

Shaw Environmental & Infrastructure, Inc.

 101-1 Colin Drive

 Holbrook, New York 11741

 Phone:
 (631) 472 4000

 Fax:
 (631) 472 4077

MONITORING WELL LOG

									-						
PR	OJEC.	T NU	MBER: 1	33191		TAYLOR LANE - CO	,		NY						
						MONITORING V	VELL - MW - 4 S	6							
UTII	LITY CI	EAR	ANCE (0' -	5')		DATE STARTED: 10.02.2008	DATE COMPLETED:	10.02.2008							
DAT	E: 10.	02.20	08			GROUNDWATER LEVEL: 1.5 Ft	TOTAL WELL DEPTH	H: 10.0 Ft		WELL SCR	EEN SLOT S	IZE: 0.020	SAND SIZE: #	1	
GEC	DLOGIS	GT: Sa	anjay Shar	ma			WEATHER:	52° F, Win	dy						
		METH			DT with Aug		PAGE:		1of 1						
1	DEPTH (ft)		BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION		USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS	WELL CONSTR	RUCTION (2" Ø)		WELL COVER 8 STICK UP PIPE
				<u> </u>	0.0 - 1.5	Dark gray to black M-C SAND, larg	e GRAVEL, moist					CONCRETE PAD		PIPE	
					1.50 - 5.0	Dark gray F-M SILTY SAND with fe	ew clayey patches					GROUT	▼ 1.5Ft	ЧĽ	
		_	HAND CL	EARANCE		medium PEBBLES, Wet at 1.5 feet	t.					BENTONITE	<u>• 1.5rt</u>	RISER	
						Sand is more clayey after 3.5 feet I						-		-	
	5.0						0					SAND ABOVE WELL SCREEN			
					5.00 - 6.00	Same as before									
		6.00 - 10.00 M-C brown to grey SAND, fin					nedium GRAVEL,							WELL SCREEN	
			N/A	100		few PEBBLES, at places very coar	se SAND, wet		NO			SAND		SCR	
									SAMPLE					Ë	
	10.0							SP		0.0	NO ODOR			Ň	
					10.0-13.0	Same as before							Telebeleen en een een een een een een een een		*****************
	ĺ		N/A	100											
					13.0-15.0	Red brown M-C SAND, few mediu	m PEBBLES & GRAVE	L.							
		_				Wet							Well Bottom at 1	0 Ft	
	15.0		N/A	100	15.0-17.0	Yellowish brown F-M SILTY SAND	rock piccos								
			N/A	100	15.0-17.0	TENOWISH DIOWH FINI SILTT SAND	, rook pieces,								
	17.0														
			Refusal	at 17.00 feet											
	NOTES														
	Drilling				ADT										
	Drilling	Equip	oment:			6610 DT with Augers			Macro Core			_			
	Driller:				Chris & Dav	e					-	was augured.			
											ntercepted in	Soil Boring.			
									bgs = Below	ground sur	тасе				



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	UMBER: 1331	91			OMPOST SITE, MAMARC	DNECK, N	Y						
				MONITORING WELL - I	MW - 4M								
LITY CLEAI	RANCE (0' - 5')			DATE STARTED: 04.27.2009	DATE COMPLETED: 04.2	27.2009							
TE: 04.27.2	2009			GROUNDWATER LEVEL: 4.0 Ft bgs	TOTAL WELL DEPTH: 20	.0 Ft (6" Ø)		WELL SCR	EEN SLOT SI	ZE: 0.030	SAND SIZ	Έ: #1	
OLOGIST: S	Sanjay Sharma				WEATHER:	82°F, Clea	ar, Sunny, EN	E -Wind					_
	THOD: 8" ID (Ø)				PAGE:		1of 1						
DEPTH (ft)	BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION		USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS	WELL CONSTRU	CTION (6"Ø) (6"Ø)	WELL COVER
			0.0 - 0.5	PEAT - Vegetation (Grasses)								9 3	
	-		0.5 - 2.5	Dark brown to black M-C SAND, more F	PEBBLES, GRAVEL,	+				BENTONITE		PIPE	
-	HAND CI	EARANCE		and rocks & bricks. Hard, compact, and	dry soil LINER at 2.5'					-	LINER	R.	at 21/2' bo
			2.5 - 5.0	FILL - Black SILTY SAND. Debris - glas		4						<u>s</u>	at £72 ນບູ
				Dry up to 3.0' bgs, moist up to 4.0'bgs a						SAND ABOVE WELL SCREEN	▼ 4.0Ft	Ľ.	
5.0		1		FILL - M-F SAND and debris as before.						WEEE CONLEEN			
	2/2/3/5	50	5-7		Asphaltic (?) material	FILL							
				Wet									
	5/8/3/2	30	7-9	Same as before, more GRAVEL									
				Wet									1
10.0	3/4/5/3	50	9-11	FILL - Light brown M-C SAND and debr	is as before.		NO		NO ODOR			Q	
	3/4/5/3	50	9-11	Wet				0.0				(6" 6	
				Light brown F-C SAND, little fine GRAV	EL and few PEBBLES		SAMPLE		NO GASES				
	4/5/5/7	40	11-13	Wet			SAWPLE			SAND		SCREEN	
				Greenish gray F-M SAND, more fine GF	RAVEL and mica flakes	SP				_		SCI	
	4/5/10/11	50	13-15	Wet		0.						MELL	
15.0				Same as before		4						l N	-
. –	5/7/6/5	100	15-16.5	Light brown to gray SILTY SAND. Wet			-						
			16.5-17			SM							
	6/7/7/10	80	17-18	Black Asphaltic (?) material. Wet		FILL	1			1			
			18-19	Yellowish brown M-C SAND. Wet		SP				1			
20.0	6/7/8/7	50	19-21	Black Asphaltic (?) material, glass debri	s.	FILL							
	0///0//	50	19-21	Wet		FILL					Well Botto	m at 20	Ft



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MONITORING WELL LOG

PROJECT N	NUMBER: 13319	91		TAYLOR LANE - CO	MPOST SITE, MAMA	RONECK, N	Y						
				MONITORING WELL -	MW - 4 D								
UTILITY CLE	ARANCE (0' - 5')			DATE STARTED: 10.02.2008	DATE COMPLETED: 10	.03.2008							
DATE: 10.02	2.2008			GROUNDWATER LEVEL: 1.5 Ft	TOTAL WELL DEPTH: *	16.0 Ft		WELL SCR	EEN SLOT SIZ	ZE: 0.020	SAND SIZE: #	1	
GEOLOGIST:	: Sanjay Sharma				WEATHER:	52° F, Par	tly cloudy, W	indy					
	ETHOD: Geo Prob				PAGE:		1of 1						
DEPTH (ft)	BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION		USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS	WELL CONST	RUCTION (2" Ø)		WELL COVER STICK UP PIPI
			0.0 - 1.5	Dark gray to black M-C SAND, large	GRAVEL, moist					CONCRETE PAD		I	
			1.50 - 5.0	Dark gray F-M SILTY SAND with few	clayey patches						▼1.50 Ft		
H F	HAND CL	EARANCE		medium PEBBLES, Wet at 1.5 feet.									
				Sand is more clayey after 3.5 feet bg	s							RISER PIPE	
5.0										GROUT		цК	
			5.00 - 6.00	Same as before								RIS	
			6.00 - 10.00	M-C brown to grey SAND, fine to mee	dium GRAVEL,								
	N/A	N/A		few PEBBLES, at places very coarse	SAND, wet		NO						
						SP	SAMPLE	0.0	NO ODOR	BENTONITE			
10.0										SAND ABOVE	_		
10.0			10.0-13.0	Same as before						WELL SCREEN			
\vdash													
	N/A	N/A										EEN	
\vdash		1/2	13.0-15.0	Red brown M-C SAND, few medium	PEBBLES & GRAVEL.					04115		SCRE	
⊢⊢				Wet						SAND		<u> </u>	
15.0		N/A	15.0-16.0	Yellowish brown F-M SILTY SAND, re	ock pieces							WEL	
16.0	N/A	N/A	10.0-10.0										
											Well Be	otton	n at 16 Ft
NOTES:													
Drilling Co			ADT						g as it was dor				
-	quipment:		Geo Probe -						as in MW-4 S				
Driller:			Chris & Dave	3					usals at 15 Ft a				
									ntercepted in S	Soil Boring.			
							bgs = Below	ground sui	Tace				

			SCX 36 PARAMUE, NJ 67653	BORING MLC	<u>-MW-95</u>
		F COMPOST SITE	PROJECT NO: 15		
DATE: 10 DEC	.90		LOCATION: TAYLL	OR LANE, MA	MARONE
ELEVATION:			DATUM:		
<u>SAMPEZ</u>			SOIL DESCRIPTION	- 7	
no. depth erv		M. COMP.	SOIL DESCRIPTION TEX., C., 2nd CON DMP., ETC., MOIST.,	MP. TEX.	5
					<u>s remai</u>
					5'00
				. :	CASWG.
					LOCKWG
	1				Jo' of 2" Stainless (
W.	╉━╌╬╾╌┥				Casing, se
					from 8'
5#1 0'12' 50%		F-VF SA	ND, some sitt, 11, rock, 2" of ash (?) h f-sand # sitt, brow	He gravel	H
	1219	Julverized	rock, 2" of ash (?), Jutte	<u>၂၂</u> ၀
		Dry	17-5ana 7511, and	n-arkan	
S# 2 2' + 4 25%	8 136 2		, little sitt , little grac		38
	121/8	med. brown.	, <i>, , , , , , , , , , , , , , , , , , </i>		
		8			
#3 4'\$6' 50%	4 27 4	12 SANTA	de la constante		
	88	det. hen. !"	anor of croanic ma	Hortune ?	
		occasional q	cladays some lamin layer of organic man need, med. brn. dr	4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.5' d' Bentonte Bellets
				50F E6CI	
# 4 6 \$ 8' 75%	810	Same, tr	ace organiss (in .5", gtz. sand.	layor) 😳	
		linte coarse	gtz. sand.		
	10.11	f-c SAND,	porly sorted, one land at approx. 9'	per of	To' S
· · · · · · · · · · · · · · · · · · ·	11 10	Uniform m-3	and at approx. 9" (3	thick)	322 5
		flakes, # atte	and at approx. 973 yor there are many meting layors of 1t	fark.	Sand pac
= 6 10 to 12' 25%	2.18 0	brown, dry.			8 6
	9.18	1-c SAND.	and GRAVEL, th	nce	
		sitt, materi	at in the shoe is		
		med. brown.			stani
	╾┼╼╾┦				Par R
					tess in
		20			
7 15-17 0 9					
7 15-17 0 9	8	No Recovery			SC: 1
					to b.
					3 01
8	17	l .			
ES: DRILLING	CONTR	EMOIRE			
DRILL		EMPIRE IOHN YEATON		<u> INSPECTOR</u>	
DRILLERS H	ELPER - U	OE RAAB		August 1.1.	
DRILLING M	ETUON - 4	OLLOW STEM	NIKER EC	mare the	derbette

* NOTE: M. COMP. = MAJOR COMPONENT; TEX: = TEXTURE, C. = COLOR; COMP. = COMPONENT; HOIST: = MOISTURE:

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SHEET / OF-

				<u> 4</u>	AF (M	ROST SHE					
DATE:	10	DEC.	· 90					LOCATION	TAYLOR	LANE,	MAMAL	ONECK
LEVA	TICN:							DATUM:			2	
no.		HPLE recov	olc cer	ws 6"	neptii	STRAT	M. COMP., C.; 3rd CC	SOIL DESC TEX., C.,	2nd COMP MOIST.,	OTHER *	HELL.	REMARKS
												Botom of Screen
					-19					<u></u>		
	а к						2	BOTTOM O	= BORING	19.5'		Editor of Sand pack
										-		
												-
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							191					123
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+											8	
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\mp								13	10		02	
+												
-												
-		<u>81</u>										
ES:									··			

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = COLOR, COMP. = COMPONENT, MOIST. = MOISTURE:

PIRNIE HALCOLM				1110	.1.0.
	109 ESENHOWER DR. P.O. (MLC-M	<u>W</u> -Yd
PROJECT: MAMARONECK LE	AF COMPOST SITE				
DATE: // DEC 90		LOCATION: TAYLOR	<u>LANE</u>	, MAM	ARONECK
ELEVATION: SAMPLE		DATUM:			·
I recov blovs	TLAN M. COMP.,	SOIL DESCRIPTION TEX., C., 2nd COMP		L. YST	
no. depth erv 1 ter 6"	E C.: 3rd CO	MP., ETC., MOIST.,	OTHER .	VELL CONST	REMARKS
					G DA. STEE. CASNG. E
			1		LOCKING CAP
			Í		
0	·		- N		- ,
#1 0'b 2' 50% 4 12 12 9	+-++ JAI	VD, some sitt, litt. rack, 2° of ash (?) f-sand t sitt, brown	le gravel		Ground Level
	organics with	f-sand \$ silt, brown	-drkim		
2 2 4 4 25% 8 136 2	Long State	inter at 144	, . I		
a a 24 05/0 1 100	med. brown.	little sitt, little graves	, dry		
	1°				
3 4'26' 50% 4 27 4	1 - SAND.	displayes one forment	k		
88	drk.brn.1"	tisplays some lamination of organic matter of organic matter matter and the second of	mand?)		
	acasona g	over, med. brn. ary.			
4 6 8 75% 8 10	Same, tra	ee organies (in .5" la gtz. sand.	mm)	<u>}-</u>	Cement Bentonite
/2/14	little coarse	gtz. sand.			grout placed
				7	from 45' to surface
5 8'to 10' 75% 10 11 11 10	f-c SAND,	corly sorted, one laye	rof		78 30.740
11.00	Apre sand la	por those are many m neting payors of 114	ra (
1 10/100 200 2 0	flakes, & alter brown, dry.	neting layous of 113	drk.		
6 10 + 12' 25% 7 8	RO SAND	and GRAVEL, tra	ce		
	Sitt . materi	et in the shoe is w	et		19.5' of
	med. ornen.				"I.D. tainless
				3	teel(316)
╶╉╾╍╍┟╌╌┟╾┼╼┥╴╽					asing et at 48'
				W/	tha 2'
7 15-17 0 9 7 15	NO RECOVERY			37	hck-up.
				20	
17					
S: DRILLING CONTR					
DRILLER -	<u>UOHN YEATON</u> JOE RAAB				
DRILLING METHOD -	SPIN CASING , RO	CK REAMING ROCK	CORING	ME	I INSP. A !
DRILLING RIG - 7	RACK MOUNTED	CM			1 rideller

COMP. = COMPONENT, HOIST: = MOISTURET.

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PROIT	MAMAPO	VECE 11	=1=	0	APPAT	PROJECT NO: 154	7-04		
	1-DEC						-	1.110	
ELEVATIO						LOCATION: TAYLOR	LANE, N	IAMAKE	NBC
	SAMPLE			Σ	T	DATUM: SOIL DESCRIPTION			······
no. de	oth erv		DEPTI	STRA	M. COMP., C.: 3rd CO	SOIL DESCRIPTION TEX., C., 2nd COM MP., ETC., MOIST.,	P., TEX. OTHER #	VELL. CONST	REMARKS
\$ 8 20	22' 0	58	20		NO RECOVER				
B9 25	►21 /5%	5 7 7 7 8	22 25		F- SAND	, unitorm, grey, we	t:		-49.5' of
<u>5 /0</u> 30	52 30%	4 7 9 14	30		m-c SAND wet:	\$ GRAVEL, #. s	utt, grey		4° I.D. stainless stel (36) casing Set at 48' (5' into a rock socket
511_34.5-	355 10%	7 33 3	5	7	I-C SAND Home with s orange/brown	In the shoe, m-C so me rk. theys, por sort, , wet.	und ung		Cement/berth grout placed Loom 45' to Surface
12 40'+1 13 43'.5		8 43 5 6 100/44	5		Same. 	TOP of bedrock		~	Bentonite pellet seal, from 48" to
		4	8		a <u></u>	Bottom of rock sect 48'	ke/-		15'-
ES:									

	RNIE			ANNE, 114	G_ 100	EISEN		RING <u>MW-/4</u> m
			NE	ĊK	LEP	₩F_	COMPOST PROJECT NO: 1547-	
DATE		7.7						LANE, MAMARONECK
ELEV	TIÓN: /	. / . /				T	DATUM:	
	JAL SAL	1 1 1 1 1 1 1 1 1	23		TI	Ę	SOIL DESCRIPTION	
	depth	recov		ovs r 6"	1. LEPTI	STRAT'	M. COMP., TEX., C., 2nd COMP., C.: 3rd COMP., ETC., MOIST., OT	TEX. IN NO REMARKS
	0-2	lerv 8		<u> </u>			FILL; drk. brown to black com	
_					İ		damp. HNU .6	5.8 egunade
								ges units.
	2-4	100		3	-2			
/	a-7_	100	3	2		-	FILL; (Come. chups, bag fragme HNU. 6 (ENV. Sample).	nts) 14m log is
							HNU.6 (Env. sample).	Composite of
					4		-	14d, 14so
	4./a	-		1		-=	FILL; wet HNU.6	55-
	<u> </u>					├ ;		except when
					-6	E		actual split
	6-8			1		-	FILL; fc. sand and cinder/ matrix, little gravel blk, wet, HA	slag spon sample
				¦			marix, mile graver bik, wet, HA	Indicated be
	+				-8			the blow co
	8-10				[E	<u>FILL</u> ; same	and recover
	<u></u>							Split spoons
						-	· · · · · · · · · · · · · · · · · · ·	
2	10-12	50	5	6	- 10	=	FILL; some grey sitty sand in	tip of bottom of t
			4	8		=;	FILL; some gray sitty sand in spoon. Have 1.6	and to colle
	+		-					env. somples
3	V2-14	10	7	6	- 12		FILL; to 13.75 then grade	ng amalysis.
			5	5			to m-r SAND occasional gra	vel
					ł .	<u>=</u>	little silt and organics; HAU	1.8 Baton
4	14-110	50	8	6	- 14		(Env. Sample).	e e Perton
			7	9	1	-	MC. SAND, some gravel (upto drk. gray to black HAU 2.0 No. (transtrind 2000 between FILL and No.	5/.5 da 50
		•			ł		drk. gray to black HAU 2.0.	
	11 - 10	50	9	7	-16		(transtriantal zone between FILL and No	4) # 10
0	16-18		10	6	1		Same - drk gray (ENV. Samp. mc. SAND	R. Sal
					Į			2"P
					-11		1 Promotil	
4	18-20	0	9/2	9			No Receary.	
					İ	1		
				1	20		C C CAUT	
	20-22			<u> </u>	ł		f. vf. SAND, some sitt, little n sand, grey.	nC. 2"PV
				<u> </u>	1		sand, grey.	10 Sh
				[22			Scel
				201-			EMO/Re	
NOTES		RILLIN	_	ONT	<u>K</u>		EMPIRE	
		ILLER		ELPE	R	1	ALT KETTER	
	DR	ILING	ME	THO	2	H	OLLOW STEM AUGER	

<u> </u>		MALC	OLM PIRME	ING. 10	0 2352	ENHOWER DR. P.O. BOX 35 PARAMUS, NJ 67863 BORING MW-14-77
PRCJI		MARC	NECK	LE	AF	COMPOST PROJECT NO: 1547-01-1
DATE		4/92				LOCATION: TAYLOR LANE, MAMARON
ELEVI	TICN:	NIA	7			DATUM:
	SAL	MPLE			4	SOTI DESCRIPTION
		recov	blows	L TU	S'FRAT	M. COMP., TEX., C., 2nd COMP., TEX - 0
<u>ño.</u>	Ideoth	erv 1	ver 6			C.: 3rd COMP., ETC., MOIST., OTHER
	┼───			┥		
]		
				-24		
	24-26		<u> </u>	-	臣	SILT, some vfsand and clay
	┼───			-		gray.
						目 「日本」
	26-28					fSAND and SILT; grey.
	╀			4		
	<u> </u>			+		
			<u>_t</u> _	- 28	ŀ	Bottom of Boring 28'
<u> </u>	<u> </u>	<u> </u>		-		
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OTES:			CONT	R.		EMPIRE
		LER	HELPE	0		BRIAN WAGNER
_		LING I				VALT_KETTER OLLOW STEM AUGËR

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = COLOR, SHEET 2 OF 2

PRCJE	CT: MA	MARO	NEC	K.	LEA	<u>F</u> (COMPOST	PPOJECT NO:	/547	-0/-/		_	
DATE:		6-9		_				LOCATION: 7			MAN	1AP	ONECK
ELEVA		the second second second second second second second second second second second second second second second s	A					DATUM:					
	SAN	IPLE			Ξ	T.V		SOIL DESCRI	PTION				
<u>no.</u>	depth	recov erv_1			DEPTI	STR/	M. COMP., 1 C.; 3rd COM	<u>IP., ETC., M</u>	nd <u>COMP</u> DIST., (TEX.	NEL.L	ISNOO	REMARKS
	0-2						FILL; F.	said, litt	le silt,		0	99	
					٠.		COM	post woo	d Frag	mats,		00) LAT J.
					·Z		Fock	frag nexts	, dark	brows	0	20	a compos
	2-4				-	• • • •	Same u	ith some	M-6-500	d ·			of logs fr
				{						-	₹.do	Þİ.	MW-II, PZ
					.4					1	b · a	15	pz-2 and f
	4-6				, 1		same			1		۲ 0	except whi actual spli
					•					-	ija	6	spoon sam
												P	were colle
	6-8				.6		Same				- a		indicated blow cound
	 								1997 - A.		9.4		and recover
	[[{		{	5						<u> </u>		
	8-10				·Z		Same				: <u>-</u>	ļ:ļ:	Grout
											þ.	90	SeaL
											00	: lo	
1	10-12	25	74	20	0		Same wi	th Some 180,0 (Ели.	silt;		þ. þ.	ŀ	
			109/2	<u> </u>			HNu	180.0 (ENU.	somple)		p ⁰ d		Cas
4			┝╼╼╉╸				•		·		66		
2	12-14	75	3	$\frac{1}{2}$	-12		Q. 1 1/	net will	Calla	<:1f •	0.10	ÖÖ	
			2	3				post with			0.	6 D	
							brows	- gray	MNU 3.	5	1.	: '2	Bentonit Pellet
2	14-16-	100	9 1	17	14						.	0.	Sea
<u></u>	14-16		4				Same ; H	Nu 8.0				•	
					1		•			,		60	
	16 .2	50			-16	630	outer Las	ing set a	+ 16.0	I	*•••	20	2" Stain
4	16-18	-20		14 18			F-M Sand	with So	ne grow	sel;		k	>TCI
							Aatu	ral - gray - y	Jellow				R
					18								Blad of
_5	18-20	75	12 1				Same					 	#2 and #
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	20-22						Same wi	th trace c	0+ JI	<u>-</u>		Ŀ	24 stainles steel 0
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NOTES		ILLING		NIK	5		RIAN WAGN	ER					
		LERS		PF	0		ALT KETTE						

-			_		_		HOWER DR. P.O. B			·	<u>MW - </u>	
	<u> </u>			<u>~~</u>	LEr		_OMPOST					
		· 0 - 1	5	_	_				A: TAYLO	OR LANE	, MAMARC	NECK
ELEV	ATION:							DATUM:				
	SAN	APLE	1 51	ows	물	Ę			SCRIPTIO		36	•
no.	deoth	recov		r 6"	DEPTII	JTRAT	M. COMP., C.: 3rd CO	MP. ETC	, 200 CC	OTHER +	HELL CONST	REMARKS
	22-24		İ I									<u>ne</u> 94.nu
							Same					
			<u>[.</u>	_	- Z4							
	24-26		╞─┤				Same					
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			[]		-26							
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	28-30		25	15	- 28	i	Same	0146 C	ome C	anse		
			15	14		E	same c	Sard	HNU	5.0	目:	•
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6	38-40	30	46	21		1	<u>sane</u> wi (wi	eatherd	` لىنە (Coarse		
			63	5/			-	San	2. HNU	10.0		
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	•						Ralla	h of	Boring	<u> </u>		
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OTES		ILLING		~~~	<u> </u>	<u> </u>	MPIRE			· · ·	<u> </u>	
0123		ILLING			<u>. </u>		BRIAN WAGI	VER				
	DRIL	LERS	HE			Ľ	ALT KETT	ER			_	
	DRI	LING	ME	THO	ð -		OLLOW STE RACK MOUN	M AUG	= <u>R</u>			

Sec. 14

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			_		_		HOWER DR. P.C			-		MW-	19
PRCJE	<u>ст: Ма</u>	MARO	NE	CK	LEA	F. (<u>Compost</u>	PROJEC	T NO	<u>· 154</u>	<u> 1-01-1</u>		
DATE:	2-	<u>6-92</u>	<u> </u>					LOCAT:	ION:	TAYLON	R LANE	MAMAR	ONE
ELEVA	TION:	NIN	4					DATUM		-			
		MPLE		_		3				IPTION		<u>.</u>	
		recov		ovs	DEPTI	STRATI	M. COMP.				P., TEX.	NELL CONS'I	
no.	depth	erv 1	ve	<u>r 6"</u>	3	5	C.: 3rd	COMP., ET	rc., M	OIST	OTHER .	AE CO	R
	0-2	<u> </u>		ļ	1		FILL :	F-San	a . 1:	ttle s	silt		
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	14-16			<u> </u>	-14	<u> </u>					-		-
	179-16				i		Bot	tom o	f e	soring			M
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NOTES	- 70	RILLIN C	- 7	MT	P.	<u> </u>	MPIRE						╺┺╌╌
1. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u>	<u>مرب .</u> مرار	ZILLE	٢		<u> </u>		BRIAN WA	GNER					
	DRI	LLERS	HE	LPE	R		ALT KET	TER					
	DR	ILLING	M	THO			ollow s						. ·
1	DRI	LING	R/(G		$-\mathcal{I}$	RACK MOU	INTED C	ME_				استجاز

				_	EISENHOWER OR. P.O.			ic <u>MLC-N</u>	W-70
				<u>LEAI</u>	E COMPOST SITE				
	: 13	Nov '	90			LOCATION: 7	AYLOR LAN	IE, MAM	AROVEC
ELEV	ATION:					DATUM:			
	7 3	NAPLE		Ē		SOIL DESCRI			
no.	depti	reco		แนสอบ	WW. COMP.	<u>TEX C 21</u> OMP., ETC., MC			77/17/
	1	1		-			<u>JULI OIALK</u>		REMARK
	_				BACKGED	WAS HALD . I ,	6.2 ppm		
			┦						6" DIA. 572
	1		╉╌╌╁╍╍╼						CASING. 8
			i i						LOCKING C
	┨────	1		1					T 18" DIA.
	1	+	+						18" CONSTR TUSE
<u>'</u> /	0'102'	18%	WOH 1	-0	FILL, co	mpost, marsi	drk brawn		FILLED W CONC.
	<u> </u>	[WOH 1	- 1	HNU .1 pom			-	-H-GROUT
								20 22	BENTONIA SEAL
s#a	2'+4"	55%	1 3	2	Ell to	a' amost	hottom B' Ca	1	2"I.
		00 /	519		sand, som	e silt and c-sa m. HNU-274	nd . Inthe orang		STAINLE
					moist, bien	m. HNU-24			CASING. SCHEDULE
42	4'66'	0%	68	4	Rest and	Jak			SET FROM 3' 2' Stick . up.
-3.	4 70 0	010	10 9		Split spoon	wet. HNU	6 to . 8 ppm		2' SHCK-UP. —No. 2 SANI
Ì							·		-No. 2 SAVI PLACED FRONT. BELOW GRADE
				6					7 J.
#4	6'\$ 8'	25%	2 2		FILL, ash	(?), glass, gr en, wet HN	avels porcebin		-10' OF 2" I.L STAINLESS
- Î					Olack, al sid	en, wet HNO	.8 to 1.0 ppm		STEEL (316 SCREEN W
				,		1 (2) 100			.02 " SLOT
*5	P'10/0'	35%	$\frac{25}{33}$		FILL, top-4	1' ash(?), g/as 3' f-m sand, so	s, prick tings, me silt and		BELOW GRADE (To 3'.
-+			33		c-ve sand, th	gravel, brn; o Appm	I sheen		
-+		1		.	HNU . 2 to . A	map n		目:	
-61	0 1/2'	30%	54	`	SAND, top	0.3' 4f-f sam	d, some sitt		
			22		tr. peat (?),	drk grey vf-	batting.		
					grey. HNU	SAND and SIL	T vf-bedding		
					p. g		•		
							•		
_ _			$+ \square$			attom of Bor,	ing 15'		
			_ <u>_</u>	1	1				
					ł		1		
<u>ES:</u>	DRIL				EMPIRE				
	DRILL		LER ·		<u>OHN YEATON</u> DE RAAB		MPI I	NSPECTOR	
	_				OLLOW STEM	WEER	~ etal	111°C	6 Ii
	DRILL		R14 -		ACK MOUNTEL		Junna .	Velay	en
		B M			TTEX: = TEX			HEET / OF	- /

PIRNIE MALCOLM PIRMIE INC. 100 ESEMHOWER DR. P.O.	BOX 38 PARAMUS. NJ 67683. BORING MLC-MM-1/
PROJECT: MAMARONECK LEAF COMPOST STE	PROJECT NO: 1547-01-1
DATE: 14 NOV '90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:
SAMPLE = E	SOIL DESCRIPTION
no. depth ery 1 per 6" 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	TEX., C., 2nd COMP., TEX. 20 DMP., ETC., MOIST., OTHER • 20 REMARK
	UD_ HNU ./ 10 .2 ppm
S#1 0'th 8' 25% 2 2	of compost, wood frags 1, trace gravel, drk br. to 1, to 2 1, trace gravel, drk br. to 1, trace gravel, drk br. to
#3 4'66' 100% 5 6 4 FILL, SIH 4 6 4 6 4 6 FILL, SIH mothled up clamp, stm FILL, f-s	C Sand and organics, broken glass, drk brin, t, little clay, trace f-sand pearance, med gray to blk, ong petroleum color, HNU-180pm Sand and Silt, a coarse pellow matorial in the shoe b blk, saturated HNU 60-10 b blk, saturated HNU 60-10 b blk, saturated HNU 60-10 b blk, saturated HNU 60-10 casta staturated HNU 60-10 cas
5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 20% 5 8'to 20% 5 8'to 20% 5 8'to 20% 5 8'to 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 10' 20% 5 8'to 20% 5	post and f-sand, approved II' Below GRA a soft red material in the span, drk brn, saturated m. med. gray to blk., 1" of u waterial, saturated
BES: DRILLING CONTR EMPIRE	them of BORING 13'
DRILLER - JOHN YEATON	MPI INSPECTOR
<u> ARILLERS HELPER - JOE RAAB</u>	August A Hinder bate
DRILLING METHOD - HOLLOW STEM	AVGER aturna Wedner

* NOTE: M. COMP. = MAJOR COMPONENT; TEX. = TEXTURE, C. = COLOR, COMP. = COMPONENT, MOIST; = MOISTURE.

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r	ICO IRNI	Ł "	LCOLM PIRME	INC. 108	EISENHOWER DR. P.O.	CX 35 PARAMUS, NJ 0765	BORING	MLC-M	V-12
PROT		10110	PONIECK	/EAG	Calloct STE	PPOJECT NO:	5117-01	. /	
	: 14					LOCATION: TA)			A Portan
	ATION:	<u>V0V.</u>	70			1	LUK LANE	· <u>MAM</u>	AKONECI
		MPLE			51	DATUM: SOIL DESCRIPT		····	
	T	Izeco	v bicvs	11430	WH. COMP	TEX., C., 2nd		viel.i.	
no.	Hent	lerv	1 cer 6	" 원	5 C.: 3rd CC	MP., ETC., MOIS		ALE CO	REMARK
			+	- 1					
	+	+	<u> </u>	- 1	BACKGROUN	D HAU12A	m	}	
			<u> </u>	1					6" DA. 574
	<u> </u>]					CASNG. E
				4					
_		┼────		1					
			1	1 1				$\Pi \mid \Pi$	101 CONSTR
	[1_{o}				┝╁┦┝╉┦	FILLED W
<u> S#/</u>	0'22'	25%	111		FILL, leaf	compost, fine sand	and silt,		
_	· · ·				damp. HNU	Int le gravel, mice	Hakes, med.bm		6"-GROUT
	1	<u> </u>			- AND	~ <i>µ</i>			-1- BENTOWN
S#a	2'+4	15%	111		FILL. compo	st. small nots, f:	sand, some		-4'of 2" I.
			1 1/24		grovel, brn,	st, small nots, f saturated in la	ver 2" of span.		STAINLES STEEL (3
					HNU 2 pp	**	. /	目	CASING. SCHEDULE
5#.3	4'06'	15%	111	-4	Elli veru	mone wat fram	ant brick free		RADE WITH A 2
			11		f-sand and	sitt in the shoe	motural)		MO. & SAND
					drk brn to gra	y, saturated. H	NU .I ppm	" / M	LACED FROM (S ELOW GRADE U
	11 01			-6					5' BELOW GRA
# 4	6 # 8'	50%	7 147 21 17		coarse SAN	Dand GRAVEL	poorly sorted		-10 of 2 I.L STAINLESS
					SILT with tra	mast; upper 4 ie clay, med.gn	4 damp.		STEEL (316 SCREEN WI
				8				<u>, </u>	OR SLOTS ET FROM 12'
-5	P'10'	50%	13 13		coarse SAN	D and GRAVEL,	little f-sand		BELOW GLADE IP TO 2' BELAN
		+			HNU1 ppm	saturated. HA	~~ p		RAUE
					////				
# 6 1	0'10/2'	30%	13 9	~	fractured an	d weathered RC	xr,		
			7 37	·	Some wash me	terial, saturated	, HNU2pm	-	
		+					f:	上二	
 †				8			E.		
-+					Botton	m of Boring.	13'		
				r		J. L. J.	-		
		_					·		
							1		
			<u> </u>					ł	
TES :	DRIL	LING	CONTR		EMPIRE		[
			LER		OHN YEATON	/	MPI - 1	VSPECTOR.	
			ELPER	<u> </u>	E RAAB	ﺎﻟ	7	1:	
	DRILLI				LLOW STEM A		ward N	yang	in
		~ 12 /	~/ ~/ -	16	ICK MOUNTED				

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COMP. = COMPONENT, HOIST: = MOISTURE.

PIRNIE MALCOLM PRAME INC. 100 EISENHOWER DR. /	a BOX 38 PARAMUE NJ 07853 BORING MLC-MW-13
ROJET: MAMARONECK LEAF COMPOSES	E PPOJECT NO: 1547-01-1
DATE: 15 Nov. 90	LOCATION: TAYLOR LANE, MAMARONE
ILEVATION:	DATUM:
SAMPLE = E	SOIL DESCRIPTION
no. depth ery 1 ter 6"	
no. deoth erv 1 ter 6" 2 5 C.: 3rd	COMP., ETC., MOIST., OTHER + 23 REMAI
BACKGR	Hilu . a pom
	6" Dia. 3
	CASWG
	18" Covs
5#1 0'b 2' 100% 7 49 0 FILL	l' of ash in she of some
17 17 14" of a	l'of ash in shoe of spon, ONC. frags, 6" of compost to Hyray, damp. HNU 2ppm
drk brn	to Hgroy, damp. HNU 2, pm
513 FILL, 0	"of ash, 6" of poorly "-C sand and gravel, gray to rn, wet. HNU ./ ppm
yei/ow-E	rn, wet. HNU / ppm
*3 4'66' 15% 3 1 FILL -	material little site
drk brn	C Sand i gravel, some GRADE WITH material, / 11the SIH, Saturated HNU - Jopm
4 6 2 8' 30% 3 2 FILL, 3 40 10 10 10 10 10 10 10 10 10 10 10 10 10	CUTIE, WITT TREE CONCOURS STAINLESS
HNU / DO	ashc, drk brown, saturated
FILL C	mpost with f-sand ssilt.
5 8'1010 40% 3 x 1005, tr	ice gravel, b/K-brn, mast. E UP TO 1.5 L
8 3 HAV- 1/A	
6 10 10/2 40% 2 1 FILL. 4	of weathered conc. chips,
- I I f-sand,	of weathered conc. chips, some gravel, wood Aruss, nics, drk brown, in lover 6" of
Infle orga	
A Spoon Fea	t, med brown, wet. HNU-form
	Bottom of Coring 12'
	
	
	
	
<u> ES: DRILLING CONTR EMPIRE</u>	MUST - T. KAR-TA
DRILLER - JOHN YEATO	N
<u> ARILLERS HELPER - LOE RAAB</u>	

* NOTE: M. COMP. = MAJOR COMPONENT; TEX. = TEXTURE, C. = COLOR, SHEET / OF ____ COMP. = COMPONENT, MOIST. = MOISTURE •

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PRCJT	<u></u>	<u>AMA RI</u>	WECK L	<u>EAI</u>	<u>= G</u>	MADST SITE	PROJECT NO	: 1547-0	<u> 2/-</u>	/	
DATE:	<u> 20</u>	Nov	1. 90				LOCATION:	TAYLOR L	WE	MA	MARONEC
ELEVA							DATUM:				
	SAP	MPLE		E	ATV		SOIL DESCR	IPTION			
no.	depth	recov erv 1		ILLAN	STR.	M. COMP.,	TEX., C.,	IPTION 2nd Comp., 1 MOIST., OTHE	<u>'EX.</u>	VELL. CONS'I	
				<u> </u>	_ <u></u>	<u> </u>	<i>Kir.,</i>	10131	<u></u>	<u>ري حت</u> 	REMARI
					, 1	BACKGEO	WD HNU	2 Apm			
	<u> </u>	├ ──┤			, 1	1.		• -		Í	6" DIA. 57
						l ·					CASING.
		i 	·			l					
		<u> </u>				1			ļ		
						1				71	18° DIA
····	~~~	70% W	1 C	>		و دوسو					FRLED V
<u>7 - 1 1</u>	2.10	10%			ľ	HNU .2 pp	npost, brown	n-bK, damp		ין ו ^ר	
		=				in o a pp	7				
	2'* 4	1511	21/2			- ,,,,,					
Pa a		13%	112		ľ	FILL, San	ne.		ľ	ł	
=	=								ľ		
*34	11_1	0%	1 5 4				le va alva				
			7 12		ľ	With compos	ple IN Shoe a t, wet. Hwu	niy, grovei			
	=	Ţ							·		+
- 4 4	1.81	50% /	14 110 6				and and	ash(?)matrix	,		Steinless
			6 Va	·	ľ	little gravel	, blk, wet. P	INU ·2 ppm	'	.	. Steel (316) Casing
	—		<u> </u>								schedule 5 set from 66
=58	'10 10' G	m8 (678			FILL, sam	• 4			ĬĬ	below grade with a 2
			44		ľ	,, uu.,	76				Stick-up.
		\rightarrow	<u> </u>								
-6 10	* to /2'	35% 5	5 3 10		F	FILL top .a	l' compost an	drats			
	=	3			7	11d3' bri	ich Angs				
	<u> </u>	-+-			A	it. 2' san	id and passe	We ash matrix Wu .2 ppm	:		•
			4				prasmes. H	AU · appin		· .	1
	+	-+-	+							1	
	—							•			
\$7 15	\$17' GC	0% 7	5 15		E	III La la marce	· · · Carton or	•]	
	PII Va	4	4		179	P.3' FILL	AL CONTACT C-sand W/br	KL AVLAS]]	
	<u> </u>			'	bor	195' f-c	SAND, little	rch frags Sitt, mice flake 24. HNU 2200	8		
	+	-+-	╉━┥	!	77.	granie Tr	y yraver, J' -	9. HNU app	" · ,		
ES:	DRILL	MG	CONTR.		ĒN	1PIRE				<u></u>	
		DRILL	ER -	- 10	OH	N YEATON		MPI	INS	SPECT	OR
			ELPER -			RAAB LOUI STEA	1 AIVERS				- 1- 1-
D	PILLA	VG R	'IG -			K MOUNTED		- (Anth	1	1100	tite to =

PIRNIE MALCOLM PRINTE INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUE, NJ 67883

BORING MW-14d

DATE: LICATION: ELEVATION: ELEVATION: DATM: DATM: DATM: SOIL DESCRIPTION recov blows, be of the convert text of	PROJECT						PROJECT NO:			
$\frac{324MPLZ}{16000} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{10005} \frac{1}{1005}	DATE:						LOCATION:			
$\frac{3AMPLZ}{Received blows} = \frac{1}{2} $	ELEVATION						DATUM:			z
$SP \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$		AMPLE			E		SOIL DESCRIPTION		. =	
$SP \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$				L L	L R	M. COMP.,	TEX., C., 2nd COMP		ELL	
$\frac{1}{1} \frac{1}{1} no. Meat	hlerv N	cer o	<u> </u>	<u></u>	C.: 3rd CON	AP., ETC., MOIST.,	OTHER *	-11-	REMARKS	
	5 13 45 to 47	7 20% 7 20% 7 20% 7 0% 7 0% 7 0% 7 0% 7 0% 7 0% 7 0% 7	/ / / / 2 3 3 2 2 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 5 4 3 7 8 8 8 8 8 8 8 8 8 8 8 8 8	-25 -30 -35 -40 -45 -50		f-vf SAN tr. c-sand, SILT, soi tr. f-sand WASH, SI WASH, SI WASH, San WASH, San WASH, San WASH, San Same, w/IN H. gray, well Same, w/IN	D, some silt, little m gray. How . 2 ppm me vf-sand and cla (, mica., gray. How H and vf-sand. Hi me and SILT, some f-sau d. sand, mica flates and, well sorted, grey the f-sand and clay, T sorted HWU. 2 ppm ace f sand and clay	nd hmka		Cement Center Slurry, tren From 63' up
	<u> TES:</u>									

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = COLOR, COMP. = COMPONENT, HOIST. = MOISTURE

PRCJE	CT:						PROJECT N	0:				
DATE:							LOCATION:					
ELEVA	TICN:		· · ·				DATUM:		_			
	3Å	MPLE	,		Ě		SOIL DESCI					
no .	death	recov erv N	blows cer 6		STRAT/	M. COMP., C.; 3rd CO	TEX., C.,	2nd COM	OTHER	VELL		REMARKS
	neota	lerv v		-60		1						<u>nziz inc</u>
5 16	604062	25%	18	Ţ		clayey SIL	T, to SIL	T, (1) 14 1	that		·	
_			34			sandy sitt. HNU .2 pp	n v+-	bedding,	gray			- 63'
							•		-		Ber Se	ntonite
Sef 17	65 to 61	0%	2 2	65		WASH, S.	itt and wh	-sand	Julie a -		<u></u>	
z .4			23					Surry. /	NO odgom		;	de.5'
				4							8	
. –							_			E		
518	10'+072'	50%	32	70		layered Si Sandy Silty	ILT and S	AND, 1/2	'to た	.:E		9
-+			8 11	-		Sandy SIMY	layers, "g" +	0 14" vfr	n. sand	に目		Sr Con
]		layers, gr	g. AND	pm		E	8	• i.
19	5-10765	12%	13 18	15		CORRIE II	she de	unn an	0/55(2)		5.67	
		100	8 13	1		COBBLE II.	nd f.m. SA	ND, some	C-sand			14/1
				4	ŀ	trace vc-s	and, grey	. HAU .2	Am		<u>1</u>	76.5
+				1			Bottom on 16.	1'Boring				
			·]			Auger Re Top of Re	fusal)				
							Top of Re	xk				
							·					· .
-+												
										1		
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											i i	
	_											
<u> </u>												
-+-												
										<u> </u>		
ES:												

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = COLOR, COMP. = COMPONENT, HOIST. = MOISTURE

SHEET 3 OF 3

MALCOLM PIRNIE	100 ESLEDHOWER DR. P.O. BOX 35 PARAMUE, NJ 67665 - 201 TNC MEC- LALA / ///
·	Souther will -145
DATE: 26 Nov. 90	EAF COMPOST SITE PROJECT NO: 1547-01-1
ELEVATION:	LOCATION: TAYLOR LANE, MAMARONEC
SAMPLE	
recov blovs	SOIL DESCRIPTION
no. deotherv 1 per 6"	E E M. COMP., TEX., C., 2nd COMP., TEX.
	BACKGEONIS HNU . 2 ppm
	6" DIA. 572 CASING. 8
	LOCKWG C
SS#1 0'b 2' 75% 1 1	Ipo CONSTR.
SS#1 0'ba' 75% 1 1	FILL, leaf compost some wood fibers the conc. Drk brn, damp. How . 2ppm
	Drk brn, damp. Hu . 2ppm
ST# 2 2' + 4 40% 3 2 2	EATONTE SEAL
St# 2 2 + 4 40% 3 2	FILL, Same, wet in lower spean.
SS# 3 41 × 6' 40% 1 1 4	FILL, 1- sand, silt, and organics
3 4 100 40%	FILL, t-sand, silt, and organics
	FILL, 1- sand, silt, and organics broken glass Angs., dirk brn, wet HNU . Japon
B# 4 6 6 8' 40% 15 14 6	
10 5	Wat Will and Inthe graver, drk orn STAWLESS
	STEEL (3/6)
SP=5 8'A10' 25% 10 9 8	FILL CA SLOTS
75	FILL, some f-c sand and organics,
	Vittle sitt, brick frags, wood frags, dikbrn geace.
S=6 10' p12' 25% 5 5 10	
45	FILL, 3" of same, then 3" of
	drk gray f-c Sand, some gravel, trace SIH (appears to be natural material).
/a	Wet. HNU . Appm
	Bottom of Boring 131
TES: DRILLING CONTR	EMOIRE
<u></u>	IOHN YEATON
DRILLERS HELPER - U	DE RAAB
DRILLING METHOD - A DRILLING RIG - TR	HOLLOW STEM AUGER
COMP. = COMPONENT, HOIST;	T, TEX: = TEXTURE, C. = COLOR; SHEET OF

	And 8000 200	- /
	POST SITE PROJECT NO: 1547-01	
ate: <u>27 Nov 90</u>	LOCATION: TAYLOR LAN	<u>E, MAMAROVEC</u>
LEVATION:	DATUM:	· · · · · · · · · · · · · · · · · · ·
SAMPLE E	SOIL DESCRIPTION	
recov blows L H M	COMP., TEX., C., 2nd COMP., TEX	
no. depth erv 1 ter 6" 255 C.	SOIL DESCRIPTION COMP., TEX., C., 2nd COMP., TEX ; 3rd COMP., ETC., MOIST., OTHER	<u>· ES REMARK</u>
	BACK GROUND HNU . 1 +0.2 ppm.	6" DA. 57 CASNG.
		LOCKING
#1 0'ba' 50% & 1 - F.	ILL, organic, compost, poorly sorted m sand matrix, little grevel, 3" wood	grade
214	·m Sand matrix, little grovel, 3" whead Shee, drk brn, damp, Holy . 12	
	- sur unsaamps ANU . J L	
a 2'44 25% 19:20 2 F	ILL Wood core	2" J.D.
413 11	TLL, Wood core	Stainless St
		(316) Casing Set from 29.
3 4'66' 15% 2 1 4 FI	11 compart pressure for sand and	Delas grade
3476 2 2 1/1	L, compost organics, f-m sand matrix le gravel, wood in shoe, drk brn, domp	·
	-/ -· Z	
4 6 28 10% 1 2	ll, same	Casing (346)
/ 3		Set from
		grade Nith
5 8'AN 45% 15 60 8 FIL	L. organic material. Wood frags	2' Stick up
5 5 700	L, organic meteric, wood frags ty . material, some wire lark, 5" of d core, drk brn, No HAJU.	
	d Core, drk brn, No HAlu.	
6 10 +12 10% 1 2 10 FT	I arean a line and a second	Cement /bone grout place
	L, organ c sana martir, some	1001 place
	, drk brn, wet, No rivis reading. ssible ussin?)	to grade
		Ŭ
	·	
<u> </u>		
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	·	
┼╼╌┼─┼─┼─┥│││	· · ·	
	-	
S: DRILLING CONTR EMP	DIRE	
DRILLER - JOHN	YEATON	MPI INSPECTOR
DRILLERS HELPER - LOE		Edward Weder
DRILLING METHOD - SPIN DRILLING RIG - TRACK	MOUNTED CMC	Edward Weder

· · ·

COMP. = COMPONENT, MOIST. = MOISTURE

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MALUUM BORING MLC-MW-15d PIRNIE MALCOLM PIRNIE INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653 PROJECT: MAMARONERK LEAF COMPOST PROJECT NO: DATE: 27 Nov 90 LOCATION: ELEVATION: DATUM: SOIL DESCRIPTION SAMPLE SOIL DESCRIPTION M. COMP., TEX., C., 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER * VELL CONST DEPTI blows recov cer 6" no. deotherv . REMARKS At 18.5' Spin casing hit high reastance 4" stainless -18' protosbly top of rack Reamed Casing Set from 29.1' with a rock what 5501 201022 50% very weathered Rock 16 17 •20 (for casing man flanes, yot m quarte grains ÍĜ 13 socket) 2' Stick-up rack Hags, grey-green NO / sand pack from to Best grade up Cement = 55#8 257027 Bentonite 100 No" 0 NO RECOVERY 25 placed from Wash material 10 25,5' 25.5' to surface -27 2" I.D stanless steel (36) Casing placen from 29.5" below surface with 2 of stok-up Bentonite Ses/ 29.5' 29' SS#9 30-32 100/311 10% Jame 30 is of weatherea noverial. Rock core. ع ¢ 1. 1. 1. 1. rean 35 Staniess マンナン -40 39.51 Due to contingencies encountered during well installation (2.5 running sants severely weathered zones of learner to an undersimmed clepth) the constr. of this well follows the over burden well constr. rather than the deciv rock well constr. as outlined in the work plan. This decision has been approved by the DEC. NOTES:

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = COLOR, COMP. = COMPONENT, MOIST. = MOISTURE

SHEET 2 OF- 2

	RNI					DOX 36 PARAMUE, NJ 67653		MLC-M	<u>-15</u> s
PRCJT	:::: M	AMALC	WECK .	EAF	COMPOST SITE	PROJECT NO: 15	17-01-	·/	. <u>.</u>
DATE:	20	Nov. "	70			LOCATION: TAYLO	OR LANE	MAM	ARONECI
ELEVA	TIGN:		•			DATUM:	a		
_	SA	MPLE		=	2	SOIL DESCRIPTION	_	. :-	
		recov	blows	แรกจา	W. COMP	TEX., C., 2nd Col		UELL.	
no.	ldeoth i	lerv N	cer 6"	<u> </u>	AC.: 3rd CC	MP., ETC., MOIST.	, OTHER *		REMARK
	P			1	BACKGERN	D HNU 2 pom			
			1						, 6" DIA. 570
	· · ·	╞──┤		·					CASNG. 8
									LOCKING
								[]	
								$H \mid H$	T 18" DIA
						•			18ª CONSTR
ا ر د در	0'102'	10%	, , 	0	FIII am	met 16-d-bin	Cabua	┝┧╎│┝┥	FRLED W
	<u>. 10 m</u>		12	ľ	f. sand and	DOST, Wood Chips, Silt with organics	u me	▏▋▌▖╿▋▌	1'- GROUT
					drk. brn, dan	P. HNU - Ippm	4	••• •••	1'- BENTONI
	a 1	2501	$\frac{1}{12}$	2					- 5'0= 2" I.
F 3	2'+4		415		FILL, Sam	e, with brick fregs, clry HNU 5pp	, and		STAINLE: STEEL (3
			~			a a ge com see	m		CASIALE
				/				E	SCHEDULE FROM 3'BELO GRAVE WITH A
¥3 4	4'\$6'				FILL, Noc	d core, dump, HA	10-100000		STCK-UP. No. 2 SANI
		@	2/ 27						DIALPAN FRANCE
- [O 2.5.
# 4 6	6 10 8'		88		FILL, Wood	, some brick frags, movst, HNU - 1 pp	compost,	目に	TAINLESS
		/	08		are brown,	moist, HNU - Ipp	n .		STEEL (314 SCREEN W
									. 02 " SLOTS SET FROM 13
=5 8	P' to 10'	15% 3	54		FILL, PUN	erized concrete, or	anks,		BELOUI GRADU
			2 4		WET - Satura	erized concrete, on ted, HNU - 90 ppm			RADE.
		<u> </u>							
# 6 11	2 + 12	15% W	0/1/124	2	CLAYEY SIL	T, little f-sand, m	ed-grou		
		/	12		clamp, HNU				
						- / /			
-+-	<u> </u>								
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					1		l.		
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			<u> </u>				-		
			+						
			+						
ES:	DRIL	LING	CONTR		EMPIRE		MRI -	INSPEC	TOR.
		DRILL	ER ·	<u> </u>	OHN YEATON		C.	Alter	tar
		ERS HE		<u>- 10</u>		AIXER	JUNA	1//le	Luxen
	DRILL		<u>EIHOD</u> 2/G -		ACK MOUNTEL				

* NOTE: M. COMP. = MAJOR COMPONENT, TEX: = TEXTURE, C. = COLOR, COMP. = COMPONENT, MOIST: = MOISTURE.

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PIRNIE MALCOLAS PRANTE AN	C. 100 ELSENHOWER DR. P.O. 1	ICX 38 PARAMUE NJ 67653 BORING	MIC-N	W-16
PROJECT: MAMAPONECK	•	PROJECT NO: 1547-01-	/	
DATE: 15 Nov 90	-	LOCATION: TAYLOR LANE		ONECK
ELEVATION:	·····	DATUM:		
SAMPLE	= 2			
no. deoth erv t per 6"	LAND C.; 3rd CC	SOIL DESCRIPTION TEX., C., 2nd COMP., TEX MP., ETC., MOIST., OTHER	MELL CONSI	REMARKS
Image: State of the state	FILL, leat gravel, uppa ark brown, FILL, leat gravel, uppa ark brown, FILL, leat occasional HNU 2.00 FILL, leat Some med.s Wet. HNU FILL, compa NATURAL A t-c SA Poorly sov Bottom a	AND HAU . 2 ppm f compost, cirk brown HAU . 2 ppm compost, some med cand f 1 frags, trace plastic, most. HAU . 2 ppm compost, little f-sand, gravel, cirk brown, clamp. pm sand, little sitt and organica gravel, cirk brown, saturated. m compost, plastic big frags, and, little sitt, cirk. brown · 2 ppm st, wood frag, med. sand MTERIAL ~ 11.5' ND, some gravel, little sitt ted, light brn, wet. Halv. 2 pp of Borng 12'		- 6" DA. PROTECTIVE STEEL CASING. IS" DIA. IS" CONSTE. TUBE FILLED WITH CONC. 6" GEOUT 6" BENTONITE SEAL 3,5 ' OF STRINLESS STEEL ROSER, SET FROM 1.5 'BELOW GRADE WITH A 2' STRIC-UP. #2 SAND PACK FROM 1.3' BELOW GRADE UP TO 1.5' NO' OF 2 WEN JD STRULESS STEELL (36) SCREEN WITH .02 MCN 3LOTS. SET FROM 11.5' BELOW GRADE UP TO 1.5'
DRILLERS HELPER -	- UCHN YEATON - UCE RAAB		111.	1
DRILLING METHOD -	- HOLLOW STEM	AUGERS ANATA	Vhenn	ten
DRILLING RIG -	TRACK MOUNTEL			
NOTE: M. COMP. = MAJOR COMP	ONENT: TEX: = TEX	CTURE, C. = COLOR,	HEET / O	E= /

COMP. MAJOR COMPON E, C. NOTE: M. ENT, T Χ. Т COMP. = COMPONENT, HOIST. = MOISTURE

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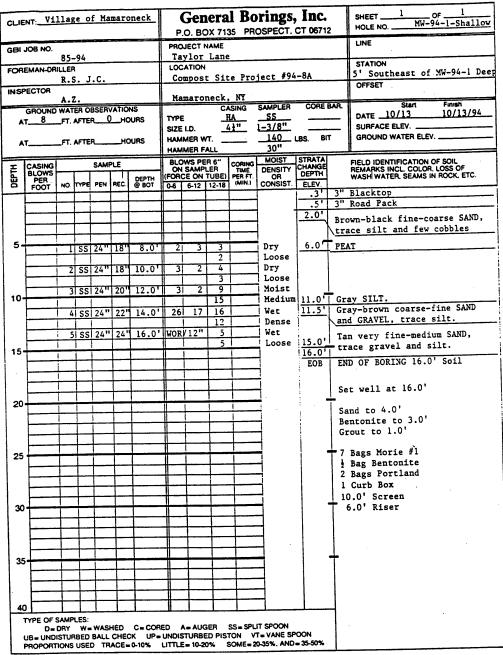
· -1 <u>.</u>... UΣ •

2

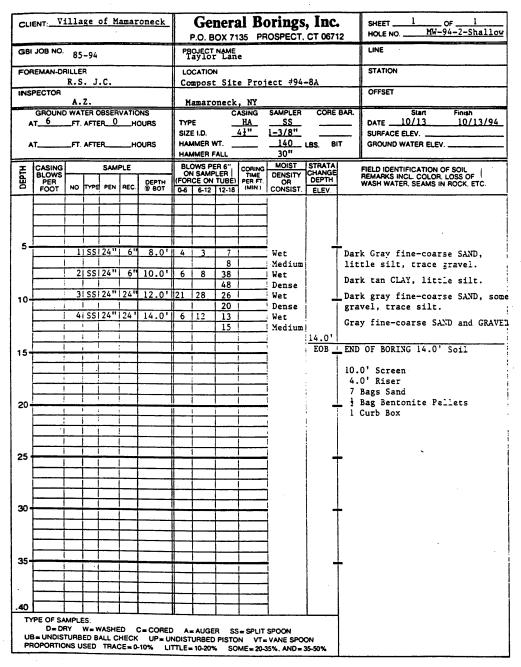
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PIRNIE MALCOLM PIRME INC. 100 ESEMINOW	IR OR P.O. BOX 36 PARAMULE NJ 67653 BORING _MLC-MW-17
PROJECT: MAMALONECK LEAF COMA	STE PROJECT NO: 1547-01-1
DATE: 15 Nov. '90	LOCATION: TAYLOR LANE, MAMARONEC
ELEVATION:	DATUM:
Stupt 7	SOIL DESCRIPTION
	COMP., TEX., C., 2nd COMP., TEX. IN 3rd COMP., ETC., MOIST., OTHER • IO REMARK
no. depth erv a per 6" 2 5 C.:	3rd COMP., ETC., MOIST., OTHER . 20 REMAR
	KGROUND HNU - 2,000
— —}	6 Dua. 57 CASWG.
	Locking .
╺━┼━━┼━┤│││	I P CONST
5#1 0'ha' 75% 3 8 0 FIL	L. Top 2" compost 14" poor 14
<u> </u>	ted f-c sand and gravel, 2" of the ground
	L, top 2" compast, 14" peorly ted f-C Sand and gravel, 2" of In shoe of speen, drk brown, damp.
	, upper 4" of poor 14 sorted f-c 5'af 2" I
201/1 Sa	nd and gravel, Infle sitt, drk bin :: TAINLE
dan	np. HNU · 2 ppm CASING.
34'66' 25% 544 FIL	comment what have some alway in the with 2'of
55 drk	brn, wet, HNU on wood - 2 ppm
	brn, wet, HNU on wood - 2 pp m
4 6'88' 15% 7 18 6 FILL	Came (marks w/a.b.)
37 100/2 HW	, same (maybe wash)
	SCREEN W
5 8'10' 15% 11 9 8 FILL	, organics with f. C. Sand matrix
10 8 000	fragmented lock drk hrn
	tragmented tock, drk brn bk, saturated. HNU .2
4 10 1/2 25% 2 3 10 FILL	Camp with work finds to as
4 5 grad	, same with wood frags, trace
HAU	
	Bottom of Boring 14'
╶┼╼╾┼╍┼╌┥ │ │	
S: DRILLING CONTR EMPIR	
<u>DRILLER - JOHN Y</u> DRILLERS HELPER - JOE RI	
DRILLING METHOD - HOLLOW	
	WINTED CME

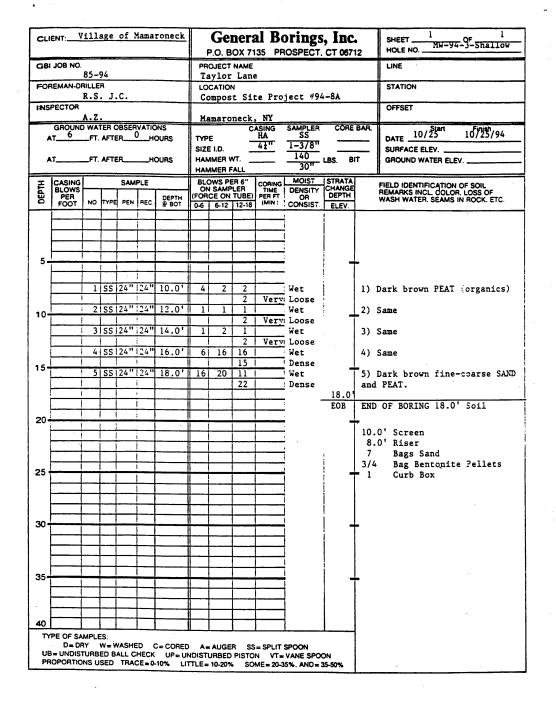
COMP. = COMPONENT, MOIST. = MOISTURE.



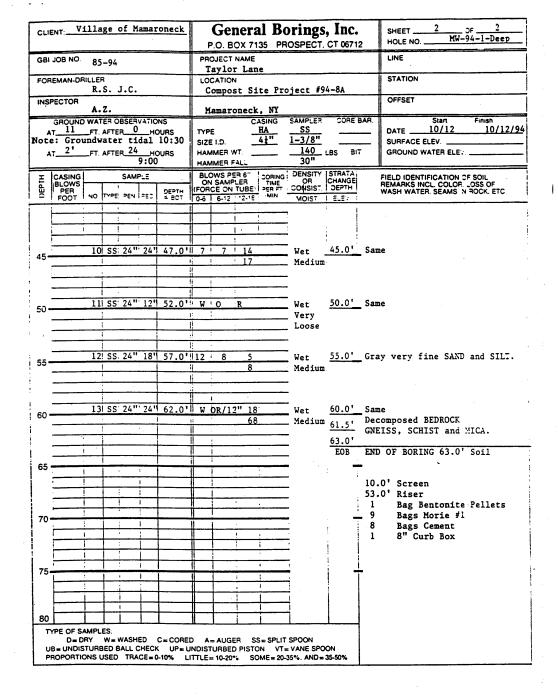
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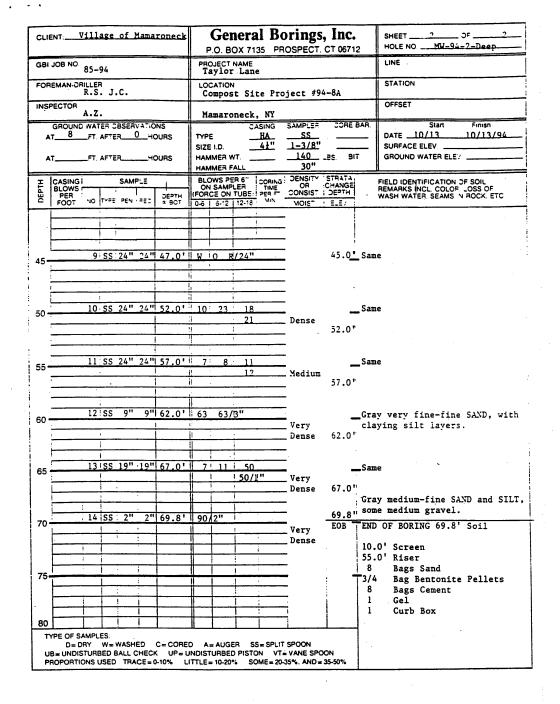
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CLIE	ENT: VI	.11a	ge o	of Ma	mar	oneck					OSPECT.	SHEETOF HOLE NOMW-94-1-Deep			
GBI	JOB NO.	85-	-94				Contract of the	JECT JULOT						LINE	
FOR	EMAN-DR					L	CATION					STATION			
	FOREMAN-DRILLER R.S. J.C.									te Pro	ject #94		·		
INSP	PECTOR												OFFSET		
	GROUND	A.	TER O	BSER	VATIO	NS	<u> Ma</u>	amaro		ASING	SAMPLER	CORE	BAR.	Stan Finish	
A	т_11_	_FT.	AFTE	R_0	нс	OURS	TYP	-	_	<u>HA</u>	<u>SS</u>			DATE 10/11 10/12/94	
	_	_		-	• • •		SIZE	: I.D. IMER V	_	41"	1-3/8" 140		,		
A	т	_FT.	AFIE	.r	H(JUKS		MER F			30"				
ΞĪ	CASING			SAM	PLE		BLC	WS PE	R 6"	CORING	MOIST	STRATA		FIELD IDENTIFICATION OF SOIL	
DEPTH	BLOWS					рертн Э вот	(FOR	CE ON	TUBE)	TIME PER FT	DENSITY	DEPTH	1.	REMARKS INCL. COLOR. LOSS OF WASH WATER, SEAMS IN ROCK, ETC.	
Ō	PER FOOT	NO	· · · ·	PEN	REC			6-12 19	12-18 9		Dry	ELEV		Blacktop	
		┝─┶	55	24"	18"	3.0'	28	19	10		Medium	2.0'			
		;		<u> </u>							1	<u> </u>	X	ck-brown fine-medium SAND, tle silt, trace gravel.	
]				
5-		2	SS	24"	10"	7.0'	50	42	18	<u></u>	Moist Verv	5.0'		Cobbles and boulders	
			\vdash						<u> </u>	<u> </u>	Dense	7.0'		wn-black fine-medium SAND,	
														e silt, trace gravel.	
							<u> </u>		ļ			10.01		- 10 5! Post	
10-	<u> </u>	3	1 SS	24"	1"	12.0'	4		4	<u> </u>	Moist Loose	10.0'	sam	ne 10.5' Peat	
	<u> </u>			I					Ľ	L			ł		
											-	13.0'	Cha	inge	
		 	60	24"	8'	17.0'	10	8	10		Wet	15.0'	Bro	own fine SAND, trace medium	
15-		4	33	24		11.0	10	0	10	i	Medium			nd and gravel.	
														-	
		<u> </u>	<u>آ</u> ــــا	<u> </u>	<u> </u>		<u> </u>			<u> </u>	-		l		
		-	55	24'	24"	22.0'	14	12	13	+	Wet	20.0'	 Tan	n fine SAND, little silt.	
20-							Ľ	£	12	<u> </u>	Medium		-	av fine SAND, little silt,	
				ļ	\vdash		F		<u> </u>		-	<u></u>		ace medium sand.	
		_	┨─┤		+		╢──		 		i ·				
		6	ss	24"	24'	27.0'	8	6	7		Wet	25.0	Gra	ay very fine-fine SAND,	
25 •									8		Medium			ttle to trace silt.	
		<u> </u>				<u> </u>	╂	<u> </u>	 		+		1		
		1	+		+	<u> </u>	╟──	1	1	1	j				
30-		7	SS	24"	24	32.0'	11	12	_		Wet	30.0	L Gra	ay-brown coarse to fine	
'	L	ļ	\vdash	<u> </u>	\vdash	<u> </u>	#	\vdash	22	<u> </u>	Medium	<u>ا</u>	SAN	ND, some gravel, trace silt.	
I		+	+		+-	+	-	┨	+	+	1	1 ·	1		
]				
35-			s ss	24"	24'	37.0'	26	12	_	the second second second second second second second second second second second second second second second se	Wet	35.0'	L Sar	пе	
1~	ļ	+		 	+	<u> </u>		╂───	8	+	_ Medium	u			
	<u> </u>	\mathbf{t}	1	<u> </u>		L	1		L	<u> </u>	j				
ŀ		<u> </u>	\square	<u> </u>	<u> </u>	<u></u>			<u> </u>	<u> </u>	-		1		
40	<u> </u>	<u> </u>	9 ss	24"	24	42.0	1	5 8	10	<u> </u>	Wet	40.01		ay very fine-fine SAND,	
٦	YPE OF SA D = D			WASH	ED	C= CORE	0 A.	= AUGE	20 ER S	S=SPLIT	Medium SPOON	4	1.11	ttle silt.	
	B= UNDIS	STURE	BED B	BALL C	CHECH	K UP=U	JNDIST	URBEC	D PISTO	ON VT	= VANE SPO				
1 194	HOPOHTK	UNS (USED			0-1076 L	HILE	= 10-20	7e S(JME = 20-	-35%. AND=	33-30%	ł		



CLI	ENT: V	111;	age	of 1	iama	roneck	1				OSPECT.	41.	SHEET <u>1</u> OF <u>2</u> HOLE NO. <u>MW-94-2 Deep</u>			
GBI	GBI JOB NO. 85-94								NAME	2		1	LINE			
FOF	FOREMAN-DRILLER R.S. J.C.							CATION	4		ject #94		STATION			
INS	INSPECTOR A.Z.							maro			<u></u>	-	OFFSET			
	GROUND	WAT	TER C							ASING	SAMPLER	CORE	BAR.	Start Finish		
. •	т <u>8</u> т	_FT.	AFTE	R	<u>0_н</u> с	DURS	TYPI SIZE	E ; I.D.	-	HA 41"	<u>SS</u> <u>1-3/8</u> "			DATE 10/14 10/14/94		
A	.TT	_FT.	AFTE	R	н	JURS	HAN	MER V	-		<u>140</u> 30"	LBS. B	т			
	CASING	_	_	SAM			BLC	WER F	R 6"	CORING	MOIST	STRATA	<u>1</u>			
DEPTH	BLOWS				T	DEPTH	ON (FOR	SAMP	LER TUBE)	TIME PER FT.	DENSITY	DEPTH	RE	ELD IDENTIFICATION OF SOIL MARKS INCL. COLOR. LOSS OF ASH WATER. SEAMS IN ROCK. ETC.		
	FOOT	NO	TYPE	PEN	REC	@ BOT	0-6	6-12	12-18	(MIN)	CONSIST.	ELEV	Black			
				_							1		Road			
					-								Brow	n fine-medium SAND and MICA		
5-		_	-	_	20"	7.0'	15	12				5.0' 5.8'-	litt - PEAT	le-some silt.		
-									2	ļ	Medium					
					Ĺ											
_		2	ISS	24"	20"	12.0'	12	15	14		-	9.0' 10.0'_	Chan Grav	ge coarse to fine SAND and		
10-									28		Loose		GRAV	EL, trace silt.		
			:	[
		_	<u> </u>							İ						
15-	· · · ·				118"	17.0'	12	6_	6		Medium	15.0'	_ Same			
				[1											
			†—		┢──				1		1					
20.		4	_		24"	22.0',			7	1		21 01		fine-medium SAND, trace		
				<u> </u>	+				38	1	Medium		silt			
					1		<u> </u>		[1					
25			ss	24"	24"	27.0'	5	4	3		1					
25			-		-	[-		2		Loose					
											1					
		6		241	241	32.0'	t ion	4	3]	29.0'	Same	•		
30		- - 0	133	24	1.24	32.0*	WUR	4	8		Loose	-				
					+	 	┨				-					
				-							1					
35	1	7	ISS	24"	24'	37.0	4	5	7	1	Medium			gray very fine-fine SAND, Le to some silt.		
ŀ			1	1						1				LE LO GOME GALL.		
			┼			<u> </u>	-	. 	-		4					
40		8	SS	24"	24	42.0	WOR	112"	8		1	40.0'	Same			
Т	YPE OF S			WASH	ED	C = CORE	. .		7 ERS		Medium SPOON					
	B= UNDIS	TUR	BED B	BALL (CHECI	< UP#U	NDIST	URBED	PISTO	N VT	VANE SPO					



CLIENT: Village of Mamaroneck								Gei	1er2 0X 71	al Bo 35 PR	OSPECT.	SHEET OF HOLE NO					
GBI JOB NO. 85-94								JECT ylor	NAME Lan	B		LINE					
FOREMAN-DRILLER R.S. J.C.								CATION		te Pro	ject #94	STATION	STATION				
INSI	PECTOR	A.Z							neck			OFFSET					
		WAT	ER C				ТҮР			ASING HA	SAMPLER SS	CORE	AR. Start Finis DATE 10/26 10/2				
							SIZE	1.D.		42"	1-3/8"		SURFACE ELEV				
	T	_FT.	AFTE	R	но	DURS	n	IMER V IMER F	_		30"	LBS. BI	GROUND WATER ELEV.				
DEPTH	CASING	+	I	SAM	PLE		BLOWS PER 6" CORING ON SAMPLER TIME (FORCE ON TUBE) PER FT.				DENSITY	STRATA CHANGE DEPTH	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR. LOSS (DF E			
B	PER FOOT	NO	TYPE	PEN	PEC.	DEPTH @ 90T	0-6	6-12	12-18	(MIN.)	OR CONSIST	ELEV.	WASH WATER. SEAMS IN ROCK	, ETC.			
							<u> </u>							1			
							╟───							-			
5-		1	SS	24"	124"	7.0'	18	15	5		Wet Loose	-	 Gray fine-medium SAND fine gravel. 	, trace			
			_								20000		8				
10-					24"	12.0'		والمستقدر بمستعط المت	<u> 2</u> 3	1	Wet Loose	-	2) Dark brown PEAT.				
			-														
				:	-	17.01	1										
15		3	155	24"	1	17.0'		I	13	1	Wet Loose	-	3) Gray fine-medium SAND silt.	, trace			
			<u> </u>		<u> </u> :		11	!									
		4	55		1	22.0'	8		1		Wet		4) Same				
20	L	1					-		6		Mediu:	-					
									1								
		5	SS	124"	 <u>2</u> 4"	27.0'	3	4	6		Wet	_	5) Gray fine-medium SAN) and			
25	— —		-	<u> </u>	1			1	6		Medium		GRAVEL, trace silt.				
				_			1-		<u> </u>	<u> </u>							
30 ·		6	ss	124"	8"	32.0'	4	11	46		Wet	-	6) Gray fine SAND and f:				
			-		1				70	Very	Dense	. 32.0	coarse GRAVEL and ROCX 1				
			F		\square			-			4	EOB	END OF BORING 32.0 Soi	1			
35				1	-	ļ	-						20.0' Riser 10.0' Screen				
		<u> </u>				<u> </u>			1	1	1	i	8 Bags Sand				
					-						1		3 Bags Grout 1 Bag Bentonite Pel	lets			
40			E 5.		1	1		1			1	I	1 Curb Box				
	YPE OF S D≠ 0 8 - UNDIS	RY	W=		ED			= AUG	ER S	S=SPLIT	SPOON	ON					
P	ROPORTI	ONS	USEC	TRA	CE=(-10% L	ITTLE	= 10-20	% S(DME = 20-	35%. AND=	35-50%					

PROIT	ECT. MA	1110		rV	15		COMPOST PROJECT NO: 1547-01-1
DATE		29/				1	
	- 7	<u>XY /</u>	7%				
ELEV.	ATION:	NIA	_			TC	DATUM:
	1 34	MPLE	ovs	ĮĘ	ĮĘ	SOIL DESCRIPTION	
no.	depth	recov		er 6"	ILL DEPTI	STRAT/	M. COMP., TEX., C., 2nd COMP., TEX.
/	0-2	75	15	10	<u>†</u> –		FILL; m, -f. sand, rock frags, wood, and a set of same organics. HAU I.2, brown.
		/ <u> </u>	9	24]		- some organics. HAU 1.2, brown.
	<u> </u>						
		77-	10	9	-2		
<u></u>	2-4	75	17	20	4		FILL; same HNU 1.5, drk brown to gray.
	+		₩	120	1		to gray.
				· -	4		
3	46	10	19	16	Ī		FILL', rock fragments, wet, petrol. odor 1
	┥────		14	8		[FILL', rock fragments, wet, petrol. odor HNU 10.0
4.	6-8	10	17	17	6		FILL; m. f. sand, little sitt, rack frage
			4	11	1		compast, HAILy 45
						=	
					-8	F	
5	8-10	10	3	4	ł	L-	- FILL; same, HNU 60
			 ^ -	 /	ł		
					0		
4	10-12	0	6	12	Ţ~		No Recovery; a white foff-white substance with the consistancy of grease is since red on the some plens exterior. HNU-60
			22	3		2	with the consistancy of grease is
				┼	1	N N	Stated on the some plens exterior.
7	12-14	0	17	1	-12	2	Same - it is possible the spoon sampler
/			2	1]		ponetrated a buried drum. How To
			<u> </u>	ļ	. .	à	
~	14-110	10	3		- 14	R	Bungh " Luchar " a hadrage (11) - # 10 Sand P
4	17 100	10	2	2	t	X	Black, "sludgy" substance, pungeant
					1	2	odor. HNU 70
			1		10	2	
9	16-18	75	4	13	ľ		SILT and organic material (peat?)
							plastic bag fragmonts. HNU 25 0000 00 Bentonit
						뮾	
10	18-20	40	4	9	18		fm. SAND, some gravel, little csand, little sitt, grading to fsand and sitt at 19.8'. HNU 5.0, yellow/orang Riser
			22	37			and sitt at 198' while 5 a wellow/arang
							and sitt of 19.8'. HNU 5.0, yellow/orang Riser
11	22-24	50		27	- 20		Same; metal fragments observed in 2" PVC
			23	27			Some; metal fragments observed in 2" PVC the tip of spoon. How 5.0 10 500 10 10 500
						o. , e.	Scree.
	<u> </u>	— .			-20		
OTES	: DR	ILLIN	G C	CONT	R.	Ē	EMPIRE
		ILLER			0		BRIAN WAGNER
		LING					ALT KETTER
		LING					OLLOW STEM AUGER

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MALCOLM BORING <u>PZ-/</u> 105 EISENHOWER DR. P.O. COX 26 PROJECT NO: 1547-01-1 PRCJECT: MAMARONECK LEAF COMPOST LOCATION: TAYLOR LANE, MAMARONECK DATE: 29/*9*2 NIA ELEVATION: DATUM: SAMPLE M. COMP., TEX., C., 2nd COMP., TEX C.: 3rd COMP., ETC., MOIST., OTHER SOIL DESCRIPTION DEPTI CONSI JUSH blows recov TEX ver 6" no. deoth erv REMARKS 22.24 50 18 13 M. - SAND, little c.- gravel, grading from gray to orange/yellow. HNU 2 14 M.-C. SAND, some gravel, orange-yellow. HNU T.O -24 9 13 24-26 50 10 8 10 -26 Same; HNU 5.0 12 9 215-28 40 14 8 8 ·28 Same; grading to gray, HNU 4.0 28-30 50 15 X 120 19 9. Z f.-m. SAND, little gravel; HNU 3.0 -35 35-37 40 76 816 37 4 Same, with rk frags (weathered th) 13 22 40-42 80 55 ros/5 Bottom of boring 41.5 42 DRILLING CONTR. NOTES: EMPIRE BRIAN WAGNER DRILLER DRILLERS HELPER <u>WALT KETTER</u> <u>DRILLING METHOD</u> <u>HOLLOW STEM AUGER</u> RIG DRILLING SHEET 2 OF 2 COMP. = MAJOR COMPONENT. TEXTURE, C. = COLOR.

	RNIE		ALE F				PPOJECT NO: /S		<u> </u>	
DATE					<u>v-</u>	umpost_				
	TION:	<u>/ 30</u> N/A	<u> </u>			·	LOCATION: TAYLO	<u>JK LANË</u>	, MAMAR	ONECK_
	·····	HPLE			15		DATUM: SOIL DESCRIPTIO	NT		· · ·
	1	recov	blows	DEPTI	12	M. COMP.,	SOIL DESCRIPTIO TEX., C., 2nd C MP., ETC., MOIST	OMP. TEX.	HELL CONST	•
no.	deoth		per 6'	90	E.					REMARKS
1	0.2	50	WH 3	4		FILL; +	- Samac, Intile Sitt ents, rock fragmen	t, compost	000 000 000	HNLI backg .6
	┼		57	-				15	5 6	.6
				1,	-	dark brown	, HNU 1.0			
2	2-4	50	88	Τ ~		FILL ; 7	f. sanch, little si broken glass, we	H. kaf		
			98	-	-	compost,	broken glass, we	t, gray-blk.	目下	
	 				Ē	HNU 1.0				
3	4-6	.O_	76	<u></u> ‡4	-	No Reca	1917 / / .			
	ļ		9 6		1		7.		[:昌:] [:	
				-	E	1			[1]]	
4	6-8	75	54	+6	-		itt (Pil Frank 1	lack wot		
			412	1		Product ~	111 , (fill trags) & tor , 11NN 100	mun wer		
					<u> </u>	product de				
	8-10	25	22	+8)		目:	
<u> </u>	8-10	<u> </u>	43	4	-	FILL; t.	ⁿ -sand, sitt, br ck; <u>HNU 120</u>	oken glass		
				1		wood, 6/a	ck ; <u>HNU 120</u>		目に	
				10						
6	10-12	25	21	4		Peat / C	mpost, drk brown	r, HNU 500	相日	
	<u> </u>		- <u>/ /</u> -	1						
				1/2						
7_	12-14	30	34	-		Same w	ith some sitt; 1	4NU 50,0		
			4 .4	1			· · · · · · · · · · · · · · · · · · ·			#10
				1,4		C	1 -: 4 - 14/4	10		- Sand
8	14-16	75	16 12	1 ′ ⁺		<u>Jame a</u>	nd sitt; HNU	10.0		Pac
			13 15	4				•		1
			┝╼╼╼┨╼╼╼	١.			· ·	,		
9	16-18	80	15 18	1%		Jame to	5 17.5' then q	racing to		Bestoring Pello
			16 14	-		orange /ye	How fm. SAK	, trace		Pelle S
	 			┥		SITT , OCCA.	sional gravel. H	NU 6.0		
10	18-20	40	16 17	-18		Same				2" P
			14 14	1		Same				Ris
	<u> </u>		└── <mark>┤──</mark> ──	4		Some to	21; then f.	sand		
<u> </u>	20-22	15	12 14	+20		and layer	red m-sand oc		: :::目	2"PVC
			15 13				gers. HNU 2.0			10 510
	 			-						5610
			┝╼╢──	- 22					[]	
NOTES	: DR	ILLING	- Cont	R.		MPIRE				
	DR	ILLEN	٢			BRIAN WAGI				
*		<u>LLERS</u> LLING	HELP	_		ALT KETT	MAUGER			

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i.

5.

PRCJT	ст: <u>М</u> А	MARC	NE	ck	LEA	F	COMPOST PROJECT NO: 1547-01-1		
DATE:		1	30	192			LOCATION: TAYLOR LANE	MAMAR	NE
ELEVA	TICN:	NIA	,				DATUM:		
	SA	NPLE			=	È	SOIL DESCRIPTION	. ::	
no.	depth	recov erv 1		avs r 6"	DEPTI	STRAT/	M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *	VIELL VIELL	RE
12	22.24		12	115	<u> ~~</u>				
			/3	16].		M. SAND, some gravel and Csand Gellow / orange, Holu 2.0.	目	
ļ	 	 	┨────		Į		·/-···/····/······	二目	
13	24-26	50	12	8	-24				
<u> </u>	1 310		13	13	ſ		Same; interbedded layers of	[]]	1
]		fm. sand and Csand . HAJU 2.0		1
					-26		·		1
14	26-28	60	18				Same to 27.5' then grading to tan/gray f SAND, HNU 8.0		1
	<u>}</u>		22	10	1		tan/gray <u>f SAND</u> , HNU 8.0'		I
	[二目	
15	28-30	70	14	21	† 28		Same ; HN4 4.0		
	ļ		23	1/5	{		Sume, my 1.0		
		<u> </u>		<u> </u>					
					- 30				
				<u> </u>	1	•			
					32			· · · · · ·	
]			(i i i i i i i i i i i i i i i i i i i	
	35-37		11	27	-35		Same; little m sand, rk. frags in		
11a	30-37	60	25				the tip of spoon. HNU		
									c .
					-57				End
				ļ	{ 1				Beqir. 1/
17	38-40	25	39	40	-38		green /gray very fine "pasty" matrix with large (2"dia) rk frags at 39' HNU 14. (weathered rk?)		/ /
1			36		1		with large (2" dia) rk frags at 39'		ĺ.
]		HNU 14. (weathered rk?)	i 1	ł
	40.100	25	<u></u>		40				1
.18	40-:42	<u>x</u> 2	45 65		i .		Rock frags in tip and coarse	· /	ł
					1		sand above	ł	{
					42				
					~		Bottom of boring		ł
					1		(auger refusal)	ļ ¹	1
					1		(auger refusal) top of bedrock.	;	1
NOTES		ILLING		ONT	<u>R.</u>	_	MPIRE		
		<u>ILLEI</u> L <u>ER</u> S		LPF	R	_	SRIAN WAGNER VALT KETTER		
		LLING				_	OLLOW STEM AUGER		

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			OLM PI	RINE, IN			HOWER DR. P.Q. SO	X 26 PARAMUS.	NJ 07863	BORING		-3	
				CK.	LEI	1E	COMPOST			7-01-1	, 	_	
DATE		28/9	<u>ı</u>					LOCATION:	TAYLO	DR LANE	= <u>, M</u> /	MA	RONECK
ELEVI	ATION:	N/A					the second second second second second second second second second second second second second second second s	DATUM:	<u>. </u>			_	
	<u></u>	MPLE recov	l bl	ovs	DEPTH	S'FRAT'	M. COMP., 1	SOIL DESCI		D TEY	1		
no.	depth			<u>r 6"</u>	130	E.	C.: 3rd CON	1P., ETC.,	MOIST.,	OTHER *	UELL.	5	REMARK
	0-2	75	14	17			FILL; bro staq (ash?)					69	HAU Back
		┣━━━	22	43			slag (ash?)	conc.chips	HNLS	1.2		°.	•6
					-2		· ·		,		目	[·]	
2	2-4	75	14			<u>E</u>	<u>FILL</u> ; son HNU 2.8	me (broken	glass) son	re organis	.특.		
	<u> </u>		/2	25		E	HNU 2.8		, ,	5	目	4	
				<u> </u>	- 4	E					티브니		
3	4-6	50	12	<u>//</u>	T	<u> </u>	<u>FILL</u> ; sa silt, petrol.	m = - occ	asimal	HALL 2 -	目		
			6	6			petrol.	/solvent a	dor. wet		[目]		
					-6						:目:		
4	6-8	50	the second second second second second second second second second second second second second second second s	3	-		FILL; m. fra.	-sana,	little sift	; metal	:目:		
	+		100/	<u>~ ی</u>			tra	95 (appears 1 2.5	to be alu	monum).	目		
					- 8	Ē		~ ~·>			1		
5	8-10	60	3	No H			FILL; SON	ne.			[目]		
			/	~0H		Ē	/				[目]		
					- 10		1				[目:]		
4	10-12	0					-						
			$\left \right\rangle$	/									#10
					- 12		EII.	<u>н</u> о		•,,			Sand
7_	12-14	50	3	25			FILL; SII material (pa	T, some ti	alass mot	10 organic			Pa
	†		-				HAU 1.0.	-//(0/2/0/	/·,	-77	0000	0	• • •
					- 14		0				000	ן לין	E- Bento Pello
\$	14-11a	40	3 4	1/ 6			$\frac{f_{,-}SAND}{m-c}$,	some grave	el , Ittle ;	sitt and			Se
				<i>©</i>			m-c sand, HNU.6	orangë/yei	iow, porly	sorted-			3 -
0					-16					1/un to		;	
Ζ	16-18	40	7 6	7			mc. SANL	J Some la	rye yrae			.	Rise
					•		2" dia.), trac					目:	
					- 18		M SAND	little grad	el, trace	sitt		剧	
10	18-20	100	5	6			grey. HNU	.6	,			囙	2"PV
									_	and in the	· · · · ·	目:	
	10 00	40	7 1	, 1	-20		MC SANZ	yellow/on	mge; 9	raaing 70		目:	Scr
<i>4</i>	20-22	40		5			fm. sand. little sitt, po	orly sorter	I jarge	Travel		目:1	
				_			, nic 311, po	any sorred	- 1770 -	6		目	
	 				. 22							剧	• .
OTES	:	PILLING	5 C	ONT	R.	يد.	MPIRE						
	DR	ILLER	, 			В	RIAN WAGN						
		LING					<u>ALT KETTER</u> OLLOW STER						

MALCOLM PIRNIE WE ING. 100 EISENHOWER DR. P.O. BOX 38 BORING PZ-3 PARAMUE, NJ 07063 PROJECT: MAMARONECK LEAF COMPOST PPOJECT NO: 1547-01-1 DATE: 28/92 LOCATION: TAYLOR LANE MAMARONECK ELEVATION: N DATUM: SAMPLE SOIL DESCRIPTION **TRAT** 17930 blows recovi M. COMP VELL TEX., C., 2nd COMP. TEX per 6" no. depth C.: 3rd COMP., ETC., MOIST erv OTHER REMARKS 12 22-24 SAND, little coarse and 40 10 11 f;-m. little gravel, trace sitt (grz. sand, 9 micaceous). HNU .8 24 13 24-26 25 11 9 Same; HNU.6 8 10 .26 28 No Recovery-30 14 30-32 Ō 10 13 416 32 f.-m. SAND, little coarse sand and grovel trace sitt, grey, HNU.6 35 15 35-37 40 15 5 8 6 37 M-C, SAND, Inthe gravel (up to 1.5"dia) poorly sorted, yellow/gray, HNU.6 40 40-44 16. 40 17 27 42 Same 44 NOTES: DRILLING CONTR. EMPIRE DRILLER BRIAN WAGNER DRILLERS HELPER WALT KETTER DRILLING METHOD HOLLOW STEM AUGER DRILLING RIG MOUNTED CME NOTE: M. COMP. MAJOR SHEFT 2 OF

PI	RNIE	MALC	ola Pirn	NE, ING. 10	0 EISE)	HOWER DR. P.O. 8	CX 38 PARAMAS.	NI CARES B	ORING Z	<u>97-3</u>	
PRCJE	T: MA	MARO	NEC	K LE	AE	COMPOST	PROJECT N	n: 1547	01-1		
DATE:	1/28	<u> 92_</u>				·	LOCATION:	TAYLOR	LANE	MAMA	RONECK
ELEVA	/	N/A					DATUM:				
	<u>Sai</u>	IPLE			E E		SOIL DESC	RIPTION		1	
no.	depth	recov	blo		L'R	M. COMP., C.; 3rd CC	TEX., C.,	2nd COMP.	TEX.	UELL CONST	REAPK
17	45-47		45 14					101310	IALR -	<u>= 0</u>	
	/ <u>··</u> /		100 11			f- SANI		re thered	rk		
						f SANI frags in	+n ~ 5m	n.	~		
						inays in	190 07 Spice			}	
						Batton	of Bori	m A1 5'	-		•
								7 46.5	}	{	
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										ł	
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		╞╾╼┥									
NOTES		ILLER		NTR		EMPIRE RRIAN WAG	NER	<u> </u>	<u> </u>		
		LLER		PER	K	IALT KETTE	R				
	DRI	LING	METH	HOD	H	OLLOW ST	EM ALGER				

<u> </u>	RNIE		CLM PIRME	ING. 10	0 EISE)	HOWER DR. P.O. BOX 38 PARAMUE, NJ 87683 BORING	<u> PZ - 4</u>	-
PRCJ	ET: MA	AMARC	NECK	C LE	AF	COMPOST PROJECT NO: 1547-01-1		
DATE	: _ /]	23/92	2			LOCATION: TAYLOR LANE	E. MAMA	RONECK
ELEV/	ATION:	NI	A			DATUM:		
	SA	MPLE			Ē	SOIL DESCRIPTION	=	
		recov	1		ΙÆ	SOIL DESCRIPTION M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER •	SNO:	
<u>no.</u>	Ideoth			_			20	REMARK
	0-2	20	3 6	-		FILL; drk brown organic soil, little f-sance, occasional rock		
						fragmonts, remnant leaf bags. HNU.8		
				-2			目下	
2	2-4	100	3 6	+ <u>2</u> - ⊻		FILL; (metal frags, decayed wood)		
	┼╌┯╌		1 10	-1		FILL; (metal frags, decayed wood) HNU.B (Collected for analysis).	自己	
				34	=			
.3	4-la	0	87			No Recovery.		
<u></u>	┼───	┼───	52	-				
								#10 5an
4	6-8	0	212	- 0		No Recovery		. Pa
	<u> </u>	<u> </u>	1/12	_				
			<u> </u>		F			
5	8-10	80	4 5	+8		Dik brown PEAT (um f		Benton
			53			the tip is gran I- shall will a		Pene
			┣──┼──			Drk brown, PEAT (wood frags); in the tip is gray <u>f.</u> -SAND, HNU. 4 (collected for analysis).		Se
6	10-12	30	5 7	-10		to low m- Shit to		
			68	1		tan/gray m SAND, trace sitt, occasional rock frag., wet HNU .4-		
7	12-14	50	85	+12		mc. SAND, grading to fsand at		
/	VX IT_		78	_		14'.		•
				.				
				- 14		f SAND and SILT down to 15' (some banding); layer of C sand(4").		Rise
¥	14-16.	-50	5 8			(Some unicidity) Juger of (:- Sama(T).		
				1				
				716		gray fm. SAND, very micaleous.		
9	16-18	100	10 11 9 8			///	1211日	- 1
	<u>}</u>		7 8	-				2"PV(
				18		AR I A TO TO TO TO	日間	10 51 525
6	18-20		14 18			Refusal at 19.5'; fm. SAND,	[[公]]	201
			100/4"	-		rock frags in typ.	◇	
	<u>├</u>			1 20		Matter of 12 - 12 - 12	三副	
						Cottom of Boring 19.8' (to bedrock).		
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OTES			G CON	TR.		MPIRE		
		ILLER	S HELPI	=0		AIAN WAGNER		
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<u>P</u>	LCOL RNIE	MALC	olm Pirnie, I	NC. 100	EISEN	HOWER DR. P.O. BOX 38 PARAMUS, NJ 07653 BORING	<u> PZ-5</u>	• ·
PRCJI	ET: MA	MARC	NECK	LE	4F	COMPOST PROJECT NO: 1547-01-	1	
DATE	. /	/15 /9	2			LOCATION: TAYLOR LAN	E MAMA	RONECK
ELEV	ATION:	N/A				DATUM:		
	SAL	IPLE		E	AT.	SOIL DESCRIPTION M. COMP., TEX., C., 2nd COMP., TEX C.: 3rd COMP., ETC., MOIST., OTHER F///: http://www.chast.organic.sound		
no.	depth	recov	blows per 6'	DEPTI	L'HR	M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER	VIELL.	RELAPK
	6-2	80	3 15	<u> </u>		FILL' brown - black arranic sand	╈┱┲╦┿┿	
			56	-		FILL; brown - black organic sond, Infle sitt, some cinder material, damp	$\{ \mid \} \mid \} \mid \}$	• • •
				4		HNU .2		Bentoni Pe II
2	2-4	100	618	+2		FILL: brown f sand (broken glass		Se
			34			FILL; brown f sand (broken glass orange/black frags of cinder/slag, domp		
· · · ·				4		HAU 1.0		
3	4.6	10	100/14			Same, wet HNU 1.0	問目目	
	{		<u>·</u>	f .		, well And no		
				14				
4	6-8	5	100/3	\mathbf{I}).ė • 0	Rock frags.	目示	
	<u> </u>				00		制制	
	· · ·		1	18	0		「「「「」」	
5	8-10		Spoats Perusal	ł	þ.	Same.		
				1	Da	1/11/99 - Begin to core rock		
				d f	Q.	1/21/92 - Begin to core rock We begin with a roller bit and advance to 11', creating a "socker"		
				4		advance to 11'. Creating a "socket"		
				1		for the shallow pierometer.		
				- 12		Cored rock down to 24.66'		
` <u></u>				1		GREISSIC rock with many vert		
].		Gractures - many mice seams coinciden with the tractures.		Pac
				- 14		with the fractures.		-
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	-			-16	H			
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	<u></u>	NPLE		- 2	STRAT		SOIL					- 5		
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	ICOL			RIME, I	VG. 10	13 213 O	NHOWER DR. P.O. BOX 36 PARAMUS, NJ 67633 BORING	PZ-6
PRCJ	ECT: MA	AMARC		СК	LE	AF	COMPOST PROJECT NO: 1547-01-	1
DATE	: 1/10	/9z					LOCATION: TAYLOR LAN	E . MAMARO
ELEV	ATION:	ЛА					DATUM:	
		MPLE	_			i È		
		recov		ovs	ILL DEPTI	S'FRAT/	M. COMP., TEX., C., 2nd COMP., TEX.	VIEI.I.
<u>no.</u>	depth	· · ·		er 6"	<u> </u>			
<u> </u>	0-2	40	3	17	┥		FILL; sitt and sand with organic	
		-	Ľ		1		matter, cinders, broken glass, brown h	
					12		black, moist HNU.4	
2	<u>a</u> _	50	4		ļ ⁻ `		Same (metal frags, glass) HNu.4	
			2	4	4			
			-	1 .		-		
3	4-6	50	2	17.	4		FILL; bottom 6" grades into a	
			3	3	4		dark gray micaceous sitt, little f. sand moist, HNU.4	
				<u> </u>	4	E		
4	6-8	50	2	13	-6		SILT and f- Shall management	
			3	4	1		SILT and f SAND occasional rock frag, appears to contain some	
							Cinder/slag. wet, HNU.4	
					-8			
_5	8-10	50	9	19	┥	2:0	Weathered rock; gness and chlorite	
	┥──┥		10	1	1		schist.	
				·	0	0		
6	10-12	10	14	21			Course with a thread and an an	
	┥──┤		52	25	 .	0	Same, with silt and sand seams (mica ceous).	
			 	<u> </u>	†	KO .		
7	12-14	50	45	32_			gray-black rock frags very weathered	
/			IA-	roof.	1	<u>þÖ</u>	mica schot f. sand anci sitt	
	<u> </u>				ł	N.	gray-black rock frags very weathered. mica schost f. sand ance sitt throughout (weathered). HNU. 4	
	<u>+-</u>				-14-		Refusal encountered at 14';	
-					1		•	
					l		However we were able to advance the augers with little or no resistance to	
					16		the desired screened depth of 23'.	
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• NOTE: M. COMP. = MAJOR COMPONENT. TEX. = TEXTURE. C. = COLOR.

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		MPLE	<u> </u>			Ξ	1		RTPTO	N		- 1		
		recov		ovs	DEPTI	R	M. COMP	TEXC.,	2nd C	OMP., T	EX.	VELL CONST		
no.	depth	erv 1	De	<u>r 6"</u>	30	5	M. COMP., C.: 3rd CC	MP., ETC.,	MOIST	OTHE	R •	3 OS	REMAR	<u>!KS</u>
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FROJECT: MAMABONIECK LEAF COMPOST PROJECT NO: $547-01-1$ DATE: 1/12 LOCATION: TAYLOR LANE, MAMABONES ELEVATION: 1/14 DATUM: TAYLOR LANE, MAMABONES ID. FECONEV blovs E E Inc. (-1000000000000000000000000000000000000	<u> </u>	RNIE			C. 100	EISE)	INOWER DR. P.O. BOX 38 PARAMUS, NJ 67653 BOR ING	<u>PZ-7</u>	
ELEVATION: $\frac{1}{14}$ DATUM: SAMPLE SAMPLE TECOV DLOWS RO. Hepthery 4 per 5" $\frac{1}{2}$ $\frac{1}{2}$ $$	PRCJI		MARC	NECK	LE	1E	COMPOST PROJECT NO: 1547-01-1	/	
ELEVATION: M/A DATUM: SAMPLE Diava 5 SOIL DESCRIPTION 500 DESCRIPTION 500 3000 3									ONE
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$\frac{1}{3} \frac{1}{4!} $	2	2-4	40	2 2	-2		frags. HNU. 4, damp.		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					1		Same		
$\frac{4}{4} \frac{4}{4} \frac{1}{4} <u> </u>	<u> </u>		<u> </u> i		<u> </u>				
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$ \frac{5}{8-10} \frac{100}{100} \frac{(4884)1}{100} \frac{d}{10} $ $ \frac{5}{10} \frac{100}{10} \frac{(4884)1}{100} \frac{d}{10} $ $ \frac{6}{10} \frac{100}{12} \frac{4}{80} \frac{4}{4} \frac{6}{10} $ $ \frac{6}{10} \frac{5}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{7}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{7}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} $ $ \frac{1}{10} $					_			劇目	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	10-12	80				very micaceous gt2. sand in the tip of		
$ \frac{7}{12} + \frac{100}{12} + \frac{6}{12} $ $ Same F-SAND. Hold 1.4 $ $ \frac{8}{14} + \frac{10}{10} + \frac{1}{14} $ $ Same , Hold 1.2 $ $ \frac{9}{16} + \frac{10}{14} + \frac{16}{16} $ $ Same , Hold 1.2 $ $ \frac{2''}{R} $ $ \frac{10}{18} + \frac{16}{16} + \frac{18}{18} $ $ Same - No reading on Hold. $ $ \frac{2''}{R} $ $ \frac{11}{20} + \frac{2}{20} + \frac{1}{3} + \frac{18}{5} $ $ Same $ $ \frac{11}{20} + \frac{2}{20} + \frac{1}{3} + \frac{1}{5} $ $ Same $ $ \frac{2''}{R} $ $ \frac{2''}{R} $ $ \frac{2''}{R} $ $ \frac{10}{12} + \frac{1}{10} + \frac{1}{11} $ $ Same $ $ \frac{11}{20} + \frac{2}{20} + \frac{1}{22} $ $ Same $ $ \frac{2''}{R} $ $ \frac{2''}{R} $ $ \frac{2''}{R} $ $ \frac{10}{12} + \frac{1}{10} + \frac{1}{12} $ $ Same $ $ \frac{2''}{R} $ $ \frac{10}{12} + \frac{1}{10} + \frac{1}{12} $ $ Same $ $ \frac{2''}{R} $ $ \frac{10}{12} + \frac{1}{10} + \frac{1}{12} $ $ Same $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $ $ \frac{1}{10} + \frac{1}{10} + \frac{1}{10} $		╆╾───┤		2 8	} .		Spoon, f sand., wet. HNU .6		
$\frac{7}{8} = \frac{10}{12} = \frac{12}{14} = \frac{14}{14}					12				
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10 18-20 10 5 4 18 Same - No reading on Hinlu. 10 1 1 1 1 1 1 1 11 20-22 50 3 3 5 3 5 10 10 12 22 22 Same 10 10 10 10 12 22 DRILLING CONTR. EMPIRE EMPIRE 10 10	.7	10-18					Jame, HNU. 1.0		-
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NOTES: DRILLING CONTR. EMPIRE		<u> </u>			11				10
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r						C-uc-			_			
DATE:		· ·			4	COMPOST	LOCATION					
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ELEVA.		<u>N/A</u> APLE			12	·	DATUM: SOIL DESC	יייכדמי	TON .	_		
		recov	blows	, IIIIII	STRATA	M. COMP.,	TEX., C.,	2nd	COMP. ,	TEX.	VELL CONST	
		erv 1		7 8	5	C.: 3rd CO	MP., ETC.,	MOIS	T., OT	HER •	90 20	ī
12	22-24	60	3 4	┥		Same; f	sand (m	Caclor	us, very	unif.)		
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			METHO RIG	2		OLLOW STE				_		_

	WOO	DARD	Woodard and Curran 709 Westchester Ave, White Plains, NY 1060 Telephone: 914-448-2	Suite LD RAF	WELL NUMBER	PAGE 1 OF 1
	&CU	RRAN	Fax: 914-448-0147			
			lage of Mamaroneck UMBER 213733			
				COMPLETED 12/6/10	PROJECT LOCATION Village of Mamaroneck, GROUND ELEVATION 14.95 ft MSL HOLE	
				ed auger		
L.GPJ				CHECKED BY Lou Russo		
UDFIL	NOTE	s			AFTER DRILLING	
LOGS/TAYLORS LANE LAI	o DEPTH (ft)	GRAPHIC LOG	Feet BGS	MATERIAL DES	CRIPTION	WELL DIAGRAM Casing Top Elev: 17.03 (ft)
RAN STANDARD WP - WC STD.GDT - 2/29/12 12:58 - \\WHITEPLAINS\PROJECTS\213733 VILLAGE OF MAMARONECK -TAYLOR LANE - LEACHATE\WIP\BORING LOGS\1						 Top Soil Exisiting/Repaired 40 MIL HDPE Liner 6" Schedule 80 Perforated HDPE Discharge Pipe. INV. @ Elevation 9.2 Sand Filter Pack Stainless Steel (Type 304) Screen (Slott Size=0.03")
WOODARD & CURRAN						Trap

		DARD	709 Wh Tele	odard and Curran 9 Westchester Ave, Suite L2 ite Plains, NY 10604 ephone: 914-448-266 c: 914-448-0147	Τ	WELL	PAGE 1 OF 1
					ROJECT NAME _ Taylors Lane Com	posting Site	(Site ID 360021)
F	PROJ	ECT N	IUMB	ER <u>213733</u> F	ROJECT LOCATION Village of Man	maroneck, N	IY
	DATE	STAR	TED	<u>8/17/10</u> COMPLETED <u>8/17/10</u> G	GROUND ELEVATION 19.54 ft MSL	HOLE S	IZE _2-in
	RILL	ING C	ONTR	RACTOR AARCO	GROUND WATER LEVELS:		
<u>ר</u>	RILL	ING N	IETHO	OD GeoProbe 7822DT	$\overline{2}$ at time of drilling <u>5.00 ft</u>	/ Elev 14.54	4 ft
	.OGG	ED B	Y Ch	narley Paternostro CHECKED BY Lou Russo	AT END OF DRILLING		
	OTE	s			AFTER DRILLING		
LUGS/IAYLORS LANE L/	o UEPTH (ft)	RECOVERY (INCHES)	GRAPHIC LOG	Feet	ON	Environmental Data	WELL DIAGRAM Casing Top Elev: 19.04 (ft) Casing Type: PVC
	0		<u>71 1</u> 7	BGS Black, dry , TOPSOIL, trace roots with grass	10.0	PID = 0ppm	
P/BOKING				Brown, dry, medium to fine SAND, trace cobbles	19.0		1ft cement seal
	2	38		2.8 2.8 3.2 Dark brown/Black, moist, organic, leaves, roots			Well casing is flush mounted 1.5ft bentonite seal 6" sand pack above top of well screen
	4			⊈ Gray, Wet,SILT 6.0 Dark brown/Black, moist, organic, leaves, root	13.5	PID = 0ppm	
	8	51		7.9 Light brown, moist,SILT	11.6		10ft of sand
				9.0	10.5		pack encased around well screen to
- ///				Brown, moist, medium to fine SAND, some mediu cobble			bottom of well
8G:71	10						
71/67						PID = 0ppm	
- 2	-						
<u>ں</u>							
×⊢ ج	12						
ארא	_	30					
				13.6	6.0		
	14			Brown-Orange, moist, coarse to fine SAND, trace	Silt		
				14.5	5.0		
				Refusal at 14.5 Bottom of borehole at 14.5	5 feet.	PID = 0ppm	1

&CL	DDARD	709 Whi Tele Fax	bdard and Curran Westchester Ave, Suite L2 te Plains, NY 10604 ephone: 914-448-266 914-448-0147		WELL NUMBER PZ-B PAGE 1 OF 1					
	CLIENT Village of Mamaroneck PROJECT NAME Taylors Lane Composting Site (Site ID 360021)									
	PROJECT NUMBER 213733 PROJECT LOCATION Village of Mamaroneck, NY									
		-	8/17/10 COMPLETED 8/17/10		HOLE SIZE 2-in					
	DRILLING CONTRACTOR AARCO GROUND WATER LEVELS:									
7			D GeoProbe 7822DT							
			arley Paternostro CHECKED BY Lou Russo							
	S	1		AFTER DRILLING						
O DEPTH	RECOVERY (INCHES)	GRAPHIC LOG	MATERIAL DESCRI	PTION	WELL DIAGRAM					
		<u>711</u> 71	Black, dry, TOPSOIL, trace roots with grass	45.4	PID = 0ppm					
	-		0.5 Brown, dry, coarse to medium SAND, little coa	arse to medium gravel, little	1ft cement seal					
<u> </u>	-		glass, brick, wood fragments		Seal					
HAH 	-				Well casing is					
2_2	-				0 to +2 ft above grade					
<u>_</u>	51				1.5ft bentonite seal					
¥ — — —	-		3.1	12.5	6" cond nook					
	-		3.4 Glass Dark brown to Black, moist, organic (compost		well screen					
- 	_		Bark brown to Black, moist, organic (composi							
≧ 5∟ _					PID = 0ppm					
			6.1	9.5						
			Black, wet, Sandy SILT with organic, little plas		6ft of sand pack encased					
	1				around well screen top to					
	-				bottom of well					
	49									
	-									
	-									
≞	-									
<u> </u>	-									
<u>8 10</u>					PID = 0ppm					
ZL/63	-									
	-									
	-									
<u></u>	-		12.2	3.4						
≥ 	45		Dark brown, wet, coarse to fine SAND, some cobbles	coarse to fine gravel, trace3.0						
≤ 			13.0 Black, wet, SILT, trace fine sand							
			Tan, wet, medium to fine SAND, trace mediur							
214		<u></u>	13.0	1.8						
5 ø										
Bottom of borehole at 15.0 feet. PID = 0ppm										

woo	DDARD	709 Wh Tele	West ite Pla	and Curran chester Ave, Suite L2 ins, NY 10604 e: 914-448-266 448-0147 DRAFT	WELL	NUMBER PZ-C PAGE 1 OF 1			
CLIEN	CLIENT Village of Mamaroneck PROJECT NAME Taylors Lane Composting Site (Site ID 360021)								
PROJ	PROJECT NUMBER _213733 PROJECT LOCATION _Village of Mamaroneck, NY								
DATE	STAR	TED	8/17/	10 COMPLETED 8/17/10 GROUND ELEVATION 17.25 ft M	SL HOLE S	SIZE 2-in			
DRILL	ING C	ONTF	RACTO	OR _AARCO GROUND WATER LEVELS:					
	ING M	IETHO	DD _G	eoProbe 7822DT \Box AT TIME OF DRILLING 13.0	60 ft / Elev 3.6	5 ft			
	GED B	Ch	arley l	Paternostro CHECKED BY Lou Russo AT END OF DRILLING					
	S			AFTER DRILLING					
	RECOVERY (INCHES)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data	WELL DIAGRAM Casing Top Elev: 19.33 (ft) Casing Type: PVC			
					<u>6.9</u> PID = 0ppr				
	1			Brown, dry, coarse to medium SAND, little coarse to medium gravel, little glass, brick, wood		1ft cement seal			
]	SP				Well casing is			
2		0-				0 to +2ft			
	51			2.6 14	.7	above grade			
	51			Glass, plastic fragments		bentonite seal			
<u> </u>				3.3 14 Dark brown, moist, Silty SAND with glass, wood, plastic fragments	<u>4.0</u>	6" sand pack above top of			
4		OL				well screen			
				4.3 1:	<u>8.0</u>				
		OL		Moist, brown, Silty SAND and organics, brick, glass fragments	PID = 0ppr	η			
6				Brown, wet, Silty SAND and organics, brick, glass, plastic fragments					
	- 51								
^^									
8						10ft of sand			
	-					pack encased around well			
č	-	OL				screen to			
						bottom of well			
10	$\left \right $				PID = 0ppr				
12 – 12									
	1			12.5	4.8				
	41	00		Gray, wet, coarse to fine SAND and coarse to fine gravel	<u></u>				
	1	SP	8.0	13.4	<u>8.8</u>				
14]			↓ ×					
			0 0101						
				Gray, wet, coarse to fine SAND and coarse to fine gravel, trace silty sand, trace cobbles	PID = 0ppr	η			
16	18		00.00						
				16.5	0.8				
Bottom of borehole at 17.0 feet.									
í 💷									

	DDARD	709 Wh Tele	Westc ite Plair ephone	Ind Curran hester Ave, Suite L2 hs, NY 10604 : 914-448-266 148-0147	= T	V	/ELL I	-	ER PZ-D PAGE 1 OF 1	
CLIE	CLIENT Village of Mamaroneck PROJECT NAME Taylors Lane Composting Site (Site ID 360021)									
PROJ	PROJECT NUMBER 213733 PROJECT LOCATION Village of Mamaroneck, NY									
DATE	DATE STARTED 8/17/10 COMPLETED 8/17/10 GROUND ELEVATION 15.49 ft MSL HOLE SIZE 2-in									
DRILI	DRILLING CONTRACTOR AARCO GROUND WATER LEVELS:									
	DRILLING METHOD GeoProbe 7822DT									
LOGO	LOGGED BY Charley Paternostro CHECKED BY Lou Russo AT END OF DRILLING									
	NOTES AFTER DRILLING									
<u> </u>										
DEPTH (ft)	RECOVERY (INCHES)	U.S.C.S.	GRAPHIC LOG	MATERIAL DES	CRIPTION		Environmental Data		_ DIAGRAM Elev: 17.49 (ft) ≅: PVC	
			N Ly N	BIACK, dry , TOPSOIL, trace roots with	grass	15.1 PI	ID = 0ppm			
<u> </u>				0.4 0.5 Brown, dry, coarse to medium SAND, li	ttle medium to fine gravel, little /~	15.1/			1ft cement	
				0.5 glass, brick fragments		15.0			seal	
<u> </u>	-	SP							Well casing is	
2_2	-								0 to +2 ft above grade	
	53								1.5ft	
				2.8 Dark brown to black, dry, fine SAND, a		12.7			bentonite seal 6" sand pack	
				wood), some glass, brick , plastic fragm					above top of well screen	
4										
	1			4.3 Cobble encountered		11.2				
	1									
2 — — — — — — — — — — — — — — — — — — —				Black, moist, medium to coarse SAND,	some silt, little brick, glass,	PI	ID = 0ppm			
	-			$\nabla_{5,9}$ plastic fragments Black, wet, organic(wood, roots, leaves), little glass, brick fragments	9.6				
6	-			Gray, wet, coarse to fine SAND, some		3.0				
<u> </u>	-									
	-									
	39									
8	-			8.3		7.2			10ft of sand	
			*****						pack encased around well	
Ľ									screen to bottom of well	
<u> </u>							ID = 0ppm		Sector of Woll	
<u>k</u> 10										
				Gray, wet, medium to fine SAND Brown, wet, coarse to fine SAND and c	parse to fine gravel					
27/2 -										
12										
	46									
	1							<u></u>		
₹ <u> </u>	1		2	13.8		1.7				
2 14 2										
<u> </u>										
				Bottom of borehole	at 15.0 feet.			-		
š										