Shaw Environmental & Infrastructure, Inc.

Shaw The Shaw Group Inc.™

101-1 Colin Drive
Holbrook, New York 11741
Phone: (631) 472 4000
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MONITORING WELL LOG

PROJECT NUMBER: 133191 | **TAYLOR LANE - COMPOST SITE, MAMARONECK, NY**

MONITORING WELL - MW - 4 S

UTILITY CLEARANCE (0' - 5')
DATE: **10.02.2008**

DATE STARTED: **10.02.2008**
GROUNDWATER LEVEL: **1.5 Ft**

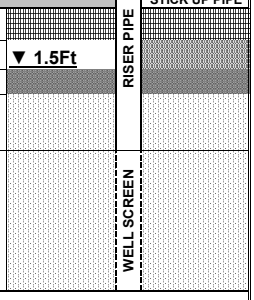
DATE COMPLETED: **10.02.2008**
TOTAL WELL DEPTH: **10.0 Ft**
WELL SCREEN SLOT SIZE: 0.020
SAND SIZE: # 1

GEOLOGIST: **Sanjay Sharma**
WEATHER: **52° F, Windy**

DRILLING METHOD: **Geo Probe - 6610 DT with Augers**
PAGE: 1of 1

DEPTH (ft)	BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS
5.0	HAND CLEARANCE		0.0 - 1.5	Dark gray to black M-C SAND, large GRAVEL, moist				
			1.50 - 5.0	Dark gray F-M SILTY SAND with few clayey patches medium PEBBLES, Wet at 1.5 feet. Sand is more clayey after 3.5 feet bgs				
10.0	N/A	100	5.00 - 6.00	Same as before	SP	NO SAMPLE	0.0	NO ODOR
			6.00 - 10.00	M-C brown to grey SAND, fine to medium GRAVEL, few PEBBLES, at places very coarse SAND, wet				
15.0	N/A	100	10.0-13.0	Same as before				
			13.0-15.0	Red brown M-C SAND, few medium PEBBLES & GRAVEL. Wet				
17.0	N/A	100	15.0-17.0	Yellowish brown F-M SILTY SAND, rock pieces,				
	Refusal at 17.00 feet							

WELL CONSTRUCTION (2" Ø)



NOTES:

Drilling Contractor: **ADT**
Drilling Equipment: **Geo Probe - 6610 DT with Augers**
Driller: **Chris & Dave**

Macro Core Sampling at 5' intervals.
After macro core sampling the hole was augured.
▼ Groundwater Level intercepted in Soil Boring.
bgs = Below ground surface

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MONITORING WELL LOG

PROJECT NUMBER: 133191 | **TAYLOR'S LANE - COMPOST SITE, MAMARONECK, NY**

MONITORING WELL - MW - 4M

UTILITY CLEARANCE (0' - 5')
DATE: **04.27.2009**
GEOLOGIST: **Sanjay Sharma**
DRILLING METHOD: **8" ID (Ø) Hollow Stem Auger**

DATE STARTED: **04.27.2009**
GROUNDWATER LEVEL: **4.0 Ft bgs**

DATE COMPLETED: **04.27.2009**
TOTAL WELL DEPTH: **20.0 Ft (6" Ø)** **WELL SCREEN SLOT SIZE: 0.030** **SAND SIZE: # 1**
WEATHER: **82°F, Clear, Sunny, ENE -Wind**
PAGE: **1of 1**

DEPTH (ft)	BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS	WELL CONSTRUCTION (6" Ø)	RISER PIPE (6"Ø)	WELL COVER & STICK UP PIPE
	HAND CLEARANCE		0.0 - 0.5	PEAT - Vegetation (Grasses)					BENTONITE		
			0.5 - 2.5	Dark brown to black M-C SAND, more PEBBLES, GRAVEL, and rocks & bricks. Hard, compact, and dry soil. **LINER at 2.5'**						LINER	at 2½' bgs
5.0			2.5 - 5.0	FILL - Black SILTY SAND. Debris - glass pieces, rubber, plastics. Dry up to 3.0' bgs, moist up to 4.0'bgs and then wet.					SAND ABOVE WELL SCREEN	▼ 4.0Ft	
	2/2/3/5	50	5-7	FILL - M-F SAND and debris as before. Asphaltic (?) material Wet	FILL				SAND		
	5/8/3/2	30	7-9	Same as before, more GRAVEL Wet							
10.0	3/4/5/3	50	9-11	FILL - Light brown M-C SAND and debris as before. Wet		NO SAMPLE	0.0	NO ODOR NO GASES		WELL SCREEN (6" Ø)	
	4/5/5/7	40	11-13	Light brown F-C SAND, little fine GRAVEL and few PEBBLES Wet							
15.0	4/5/10/11	50	13-15	Greenish gray F-M SAND, more fine GRAVEL and mica flakes Wet	SP						
	5/7/6/5	100	15-16.5	Same as before							
			16.5-17	Light brown to gray SILTY SAND. Wet	SM						
	6/7/7/10	80	17-18	Black Asphaltic (?) material. Wet	FILL						
			18-19	Yellowish brown M-C SAND. Wet	SP						
20.0	6/7/8/7	50	19-21	Black Asphaltic (?) material, glass debris. Wet	FILL						
21.0									Well Bottom at 20 Ft		

NOTES:

Drilling Contractor: **ADT**

Drilling Equipment: **Track Mounted Hollow Stem Auger (CME) - 8" Inner Dia. Augers**

Driller: **Greg, Chris, and Frank**

Continuous Split spoon sampling from 5' -21' bgs

▼ Groundwater Level intercepted during hand digging.

bgs = Below ground surface

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MONITORING WELL LOG

PROJECT NUMBER: 133191 | **TAYLOR LANE - COMPOST SITE, MAMARONECK, NY**

MONITORING WELL - MW - 4 D

UTILITY CLEARANCE (0' - 5') | DATE STARTED: **10.02.2008** | DATE COMPLETED: **10.03.2008**

DATE: **10.02.2008** | GROUNDWATER LEVEL: **1.5 Ft** | TOTAL WELL DEPTH: **16.0 Ft** | **WELL SCREEN SLOT SIZE: 0.020** | **SAND SIZE: # 1**

GEOLOGIST: **Sanjay Sharma** | WEATHER: **52° F, Partly cloudy, Windy**

DRILLING METHOD: Geo Probe - 6610 DT with Well Drive point | PAGE: 1of 1

DEPTH (ft)	BLOW COUNTS	RECOVERY (%)	DEPTH (ft)	DESCRIPTION	USCS SYMBOL	SAMPLE DEPTH (Ft)	PID DATA (ppm)	REMARKS	WELL CONSTRUCTION (2" Ø)	WELL COVER & STICK UP PIPE
			0.0 - 1.5	Dark gray to black M-C SAND, large GRAVEL, moist					CONCRETE PAD	
	HAND CLEARANCE		1.50 - 5.0	Dark gray F-M SILTY SAND with few clayey patches medium PEBBLES, Wet at 1.5 feet. Sand is more clayey after 3.5 feet bgs					▼1.50 Ft GROUT	RISER PIPE
5.0										
	N/A	N/A	5.00 - 6.00	Same as before						
			6.00 - 10.00	M-C brown to grey SAND, fine to medium GRAVEL, few PEBBLES, at places very coarse SAND, wet	SP	NO SAMPLE	0.0	NO ODOR	BENTONITE	
10.0									SAND ABOVE WELL SCREEN	
	N/A	N/A	10.0-13.0	Same as before					SAND	WELL SCREEN
			13.0-15.0	Red brown M-C SAND, few medium PEBBLES & GRAVEL. Wet						
15.0										
16.0	N/A	N/A	15.0-16.0	Yellowish brown F-M SILTY SAND, rock pieces,						

Well Bottom at 16 Ft

NOTES:

Drilling Contractor: **ADT**

Drilling Equipment: **Geo Probe - 6610 DT**

Driller: **Chris & Dave**

No macro core sampling as it was done in MW-4 S.

Soil Description is same as in MW-4 S.

Well Drive Point hit Refusals at 15 Ft and 16 Ft.

▼ Groundwater Level intercepted in Soil Boring.

bgs = Below ground surface

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-9S

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 10 DEC. 90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONSTR.	REMARKS
SS#1	0'to2'	50%	4 12 / 12 19	0		f-vf SAND, some silt, little gravel, pulverized rock, 2" of ash (?), little organics with f-sand & silt, brown-drk brn DRY		5' of 6" DIA. STEEL CASING & LOCKING CA
SS#2	2'to4'	25%	8 12 / 36 18	2		f-m SAND, little silt, little gravel, dry med. brown.		10' of 2" I.D. Stainless (316) Casing, set from 8'
SS#3	4'to6'	50%	4 8 / 27 18	4		f- SAND, displays some lamination, drk. brn. 1" layer of organic matter (wood?) occasional gravel, med. brn. dry.		0'
SS#4	6'to8'	75%	8 12 / 10 14	6		Same, trace organics (in .5" layer) little coarse qtz. sand.		5' of cement/bent grout
SS#5	8'to10'	75%	10 11 / 11 10	8		f-c SAND, poorly sorted, one layer of uniform m-sand at approx. 9' (3" thick) Above sand layer there are many mica flakes, & alternating layers of Lt & drk. brown, dry.		5.0
SS#6	10'to12'	25%	7 9 / 8 8	10		f-c SAND and GRAVEL, trace silt, material in the shoe is wet med. brown.		1.5' of Bentonite pellets
				12				6.5'
SS 7	15-17	0	9 7 / 7 8	15		No Recovery		No. 2 sand pack placed from 6.5' to 6.5'
				17				10' of 2" I.D. Stainless (316) screen with .02" slots from 18' to 8'

NOTES: DRILLING CONTR. — EMPIRE

DRILLER — JOHN YEATON

DRILLERS HELPER — JOE RAAB

DRILLING METHOD — HOLLOW STEM AUGER

DRILLING RIG — TRACK MOUNTED CMC

MPI INSPECTOR: Edward Wiederkehr

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

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. · 100 EISENHOWER DR. · P.O. BOX 38 · PARAMUS, NJ 07653 — BORING MLC-MW-9S

PROJECT: MAMARONECK LEAF COMPOST SITE	PROJECT NO: 1547-01-1
DATE: 10 DEC. 90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER *)	WELL CONSTR.	REMARKS
				19		BOTTOM OF BORING 19.5'		18' Bottom of screen 19.5' Bottom of sand pack

NOTES:

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MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-9d

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 11 DEC 90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.; 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
SS#1	0'to2'	50%	4 12 / 12 9	0		f-vf SAND, some silt, little gravel pulverized rock, 2" of ash (?), little organics with f-sand & silt, brown-drk brn Dry		6" DIA. STEEL CASING & LOCKING CAP; Ground Level
SS#2	2'to4'	25%	8 12 / 36 18	2		f-m SAND, little silt, little gravel, dry med. brown.		
SS#3	4'to6'	50%	4 8 / 27 8	4		f- SAND, displays some lamination, drk. brn. 1" layer of organic matter(wood?) occasional gravel, med. brn. dry.		
SS#4	6'to8'	75%	8 12 / 10 14	6		Same, trace organics (in .5" layer) little coarse qtz. sand.		Cement Bentonite grout placed from 45' to surface
SS#5	8'to10'	75%	10 11 / 11 10	9		f-c SAND, poorly sorted, one layer of uniform m-sand at approx. 9' (3" thick) Above sand layer there are many mica flakes, & alternating layers of Lt & drk. brown, dry.		
SS#6	10'to12'	25%	7 9 / 8 8	10		f-c SAND and GRAVEL, trace silt, material in the shoe is wet med. brown.		49.5' of 4" I.D. Stainless steel (316) casing set at 48' with a 2' stick-up.
				12				
SS 7	15-17	0	9 7 / 7 8	15		No Recovery		
				17				

NOTES: DRILLING CONTR. — EMPIRE
DRILLER — JOHN YEATON
DRILLERS HELPER — JOE RAAB
DRILLING METHOD — SPIN CASING, ROCK REAMING, ROCK CORING
DRILLING RIG — TRACK MOUNTED CME

MPL INSP. Edward Underhill

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MLC-MW-9d

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-014
DATE: 11 DEC-90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	TIEN.	CONST.	REMARKS
SS 8	20'-22'	0	5 8 / 8 8	20		No Recovery			
				22					
SS 9	25 to 27	15%	5 7 / 7 8	25		f- SAND, uniform, grey, wet.			49.5' of 4" I.D. stainless steel (3/16) casing set at 48' (5' into a rock socket)
SS 10	30-32	30%	4 7 / 9 14	30		m-c SAND & GRAVEL, tr. silt, grey wet.			
SS 11	34.5-36.5	10%	7 33 / 21 24	35		f-c SAND in the shoe, m-c sand above with some rk. frags, poor sorting orange/brown, wet.			Cement/bentonite grout placed from 45' to surface
SS 12	40'-42'	15%	8 43 / 15 6	40		Same			
SS 13	43.5	4%	100/4"	43		Top of bedrock 43.5'			Bentonite pellet seal, from 48' to 45'
				48		Bottom of rock socket 48'			

NOTES:

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MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MW-14m

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/24/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.. TEX.. C., 2nd COMP., TEX. C.: 3rd COMP.. ETC.. MOIST.. OTHER *)	WELL CONST.	REMARKS
	0-2					FILL; drk. brown to black compost damp. HNu .6		HNu Background is .8 equivalent gas units.
1	2-4	100	1 3 / 3 2	2		FILL; (conc. chips, bag fragments) HNu .6 (Env. sample).		14m log is a composite of logs from 14d, 14s and 8s- except where actual split spoon samples were collected, indicated by the blow counts and recovery.
	4-6			4		FILL; wet HNu .6		
	6-8			6		FILL; f.-c. sand and cinder/slag matrix, little gravel blk, wet, HNu .6		
	8-10			8		FILL; same		Split spoons were collected to confirm bottom of fill and to collect env. samples for analysis.
2	10-12	50	5 6 / 4 8	10		FILL; some gray silty sand in tip of spoon. HNu 1.6		
3	12-14	60	7 6 / 5 5	12		FILL; to 13.75' then grading to m.-c SAND occasional gravel little silt and organics; HNu 1.8 (Env. Sample).		
4	14-16	50	8 6 / 7 9	14		m.-c. SAND, some gravel (up to 1.5" dia) drk. gray to black HNu 2.0 Natural). (transitional zone between FILL and Same m.-c. SAND		Bentonite Pellet Seal
5	16-18	50	9 7 / 10 6	16		Same - drk gray (ENV. Sample).		#10 Sand Pack
6	18-20	0	9 9 / 12 11	18		No Recovery.		2" PVC Riser
	20-22			20		f.-vf. SAND, some silt, little m.-c. sand, grey.		2" PVC 10 Slot Screen
				22				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

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BORING MW-14m

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/24/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
	24-26			24		SILT, some vf.-sand and clay gray.		
	26-28			26		f.-SAND and SILT; grey.		
				28		Bottom of Boring 28'		

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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BORING MW-11M

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 2-6-92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRAT.	SOIL DESCRIPTION (M. COMP.. TEX.. C., 2nd COMP., TEX. C.: 3rd COMP.., ETC., MOIST.., OTHER *)	WELL CONST.	REMARKS
	0-2					FILL; F- sand, little Silt, compost wood Fragments, rock fragments, dark brown		11M log is a composit of logs from MW-11, PZ-1 PZ-2 and PZ- except where actual split spoon sample were collecte Indicated by blow counts and recovery
	2-4			2		Same with some M-C-Sand		
	4-6			4		Same		
	6-8			6		Same		
	8-10			8		same		Grout Seal
1	10-12	25	14 10½ 20 /	10		Same with some silt; HNu 180.0 (Env. Sample)		6" Outa Steal Casing
2	12-14	75	3 2 2 3	12		Peat / Compost with some Silt; brown - gray HNu 3.5		Bentonite Pellet Seal
3	14-16	100	9 17 15 12	14		Same; HNu 8.0		
4	16-18	50	16 14 12 18	16		Outer Casing set at 16.0' F-M Sand with some gravel; natural - gray - yellow		2" Stainless steel Riser
5	18-20	75	12 18 16 14	18		Same		Blend of #2 and #3 Morie Sand pack
	20-22			20		Same with trace of Silt		2" stainles steel 0.04" slot screen
				22				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MW-11M

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 2-6-92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRAT.	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.; 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
	22-24					Same		
	24-26			24		Same		
	26-28			26		Same		
	28-30		25 15 / 15 14	28		same with Some Coarse Sand HNu 5.0		
	30-32			30		same		
	32-34			32		Same		
	34-36			34		Same		
	36-38			36		same		
6	38-40	30	46 71 / 63 31	38		same with rock fragments (weathered) and coarse Sand. HNu 10.0		
				40		Bottom of Boring		

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MW-19

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 2-6-92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.. TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST.. OTHER *)	WELL CONST.	REMARKS
	0-2					FILL; F- Sand, little Silt, compost wood Fragments, rock fragments, dark brown		Bentonite pellet seal
				2				6" Stain steel Ri
	2-4					Same with some M-C Sand		
				4				
	4-6					Same		
				6				
	6-8					Same		
				8				Blend of 70 (00) + 30 Moric Sand P
	8-10					Same		
				10				6" 10 Sl Stain steel Scr
	10-12					Same		
				12				6" Stai steel sump
	12-14					Same		
				14				
	14-16					Bottom of Boring		MW-19 is a Composit of logs f MW-11, Pi PZ-2 an PZ-3

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

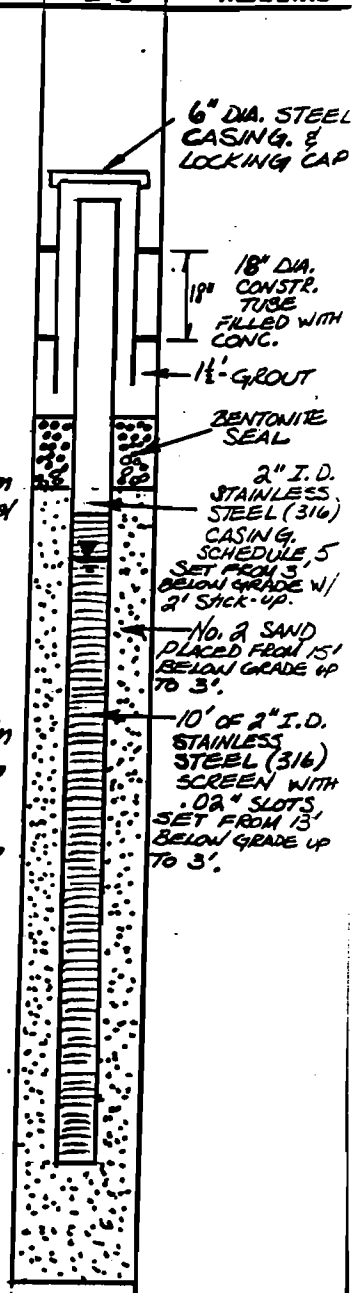
MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-10

PROJECT: MAMARONECK LEAF COMPOST SITE	PROJECT NO: 1547-01-1
DATE: 13 Nov '90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
						*BACKGROUND HNU .1 to .2 ppm		
SS#1	0'to2'	18%	WOH WOH /	0		FILL, compost, moist, drk brown HNU .1ppm		
SS#2	2'to4'	55%	1 5 / 3 9	2		FILL, top .2' compost, bottom .8' f-m sand, some silt and c-sand, little gravel moist, brown. HNU-.2ppm		
SS#3	4'to6'	0%	6 10 / 8 9	4		Split spoon wet. HNU - .6 to .8 ppm		
SS#4	6'to8'	25%	2 2 / 2 2	6		FILL, ash(?), glass, gravel & porcelain black, oil sheen, wet HNU .8 to 1.0 ppm		
SS#5	8'to10'	35%	2 3 / 5 3	8		FILL, top .4' ash(?), glass, brick frags, blk; bot. .3' f-m sand, some silt and c-vc sand, tr. gravel, brn; oil sheen HNU .2 to .4 ppm		
SS#6	10'to12'	30%	5 2 / 4 2	10		SAND, top .3' vf-f sand, some silt tr. peat(?), drk grey vf-bedding. bottom .3' SAND and SILT vf-bedding grey. HNU .1 ppm		
				12				
				14		Bottom of Boring 15'		



NOTES: DRILLING CONTR. – EMPIRE
DRILLER – JOHN YEATON
DRILLERS HELPER – JOE RAAB
DRILLING METHOD – HOLLOW STEM AUGER
DRILLING RIG – TRACK MOUNTED CME

MPI INSPECTOR Edward Vierheller

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

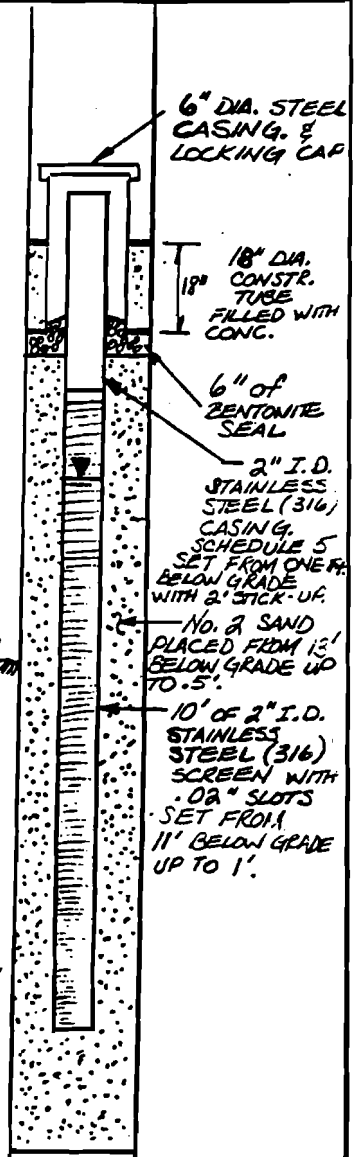
BORING MLC-MW-11

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 14 Nov '90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)
						BACKGROUND HNU .1 to .2 ppm
SS#1	0' to 2'	25%	2 2 / 3 4	0		FILL, leaf compost, wood frags f-m Sand, trace gravel, drk br. to gray, damp.
SS#2	2' to 4'	50%	6 6 / 7 5	2		FILL, f-c Sand and organics, brick frags, broken glass, drk brn, saturated.
SS#3	4' to 6'	60%	5 6 / 4 6	4		FILL, Silt, little clay, trace f-sand mottled appearance, med gray to blk, damp, strong petroleum odor, HNU-180ppm
SS#4	6' to 8'	25%	5 5 / 7 4	6		FILL, f-sand and silt, a coarse granular yellow material in the shoe med. gray to blk, saturated HNU 60-70 ppm
SS#5	8' to 10'	20%		8		FILL, compost and f-sand, approx. 2" to 3" of a soft red material in the shoe of the spoon, drk brn, saturated HNU 180 ppm.
SS#6	10' to 12'	20%	4 2 / 1 1	10		FILL, organics (compost) and f-c sand Wood frags med. gray to blk., 1" of a soft white material, saturated HNU 10 ppm
				12		Bottom of BORING 13'
				14		



NOTES: DRILLING CONTR. – EMPIRE
DRILLER – JOHN YEATON
DRILLERS HELPER – JOE RAAB
DRILLING METHOD – HOLLOW STEM AUGER
DRILLING RIG – TRACK MOUNTED CME

MPI INSPECTOR Edward Wiedenfeld

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

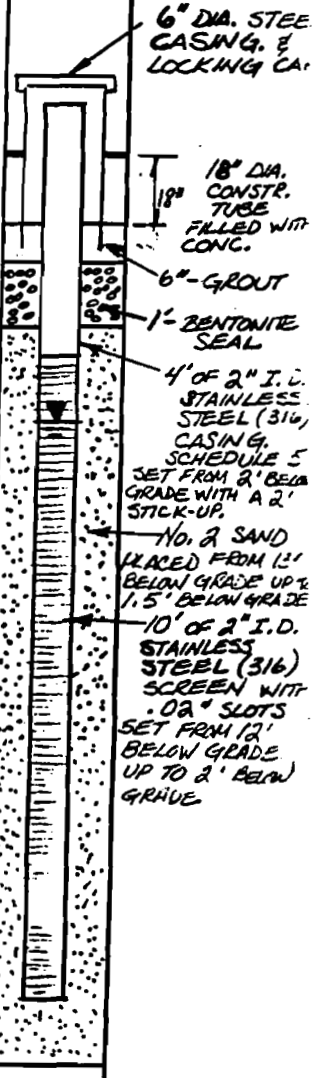
BORING MLC-MW-12

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 14 NOV. '90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRAT	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONSTR.	REMARKS
						BACKGROUND HNu - .1-.2 ppm		
SS#1	0'to2'	25%	1 1 / 1 1	0		FILL, leaf compost, fine sand and silt, wood frags, little gravel, mica flakes, med.brn. damp. HNu - .2 ppm		
SS#2	2'to4'	15%	1 1 / 1 1/2"	2		FILL, compost, small roots, f sand, some gravel, brn, saturated in lower 2" of spoon. HNu - .2 ppm		
SS#3	4'to6'	15%	1 1 / 1 1	4		FILL, very organic, root fragments, brick frags f-sand and silt in the shoe (natural) drk brn to gray, saturated. HNu .1 ppm		
SS#4	6'to8'	50%	7 47 / 21 17	6		coarse SAND and GRAVEL poorly sorted orange/brown, moist; upper 4" of spoon SILT with trace clay, med. gray, damp. HNu - .1 ppm		
SS#5	8'to10'	50%	13 12 / 9 7	8		coarse SAND and GRAVEL, little f-sand orange/brown, saturated. ~~HNu~~ HNu - .1 ppm		
SS#6	10'to12'	30%	13 9 / 7 37	10		fractured and weathered ROCK, some wash material, saturated, HNu - .2ppm		
				12				
				14		Bottom of Boring 13'		



NOTES: DRILLING CONTR. - EMPIRE
DRILLER - JOHN YEATON
DRILLERS HELPER - JOE RAAB
DRILLING METHOD - HOLLOW STEM AUGER
DRILLING RIG - TRACK MOUNTED CME 850

MPI - INSPECTOR Edward Widmer

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

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-13

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 15 NOV. '90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)
						BACKGROUND HNU - 0 ppm
SS#1	0'to2'	100%	7 7 / 27 17	0		FILL, 4" of ash in shoe of spoon, 14" of conc. frags, 6" of compost drk brn to lt gray, damp. HNU 2ppm
SS#2	2'to4'	30%	15 7 / 5 3	2		FILL, 2" of ash, 6" of poorly sorted f-c sand and gravel, gray to yellow-brn, wet. HNU .1 ppm
SS#3	4'to6'	15%	3 1 / 1 1	4		FILL, f-c Sand & gravel, some organic material, little silt, drk brn, saturated HNU - .1ppm
SS#4	6'to8'	30%	3 2 / 2 2	6		FILL, Same, with trace conc chips trace plastic, dark brown, saturated HNU .1 ppm
SS#5	8'to10'	40%	3 2 / 2 3	8		FILL, compost with f-sand & silt, roots, trace gravel, blk-brn, moist. HNU - .1 ppm
SS#6	10'to12'	40%	2 1 / 1 1	10		FILL, 4" of weathered conc. chips, f-sand, some gravel, Wood frags, little organics, dark brown, in lower 6" of spoon Peat, med brown, wet. HNU-1ppm
				12		Bottom of boring 12'
				14		

WELL CONSTR.

REMARKS

NOTES: DRILLING CONTR. — EMPIRE
DRILLER — JOHN YEATON
DRILLERS HELPER — JOE RAAB
DRILLING METHOD — HOLLOW STEM AUGER
DRILLING RIG — TRACK MOUNTED CME

MPI - INSPECTOR
Edward Wiederhorn

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

SHEET 1 OF 1

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-14d

PROJECT: MAMARONECK LEAF COMPOST SITE	PROJECT NO: 1547-01-1
DATE: 20 Nov. '90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRAT	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
						BACKGROUND HNU .2 ppm		
SS#1	0'to2'	70%	WOR 1 / 1 1	0		FILL, compost, brown-blk, damp HNU .2 ppm		
SS#2	2'to4'	15%	2 1 / 1 2	2		FILL, same		
SS#3	4'to6'	0%	1 5 / 7 12	4		FILL, sample in shoe only, gravel with compost, wet. HNU .2 ppm		
SS#4	6'to8'	50%	16 10 / 6 16	6		FILL, f-c sand and ash(?) matrix, little gravel, blk, wet. HNU .2 ppm		
SS#5	8'to10'	60%	6 7 / 4 4	8		FILL, same		
SS#6	10'to12'	35%	5 3 / 3 9	10		FILL, top .2' compost and roots mid. .3' brick frags bot. .2' sand and possible ash matrix some silt, tr. plastics. HNU .2 ppm		
				12				
				14				
SS#7	15'to17'	60%	7 5 / 4 4	15		FILL/NATURAL CONTACT top .3' FILL c-sand w/brick frags bot. .95' f-c SAND, little silt, mica flakes tr. granite frag gravel, grey. HNU .2 ppm		

6" DIA. STEEL CASING & LOCKING CAP

18" DIA. CONSTR. TUBE FILLED WITH CONC.

Stainless Steel (316) casing schedule 5 set from 16.5' below grade with a 2' stick-up.

NOTES: DRILLING CONTR. — EMPIRE
DRILLER — JOHN YEATON
DRILLERS HELPER — JOE RAAB
DRILLING METHOD — HOLLOW STEM AUGERS
DRILLING RIG — TRACK MOUNTED CME

MPI INSPECTOR

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MW-14d

PROJECT:	PROJECT NO:
DATE:	LOCATION:
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
SS# 8	30'to32'	25%	2 1 / 1 1	20		f-vf SAND, some silt, little med. sand tr. C-sand, gray. HNU .2ppm		
SS#9	25'to27'	20%	1 1 / 2 3	25		SILT, some vf-sand and clay tr. f-sand, mica, gray. HNU .2ppm		
SS 10	30'to32	0%	2 2 / 2 3	30		WASH, silt and vf-sand. HNU .2pp		63' of a cement/bentonite slurry, tremied from 63' up to grade.
SS 11	35'to37'	0%	2 2 / 3 3	35		WASH, same		
SS 12	40'to42'	30%	4 3 / 3 5	40		vf-SAND and SILT, some f-sand tr. clay, med. sand, mica flakes fining downward, well sorted, grey HNU .2 ppm		
SS 13	45'to47'	50%	3 2 / 2 3	45		same, w/little f-sand and clay, tr mica lt. gray, well sorted HNU .2ppm		
SS 14	50'to52'	42%	2 2 / 2 2	50		Same, w/trace f.-sand and clay		
SS 15	55'to57'	40%	2 2 / 3 4	55		SILT, tr. vf-f sand, clay, mica, very well sorted. HNU .2ppm		

NOTES:

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MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MW-14d

PROJECT:	PROJECT NO:
DATE:	LOCATION:
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"		DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
SS 16	60'to62'	25%	1	2	60		Clayey SILT, to SILT, (1) 1/4" thick sandy silt layer, vf-bedding, gray HNU .2ppm		63' Bentonite Seal
			3	4					
SS 17	65'to67'	0%	2	2	65		WASH, silt and vf.-sand. HNU .2ppm		65' 11.5' of #6.1 sand pack from 76.5' up to 65'
			2	3					66.5' 10' of stainless steel (316) screen with .010" slots
SS 18	70'to72'	50%	3	2	70		layered SILT and SAND, 1/2" to 1 1/2" Sandy silty layers, 1/8" to 1/4" vf-m. sand layers, grey. HNU .2ppm		
			8	11					
SS 19	75'to76.5'	12%	13	18	75		COBBLE in shoe of spoon, gneiss(?) .2' SILT and f-m. SAND, some c-sand trace vc-Sand, grey. HNU .2ppm		76.5'
			8	13			Bottom of Boring 76.5' (Auger Refusal) Top of Rock		

NOTES:

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MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-14s

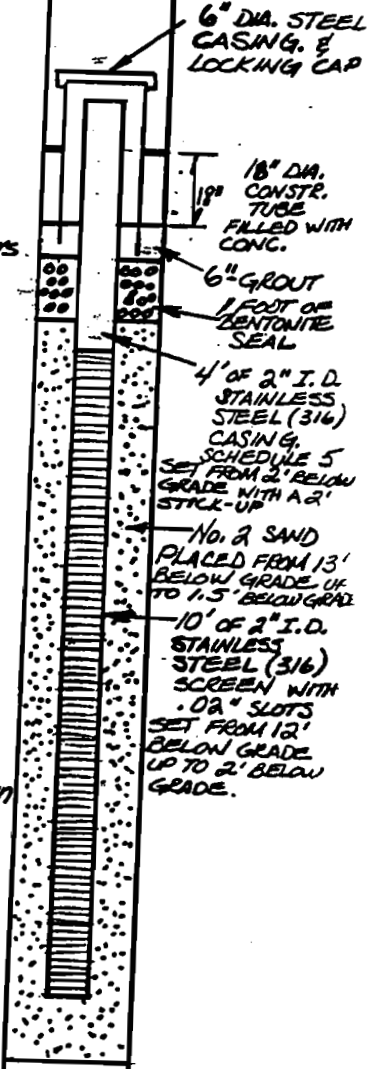
PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 26 Nov. '90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)
						BACKGROUND HNu .2ppm
SS#1	0'to2'	75%	1 1 / 1 1	0		FILL, leaf compost, some wood fibers. Drk brn, damp. HNu .2ppm
SS#2	2'to4'	40%	3 2 / 1 1	2		FILL, Same, Wet in lower spoon. HNu .2ppm
SS#3	4'to6'	40%	1 1 / 3 6	4		FILL, f-sand, silt, and organics broken glass frags., drk brn, wet HNu .2ppm
SS#4	6'to8'	40%	15 14 / 10 5	6		FILL, same, with little gravel, drk brn Wet. HNu .2ppm
SS#5	8'to10'	25%	10 9 / 7 5	8		FILL, some f-c sand and organics, little silt, brick frags, Wood frags, drk brn Wet. HNu .2ppm
SS#6	10'to12'	25%	5 5 / 4 5	10		FILL, 3" of same, then 3" of drk gray f-c Sand, some gravel, trace silt (appears to be natural material). Wet. HNu .2ppm
				12		Bottom of Boring 13'
				14		

WELL CONST.



REMARKS

NOTES: DRILLING CONTR. — EMPIRE
DRILLER — JOHN YEATON
DRILLERS HELPER — JOE RAAB
DRILLING METHOD — HOLLOW STEM AUGER
DRILLING RIG — TRACK MOUNTED CME

MPI-INSPECTOR: Edward Wiederkehr

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

SHEET 1 OF 1

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MLC-MW-15d

PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 27 Nov 90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.., TEX.., C.., 2nd COMP., TEX. / C.: 3rd COMP.., ETC.., MOIST.., OTHER *)	WELL CONSTR.	REMARKS
						BACK GROUND HNU .1 to .2 ppm.	6" DIA. STEEL CASING & LOCKING CAP	
SS#1	0'to2'	50%	2 1 / 2 4	0		FILL, organic, compost, poorly sorted f-m sand matrix, little gravel, 3" wood in shoe, drk brn, damp, HNU .1--2	grade	
SS#2	2'to4'	25%	19 20 / 4 3	2		FILL, Wood core HNU-.1	2" I.D. Stainless steel (316) casing set from 29.5' below grade with a 2' stick-up	
SS#3	4'to6'	15%	2 1 / 2 2	4		FILL, compost organics, f-m sand matrix little gravel, wood in shoe, drk brn, damp HNU .1--2		
SS#4	6'to8'	10%	1 2 / 1 3	6		FILL, same	4" stainless casing (316) set from 29.1' below grade with a 2' stick-up	
SS#5	8'to10'	45%	15 60 / 5 5	9		FILL, organic material, Wood frags rooty material, some wire, bark, 5" of wood core, drk brn, No HNU.		
SS#6	10'to12'	10%	1 2 / 1 1	10		FILL, organic f-sand matrix, some silt, drk brn, wet, No HNU reading. (possible wash?)	Cement/bentonite grout placed from 25.5' to grade	
				12				
				15				
				17				

NOTES: DRILLING CONTR. — EMPIRE
DRILLER — JOHN YEATON
DRILLERS HELPER — JOE RAAB
DRILLING METHOD — SPIN CASING AND Rock Coring
DRILLING RIG — TRACK MOUNTED CME

MPI INSPECTOR
Edward Woodford

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MLC-MW-15d

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO:
DATE: 27 Nov 90	LOCATION:
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *	WELL CONST.	REMARKS
				18'		At 18.5' Spin casing hit high resistance probably top of rock		
SS#7	20to22	50%	16 17 / 19 13	20		very weathered Rock mica flakes, v.f-m quartz grains rock frags, grey-green	Reamed rock wall (for casing socket)	4" stainless casing set from 29.1' with a 2' stick-up
SS#8	25to27	0	100/½"	25		No Recovery Wash material	Cement bentonite grout placed from 25.5' to surface	No 1 sand pack from 40 below grade up to 25.5'
							2" I.D Stainless steel (316) Casing placed from 29.5' below surface with 2' of stick-up	27' Bentonite Seal 29'
SS#9	30-32	10%	100/3"	30		Same weathered material.	Rock core	29.5' 10' of 2" I.D Stainless steel screen with .010" slots 39.5'
				35				
				40		Due to contingencies encountered during well installation (i.e. running sands, severely weathered zones of bedrock to an undetermined depth) the constr. of this well follows the overburden well constr. rather than the deep rock well constr. as outlined in the work plan. This decision has been approved by the DEC.		

NOTES:

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MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING MLC-MW-15S

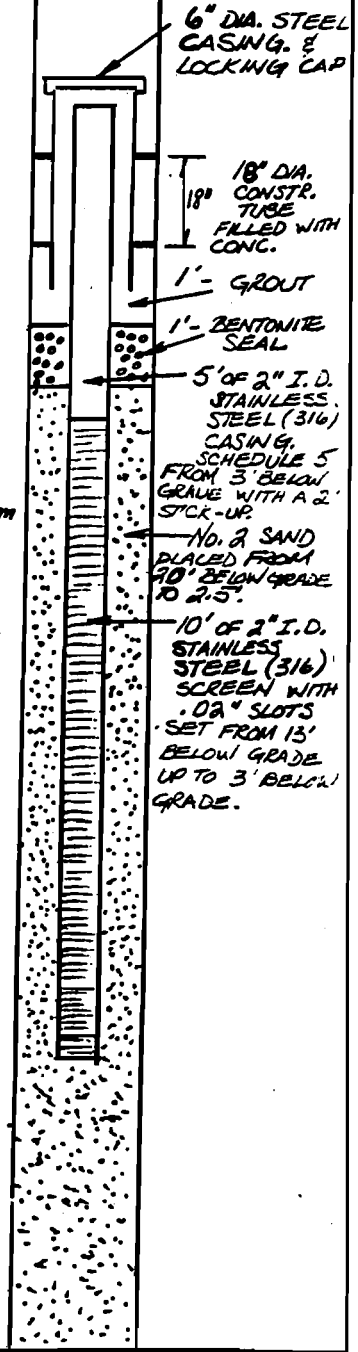
PROJECT: MAMARONECK LEAF COMPOST SITE | PROJECT NO: 1547-01-1

DATE: 20 Nov. '90 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.., TEX.., C.., 2nd COMP., TEX. C.: 3rd COMP.., ETC., MOIST.., OTHER *)
						BACKGROUND HNu - .2 ppm
SS#1	0'to2'	10%	1 1 / 1 2	0		FILL, compost, wood chips, some f-sand and silt with organics dark. brn, damp. HNu - 1ppm
SS#2	2'to4'	25%	1 2 / 4 5	2		FILL, same, with brick frags, and trace gravel, dry. HNu 5ppm
SS#3	4'to6'	60%	5 7 / 21 27	4		FILL, Wood core, dump, HNu-100ppm
SS#4	6'to8'	15%	18 8 / 10 8	6		FILL, Wood, some brick frags, compost, dark brown, moist, HNu - 1ppm.
SS#5	8'to10'	15%	5 4 / 6 4	8		FILL, pulverized concrete, organics, WET - saturated, HNu - 90ppm
SS#6	10'to12'	15%	WOH/12" / 1 1	10		CLAYEY SILT, little f-sand, med-gray damp, HNu 6ppm
				12		
				14		

WELL CONST.



REMARKS

NOTES: DRILLING CONTR. — EMPIRE

DRILLER — JOHN YEATON

DRILLERS HELPER — JOE RAAB

DRILLING METHOD — HOLLOW STEM AUGER

DRILLING RIG — TRACK MOUNTED CME 850

MRI - INSPECTOR

Edward Wiedenkeller

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

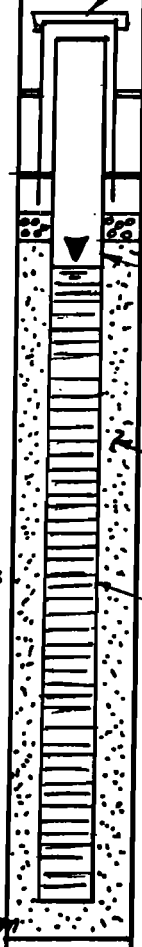
MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MLC-MW-16

PROJECT: MAMARONECK	PROJECT NO: 1547-01-1
DATE: 15 Nov '90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER *)
						BACKGROUND HNU .2 ppm
SS#1	0'-2'	15%	1 3 / 3 3	0		FILL, leaf compost, drk brown damp. HNU .2 ppm
SS#2	2-4	50%	5 7 / 20 2	2		FILL, leaf compost, some med sand & gravel, wood frags, trace plastic, drk brown, moist. HNU .2 ppm
SS#3	4-6	25%	4 3 / 4 4	4		FILL, leaf compost, little f-sand, occasional gravel, drk brown, damp. HNU 2.0 ppm
SS#4	6-8	25%	4 4 / 3 3	6		FILL, f-c sand, little silt and organics occasional gravel, drk brown, saturated. HNU .2 ppm
SS#5	8-10	25%	3 1 / 1 2	8		FILL, leaf compost, plastic bag frags, some med. sand, little silt, drk. brown wet. HNU .2 ppm
SS#6	10-12	50%	5 5 / 4 5	10		FILL, compost, wood frag, med. sand NATURAL MATERIAL ~11.5' f-c SAND, some gravel, little silt poorly sorted, light brn, wet. HNU .2 ppm
				12		Bottom of Boring 12'

WELL CONST.



REMARKS

NOTES: DRILLING CONTR. – EMPIRE
DRILLER – JOHN YEATON
DRILLERS HELPER – JOE RAAB
DRILLING METHOD – HOLLOW STEM AUGERS
DRILLING RIG – TRACK MOUNTED CME

MPI – INSPECTOR Edward Werker

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

SHEET 1 OF 1

MALCOLM PIRNIE

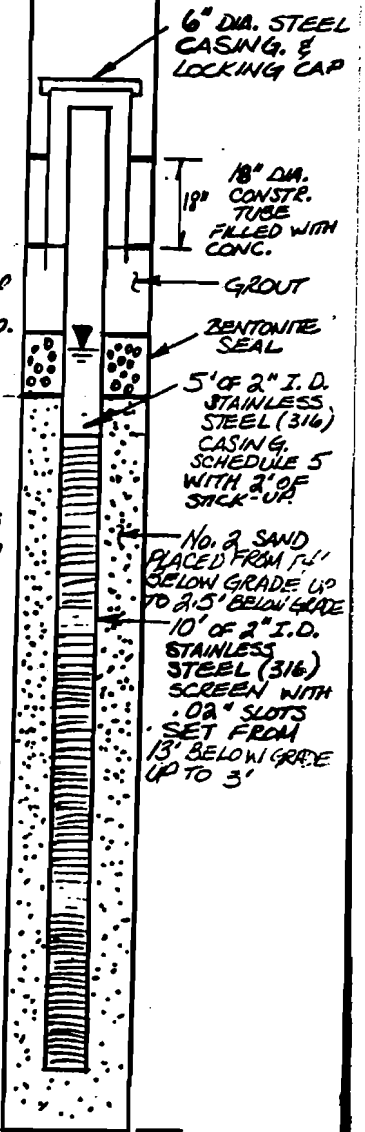
MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MLC-MW-17

PROJECT: MAMARONECK LEAF COMPOST SITE	PROJECT NO: 1547-01-1
DATE: 15 Nov. '90	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION:	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.., TEX.., C.., 2nd COMP., TEX. C.: 3rd COMP..ETC.., MOIST.., OTHER *)
						BACKGROUND HNU - 2 ppm
SS#1	0'to2'	75%	3 8 9 20	0		FILL, Top 2" compost, 14" poorly sorted f-c Sand and gravel, 2" of ash in shoe of spoon, drk brown, damp. HNU .4 ppm
SS#2	2'to4'	50%	21 7 20 11	2		FILL, upper 4" of poorly sorted f-c sand and gravel, little silt, drk brn damp. HNU .2 ppm
SS#3	4'to6'	25%	5 4 5 5	4		FILL, compost, Wood frags, conc. chips drk brn, wet, HNU on wood - 2 ppm
SS#4	6'to8'	15%	7 18 37 100/2	6		FILL, same (maybe wash) HNU .2
SS#5	8'to10'	15%	11 9 10 8	8		FILL, organics with f-c Sand matrix and fragmented rock, drk brn to blk, saturated. HNU .2
SS#6	10'to12'	25%	2 3 4 5	10		FILL, same with wood frags, trace gravel, drk brn to blk, saturated. HNU .2
				12		
				14		Bottom of Boring 14'

WELL CONST.



REMARKS

NOTES: DRILLING CONTR. - EMPIRE
DRILLER - JOHN YEATON
DRILLERS HELPER - JOE RAAB
DRILLING METHOD - HOLLOW STEM AUGER
DRILLING RIG - TRACK MOUNTED CME

MPI - INSPECTOR
Edward Vanderlek

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

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT, CT 06712

SHEET 1 OF 1
HOLE NO. MW-94-1-Shallow

GBI JOB NO. 85-94
PROJECT NAME Taylor Lane
LINE

FOREMAN-DRILLER R.S. J.C.
LOCATION Compost Site Project #94-8A
STATION 5' Southeast of MW-94-1 Deep

INSPECTOR A.Z.
Mamaroneck, NY
OFFSET

GROUND WATER OBSERVATIONS
AT 8 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4½"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

Start 10/13 Finish 10/13/94
DATE
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO.	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC.	SAMPLE DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT. (MIN.)	MOIST DENSITY OR CONSIST.	STRATA CHANGE DEPTH ELEV.	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
												.3'	3" Blacktop
												.5'	3" Road Pack
												2.0'	Brown-black fine-coarse SAND, trace silt and few cobbles
5		1	SS	24"	18"	8.0'	2	3	3		Dry	6.0'	PEAT
									2		Loose		
		2	SS	24"	18"	10.0'	3	2	4		Dry		
									3		Loose		
		3	SS	24"	20"	12.0'	3	2	9		Moist		
10									15		Medium	11.0'	Gray SILT.
		4	SS	24"	22"	14.0'	26	17	16		Wet	11.5'	Gray-brown coarse-fine SAND and GRAVEL, trace silt.
									12		Dense		
		5	SS	24"	24"	16.0'	WOR	12"	5		Wet		Tan very fine-medium SAND,
15									5		Loose	15.0'	trace gravel and silt.
												16.0'	
												EOB	END OF BORING 16.0' Soil
													Set well at 16.0'
20													Sand to 4.0'
													Bentonite to 3.0'
													Grout to 1.0'
25													7 Bags Morie #1
													½ Bag Bentonite
													2 Bags Portland
													1 Curb Box
30													10.0' Screen
													6.0' Riser
35													
40													

TYPE OF SAMPLES:
D=DRY W=WASHED C=CORED A=AUGER SS=SPLIT SPOON
UB=UNDISTURBED BALL CHECK UP=UNDISTURBED PISTON VT=VANE SPOON
PROPORTIONS USED TRACE=0-10% LITTLE=10-20% SOME=20-35%. AND=35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT, CT 06712

SHEET 1 OF 1
HOLE NO. MW-94-2-Shallow

GBI JOB NO. 85-94

PROJECT NAME: Taylor Lane

LINE:

FOREMAN-DRILLER: R.S. J.C.

LOCATION: Compost Site Project #94-8A

STATION:

INSPECTOR: A.Z.

Mamaroneck, NY

OFFSET:

GROUND WATER OBSERVATIONS
AT 6 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4½"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

DATE: Start 10/13 Finish 10/13/94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC.	SAMPLE DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT. (MIN.)	MOIST DENSITY OR CONSIST.	STRATA CHANGE DEPTH ELEV.	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
5		1	SS	24"	6"	8.0'	4	3	7		Wet		Dark Gray fine-coarse SAND,
									8		Medium		little silt, trace gravel.
		2	SS	24"	6"	10.0'	6	8	38		Wet		Dark tan CLAY, little silt.
									48		Dense		
10		3	SS	24"	24"	12.0'	21	28	26		Wet		Dark gray fine-coarse SAND, some
									20		Dense		gravel, trace silt.
		4	SS	24"	24'	14.0'	6	12	13		Wet		Gray fine-coarse SAND and GRAVEL
									15		Medium		
												14.0'	
15												EOB	END OF BORING 14.0' Soil
													10.0' Screen
													4.0' Riser
													7 Bags Sand
20													½ Bag Bentonite Pellets
													1 Curb Box
25													
30													
35													
40													

TYPE OF SAMPLES:
D=DRY W=WASHED C=CORED A=AUGER SS=SPLIT SPOON
UB=UNDISTURBED BALL CHECK UP=UNDISTURBED PISTON VT=VANE SPOON
PROPORTIONS USED TRACE=0-10% LITTLE=10-20% SOME=20-35%, AND=35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT, CT 06712

SHEET 1 OF 1

HOLE NO. MW-94-3-Shallow

GBI JOB NO. 85-94

PROJECT NAME Taylor Lane

LINE

FOREMAN-DRILLER R.S. J.C.

LOCATION Compost Site Project #94-8A

STATION

INSPECTOR A.Z.

Mamaroneck, NY

OFFSET

GROUND WATER OBSERVATIONS
AT 6 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

DATE Start 10/25 Finish 10/25/94

SURFACE ELEV.

GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC.	DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT (MIN.)	MOIST DENSITY OR CONSIST.	STRATA CHANGE DEPTH ELEV.	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
5													
		1	SS	24"	24"	10.0'	4	2	2		Wet		1) Dark brown PEAT (organics)
									2	Very	Loose		
10		2	SS	24"	24"	12.0'	1	1	1		Wet		2) Same
									2	Very	Loose		
		3	SS	24"	24"	14.0'	1	2	1		Wet		3) Same
									2	Very	Loose		
		4	SS	24"	24"	16.0'	6	16	16		Wet		4) Same
15									15		Dense		
		5	SS	24"	24"	18.0'	16	20	11		Wet		5) Dark brown fine-coarse SAND
									22		Dense		and PEAT.
												18.0'	
												EOB	END OF BORING 18.0' Soil
20													
													10.0' Screen
													8.0' Riser
													7 Bags Sand
25													3/4 Bag Bentonite Pellets
													1 Curb Box
30													
35													
40													

TYPE OF SAMPLES:
D= DRY W= WASHED C= CORED A= AUGER SS= SPLIT SPOON
UB= UNDISTURBED BALL CHECK UP= UNDISTURBED PISTON VT= VANE SPOON
PROPORTIONS USED TRACE= 0-10% LITTLE= 10-20% SOME= 20-35%, AND= 35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT, CT 06712

SHEET 1 OF 2
HOLE NO. MW-94-1-Deep

GBI JOB NO. 85-94

PROJECT NAME Taylor Lane

LINE

FOREMAN-DRILLER R.S. J.C.

LOCATION Compost Site Project #94-8A

STATION

INSPECTOR A.Z.

Mamaroneck, NY

OFFSET

GROUND WATER OBSERVATIONS
AT 11 FT. AFTER 0 HOURS
AT _____ FT. AFTER _____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4¼"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

Start Finish
DATE 10/11 10/12/94
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	NO	TYPE	PEN	REC	DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT (MIN.)	MOIST DENSITY OR CONSIST.	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR. LOSS OF WASH WATER. SEAMS IN ROCK. ETC.
		1	SS	24"	18"	3.0'	28	19	9		Dry	.3'	3" Blacktop
									10		Medium	2.0'	Black-brown fine-medium SAND, little silt, trace gravel.
5		2	SS	24"	10"	7.0'	50	42	18		Moist	5.0'	Few Cobbles and boulders
									11		Very		Cobbles
											Dense	7.0'	Brown-black fine-medium SAND, some silt, trace gravel.
10		3	SS	24"	1"	12.0'	4	3	4		Moist	10.0'	Same 10.5' Peat
									8		Loose		
												13.0'	Change
15		4	SS	24"	8"	17.0'	10	8	10		Wet	15.0'	Brown fine SAND, trace medium
									13		Medium		sand and gravel.
20		5	SS	24'	24'	22.0'	14	12	13		Wet	20.0'	Tan fine SAND, little silt.
									12		Medium	21.5'	Gray fine SAND, little silt, trace medium sand.
25		6	SS	24"	24"	27.0'	8	6	7		Wet	25.0'	Gray very fine-fine SAND,
									8		Medium		little to trace silt.
30		7	SS	24"	24'	32.0'	11	12	14		Wet	30.0'	Gray-brown coarse to fine
									22		Medium		SAND, some gravel, trace silt.
35		8	SS	24"	24'	37.0'	26	12	8		Wet	35.0'	Same
									8		Medium		
40		9	SS	24"	24'	42.0'	5	8	10		Wet	40.0'	Gray very fine-fine SAND,
									20		Medium		little silt.

TYPE OF SAMPLES:
D=DRY W=WASHED C=CORED A=AUGER SS=SPLIT SPOON
UB=UNDISTURBED BALL CHECK UP=UNDISTURBED PISTON VT=VANE SPOON
PROPORTIONS USED TRACE=0-10% LITTLE=10-20% SOME=20-35%. AND=35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT, CT 06712

SHEET 2 OF 2
HOLE NO. MW-94-1-Deep

GBI JOB NO. 85-94

PROJECT NAME: Taylor Lane

LINE

FOREMAN-DRILLER: R.S. J.C.

LOCATION: Compost Site Project #94-8A

STATION

INSPECTOR: A.Z.

Mamaroneck, NY

OFFSET

GROUND WATER OBSERVATIONS
AT 11 FT. AFTER 0 HOURS
Note: Groundwater tidal 10:30
AT 2' FT. AFTER 24 HOURS 9:00

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4¼"	1-3/8"	
HAMMER WT.		140 LBS	BIT
HAMMER FALL		30"	

DATE Start 10/12 Finish 10/12/94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT MIN	DENSITY OR CONSIST. MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
45		10	SS	24"	24"	47.0'	7	7	14		Wet	45.0'	Same
									17		Medium		
50		11	SS	24"	12"	52.0'	W	O	R		Wet	50.0'	Same
											Very Loose		
55		12	SS	24"	18"	57.0'	12	8	5		Wet	55.0'	Gray very fine SAND and SILT.
									8		Medium		
60		13	SS	24"	24"	62.0'	W	OR/12"	18		Wet	60.0'	Same
									68		Medium	61.5'	Decomposed BEDROCK
													GNEISS, SCHIST and MICA.
												63.0'	
												EOB	END OF BORING 63.0' Soil
65													
													10.0' Screen
													53.0' Riser
													1 Bag Bentonite Pellets
70													9 Bags Morie #1
													8 Bags Cement
													1 8" Curb Box
75													
80													

TYPE OF SAMPLES:
D=DRY W=WASHED C=CORED A=AUGER SS=SPLIT SPOON
UB=UNDISTURBED BALL CHECK UP=UNDISTURBED PISTON VT=VANE SPOON
PROPORTIONS USED TRACE=0-10% LITTLE=10-20% SOME=20-35%. AND=35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT. CT 06712

SHEET 1 OF 2
HOLE NO. MW-94-2 Deep

GBI JOB NO. 85-94
PROJECT NAME Taylor Lane
LINE

FOREMAN-DRILLER R.S. J.C.
LOCATION Compost Site Project #94-8A
STATION

INSPECTOR A.Z.
Mamaroneck, NY
OFFSET

GROUND WATER OBSERVATIONS
AT 8 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4½"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

DATE Start 10/14 Finish 10/14/94
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT. (MIN.)	MOIST DENSITY OR CONSIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
												.3'	Blacktop
												.5'	Road pack
													Brown fine-medium SAND and MICA little-some silt.
5		1	SS	24"	20"	7.0'	15	12	3			5.0'	
									2		Medium	5.8'	PEAT
												9.0'	Change
10		2	SS	24"	20"	12.0'	12	15	14			10.0'	Gray coarse to fine SAND and GRAVEL, trace silt.
									28		Loose		
												15.0'	Same
15		3	SS	24"	18"	17.0'	12	6	6				
									7		Medium		
20		4	SS	24"	24"	22.0'	12	10	7			21.0'	Gray fine-medium SAND, trace silt.
									38		Medium		
25		5	SS	24"	24"	27.0'	5	4	3				
									2		Loose		
												29.0'	Same
30		6	SS	24"	24"	32.0'	WOR	4	3				
									8		Loose		
35		7	SS	24"	24"	37.0'	4	5	7			35.0'	Light gray very fine-fine SAND, little to some silt.
									8		Medium		
40		8	SS	24"	24"	42.0'	WOR	12"	8			40.0'	Same

7 Medium

TYPE OF SAMPLES:
D=DRY W=WASHED C=CORED A=AUGER SS=SPLIT SPOON
UB=UNDISTURBED BALL CHECK UP=UNDISTURBED PISTON VT=VANE SPOON
PROPORTIONS USED TRACE=0-10% LITTLE=10-20% SOME=20-35%. AND=35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT. CT 06712

SHEET 2 OF 2
HOLE NO MW-94-2-Deep

GBI JOB NO. 85-94

PROJECT NAME: Taylor Lane

LINE

FOREMAN-DRILLER: R.S. J.C.

LOCATION: Compost Site Project #94-8A

STATION

INSPECTOR: A.Z.

Mamaroneck, NY

OFFSET

GROUND WATER OBSERVATIONS
AT 8 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4¼"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

Start 10/13 Finish 10/13/94
DATE
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH & BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	DRILLING TIME PER FT MIN	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS, ROCK, ETC
45		9	SS	24"	24"	47.0'	W	10	R/24"			45.0'	Same
50		10	SS	24"	24"	52.0'	10	23	18				Same
									21		Dense	52.0'	
55		11	SS	24"	24"	57.0'	7	8	11				Same
									12		Medium	57.0'	
60		12	SS	9"	9"	62.0'	63	63/3"					Gray very fine-fine SAND, with claying silt layers.
											Very Dense	62.0'	
65		13	SS	19"	19"	67.0'	7	11	50				Same
									50/1"		Very Dense	67.0'	
												69.8'	Gray medium-fine SAND and SILT, some medium gravel.
70		14	SS	2"	2"	69.8'	90/2"				Very Dense	EOB	END OF BORING 69.8' Soil
75													10.0' Screen 55.0' Riser 8 Bags Sand 3/4 Bag Bentonite Pellets 8 Bags Cement 1 Gel 1 Curb Box
80													

TYPE OF SAMPLES:
D= DRY W= WASHED C= CORED A= AUGER SS= SPLIT SPOON
UB= UNDISTURBED BALL CHECK UP= UNDISTURBED PISTON VT= VANE SPOON
PROPORTIONS USED TRACE= 0-10% LITTLE= 10-20% SOME= 20-35%. AND= 35-50%

CLIENT: Village of Mamaroneck

General Borings, Inc.

P.O. BOX 7135 PROSPECT. CT 06712

SHEET 1 OF 1
HOLE NO. MW-94-3-Deep

GBI JOB NO. 85-94
PROJECT NAME Taylor Lane
LINE

FOREMAN-DRILLER R.S. J.C.
LOCATION Compost Site Project #94-8A
STATION

INSPECTOR A.Z.
Mamaroneck, NY
OFFSET

GROUND WATER OBSERVATIONS
AT 6 FT. AFTER 0 HOURS
AT ____ FT. AFTER ____ HOURS

	CASING	SAMPLER	CORE BAR.
TYPE	HA	SS	
SIZE I.D.	4"	1-3/8"	
HAMMER WT.		140 LBS.	BIT
HAMMER FALL		30"	

DATE Start 10/26 Finish 10/27/94
SURFACE ELEV. ____
GROUND WATER ELEV. ____

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC.	SAMPLE DEPTH @ BOT	BLOWS PER 6" ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT. (MIN.)	MOIST DENSITY OR CONSIST	STRATA CHANGE DEPTH ELEV.	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR. LOSS OF WASH WATER. SEAMS IN ROCK. ETC.
5		1	SS	24"	24"	7.0'	18	15	5		Wet		1) Gray fine-medium SAND, trace
									3		Loose		fine gravel.
10		2	SS	24"	24"	12.0'	11	4	2		Wet		2) Dark brown PEAT.
									3		Loose		
15		3	SS	24"	24"	17.0'	5	3	3		Wet		3) Gray fine-medium SAND, trace
									3		Loose		silt.
20		4	SS	24"	24"	22.0'	8	8	8		Wet		4) Same
									6		Medium		
25		5	SS	24"	24"	27.0'	3	4	6		Wet		5) Gray fine-medium SAND and
									6		Medium		GRAVEL, trace silt.
30		6	SS	24"	8"	32.0'	4	11	46		Wet		6) Gray fine SAND and fine-
									70	Very	Dense		coarse GRAVEL and ROCK FRAGMENTS
												32.0'	
												EOB	END OF BORING 32.0' Soil
35													20.0' Riser
													10.0' Screen
													8 Bags Sand
													3 Bags Grout
													1 Bag Bentonite Pellets
40													1 Curb Box

TYPE OF SAMPLES:
D= DRY W= WASHED C= CORED A= AUGER SS= SPLIT SPOON
UB= UNDISTURBED BALL CHECK UP= UNDISTURBED PISTON VT= VANE SPOON
PROPORTIONS USED TRACE= 0-10% LITTLE= 10-20% SOME= 20-35%. AND= 35-50%

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING PZ-1

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/29/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER *)	WELL CONSTR.	REMARKS
1	0-2	75	15 10 / 9 24			FILL; m.-f. sand, rock frags, wood, some organics. HNu 1.2, brown.		
2	2-4	75	9 9 / 17 20	2		FILL; same HNu 1.5, drk brown to gray.		
3	4-6	10	19 16 / 14 8	4		FILL; rock fragments, wet, petrol. odor HNu 10.0		
4	6-8	10	1 1 / 4 1	6		FILL; m-f. sand, little silt, rock frags compost, HNu 45		
5	8-10	10	3 4 / 1 1	8		FILL; same, HNu 60		
6	10-12	0	6 12 / 22 3	10	No Material Recovery	No Recovery; a white/off-white substance with the consistancy of grease is smeared on the samplers exterior. HNu-60		
7	12-14	0	1 1 / 2 1	12		Same - it is possible the spoon sampler penetrated a buried drum. HNu 70		
8	14-16	10	3 1 / 2 2	14		Black, "sludgy" substance, pungeant odor. HNu 70		#10 Sand Pack
9	16-18	75	4 3 / 18 17	16		SILT and organic material (peat?) plastic bag fragments. HNu 25		Bentonite Pellet Seal
10	18-20	40	4 9 / 22 37	18		f.-m. SAND, some gravel, little c.-sand, little silt, grading to f.-sand and silt at 19.8'. HNu 5.0, yellow/orang		2" PVC Riser
11	22-24	50	15 27 / 23 27	20		Same; metal fragments observed in the tip of spoon. HNu 5.0		2" PVC 10 Slot Screen
				22				

NOTES: DRILLING CONTR.	EMPIRE
DRILLER	BRIAN WAGNER
DRILLERS HELPER	WALT KETTER
DRILLING METHOD	HOLLOW STEM AUGER
DRILLING RIG	TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-1

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/29/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.., TEX.., C., 2nd COMP., TEX. C.: 3rd COMP.., ETC., MOIST.., OTHER *)	WELL CONST.	REMARKS
S3	22-24	50	5 8 12 14			m.-SAND, little c.-gravel, grading from gray to orange/yellow. HNU 2		
S3	24-26	50	9 10 10 8	24		m.-c. SAND, some gravel, orange-yellow. HNU 7.0		
S4	26-28	40	12 9 8 8	26		Same; HNU 5.0		
S5	28-30	50	8 10 9 9	28		Same; grading to gray, HNU 4.0		
				30				
S6	35-37	40	7 6 8 6	35		f.-m. SAND, little gravel, HNU 3.0		
				37				
S7	40-42	80	13 22 53 100/5	40		Same, with rk. frags (weathered rk.)		
						Bottom of boring 41.5'		
				42				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING MZ-2

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/30/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONSTR.	REMARKS
1	0-2	50	WH 3 / 5 7			FILL; f- sand, little silt, compost wood fragments, rock fragments dark brown, HNu 1.0		HNu backgrnd .6
2	2-4	50	8 8 / 9 8	2		FILL; f. sand, little silt, leaf compost, broken glass, wet, gray-blk. HNu 1.0		
3	4-6	0	7 6 / 9 6	4		No Recovery.		
4	6-8	75	5 4 / 4 2	6		FILL; silt, (fill frags) black wet product odor, HNu 100		
5	8-10	25	2 2 / 4 3	8		FILL; f.-sand, silt, broken glass wood, black; HNu 120		
6	10-12	25	2 1 / 1 1	10		Peat / Compost, drk brown, HNu 50.0		
7	12-14	30	3 4 / 4 4	12		Same with some silt; HNu 50.0		#10 Sand Pack
8	14-16	75	16 12 / 13 15	14		Same and silt; HNu 10.0		
9	16-18	80	15 18 / 16 14	16		Same to 17.5' then grading to orange/yellow f.-m. SAND, trace silt, occasional gravel. HNu 6.0		Bentonite Pellet Seal
10	18-20	40	16 17 / 14 14	18		Same		2" PVC Riser
11	20-22	75	12 14 / 15 13	20		Same to 21'; then f-sand and layered m-Sand occasional silt stringers. HNu 2.0		2" PVC 10 Slot Screen
				22				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

* NOTE: M. COMP. = MAJOR COMPONENT, TEX. = TEXTURE, C. = SOILS

MALCOLM PIRNIE — MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-2

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/30/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX., C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
12	22-24	40	12 15			m. SAND, some gravel and C.-sand yellow/orange, HNu 2.0.		
			13 16					
				24				
13	24-26	50	12 8			Same; interbedded layers of f.-m. sand and C.-sand. HNu 2.0		
			13 13					
				26				
14	26-28	60	18 16			Same to 27.5' then grading to tan/gray f.- SAND, HNu 8.0		
			22 16					
				28				
15	28-30	70	16 21			Same; HNu 4.0		
			23 15					
				30				
				32				
				35				
16	35-37	60	11 27			Same; little m.-sand, rk. frags in the tip of spoon. HNu		
			25 25					
				37				End of day Begin 0810 1/31/92
				38				
17	38-40	25	38 40			green/gray very fine "pasty" matrix with large (2" dia) rk frags at 39' HNu 14. (weathered rk?)		
			36 45					
				40				
18	40-42	25	45 60			Rock frags in tip and coarse sand above		
			65 24					
				42		Bottom of boring (auger refusal) top of bedrock.		

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 26 PARAMUS, NJ 07653

BORING PZ-3

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/28/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRAT.	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. / C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
1	0-2	75	14 17 / 22 43			FILL; brown f.- sand, some silt, gravel slag (ash ?) conc. chips HNU 1.2		HNU Backgr. .6
2	2-4	75	14 10 / 12 25	2		FILL; same (broken glass) some organics HNU 2.8		
3	4-6	50	12 11 / 6 6	4		FILL; same - occasional lens of silt, wood fragments. HNU 2.0 petrol./Solvent odor., wet.		
4	6-8	50	5 3 / 100/3"	6		FILL; m.- sand, little silt; metal frags (appears to be aluminum). HNU 2.5		
5	8-10	60	3 1 / 1 WOH	8		FILL; same.		
6	10-12	0	1 1 / 1 1	10		—		
7	12-14	50	3 2 / 3 5	12		FILL; silt, some f.- sand with organic material (peaty) (broken glass, metal frags). HNU 1.0.		
8	14-16	40	3 5 / 4 6	14		f.- SAND, some gravel, little silt and m-c sand, orange/yellow, poorly sorted. HNU .6		
9	16-18	40	7 7 / 6 8	16		m.- c. SAND, some large gravel (up to 2" dia.), trace silt. HNU .6		
10	18-20	100	4 6 / 5 8	18		m.- SAND, little gravel, trace silt grey. HNU .6		
11	20-22	40	7 6 / 7 5	20		m.-c SAND, yellow/orange; grading to f.- m. sand, occasional large gravel little silt, poorly sorted. HNU .6		
				22				

#10 Sand Pack

Bentonit Pellet Seal

2" PVC Riser

2" PVC 10 slot Screen

NOTES:

DRILLING CONTR.	EMPIRE
DRILLER	BRIAN WAGNER
DRILLERS HELPER	WALT KETTER
DRILLING METHOD	HOLLOW STEM AUGER
DRILLING RIG	TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-3

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/28/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"		DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST, OTHER *)	WELL CONST.	REMARKS
12	22-24	40	10	11			f.-m. SAND, little coarse sand, little gravel, trace silt (qtz. sand, micaceous). HNu .8		
			9	7					
					24				
13	24-26	25	11	9			Same; HNu .6		
			8	10					
					26				
					28				
14	30-32	0	10	3	30		No Recovery-		
			4	6					
					32				
15	35-37	40	15	5	35		f.-m. SAND, little coarse sand and gravel trace silt, grey, HNu .6		
			6	8					
					37				
16	40-44	40	17	27	40		m.-c. SAND, little gravel (up to 1.5" dia) poorly sorted, yellow/gray, HNu .6		
			17	11					
					42		Same		
					44				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING DZ-3

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/28/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.. TEX.., C., 2nd COMP., TEX. C.: 3rd COMP..ETC., MOIST.. OTHER *)	WELL CONST.	REMARKS
17	45-47	50	45 | 43 100/6	46		f.- SAND gray, weathered rk frags in tip of spoon.		
						Bottom of Boring 46.5'		
				48				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-4

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/23/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRAT	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. / C.: 3rd COMP., ETC., MOIST., OTHER)	WELL CONST.	REMARKS
1	0-2	20	3 6 / 3 5			FILL; drk brown organic soil, little f- sand, occasional rock fragments, remnant leaf bags. HNu .8		
2	2-4	100	3 6 / 11 8	2 ▽		FILL; (metal frags, decayed wood) HNu .8 (collected for analysis).		
3	4-6	0	8 7 / 5 2	4		No Recovery.		
4	6-8	0	2 2 / 1 2	6		No Recovery		#10 Sand Pack
5	8-10	80	4 5 / 5 3	8		Drk brown, PEAT (wood frags); in the tip is gray f- SAND, HNu .4 (collected for analysis).		Bentonite Pellet Seal
6	10-12	30	5 7 / 6 8	10		tan/gray m.- SAND, trace silt, occasional rock frag., wet HNu .4		
7	12-14	50	8 5 / 7 8	12		m.-c. SAND, grading to f.- sand at 14'.		2" PVC Riser
8	14-16	50	6 8 / 5 8	14		f.- SAND and SILT down to 15' (some banding); layer of c.-sand(4").		
9	16-18	100	10 11 / 9 8	16		gray f.-m. SAND, very micaceous.		2" PVC 10 Slot Screen
10	18-20		14 18 / 100/4"	18		Refusal at 19.5'; f.-m. SAND, rock frags in tip.		
				20		Bottom of Boring 19.8' (to bedrock).		

NOTES:

DRILLING CONTR.	EMPIRE
DRILLER	BRIAN WAGNER
DRILLERS HELPER	WALT KETTER
DRILLING METHOD	HOLLOW STEM AUGER
DRILLING RIG	TRACK MOUNTED CME

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 36 PARAMUS, NJ 07653

BORING PZ-5

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/15/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
1	0-2	80	3 5 / 5 6			FILL; brown-black organic sand, little silt, some cinder material, damp HNU .2		
				2				Bentonite Pellet Seal
2	2-4	100	6 8 / 3 4			FILL; brown f.-sand (broken glass orange/black frags of cinder/slag, damp HNU 1.0		
				4				
3	4-6	10	100/4			Same, wet HNU 1.0		
				6				
4	6-8	5	100/3			Rock frags.		
				8				
5	8-10		Spoon Refusal			Same.		
						1/21/92 - Begin to core rock We begin with a roller bit and advance to 11', creating a "socket" for the shallow piezometer.		
				10				
						Cored rock down to 24.66'		
				12		Gneissic rock with many vert. fractures - many mica seams coincident with the fractures.		#10 Sand Pack
				14				
								2" PVC Riser
				16				
				18				
								2" PVC 10 slot Screen
				20				
				22				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING P7-5

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/15/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION M. COMP., TEX., C.; 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER *	WELL CONST.	REMARKS
				24				
				26				

NOTES:

DRILLING CONTR.	EMPIRE
DRILLER	BRIAN WAGNER
DRILLERS HELPER	WALT KETTER
DRILLING METHOD	HOLLOW STEM AUGER
DRILLING RIG	TRACK MOUNTED CME

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

MALCOLM PIRNIE

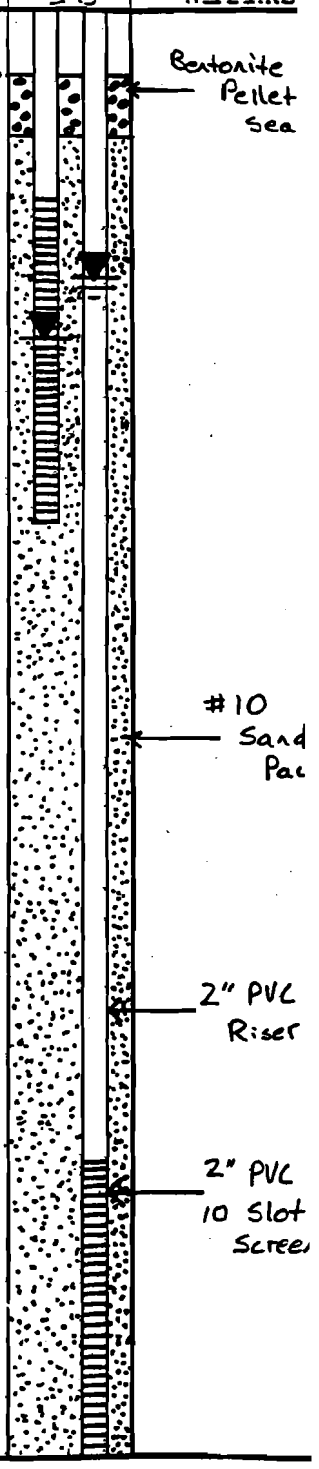
MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-6

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/10/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)
1	0-2	40	3 | 2			FILL; silt and sand with organic matter, cinders, broken glass, brown to black, moist HNu .4
			3 | 7			
2	2	50	4 | 3	2		Same (metal frags, glass) HNu .4
			2 | 4			
3	4-6	50	2 | 1	4		FILL; bottom 6" grades into a dark gray micaceous silt, little f. sand moist, HNu .4
			3 | 3			
4	6-8	50	2 | 3	6		SILT and f. SAND occasional rock frag, appears to contain some cinder/slag. wet, HNu .4
			3 | 4			
5	8-10	50	9 | 11	8		Weathered rock; gneiss and chlorite schist.
			16 | 19			
6	10-12	10	16 | 31	10		Same, with silt and sand seams (micaceous).
			32 | 25			
7	12-14	50	45 | 32	12		gray-black rock frags very weathered mica schist f. sand and silt throughout (weathered). HNu .4
			14 | 100/0			
				14		Refusal encountered at 14'; However we were able to advance the augers with little or no resistance to the desired screened depth of 23'.
				16		
				18		
				20		
				22		

WELL CONST. / REMARKS



NOTES:

DRILLING CONTR.	EMPIRE
DRILLER	BRIAN WAGNER
DRILLERS HELPER	WALT KETTER
DRILLING METHOD	HOLLOW STEM AUGER
DRILLING RIG	TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-6

PROJECT: MAMARONECK LEAF COMPOST	PROJECT NO: 1547-01-1
DATE: 1/10/92	LOCATION: TAYLOR LANE, MAMARONECK
ELEVATION: N/A	DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.; 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
				24		Bottom of Boring		

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-7

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/13/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	depth	recovery %	blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP.. TEX., C., 2nd COMP., TEX. C.; 3rd COMP.. ETC.. MOIST.. OTHER *)	WELL CONSTR.	REMARKS
1	0-2	50	3 2 / 4 2	2		FILL; 4" of dark brown organic soil, then brown f.- sand, some silt, rooty, some cinder/slag material, some metal frags. HNu .4, damp.		
2	2-4	40	2 2 / 1 2	4		Same		
3	4-6	40	1 1 / 1 1	6		Same (clay tile, decaying wood) wet, HNu .4		
4	6-8	100	1 1 / 1 1	8		Compost/Peat HNu .6		
5	8-10	100	weight of bam. 1	10		Same		Bento. Pell. S.
6	10-12	80	4 6 / 5 8	12		green/gray m.-c. SAND, little silt, very micaceous qtz. sand in the tip of spoon, f.- sand., wet. HNu .6		
7	12-14	100	6 8 / 10 12	14		Same f.- SAND. HNu 1.4		# 1C So f
8	14-16	70	1 1 / 1 1	16		Same, HNu 1.2		
9	16-18	60	4 4 / 5 6	18		Same, HNu. 1.0		2" F Ri
10	18-20	60	5 4 / 1 1	20		Same - No reading on HNu.		
11	20-22	50	3 3 / 3 5	22		Same		2" V 10 Sc

NOTES:

DRILLING CONTR. EMPIRE

DRILLER BRIAN WAGNER

DRILLERS HELPER WALT KETTER

DRILLING METHOD HOLLOW STEM AUGER

DRILLING RIG TRACK MOUNTED CME

MALCOLM PIRNIE

MALCOLM PIRNIE, INC. 100 EISENHOWER DR. P.O. BOX 38 PARAMUS, NJ 07653

BORING PZ-7

PROJECT: MAMARONECK LEAF COMPOST | PROJECT NO: 1547-01-1

DATE: 1/13/92 | LOCATION: TAYLOR LANE, MAMARONECK

ELEVATION: N/A | DATUM:

SAMPLE no.	SAMPLE depth	SAMPLE recovery %	SAMPLE blows per 6"	DEPTH	STRATA	SOIL DESCRIPTION (M. COMP., TEX., C., 2nd COMP., TEX. C.: 3rd COMP., ETC., MOIST., OTHER *)	WELL CONST.	REMARKS
12	22-24	60	3 4			Same; f.-sand (micaceous, very unif.)		
			6 7					
				24		Bottom of Boring 24'		
				26				
				28				

NOTES:
DRILLING CONTR. EMPIRE
DRILLER BRIAN WAGNER
DRILLERS HELPER WALT KETTER
DRILLING METHOD HOLLOW STEM AUGER
DRILLING RIG TRACK MOUNTED CME

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

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DRAFT

WELL NUMBER Leachate Well

CLIENT Village of Mamaroneck
PROJECT NAME Taylors Lane Composting Site (Site ID 360021)
PROJECT NUMBER 213733
PROJECT LOCATION Village of Mamaroneck, NY
DATE STARTED 12/6/10 **COMPLETED** 12/6/10
GROUND ELEVATION 14.95 ft MSL **HOLE SIZE** 14
DRILLING CONTRACTOR Moretrench, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow stemmed auger
AT TIME OF DRILLING ---
LOGGED BY Evan Trumpatori **CHECKED BY** Lou Russo
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS	Casing Top Elev: 17.03 (ft)
2			Top Soil
			Exisiting/Repaired 40 MIL HDPE Liner
4			
6			6" Schedule 80 Perforated HDPE Discharge Pipe. INV. @ Elevation 9.2
8			Sand Filter Pack
10			Stainless Steel (Type 304) Screen (Slott Size=0.03")
12			1' Deep Silt Trap

Woodard and Curran
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DRAFT

WELL NUMBER PZ-A

CLIENT Village of Mamaroneck
PROJECT NAME Taylors Lane Composting Site (Site ID 360021)
PROJECT NUMBER 213733
PROJECT LOCATION Village of Mamaroneck, NY
DATE STARTED 8/17/10 **COMPLETED** 8/17/10
GROUND ELEVATION 19.54 ft MSL **HOLE SIZE** 2-in
DRILLING CONTRACTOR AARCO
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe 7822DT
AT TIME OF DRILLING 5.00 ft / Elev 14.54 ft
LOGGED BY Charley Paternostro **CHECKED BY** Lou Russo
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	RECOVERY (INCHES)	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION	Environmental Data	WELL DIAGRAM
0						Casing Top Elev: 19.04 (ft) Casing Type: PVC
			0.5 / 19.0	Black, dry , TOPSOIL, trace roots with grass	PID = 0ppm	1ft cement seal
				Brown, dry, medium to fine SAND, trace cobbles		
2	38		2.8 / 16.8			Well casing is flush mounted 1.5ft bentonite seal 6" sand pack above top of well screen
			2.8 / 16.8	Insulation		
			3.2 / 16.4	Dark brown/Black, moist, organic, leaves, roots		
4				▽ Gray, Wet,SILT	PID = 0ppm	
6			6.0 / 13.5	Dark brown/Black, moist, organic, leaves, root		
8	51		7.9 / 11.6	Light brown, moist,SILT		10ft of sand pack encased around well screen to bottom of well
			9.0 / 10.5	Brown, moist, medium to fine SAND, some medium to fine Gravel, trace cobble		
10					PID = 0ppm	
12	30					
14			13.6 / 6.0	Brown-Orange, moist, coarse to fine SAND, trace Silt		
			14.5 / 5.0	Refusal at 14.5		
				Bottom of borehole at 14.5 feet.	PID = 0ppm	

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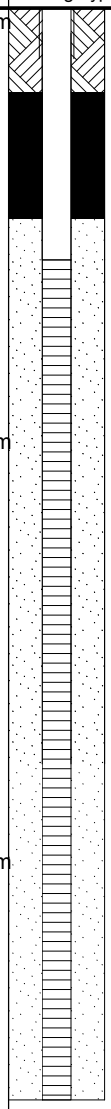
WELL NUMBER PZ-B

CLIENT Village of Mamaroneck
PROJECT NAME Taylors Lane Composting Site (Site ID 360021)
PROJECT NUMBER 213733
PROJECT LOCATION Village of Mamaroneck, NY
DATE STARTED 8/17/10 **COMPLETED** 8/17/10
GROUND ELEVATION 15.55 ft MSL **HOLE SIZE** 2-in
DRILLING CONTRACTOR AARCO
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe 7822DT
AT TIME OF DRILLING ---
LOGGED BY Charley Paternostro **CHECKED BY** Lou Russo
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	RECOVERY (INCHES)	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		Environmental Data
0			0.5	Black, dry , TOPSOIL, trace roots with grass	15.1	PID = 0ppm
				Brown, dry, coarse to medium SAND, little coarse to medium gravel, little glass, brick, wood fragments		
2	51		3.1		12.5	
			3.4	Glass	12.1	
4				Dark brown to Black, moist, organic (composte)		
						PID = 0ppm
6			6.1		9.5	
				Black, wet, Sandy SILT with organic, little plastic, brick fragments		
8	49					
10						PID = 0ppm
12			12.2		3.4	
	45		12.6	Dark brown, wet, coarse to fine SAND, some coarse to fine gravel, trace cobbles	3.0	
			13.0	Black, wet, SILT, trace fine sand	2.6	
				Tan, wet, medium to fine SAND, trace medium to fine Gravel		
14			13.8		1.8	
				Bottom of borehole at 15.0 feet.		PID = 0ppm

WELL DIAGRAM

Casing Top Elev: 17.22 (ft)
Casing Type: PVC



1ft cement seal

Well casing is 0 to +2 ft above grade
1.5ft bentonite seal
6" sand pack above top of well screen

6ft of sand pack encased around well screen top to bottom of well

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WELL NUMBER PZ-C

CLIENT Village of Mamaroneck
PROJECT NAME Taylors Lane Composting Site (Site ID 360021)
PROJECT NUMBER 213733
PROJECT LOCATION Village of Mamaroneck, NY
DATE STARTED 8/17/10 **COMPLETED** 8/17/10
GROUND ELEVATION 17.25 ft MSL **HOLE SIZE** 2-in
DRILLING CONTRACTOR AARCO
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe 7822DT
AT TIME OF DRILLING 13.60 ft / Elev 3.65 ft
LOGGED BY Charley Paternostro **CHECKED BY** Lou Russo
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	RECOVERY (INCHES)	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		Environmental Data	WELL DIAGRAM
0				0.3	Black, dry , TOPSOIL, trace roots with grass	16.9	PID = 0ppm	Casing Top Elev: 19.33 (ft) Casing Type: PVC
2	51	SP		2.6	Brown, dry, coarse to medium SAND, little coarse to medium gravel, little glass, brick, wood	14.7		1ft cement seal Well casing is 0 to +2ft above grade 1.5ft bentonite seal 6" sand pack above top of well screen
4		OL		3.3	Glass, plastic fragments	14.0		
6	51	OL		4.3	Dark brown, moist, Silty SAND with glass, wood, plastic fragments	13.0		
8		OL		5.6	Moist, brown, Silty SAND and organics, brick, glass fragments	11.7	PID = 0ppm	10ft of sand pack encased around well screen to bottom of well
10					Brown, wet, Silty SAND and organics, brick, glass, plastic fragments			
12	41	SP		12.5	Gray, wet, coarse to fine SAND and coarse to fine gravel	4.8	PID = 0ppm	
14				13.4		3.8		
16	18			16.5	Gray, wet, coarse to fine SAND and coarse to fine gravel, trace silty sand, trace cobbles	0.8	PID = 0ppm	

Bottom of borehole at 17.0 feet.

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DRAFT

WELL NUMBER PZ-D

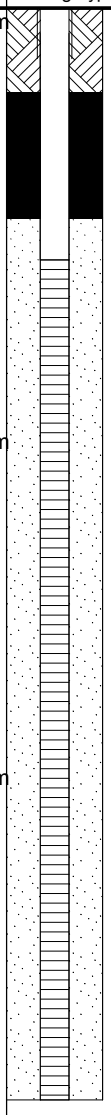
CLIENT Village of Mamaroneck
PROJECT NAME Taylors Lane Composting Site (Site ID 360021)
PROJECT NUMBER 213733
PROJECT LOCATION Village of Mamaroneck, NY
DATE STARTED 8/17/10 **COMPLETED** 8/17/10
GROUND ELEVATION 15.49 ft MSL **HOLE SIZE** 2-in
DRILLING CONTRACTOR AARCO
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe 7822DT
AT TIME OF DRILLING 5.50 ft / Elev 9.99 ft
LOGGED BY Charley Paternostro **CHECKED BY** Lou Russo
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	RECOVERY (INCHES)	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		Environmental Data
0				0.4	Black, dry , TOPSOIL, trace roots with grass	15.1	PID = 0ppm
				0.5	Brown, dry, coarse to medium SAND, little medium to fine gravel, little glass, brick fragments	15.0	
2	53	SP		2.8		12.7	
					Dark brown to black, dry, fine SAND, and organics(roots, leaves, wood), some glass, brick , plastic fragments, little fine cobbles		
4				4.3		11.2	
				4.3	Cobble encountered	11.2	
6				5.9	Black, moist, medium to coarse SAND, some silt, little brick, glass, plastic fragments Black, wet, organic(wood, roots, leaves), little glass, brick fragments	9.6	PID = 0ppm
					Gray, wet, coarse to fine SAND, some medium to fine gravel		
8	39			8.3		7.2	
10					Gray, wet, medium to fine SAND Brown, wet, coarse to fine SAND and coarse to fine gravel		PID = 0ppm
12	46						
14				13.8		1.7	

Bottom of borehole at 15.0 feet.

WELL DIAGRAM

Casing Top Elev: 17.49 (ft)
Casing Type: PVC



1ft cement seal

Well casing is 0 to +2 ft above grade
1.5ft bentonite seal
6" sand pack above top of well screen

10ft of sand pack encased around well screen to bottom of well