							I
21 —	<0.5	5				20.6'-21.4' Soft, Wet, Tan/Lig	ht Brown, Coarse to	Fine Sand	

	🗑		*			Geote	chnical Boring L	og	Boring No.: D	B (2
PROJEC	CT: Freeman's	Bridge F	PDI		-		PROJECT No.: 83060.02	2	ET GEOLOGIST: Lucas	Benedict
	ACTOR: Geolog				_		DRILLER: Joe Menzel, J		PAGE: 2 of 2	DATE: 4/26/05
	LOCATION: N	2000 1000	t Corner of	Gravel F	Paved s	surface	SITE LOCATION: Glenv	rille, New York	SURFACE ELEVA	
	VATER LEVELS	-				RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	E		CME 45C	Hollow Stem Auger	Split Spoon		
NA	2-23-62-6		I.D.				3.25"	2"		
7/40-47			WEIG					140#	1	
			FAL				+	30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp.					
Spring that he had	(T/ft ² ;KG/cm ²)	THE PROPERTY OF THE	(feet)	(ppm)	(°F)		SAMPLE DESCRIPTION	ON AND STRATUM	CHANGES	REMARKS
	(The ,KGrain)	perro	(ICCI)	(ppin)	()					
22 —	***********					1				
		-		l j						
23 —						1				
24 —						1				
-										
25 —	<0.5	6	1.6'/2.0'			25 0'-26 6'	Soft Saturated Black	Coarse to Fine	Sand, Some Coarse	
	-0.0	12	1.072.0			to Fine Gra		, 000,00 10 1 1110	Jane, John Odaide	
26 —		17				1	normal.			
-		15								
27 —		15				-				
>										
28 —						1				
-		-								
29 —						1				
30	<0.5	40	1.2'/2.0'			30 0' 30 7'	Soft, Saturated, Brow	n Coarse to Fin	e Sand	
-	<0.0	12	1.2/2.0				Soft, Wet, Black, Coa			
31						Fine Grave		ise to rine sand	1, Some Coarse to	
-		10				I mo oravo				
32		10				-				
-		_								
33 —						-				
-										
34 —						1				
35 —		12	2.0'/2.0'			36 0'-36 2'	Soft, Saturated, Brow	n Coarse to Fin	e Sand	
-		14	2.072.0						d, Little Coarse to Fine	
36 —		18				Gravel	Ook, Frei, Didon, Out		, and Journa to I life	
-		17								
37 —						1				
-	E.									
38	************	******				1				
-										
39 —						1				
1										
40 —		15	1.9'/2.0'			40 0'-41 0'	Same as Above			
-		15 6	1.872.0			10.0-41.9	odine as Above			
41 —						1				
		8								
42		10				1				
-										
43 —						-				
				n V						1
				0.00						

		,				0001001	hnical Boring L	og	Boring No.:	DB (3)
PROJEC	CT: Freeman's	Bridge PD	I			P	ROJECT No.: 83060.02		ET GEOLOGIST: Lucas	s Benedict
ONTR	ACTOR: Geolog	gic, Inc.				D	RILLER: Joe Menzel, Jo	udson Powell	PAGE: 1 of 1	DATE: 4/28/05
ORING	LOCATION: A	pprox. 300	"West of bu	uilding	along	roadway S	ITE LOCATION: Glenv	ile, New York	SURFACE ELEVA	TION: NA
	WATER LEVEL	.s				RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYPE	=		CME 45C	Hollow Stem Auger	Split Spoon		
NA			I.D.				3.25*	2"		
			WEIGH	-IT				140#		
			FALL					30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp).	SAMPLE DESCRIPTION	N AND STRATUM C	CHANGES	REMARKS
ft) bgs	(T/ft ² ;KG/cm ²)	per/6*	(feet)	(ppm)	(°F)		Oranii EE DEGGIIII 110			13277 1130
0 —										
	2.5	- 6	1.4'/2.0'					se to Fine Sand,	Some (+) Medium to	Some Roots
1	2.0	9				-	Frace Clay and Silt	o. o		
-	>4.5	9					Moist, Dark Brown,		s Coarse to Fine	
2	4.05	6	4 01/0 01				Medium to Fine Gra			Hard Resin or Dried
-	1.25 1.25	4	1.31/2.01				Stiff-Hard, Red/Blu		wn, Clayey Silt, Trace	Paint; Strong Odor
3 ——	1.25	3				Medium to Fir		k Grey/Dark Brot	wii, Glayey Siit, Trace	2.0'-2.6' Wood Cinder
-	<0.5	3				TENDER TOUR STATES OF	um Stiff, Moist, Dar	k Brown Clavey	Silt	at Bottom of interval
4	<0.5	2	2.0'/2.0'			-	Soft, Wet, Brown, I			
-	1.25	3	2.072.0				Moist to Damp, Da			Interpreted as Sluff
5	<0.5	2					Soft, Wet, Brown, I			
-	0.0	2					um Stiff, Moist to D			
5	<0.5		2.0'/2.0'			-	Soft, Wet, Brown/T		and the state of t	5.2'-5.6' Becomes So
		1				Less Clay and				/ Moisture Increases
7		1				6.0'-6.4' Loose	e, Moist, Brown/Re	d, Medium to Fin	e Sand, Some	with Depth
		1				Medium to Fin	ne Gravel, Less (+)	Clay and Silt		6.0'-6.4' Interpreted as
8	2.25	W.O.H.	1.91/2.01			6.4'-6.5' Soft,	Moist to Damp, Bro	wn/Tan/Grey Mo	ottled, Clayey Silt	Sluff
9		W.O.H.					Soft, Wet, Brown/T	an Mottled, Medi	ium to Fine Sand,	
9		2				Less Clay and				
o		1						ted, Black/Dark	Grey, Medium to Fine	
_	0.5	W.O.H.	2.01/2.01			Sand, Less Cl	A STATE OF THE PARTY OF THE PAR			
1 —		W.O.H.					Moist, Brown with t	네가지 뭐니 보니 되었다니까지 빨리 하네까지?		Interpreted as Sluff
_		W.O.H.					Soft, Wet, Brown, I	Medium to Fine S	Sand, Less Clay and	
2		W.O.H.				Silt			F: 0	
-						Clay and Silt	Wet to Saturated, I	Brown, Medium to	o Fine Sand, Less	
3						-	ft Maist to Dame I	Proup/Crowlwith	bits of Red, Clayey	Interpreted as Sluff
-						and the state of t	lium to Fine Sand	blowin/Grey/with	bits of Red, Clayey	Interpreted do Olon
4 —						The state of the s		rated Dark Brow	wn, Medium to Fine	
-						Sand, Less Cl		actou, Dark Dio	m, modium to i me	1
5 —		8	2.0'/2.0'			Description Towns of the state	and the second s	rated, Dark Gre	y/Dark Brown, Coarse	Interpreted as Sluff
. 1		31					Less Medium to Fi			Glacial Till; Interval of
6		63				1				Cobbles from 16.7'-16 bgs
, -		66				15.6'-17.0' Ve	ry Stiff-Hard, Dry, I	Dark Grey/Black,	Clay and Silt	093
7-							•			
8—	Language and the second									
-										
9										
_		21	2.01/2.01	100000000000000000000000000000000000000		The property of the state of th	ose, Moist to Wet,			Interpreted as Sluff
0—		41				The property of the party of th	ry Stiff-Hard, Dry, I	ark Grey/Black,	Clay and Silt, Trace	Glacial Till
		44				Fine Gravel				
1 —		52								
			- ABOUTTOOLS			1				1
_						1				

	EARTH 🗑	T B G	N			Geote	chnical Boring L	og	Boring No.:	OB (3B
ROJE	CT: Freeman's	Bridge F	PDI		-	VV	PROJECT No.: 83060.0	2	ET GEOLOGIST: Luca	is Benedict
	ACTOR: Geolog	CONTRACTO					DRILLER: Joe Menzel, J	ludson Powell	PAGE: 1 of 2	DATE: 4/28/05
ORING	LOCATION: ~	100-150	' West of bu	ilding a	long ro	adway	SITE LOCATION: Glenv	ville, New York	SURFACE ELEV	
-	VATER LEVELS			-		RIG	CASING	SAMPLER	CORE	TUBE
ATE	DEPTH	TIME	TYP	E		CME 45C	Hollow Stem Auger	Split Spoon		V/ZMTGANT
NA			I.D.				3.25"	2"		1-1-12-11-
			WEIG	HT				140#		
			FAL					30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp.		CAMPLE DESCRIPTION	ON AND CEDATION	CHANCES	DEMARKS
ft) bgs	(T/ft ² ;KG/cm ²)	per/6"	(feet)	(ppm)	(°F)		SAMPLE DESCRIPTION	ON AND STRATUM	CHANGES	REMARKS
)—		12150 B Projection 1	at 0.10 (200 (200 (200 (200 (200 (200 (200 (2	080709000	6-58661Vm					
,—						1				
,										
est the tra						1				
2						1				
		AND THE PROPERTY OF	. Oversternoamene							
-						1				
						1				
(e										
-	1.25	1	2.0'/2.0'			5.0'-5.5' Me	dium Stiff (1.25), Mo	ist, Dark Brown/E	Black/Dark Grey,	Interpreted as Sluff
-	1.0	2					Some Coarse to Fin			
i—		1				5.5'-6.0' Me	dium Stiff (1.0), Mois	t to Damp, Brow	n/Grey Mottled.	
	<0.5	2				Clayey Silt			NV TONISCO	
-						6.0'-7.0' Sof	ft (<0.5), Wet, Brown	, Medium to Fine	(+) Sand, Trace	Pockets of Clayey Si
-						Clayey Silt	N E		3 4	
-	1.25					8.0'-10.4' M	edium Stiff (1.25), W	et, Brown, Clay a	and silt, Little(-)	Interpreted as Sluff
. 1) NIGSTY /						ine Gravel, trace(-)			
9—										
. 1										
)—		W	2.0'/2.0'			10.4'-12.0' \	Very Soft(<0.5), Wet	to Saturated, Da	rk Brown, Medium to	Pockets of Stiff Claye
. 1		1					d, Trace Clayey Silt			Silt
1		1				1				
. 1	1	1								
2-						1				
, 1										
-						1				
		92050000								
53										
n.		2	2.0'/2.0'		Sec. 51, 12, 000	15.0'-15.9' 8	Same as above			Interpreted as Sluff
		2				15.9'-16.6' 8	Same as above			
		5								
,_		17				16.6'-17.0' 8	Soft, Wet to Saturate	d, Dark Brown/D	ark Grey, Coarse to	Cobbles found in sho
					05740057		Trace Coarse to Med			and in bottom 0.1'
		91	2.0'/2.0'	ores an exten		18.3'-19.8' 5	Same as Above			
_		10								
3.0		17								
		10			ģ	19.8'-20.3' L	oose, Wet, Dark Gre	ey, Coarse to Fin	e Gravel, Coarse to	
							Large Cobbles	2.5		
1							586			
- 1										

	E A R T X	N BIN	202.1 180e			Geore	chnical Boring L	og	Boring No.:	OB (3B
PROJE	CT: Freeman's	Bridge F	PDI				PROJECT No.: 83060.0	2	ET GEOLOGIST: Luci	as Benedict
CONTR	ACTOR: Geolog	gic, Inc.	38-491				DRILLER: Joe Menzel,	ludson Powell	PAGE: 1 of 2	DATE: 4/28/05
ORING	LOCATION: ~	100-150)' West of b	uilding a	along ro	adway	SITE LOCATION: Glen	ville, New York	SURFACE ELEV	ATION: NA
٧	VATER LEVELS	S				RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	PΕ		CME 45C	Hollow Stem Auger	Split Spoon		
NA			I.D				3.25"	2"		
			WEIG	HT				140#		
	20.00		FAL	L			NAME OF THE PARTY	30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp.		SAMPLE DESCRIPTION	ON AND STRATINA	CHANGES	REMARKS
(ft) bgs	(T/ft²;KG/cm²)	per/6"	(feet)	(ppm)	(°F)		SAMPLE DESCRIP IN	ON AND STRATOWN	DI IANGES	KEWAKKS
2				ļ <u>.</u>		-			:5:	
3						-				
775		-	-							
4						-				
			1							
5 —		55	1.2'/2.0'			25 0'-25 1'	Very Soft Saturated	Dark Grey Coar	se to Fine Sand, Little	Interpreted as Slu
55 .		37	1.2/2.0	1		Medium to	Fine Gravel, Trace C	lay and Silt	So to i me odilu, citti	
6—		26	1			3	Loose, Wet, Dark Gr	-	e Gravel. Coarse to	Large Cobbles
_		52				Fine Sand		,,		15
7 —		- 02				27.2'-27.4'	Same as Above; Ref	usal at 27.4'		
			i			PORPHOUSE SUPPLIESE N				Ţ.
8						1				
9						1				
^ -										Á
0						1				
1 —										
2—		enemana.		LE EUR						
3 —										
			TAS MADE NO. MADE NO.							
4										
6 1/4										
5										
15										
3						4				
73				1 0						
7 —										
12										
8						-				
1.5										
9						9				
19										
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1										
2.5										Į.
2						1				4
18										
3—						-				1
										1
4						1				

		T E 0	. m			Geoted	chnical Boring L	.og	Boring No.: D	B (4)
PROJEC	CT: Freeman's	Bridge F	PDI				PROJECT No.: 83060.0	02	ET GEOLOGIST: Lucas	Benedict
ONTR	ACTOR: Geolog	ic, Inc.		-	_		DRILLER: Joe Menzel,	Judson Poweil	PAGE: 1 of 2	DATE: 4/26/05
0.00	LOCATION: W		ner of Build	ing nea	r overhe	ead door	SITE LOCATION: Glen	ville, New York	SURFACE ELEVA	TION: NA
_	VATER LEVELS					RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	E		CME 45C	Hollow Stern Auger	Split Spoon		
NA		1000000	1.D.				3.25"	2"		
			WEIG	нт				140#	—	
,			FAL	L				30"		
Depth	Penetrometer	Blows	Recovery	PID	Temp.		OALIDI E DECCRIPTI	ON AND STRATINA	CUANCES	DEMARKS
ft) bgs	(T/ft ² ;KG/cm ²)	рег/6"	(feet)	(ppm)	(°F)		SAMPLE DESCRIPTI	ON AND STRATUM	CHANGES	REMARKS
0						0.2-0.6' Loo	se, Dry, Gray/ Light	Brown, Coarse to	Fine Gravel, Trace	Fill
0		11	1.4/2.0			Fine Sand				
		11				0.6-0.8' Loc	se, Moist, Red Brow	n, Coarse to Fine	e Gravel, Coarse to	
1		7				Fine Sand,	Trace Clay and Silt			
٠.		7				0.8-0.9' Loc	se, Moist, Black, Cla	ay & Silt, Little Me	edium Fine Sand,	-
2—		7	0.8/2.0			Trace Fine	Gravel			
3—	Accompany to the control of the	4			land Various Re	0.9-1.4' Med	dium Stiff, Moist, Bla	ck/Tan Mottled, (Clay & Silt(+), Some	Asphalt.; Cloth Materi
s—		2				Coarse to F	ine Gravel			
4		3				2.0-2.1' Sar	ne as Above			Sluff
-		2	0.8/2.0			2.1-2.4' Med	dium Stiff, Wet, Blac	k, Medium Fine S	Sand, Trace Fine	Odor Observed
5—		2				Gravel				
J —		4				2.4-2.7' Med	dium Stiff, Moist, Bla	ck/Tan Mottled, (Clay & Silt(+), Some	
6—		3				Coarse to F				
J .		2	1.4/2.0					rse to Fine Sand	, Some Coarse to Fine	
7—		2				Gravel, C&	D Brick			
		2							ine Sand, And Coarse	
8		2				to Fine Grav	vel, Trace Clay & Sil	t		
٠.		1	0.7/2.0					irse to Fine Sand	, Some Coarse to Fine	
9		1				Gravel, C&I	D Brick			Becomes more compotent(sp?) with
		1		10000000000000000000000000000000000000			y Soft, Wet, Dark G			Depth
0		1				The second second	se, Satruated, Black			
						NAMES OF TAXABLE PARTY.	dium Stiff, Wet, Brow		A CONTRACTOR OF THE PARTY OF TH	6.0-6.3 odor & sheen observed
1							t, Saturated, Dark G			15777 3785780 AN
2							y Soft, Saturated, B	ack/Dark Gray, C	coarse to Fine Sand,	7.0-7.4 Roots, wood pieces
2—						Coarse to F	ine Gravel, Brick			Bar are a second and
										8.0-8,7 Sluff
3—										
4						-				
-										
5			1.7/2.0			15 0-15 4' 1	oose, Saturated, Da	ark Brown Coarse	e to Fine Gravel	
		7	1.772.0				& Silt, Little Coarse			
6-		4								
. 1		4					ery Soft, Saturated, edium Gravel, C&D E		Glay, Glayey Sill,	
7 —									y, Medium Fine Sand,	
							& Silt, Trace(-) C&D		y, mediani i nie dana,	
8							Wood Debris	- A		Odor Observed
		-								
9						1				
	5									
0 —	0.5	9	2.0/2.0			20.0-22.0' \$	Soft, Wet, Dark Brow	n/Gray, Coarse t	o Fine Sand, Little	Lenses(sp?) of Claye
		9					Trace Coarse to Fin			Silt are very Soft <0.5
1-		14								
		16								
2						1				

	🗑	7 5 0	×			Geote	chnical Boring L	og	Boring No.:	DB (4
PROJEC	CT: Freeman's	Bridge F	PDI				PROJECT No.: 83060.02	2	ET GEOLOGIST: Luca	s Benedict
	ACTOR: Geolog						DRILLER: Joe Menzel, J	udson Powell	PAGE: 2 of 2	DATE: 4/26/05
ORING	LOCATION: W	est Cor	ner of Build	ing nea	r overhe	ead door	SITE LOCATION: Glenv	ille, New York	SURFACE ELEV	ATION: NA
W	ATER LEVELS	3				RIG	CASING	SAMPLER	CORE	TUBE
DATE	DEPTH	TIME	TYP	E		CME 45C	Hollow Stem Auger	Split Spoon		
NA			I.D.	5			3.25"	2"		
			WEIG	нт				140#		
			FAL	_				30"		
	Penetrometer (T/ft ² ;KG/cm ²)	Blows per/6"	Recovery	PID	Temp.		SAMPLE DESCRIPTION	N AND STRATUM	CHANGES	REMARKS
	(1/ft*;KG/cm*)	perio	(feet)	(ppm)	(°F)		····			
22—						1				
23—										
24 —						+				
_ 1		-								
5-		9	1.7/2.0				Soft, Wet, Dark Brown	/Gray, Coarse to	Fine Sand, Trace	Sluff from 25.0-
26—		5					Fine Gravel			25.8
.0-		3								
27—		6				_				
	AND THE PERSON NAMED OF A PARTY OF									
28						-				
+										
9-						1				
_ 1		-								
30—	***************************************	6	2.0/2.0					n, Coarse to Fine	Sand, Trace Coarse	
11—		6				to Fine Gra	ivel			
02.0		7								
32—		9				-				
+										
33						1				
, 1		-								
34—						1				
35—										
,,,		8	2.0/2.0			35.0-37.0'	Same as Above			
36—		5				-				
-		3								
37—		6				1				
1										
38-						1				
39—										
,5 —										
10-							a constitut care are en-			
-		4	2.0/2.0			40.0-41.7'	Same As Above			
1-		8				-				
-	1.25	9				41 7,42 01	Stiff, Damp to Wet, Da	ark Gray Clavey	Silt	
12-	1.25	11				1.7-42.0	oun, Danip to Wet, Do	ark Gray, Glayey	Oilt	
1										
3						1				
, 1										
4						1				1

ROJECT No. URFACE ELEVATION DATE TI 4/8/2005 9 4/8/2005 11 Sail Depth Num (ft) 1 2 TP-36	83060 FION: NA	PID/FID Readings (ppm) 0.0
DATE TI 4/8/2005 9 4/8/2005 11 Depth (ft) 1 2 TP-3(3 TP-3	WATEF TIME 9:17 11:45 ample umber	PID/FID Readings (ppm) 0.0
DATE TI 4/8/2005 9 4/8/2005 11 Sai Nui (ft)	WATER TIME 9:17 11:45 ample umber	PID/FID Readings (ppm) 0.0 15.0
DATE TI 4/8/2005 9 4/8/2005 11 Depth (ft) 1 2 TP-3(3 TP-3	TIME 9:17 11:45 ample umber	DEPTH 42" 34" PID/FID Readings (ppm) 0.0 15.0
4/8/2005 9 4/8/2005 11 Sai Depth Nui (ft) 1 2 TP-3(9:17 11:45 ample umber	42" 34" PID/FID Readings (ppm) 0.0 15.0
4/8/2005 111 Depth Num (ft) 1 2 TP-30 4 5	ample umber	34" PID/FID Readings (ppm) 0.0 15.0
2 TP-30 3 TP-3	ample umber	PID/FID Readings (ppm) 0.0 0.0
Depth Num (ft) 1 2 TP-30 3 TP-3	umber 36 (2-3)	Readings (ppm) 0.0 0.0 15.0 132
Depth Num (ft) 1 2 TP-30 3 TP-3	umber 36 (2-3)	Readings (ppm) 0.0 0.0 15.0 132
(ft)	36 (2-3)	(ppm) 0.0 0.0 15.0
1		0.0 0.0 15.0
3 TP-3		0.0 15.0
3 TP-3		15.0
3 TP-3		15.0
3 TP-3		15.0
3 TP-30		15.0
3 TP-30		132
3 TP-3		132
3 TP-3		132
4	-36-3-4	
4	-36-3-4	
4	-36-3-4	130
4—————————————————————————————————————	-36-3-4	130
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		0.00 to 0.78 min a series
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● Earth	ICCII			TEST	PIT LOG		Test Pit No.:	TP-37
PROJECT:	34 Freeman's B	ridge Road	Site	CONTRACTOR:	Hickory Hil	l Construction	PAGE	1 of 1
PROJECT N		1		Excavator:		er Keyes	DATE:	4/8/2005
	LEVATION: NA			SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
	WATER	LEVELS		Equipment:	John Deere 410D		A STATE OF THE STA	
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/8/2005	11:21	29"		TYPE				
				I.D.				
				WT./Fall				
	Sample	PID/FID					N	
Depth	Number	Readings		SAN	IPLE DESCRIPTION,	REMARKS, AND ST	RATUM CHANGES	
(ft)		(ppm)		- Control of France			-	
		0.0	0.0-1.0'	Fill Materials: (Gravel, cobbles, r	ip rap		
		0.3						
1			7,542.75		5' H 90 70 W	286		
	2 - 190 - 19				brown, clay & silt(+), coarse to fine	sand, some grave	l, trash, C&D
_			materials	s, brick				
_	1							
2				EJ 20 10 7.190	Was the showing	1727-123 V-21 - 1841-1800 A-2 1170-1174		
_	TP-37 (2-3)	0.1			ack, clay & silt(+),	, coarse(+) to fine	sand, litle gravel,	C&D material
10-			(<1%), ti		P. T. W. Lindson Company			
/v===			Ground	water 29" below	grade			
3								
· .								
2								
12								
4_								
192								
WE-								
5							100	
J								
9								
6	OFFICE/ANDERSON							
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	The state of the s							
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8	1							
-			1					
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	1 1							
Bee			1					
14 55-								
9—	_							
9——	-							
9——	-							
9	-							

PROJECT:	34 Freeman's Bri	dae Road C	ito	CONTRACTOR:	PIT LOG	II Construction	Test Pit No.:	TP-38
PROJECT N		uge Road S	ille	Excavator:		er Keyes	DATE:	4/7/2005
NAME OF TAXABLE PARTY	EVATION: NA			SITE LOCATION:		NA NA	ET GEOLOGIST:	L. Benedict
JOHN MOL L	WATER I	EVELS		Equipment:	John Deere 410D	N/A	12. 020200.0	2. 001100101
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/7/2005		36"		TYPE				
				I.D.				
				WT./Fall				
	Sample	PID/FID						
Depth	Number	Readings		SAME	PLE DESCRIPTION	, REMARKS, AND ST	TRATUM CHANGES	
(ft)		(ppm)	0.0.4.0	NACIA bassas ata	. 0 -:14/1)	-bbloo tonosil		
_	-		0.0-1.0	Moist, brown, cla	y & siit(+), iew p	peppies, topsoil		
			-					
_	1 1							
1	TP-38 (1-2A)		1015	Maint books als	0 a:lt/:) maadi	um(1) fine send	~~~~~ (TD 29 /1 2/	***
35	Community of the Community		1.0-1.5	Moist, Drown, Cla	y & slit(+), meal	um(+) fine sand,	gravel (TP-38 (1-2/	4))
9	TP-38 (1-2B)		1.5-2.0	Moist black clay	& silt(+) mediu	ım to fine sand a	ravel, (TP-38 (1-2B)))
2				4	2.1			
_	TP-38 (2-3)						arse to medium(+) s	sand, C&D
F			materials	s: bricks, concret	e blocks, metal	pipes		
7/20	-							
3			30 100	so damp to satu	rated black wo	od fragments rai	lroad ties, asphalt,	etrona odor
	1 1			able observed 3'		od fragilierits, rai	iroad ties, aspirait,	strong odor
-	 		vvalei i	able observed 5	below grade			
_	1 1							
4			1					
5								
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-								
-	- 1							
6			1					
3	1							
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7			1					
82.00	1							
8—								
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	<u> </u>							
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lech			TEST	PIT LOG		Test Pit No.:	TP-39
34 Freeman's B	ridge Road	Site	CONTRACTOR:	Hickory Hill	Construction	PAGE	1 of 1
83060			Excavator:	Luthe	r Keyes	DATE:	4/7/2005
EVATION: NA			SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
WATER	LEVELS		Equipment:	John Deere 410D	N/A		
TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
	3.5'		TYPE				
			WT./Fall				-
			0111015 5500	ADIDTION DEMANDE	**************	1411050	DELIA DIVE
Number			SAMPLE DESC	CRIPTION, REMARKS	S, AND STRATUM C	HANGES	REMARKS
		0.0-1.5'	nose moist h	rown clay & silt li	ttle/_\ aravel coh	hles tonsoil	
TP-39 (2-3)	0.1 0.1 0.1	3.0-3.5' N	blocks Moist, black, cla	ay & silt(+), mediur	m (+) fine sand		Apparent Sepi Field or nature swamp sedime little foul odor Water bubble up after encountering black interval
							1
	34 Freeman's B 83060 EVATION: NA WATER TIME Sample Number	34 Freeman's Bridge Road 83060 EVATION: NA WATER LEVELS TIME DEPTH 3.5' Sample PID/FID Number Readings (ppm) 0.1 TP-39 (2-3) 0.1 0.1	34 Freeman's Bridge Road Site 83060 EVATION: NA WATER LEVELS TIME DEPTH 3.5' Sample PID/FID Readings (ppm) 0.1 0.0-1.5' I TP-39 (2-3) 0.1 TP-39 (3-4) 0.1 3.0-3.5' I	34 Freeman's Bridge Road Site CONTRACTOR: 83060 Excavator: EVATION: NA SITE LOCATION WATER LEVELS Equipment: TIME DEPTH 3.5' TYPE I.D. WT./Fall Sample PID/FID Number Readings SAMPLE DESG (ppm) 0.1 0.0-1.5' Loose, moist, b TP-39 (2-3) 0.1 0.1 TP-39 (3-4) 0.1 3.0-3.5' Moist, black, classes	34 Freeman's Bridge Road Site CONTRACTOR: Hickory Hill 8 83060 Excavator: Luthe EVATION: NA SITE LOCATION: WATER LEVELS Equipment: John Deere 410D TIME DEPTH CASING 3.5' TYPE 1.D. WT./Fall Sample PID/FID Number Readings (ppm) 0.1 0.0-1.5' Loose, moist, brown, clay & silt, liconcrete blocks TP-39 (2-3) 0.1 0.1 3.0-3.5' Moist, black, clay & silt(+), medium	34 Freeman's Bridge Road Site CONTRACTOR: Hickory Hill Construction 83060 Excavator: Luther Keyes EVATION: NA SITE LOCATION: NA WATER LEVELS Equipment: John Deere 410D N/A TIME DEPTH CASING SAMPLER 3.5' TYPE LD. WT./Fall Sample PID/FID Number Readings (ppm) 0.1 0.0-1.5' Loose, moist, brown, clay & silt, little(-) gravel, cob 1.5-3.0' Brown to light brown, clay & silt, little(-) gravel, cob TP-39 (2-3) 0.1 0.1 0.1 3.0-3.5' Moist, black, clay & silt(+), medium (+) fine sand	34 Freeman's Bridge Road Site CONTRACTOR: Hickory Hill Construction PAGE 83060 Excavator: Luther Keyes DATE: EVATION: NA SITE LOCATION: NA ET GEOLOGIST: WATER LEVELS Equipment: John Deere 410D N/A TIME DEPTH CASING SAMPLER CORE 1.D. WT./Fall Sample PID/FID Readings (ppm) 0.1 0.0-1.5' Loose, moist, brown, clay & silt, little(-) gravel, cobbles, topsoil 1.5-3.0' Brown to light brown, clay & silt, little(-) gravel, C&D material: large concrete blocks TP-39 (2-3) 0.1 0.1 1.79-39 (3-4) 0.1 3.0-3.5' Moist, black, clay & silt(+), medium (+) fine sand

Earth'	ESA. Company			TEST	PIT LOG		Test Pit No.:	TP-40
ROJECT:	34 Freeman's	Bridge Roa	d Site	CONTRACTOR:	Hickory Hill	Construction	PAGE	1 of 1
ROJECT No	83060			Excavator:	Luther	Keyes	DATE:	4/7/2005
URFACE EI	EVATION: NA			SITE LOCATION:	N	A	ET GEOLOGIST:	L. Benedict
		LEVELS		Equipment	CONTRACTOR OF THE PARTY OF THE	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/7/2005		48"		TYPE				
				I.D. WT./Fall				
	Sample	PID/FID		VVI./Fall				
Depth	Number	Readings		SAMDI E DESC	CRIPTION, REMARKS	AND STRATIM	CHANGES	REMARKS
(ft)	Indiliber	(ppm)		Granii EE DEGG	JAN 11011, INCHESION	, AND OTTOTION	JINITOLO .	KLWAKKO
(ity		0.0	Moist to	damp, brown, si	Itev clav. medium	to fine(+) sand.	little gravel, top soil,	
				bricks, concrete		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1	TP-40 (1-2)	0.0	Brown, o	clay & silt(+), me	dium(+) to fine sar	nd, little gravel,	C&D fill: brick, solid	
=		0.0	tar or as	phalt material wi	th observed conce	oidal fractures		
2								
_	- 1	0.0						
-								
7	1 1							
3	TP-40 (3-4)	0.0	Black cl	av & silt(+) med	lium(+) to fine san	d little gravel C	&D material: bricks,	Organic Odo
-			concrete		morn() to mile out	a, mae graver, a	That on all priority,	observed
4	1							
-		0.0	Ground \	Water table obse	erved at 48"			
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Σ.								
-	1							
6								
N.	1 1							
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Earth	ICCII			TEST	PIT LOG		Test Pit No.:	TP-41
PROJECT:	34 Freeman's	Bridge Road	d Site	CONTRACTOR:		Construction	PAGE	1 of 1
PROJECT N				Excavator:		r Keyes	DATE:	4/6/2005
SURFACE E	LEVATION: NA			SITE LOCATION:		NA .	ET GEOLOGIST:	L. Benedict
	WATER	LEVELS		Equipment:	John Deere 410D	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/6/2005		5'		TYPE				
				I.D.				
			_	WT./Fall				
1200000	Sample	PID/FID						
Depth	Number	Readings		SAMPLE DES	CRIPTION, REMARKS	S, AND STRATUM	CHANGES	REMARKS
(ft)	TD 44/4 2\	(ppm) 0.5	Looso N	Agiet light brown	n, little medium to	fine ground tree	o/) cobbles	+
_	TP-41(1-2)	0.5	Loose, n	noist, light brown	i, little medium to	ilile graver, trac	e(-) copples	
	 	0.3	1					
_	1	0.0						
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_	1							
			1					
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_		HARDERNERU						
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4	TP-41 (4-5)	0.1	-					
-	119-41 (4-5)	0.1						
			1					
_	1 1							
5			Ground V	Water observed				
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ROJECT:	34 Freeman's	Bridge Ros	d Site	CONTRACTOR:	PIT LOG	Construction	Test Pit No.:	TP-42 1 of 1
ROJECT No		bridge Noa	u Sile	Excavator.		r Keyes	DATE:	4/6/2005
	EVATION: NA			SITE LOCATION		NA	ET GEOLOGIST:	L. Benedict
ON ACE E		LEVELS		Equipment:	John Deere 410D	N/A	ET GEGEGGIGT.	L. Deficulot
DATE	TIME	DEPTH		Equipment	CASING	SAMPLER	CORE	TUBE
4/6/2005	711112	7'		TYPE	5,10,110	O'min car.	331,12	1
				I.D.				
				WT./Fall				
	Sample	PID/FID						
Depth	Number	Readings		SA	MPLE DESCRIPTION	, REMARKS, AND S	TRATUM CHANGES	
(ft)		(ppm)						
		0.0			astic, tani/brown, o		coarse to fine	
			sand, litt	ie(-) meaium tir	ne gravel, trace co	bbles		
_	- 1							
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-	†							
2			1					
_	1							
	TP-42 (2-3)	0.0	2.5' Loo	se, moist, tan/b	rown, clayey silt,	coarse to fine sai	nd, little(-) gravel,	
_					undation stone, wo			
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	1							
St test			1					
4]							
-								
-								
5								
-								
-		0.0	55' 210	rge concrete blo	ocks observed			
-		0.0	0.0 Z lal	ige concrete bit	ocus onserved			
6								
8								
-	TP-42 (7)							
1:-			Water Ta	able Observed (@ 7.0ft			
51								
8								
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9								
5								
_	1 1							
_								

© Earth	Tech			TEST	PIT LOG		Test Pit No.:	TP-43
PROJECT:	34 Freeman's Br	idge Road (Site	CONTRACTOR:	VAW9935 35-83	Construction	PAGE	1 of 1
PROJECT N			one	Excavator:		r Keyes	DATE:	4/5/2005
	LEVATION: NA			SITE LOCATION		NA	ET GEOLOGIST	
JOH! AOL L	WATER	LEVELS		Equipment:	John Deere 410D		ILT OLOCOGIO	. L. Deriodict
DATE	TIME	DEPTH		Equipment	CASING	SAMPLER	CORE	TUBE
4/5/2005	1.00	68"		TYPE	O/ (SINO	O WIII EEIX	JOILE	1002
4/0/2000		- 00		1.D.				
				WT./Fall				
	Sample	PID/FID		1				
Depth	Number	Readings		SAMPLE DESC	RIPTION, REMARKS,	AND STRATUM CH	ANGES	REMARKS
(ft)	Italibei	(ppm)		OF WIN EL DEGO	ALL FIGH, ALMERICA	, and a manifold of	W.11023	TILITUTE.
(it)		0.0	0.0-1.5	Loose moist to	opsoil and roots	TALLES		
-		0.0	0.0 1.0	Loode, moiot, to	opeon and reete			Metal scraps up t
8		0.0						2' long; 2' long
-	1	0.0						cinder blocks;
1	 	0.0	1					abundant boulder
15	1	1,54,5						exceeding 10' lon glass shreds
	TP-43 (1-2)	0.0	1 5-4 5'1	Loose moist re	ed brown, coarse t	o fine sand abu	ndant nebbles	glass silleus
_	1	72595,7725			(50-70%): wood f			
2		0.0		locks, concrete				
). 	1	Netters	1 TO 1 TO 1 TO 1 TO 1					
		0.0	1					
_		NESCENI						Pit Dimensions:
3		0.0	1					2'W x 15'L x 5.6'
		A SERVICE						
-		0.0	1					
_		E SERVERS						
4		0.0	1					
5		0.0						
5								
J	TP-43 (6.0)	0.0	5.0-5.5' 1	Loose, moist to	damp, brown/dark	c brown, C&D fill		
V	TP-43 (5-6)							
9		0.0	68" Wate	er table observe	ed			
6]							
1								
7								
-		RC NO CONTROL OF THE						1
			1					
0		Contractor (Contractor)						
8								
_	_	0.0000						
9								
_								
9	ļ							
	4							
								
-	1							
10	ļ		1					

● Earth	Tech			TEST	PIT LOG		Test Pit No.:	TP-44
PROJECT:	34 Freeman's E	Bridge Road	Site	CONTRACTOR:	Hickory Hill	Construction	PAGE	1 of 1
PROJECT N	o. 83060			Excavator:	Luthe	r Keyes	DATE:	4/5/2005
SURFACE E	LEVATION: NA			SITE LOCATION:		NA	ET GEOLOGIST:	L. Benedict
	WATER	LEVELS		Equipment:	John Deere 410D	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/5/2005		64"		TYPE				
				I.D.				
	-		_	WT./Fall				
Depth	Sample Number	PID/FID Readings		SAMPLE DESC	RIPTION, REMARKS	AND STRATUM CH	IANGES	REMARKS
(ft)		(ppm)			psoil and roots			
1—	TP-44 (1-2)	0.0			eddish brown to br ks, metal scraps	own, coarse to fi	ne sand, C&D fill	C&D fill in both th horizons equal 50 70% fill
2—]							
	TP-44 (2-3)	0.0						
Q <u></u>								
100	- 1							
3	TD 44 (2.4)	0.0	00501			ich beeren	to 6 and	
7	TP-44 (3-4)	0.0			ark brown/gray/gre fill materials, larg			
-	 		abundan	it pebbles, oab	illi materiais, larg	e boulders, meta	Тэсгарэ	
	1							Pit Dimensions:
4	1		1					4' W x 15'L x 64"D
_								
5								
=	+5 44 /5 %	0.0	0.411.14.1					
3	TP-44 (5-6)	0.0	A STATE OF THE PARTY OF	er Table observ				
-	- 1		No snee	n or apparent in	npacts observed			
6			1					
_	1							
-								
7								
7			1					
8								
	-							
0	1							
9	 							
8) 	1							
10	1							
10	1							

A (be intended	of Its. Company		-		PIT LOG		Test Pit No.:	TP-45
PROJECT:	34 Freeman's E		Site	CONTRACTOR:		Construction	PAGE	1 of 1
PROJECT N				Excavator:		Keyes	DATE:	4/5/2005
SURFACE E	LEVATION: NA			SITE LOCATION:		IA	ET GEOLOGIST	: L. Benedict
		LEVELS		Equipment		N/A		
DATE	TIME	DEPTH		7.05	CASING	SAMPLER	CORE	TUBE
4/5/2005	4:10pm	6'		TYPE			-	
				I.D. WT./Fall			-	
	Sample	PID/FID		VV1.77 Gil				+
Depth	Number	Readings		SAMPLE DESC	RIPTION, REMARKS,	AND STRATUM CH	ANGES	REMARKS
(ft)	Number	(ppm)		GAINII EE DEGG	itti 11014, ItEMPITTO,	AND OTTOTION OF	PHOLO	TALIFUTO
(14)		0.0	0.0-1.0' [Loose, moist, to	psoil & roots			
1——	TP-45 (1-2)	0.0	pebbles,	C&D materials	reenish gray, coars , Asphalt pieces ex rownish gray to gre	ceeding 3.5' in	width	Large chunks of asphalt observe 1ft below grade Appeared to have been dumped in
	-			C&D fill materia		on gray, abana	ant pobbloo,	while still hot.
	TP-45 (2-3)	0.3					42	Sizes up to 3.5
3—		800						wide
4—————————————————————————————————————	TP-45 (5-6)		6' Water	table observed	, no sheen observ	ed		Pit Dimensions: 4'W x 15'L x 6'D
9——	-							

© EarthT	ech			TEST	PIT LOG		Test Pit No.:	TP-46
PROJECT:	34 Freeman's E	Bridge Road	Site	CONTRACTOR:	Hickory Hill	Construction	PAGE	1 of 1
PROJECT No	83060			Excavator:	Luthe	r Keyes	DATE:	4/6/2005
SURFACE EL	EVATION: NA			SITE LOCATION		NA	ET GEOLOGIST:	T. Heath
	WATER	LEVELS		Equipment:	John Deere 410D	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/6/2005	8:10am	7.5'		TYPE			A	
				I,D,				
				WT./Fall				
Depth (ft)	Sample Number	PID/FID Readings (ppm)	0.0.4.00		CRIPTION, REMARKS	, AND STRATUM CH	ANGES	REMARKS
1—		0.0		Loose, moist, to	opsoil layey silt, coarse to	o fine sand, clear	ı fill	
2——					rown, clayey silt, c 5% fill: brick, meta			
3——	TP-46 (3-4)							
4								
5——								
6——								
7—	TP-46 (7.5)	3.2						
8—8	17-40 (7.3)	5.2	7.5' Wate	er table observ	ed and steady, En	d Test Pit		
9—								
10								

Earth	IECU			TEST	PIT LOG		Test Pit No.:	TP-47
PROJECT:	34 Freeman's E	Bridge Road	Site	CONTRACTOR:		Construction	PAGE	1 of 1
ROJECT N				Excavator:		r Keyes	DATE:	4/6/2005
	LEVATION: NA			SITE LOCATION		NA	ET GEOLOGIST:	
		LEVELS		Equipment	John Deere 410D		1	
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/6/2005	10:30am	6.5'		TYPE	0.10.110	S and delty		1
HOILOGO	10.000111			I.D.				
				WT./Fall				
	Sample	PID/FID						
Depth (ft)	Number	Readings (ppm)		SAMPLE DESC	CRIPTION, REMARKS	, AND STRATUM C	HANGES	REMARKS
1—————————————————————————————————————	TP-47 (2-3)	0.0	1.5-2.5' l gravel, C 2.5-6.5' l trace(-) c	Loose, moist, c &D trace(+) 59 Loose, moist, b	oarse medium(+) f %, larger than 6" co rown, clayey silt, s C&D: wood, metal,	ine sand, little cloncrete	ayey silt, trace	
5——	-	0.0						
7—————————————————————————————————————	TP-47 (6.5)	0.2	6.5' Wate	er table observe	ed			

Earth'	d lbt. Company			TEST	PIT LOG		Test Pit No.:	TP-48
PROJECT:	34 Freeman's E	ridge Road	Site	CONTRACTOR:	Hickory Hill	Construction	PAGE	1 of 1
ROJECT N	o. 83060			Excavator:	Luthe	r Keyes	DATE:	4/6/2005
SURFACE E	LEVATION: NA			SITE LOCATION:	1	NA	ET GEOLOGIST	L. Benedict
	WATER	LEVELS		Equipment:	John Deere 410D	N/A		
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/6/2005	2:48pm	7'		TYPE				
				I.D.				
				WT./Fall				
	Sample	PID/FID						
Depth (ft)	Number	Readings (ppm)		SAMPLE DESC	RIPTION, REMARKS	AND STRATUM C	HANGES	REMARKS
			0.0-1.5' 1	Loose, brown, s	ilt & clay, little(-) g	ravel, topsoil		
	1				940 500.3	N 6		
-			1					
1		2000 March 1990 A 1990						
1			1					
]	1.8						
					own, silt & clay, li	ttle(-) gravel, C&	D material:	
2			asphalt b	olocks (1'-6'), bri	ick			
	TP-48 (2-3)							
								
		0.3						
3							*	
	-							
V e								
1	-	0.1						
4			10.601	onea moiet he	own, clay & silt, lit	tle(+) coarse to	medium aravel	
A -	- 1		4.0-0.0 L	Loose, moist, bi	OWIT, Clay & SIIL, III	uie(+) Waise (U	medium gravel	
S.		0.1						
le:	1	0.1						
5	TP-48 (5-6)		1					
	111 -10 (0 0)							
-								
_	1							
6	TP-48 (6-7)	0.1	6.0-7.0' L	oose, moist, br	own, nonplastic, r	nedium to fine(-)	sand, little(+)	
_			clayey si	lt, trace(-) mediu	um to fine gravel			
]							
7		0.4						
]		7' Water	Table observed	i			
-								
8	<u> </u>							
1577 H——								
-								
·	4							
9								
1000	- 1							
71	 							
4	- 1							
10	1 1		1					

ROJECT: 34 Freeman's Bridge Road Site				TEST PIT LOG CONTRACTOR: Hickory Hill Construction		Test Pit No.:	TP-49	
ROJECT N			Site	Excavator:		er Keyes	DATE:	4/7/2005
SURFACE ELEVATION: NA				SITE LOCATION		NA .	ET GEOLOGIST:	
OTH THE E		LEVELS		Equipment:	John Deere 410D	N/A	E. GEGEGGIGT.	E. Bellouiot
DATE	TIME	DEPTH			CASING	SAMPLER	CORE	TUBE
4/7/2005	14:30	5'		TYPE				
	PACE II			I.D.				
				WT./Fall				
	Sample	PID/FID						
Depth	Number	Readings		SAMPLE DESC	RIPTION, REMARKS	, AND STRATUM C	HANGES	REMARKS
(ft)		(ppm)						
_		0.0	0-1' Loose, Moist, brown, clay and silt(+), little gravel, pebbles, topsoil, C&D)
			fil, concrete blocks					
X 	-							
1	TP-49 (1-2)	0.0	1 2' Mais	et to wot brown	, silty clay, C&D r	natorial brick co	ncrete clahe	
¥ 	117-49 (1-2)	0.0	1-2 101013	1				
_								
2	TP-49 (2-3)	0.0	2-3' Moist, light brown, clay and silt(+), medium fine(+) sand, little gravel,					
-				terials, concrete				
50 Ba								
3								
_		0.0	3-4' Mois	st, greenish gra	y, clay and silt(+)	medium(+) fine	sand, little gravel,	
			rust					
	- Company of the Comp							
4				1755	7		1 000 511	
-	TP-49 (4-5)	0.0			nd silt(+), coarse	medium(+) fine s	and, C&D fill	1
7			materials	s, brick wood				
-	1 1	0.0						
5			Water Ta	able observed.	End Test Pit			
÷	1 1		Trator it	abio obcoi voa.	Ling root i k			
		JACANESIO PER CONTRACTOR	1					
_	1							
6			1					
177	1							
7								
8								
; -								
-	- I							
9								
			1					
-								
10								