20-26

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA I

VOLUME XIV OF XIV

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

JANUARY 1995

BLASLAND, BOUCK & LEE, INC.
6723 TOWPATH ROAD, P.O. BOX 66
SYRACUSE, NEW YORK 13214-0066

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY FOR UNKAMET BROOK AREA/USEPA AREA I

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Appendix O

Analytical Data and Location Plans Associated with Miscellaneous Site Investigations

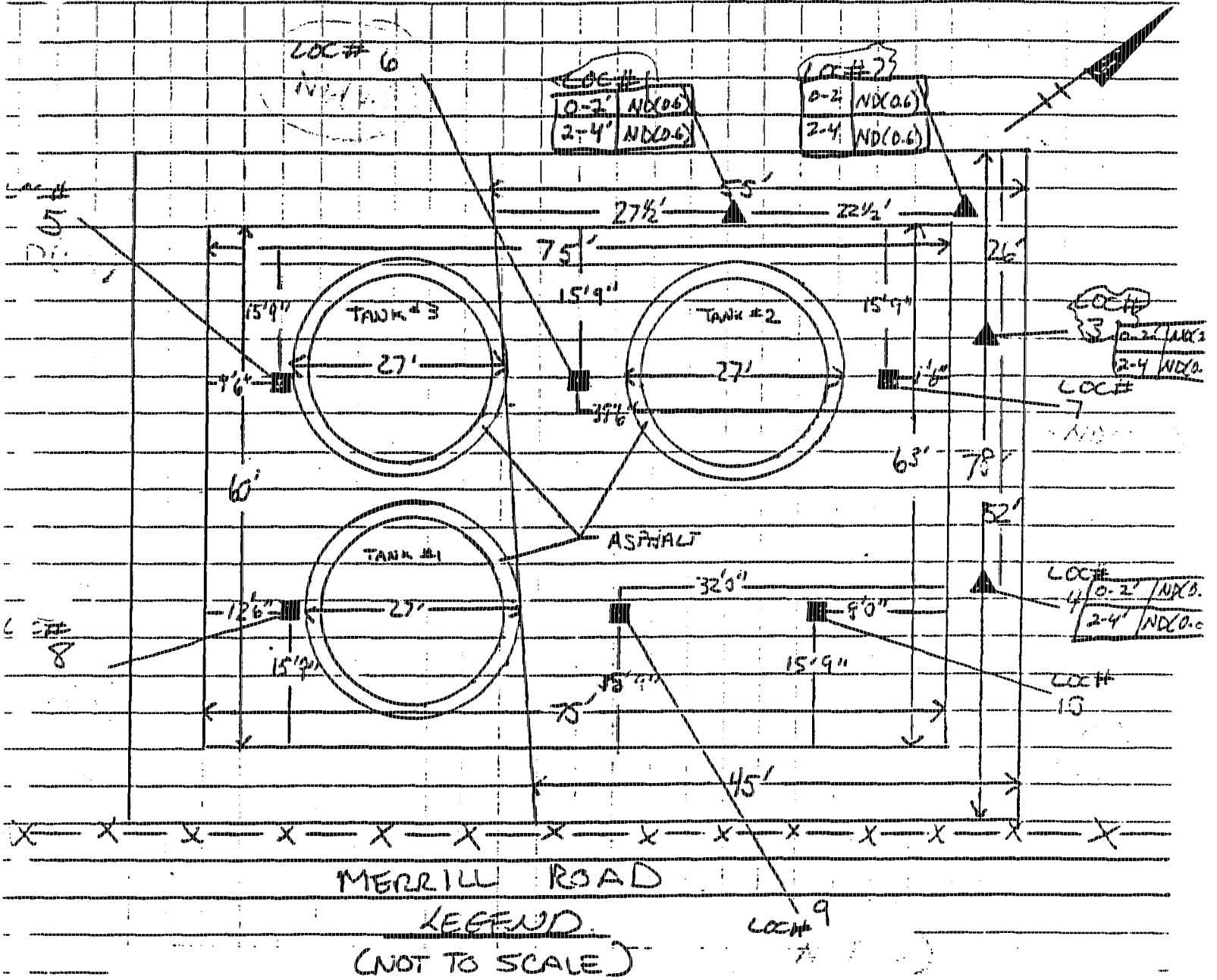
Sections M4 - M8

SECTION M4

BLASLAND, BOUCK & LEE

	PROJ. NO.	BY	DATE	SHEET
LD 0-40 FUEL TANK EXCAVATION SAMPLING	829.49.09	JJH	1-27-93	1 of 1

FIGURE #2



LEGEND
(NOT TO SCALE)

▲ – SAMPLE LOCATION (BERM)

■ – SAMPLE LOCATION (INSIDE BERM - FLAT AREA)

ATTACHMENT 1

OBG LABORATORIES, INC.

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.517

DESCRIPTION Pittsfield, MA B & B # 829.49.09

Grid 040 Fuel Tank Excavation Sampling MATRIX: Solid

Date Analyzed 2-8-93 DATE COLLECTED 1-26-93 DATE RECEIVED 1-27-93

	Sample #	PCB	PERCENT TOTAL SOLIDS
040-FTE-C1 (0-2')	R3588	<0.6	77.
040-FTE-C1 (2-4')	R3589	<0.6	79.
040-FTE-C2 (0-2')	R3590	<0.6	79.
040-FTE-C2 (2-4')	R3591	<0.6	79.
040-FTE-C3 (0-2')	R3592	<0.6	81.
040-FTE-C3 (2-4')	R3593	<0.6	80.
040-FTE-C4 (0-2')	R3594	<0.6	78.
040-FTE-C4 (2-4')	R3595	<0.6	79.

Comments:

Certification No.: NY034

Units: mg/kg dry weight (ppm)

Authorized:

Date: February 26, 1993

OBG Laboratories, Inc., *an O'Brien & Gere Company*
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

OBG LABORATORIES, INC.

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.517

DESCRIPTION Pittsfield, MA B & B # 829.49.09

Grid 040 Fuel Tank Excavation Sampling MATRIX: Solid

Date Analyzed 2-8-93 DATE COLLECTED 1-27-93 DATE RECEIVED 1-28-93

	Sample #	PCB	PERCENT TOTAL SOLIDS
040-FTE-C5 (0-1')	R3845	<0.6	82.
040-FTE-C6 (0-1')	R3846	<0.6	85.
040-FTE-C7 (0-1')	R3847	<0.6	88.
040-FTE-C8 (0-1')	R3848	<0.6	80.
040-FTE-C9 (0-1')	R3849	<0.6	84.
040-FTE-C10 (0-1')	R3850	<0.6	84.

Comments:

Certification No.: NY034

Units: mg/kg dry weight (ppm)

Authorized:

Date: February 26, 1993

OBG Laboratories, Inc., *an O'Brien & Gere Company*
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

OBG LABORATORIES, INC.

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.517

DESCRIPTION Pittsfield, MA B & B # 829.49.09

Grid 040 Fuel Tank Excavation Sampling MATRIX: Solid

DATE COLLECTED 1-27-93 DATE RECEIVED 1-28-93

	Sample #	TOTAL PETROLEUM HYDRO-CARBONS
040-FTE-C5 (0-1')	R3845	<100.
040-FTE-C6 (0-1')	R3846	190.
040-FTE-C7 (0-1')	R3847	<100.
040-FTE-C8 (0-1')	R3848	<100.
040-FTE-C9 (0-1')	R3849	<100.
040-FTE-C10 (0-1')	R3850	<100.

Comments:

Certification No.: NY034

Units: mg/kg dry weight (ppm)

Authorized:

Date: February 26, 1993

OBG Laboratories, Inc., *an O'Brien & Gere Company*
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

ATTACHMENT 2

HNU CALIBRATION

GRID 040 FUEL TANK EXCAVATION SAMPLING
829.49.09

DATE: 1-26-93
OPERATOR: Jim WASSETT

HNU SERIAL NO: A78129
eV OF PROBE: 10.2

CALIBRATION GAS: 9.80 span setting @ 57 ppm

INITIAL READING: 9.80 span setting @ 43 ppm

ADJUSTED SETTING: 7.30 span setting @ 57 ppm

NOTES:

HNU CALIBRATION

GRID 0-40 FUEL TANK EXCAVATION SAMPLING
88:49:09

DATE: 1-27-93
OPERATOR: Jim HASSELL

HNU SERIAL NO: A70129
eV OF PROBE: 10.2

CALIBRATION GAS: 9.80 span setting @ 57 ppm

INITIAL READING: 9.80 span setting @ 40 ppm

ADJUSTED SETTING: 6.90 span setting @ 57 ppm

NOTES:

ATTACHMENT 3

BLASLAND & BOUCK ENGINEERS, P.C.

HEAD SPACE SCREENING

GRID 040 FIELD TASK EXCAVATION SAMPLING
829.49.09

DATE: 1-26-93
OPERATOR: JIM HASSETT

SAMPLE LOCATION	HNU READING SAMPLE A (ppm)	HNU READING SAMPLE B (ppm)	HNU READING AVERAGE OF SAMPLE A&B
1 (0-2')	0.4	0.4	0.4
1 (2-4')	0.2	0.2	0.2
2 (0-2')	0.0	0.0	0.0
2 (2-4')	0.0	0.0	0.0
3 (0-2')	0.5	0.7	0.6
3 (2-4')	0.4	0.6	0.5
4 (0-2')	0.2	0.6	0.4
4 (2-4')	0.2	0.4	0.3

BLASLAND & BOUCK ENGINEERS, P.C.

HEAD SPACE SCREENING

GRID 040 FUEL TANK EXCAVATION SAMPLING
829.49.09

DATE: 1-29-93
OPERATOR: Jim NASSETT

SAMPLE LOCATION	HNU READING SAMPLE A (ppm)	HNU READING SAMPLE B (ppm)	HNU READING AVERAGE OF SAMPLE A&B
5 (0-1')	0.2	0.2	0.2
6 (0-1')	0.0	0.0	0.0
7 (0-1')	0.0	0.0	0.0
8 (0-1')	0.0	0.0	0.0
9 (0-1')	0.2	0.2	0.2
10 (0-1')	0.0	0.0	0.0

BLASLAND & BOUCK ENGINEERS, P.C.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

PLEASE SEND LAB REPORT TO:
BRUCE EULIAN
BLASLAND & BOUCK ENGINEERS
C/O GE POWER TRANSFORMER DEPT.
MAILCODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201
CC: ROBERT RHOADES
BLASLAND & BOUCK ENGINEERS
6723 TOWPATH RD.
SYRACUSE, NY 13214

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.191.01

PROJECT NAME: Bld 040 Fuel Tank Excavation Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCB's Method 8080					REMARKS
040-FTE-C1	(0-2')	1-26-93	1200		X	X			1	X					
040-FTE-C1	(2-4')	1-26-93	1230		X	X			1	X					** Normal Turnaround **
040-FTE-C2	(0-2')	1-26-93	1300		X	X			1	X					
040-FTE-C2	(2-4')	1-26-93	1330		X	X			1	X					
040-FTE-C3	(0-2')	1-26-93	1400		X	X			1	X					
040-FTE-C3	(2-4')	1-26-93	1430		X	X			1	X					
040-FTE-C4	(0-2')	1-26-93	1500		X	X			1	X					
040-FTE-C4	(2-4')	1-26-93	1530		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	1-26-93 1200 to 1530		[signature]	1-26-93 1700	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
				Sent to O.B.G. Syracuse Fed Ex # [illegible]

BLASLAND & BOUCK ENGINEERS, P.C.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

PLEASE SEND LAB REPORT TO:
IRUC IAN
BLASLAND & BOUCK ENGINEERS
C/O GE POWER TRANSFORMER DEPT.
MAILCODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201
CC: ROBERT RHOADES
BLASLAND & BOUCK ENGINEERS
6723 TOWPATH RD.
SYRACUSE, NY 13214

CHAIN OF CUSTODY RECORD

PROJECT NO.: 829,49,09
PROJECT NAME: GRID 040 FUEL TANK EXCAVATION SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (SOIL)	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PAHs METHOD 8310	TPH METHOD 418.1				REMARKS
040-FTE-C5	(0-1')	1-27-93	1130		X	X			1	X	X				
040-FTE-C6	(0-1')	1-27-93	1200		X	X			1	X	X				** NORTH TRANSMISSION **
040-FTE-C7	(0-1')	1-27-93	1230		X	X			1	X	X				
040-FTE-C8	(0-1')	1-27-93	1300		X	X			1	X	X				
040-FTE-C9	(0-1')	1-27-93	1330		X	X			1	X	X				
040-FTE-C10	(0-1')	1-27-93	1400		X	X			1	X	X				

SAMPLED BY: (SIGNATURE) [signature]	DATE/TIME 1-27-93 1130 to 1400	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE) [signature]	DATE/TIME 1-27-93 1500 — RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME — RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS: SENT TO OBG SYRACUSE FED EX # 4821951116

SECTION M5

N.5

BLASLAND & BOUCK ENGINEERS, P.C.
(REQUEST FOR SAMPLING)

TO: Files | DATE: 4-7-93

FROM: Bruce Eullar | FILE NO: 201.11.17

RE: New England Telephone Excavation
(Plastics Ave.)

INITIATOR: Aimee Cole (GE)

DATE: 4-1-93

LOCATION: Plastics Ave.

CONTACT PERSON: Aimee Cole (GE) | EXT: 2504

ITEM DESCRIPTION:

1 Soil

PURPOSE: To collect pre-excavation soil samples for GE to determine the proper disposal method of the soil that will be excavated during the New England Telephone Excavation located at Plastics Ave.

NOTES: The following sampling program was implemented at the request of Aimee Cole (GE): (see attached letter dated 4-1-93)

1.) Two (2) pre-excavation field composite soil samples (0-18") and (18-36") for the New England Telephone Excavation located at Plastics Ave. are to be sampled and analyzed for PCB's using Method 8080.

2.) Both pre-excavation field composite soil samples are to be screened for Volatile Organic Compounds with a calibrated PID meter.

3.) If the PID readings on either of the two (2) field composite soil samples are greater than or equal to 10 PPM one (1) field composite sample from both soil samples (0-36") is to be sampled and analyzed for VOC's using Method 8240 and 1,2,4 Trichlorobenzene using Method 8120.

4.) GE requests the PCB samples collected be analyzed at the OBG Laboratory in Pittsfield, MA. and the VOC and 1,2,4 Trichlorobenzene sample be analyzed at the OBG Laboratory in Syracuse, NY.

jjh

April 1, 1993

SAMPLE REQUEST

To: B. Eulian - B & B

From: A. Cole - GEC

RE: Pre-Excavation Sampling at grid I43

Tom Bednarz has requested pre-excavation sampling done on the south side of Plastics Ave. The excavation will be about 10 x 15 x 3 feet deep and will require sampling for PCB and PID at 1.5 feet and 3 feet of depth. If PID readings are greater than 10 then a single sample for VOC's and 1,2,4, Trichlorobenzene must be taken. If the PID indicates further sampling then VOC samples may be sent to O' Brien and Gere in Syracuse. PCB samples may be analyzed at O B & G locally. This is not an area 2 excavation.

Please contact Tom Bednarz at xt. 3940, who will show you the exact location of the proposed excavation. This excavation is being done for telephone installations and is in an area riddled with other underground lines. Mr. Bednarz has the exact location of other lines in the area.

BLASLAND AND BOUCK ENGINEERS P.C.

SAMPLING PROGRAM FIELD SUMMARY

To: Files
From: Bruce Ellian
Re: New England Telephone Excavation
(Plastics Ave.)

Date: 4-7-93
File No: 201.16.17
cc: Grant Bowman (BE)
Tor Bednarz (BE)
Robert Rhoades (B&B)

The following is a summary of the pre-excavation sampling program conducted on 4-6-93 on the soil that will be excavated during the New England Telephone Excavation located at Plastics Ave.

At the request of Steve Cole (BE), the following sampling program was implemented:

One (1) field composite sample (0-18") was collected and analyzed for PCB's using Method 8080

One (1) field composite sample (18-36") was collected and analyzed for PCB's using Method 8080

Note: The field composite soil samples were collected using a split-spoon sampler.

Both pre-excavation soil samples were screened with a calibrated PID meter and the (18-36") field composite sample was found to be >10 PPM, therefore one (1) field composite sample from both soil samples (0-36") was sampled and analyzed for VOC's using Method 8240 and 1,2,4 Trichlorobenzene using Method 8120.

A summary table of the sampling program has been included (Table 1) along with drawings showing the site location (Figure 1) and sample location (Figure 2). Preliminary analytical reports provided by CBC Laboratories (Attachment 1) have also been included. In addition, calibration forms (Attachment 2) and the soil screening results (Attachment 3) have also been provided.

New England Telephone Excavation
(Plastelo Ave.)

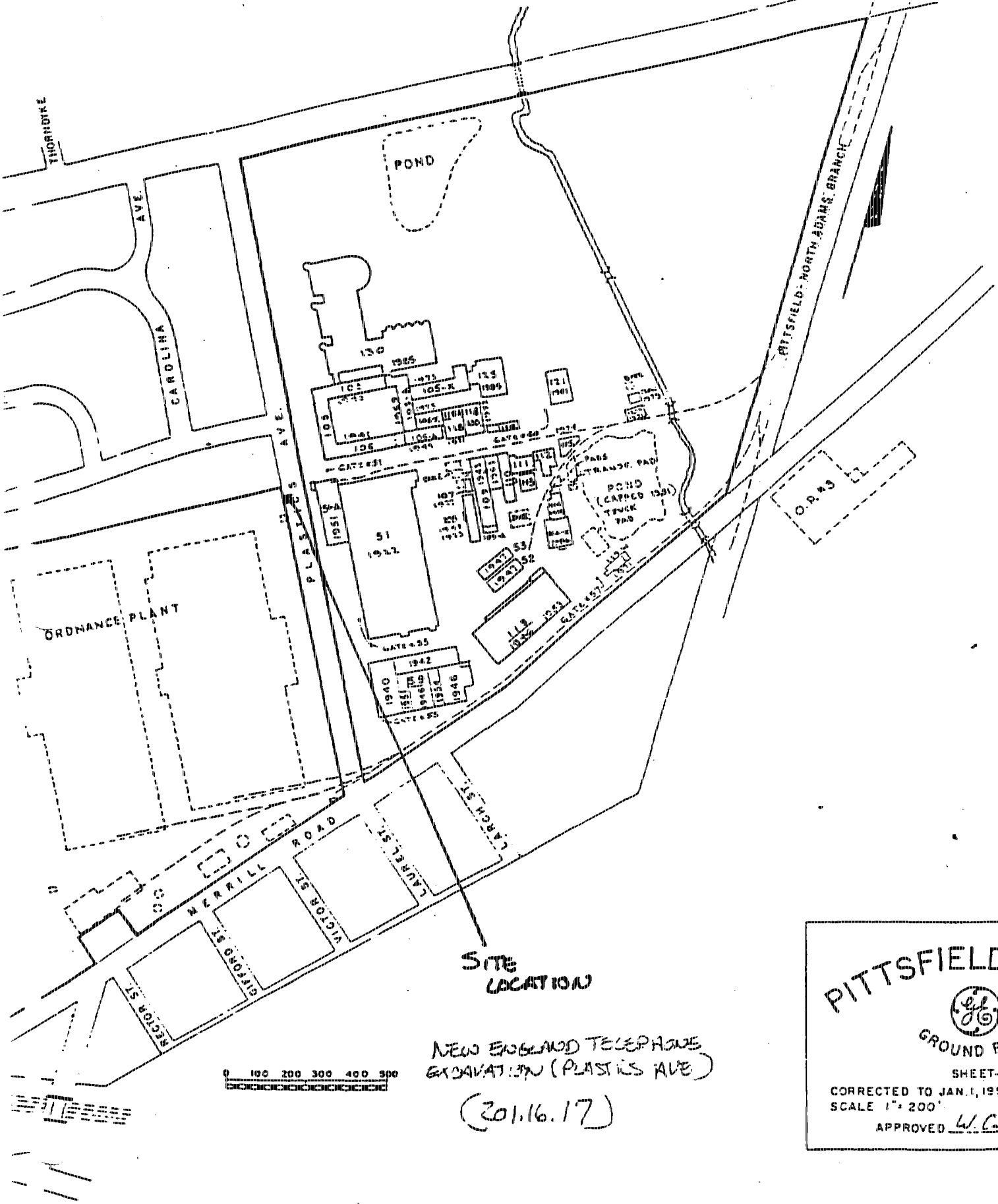
201.15.17

Table 1

L ID	SAMPLE DATE	TOTAL PCB PPM METHOD 8080	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
STE-01 (0-18")	04-06-93	<1.0	1	SOIL	FIELD-COMPOSITE	(0-18")	1
STE-01 (18-36")	04-06-93	<1.0	1	SOIL	FIELD-COMPOSITE	(18-36")	1

S ID	SAMPLE DATE	VOC's METHOD 8240	1,2,4 TRICHLEROBENZENE METHOD 8120	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
ST [illegible] (0-18")	04-06-93	SEE C&S LAB REPORT	SEE C&S LAB REPORT	1	SOIL	FIELD-COMPOSITE	(0-18")	1

FIGURE 1



NEW ENGLAND TELEPHONE EXCAVATION (PLASTICS AVE)

(20.16.17)

PITTSFIELD W

GROUND PLAN

SHEET-2

CORRECTED TO JAN. 1, 1991

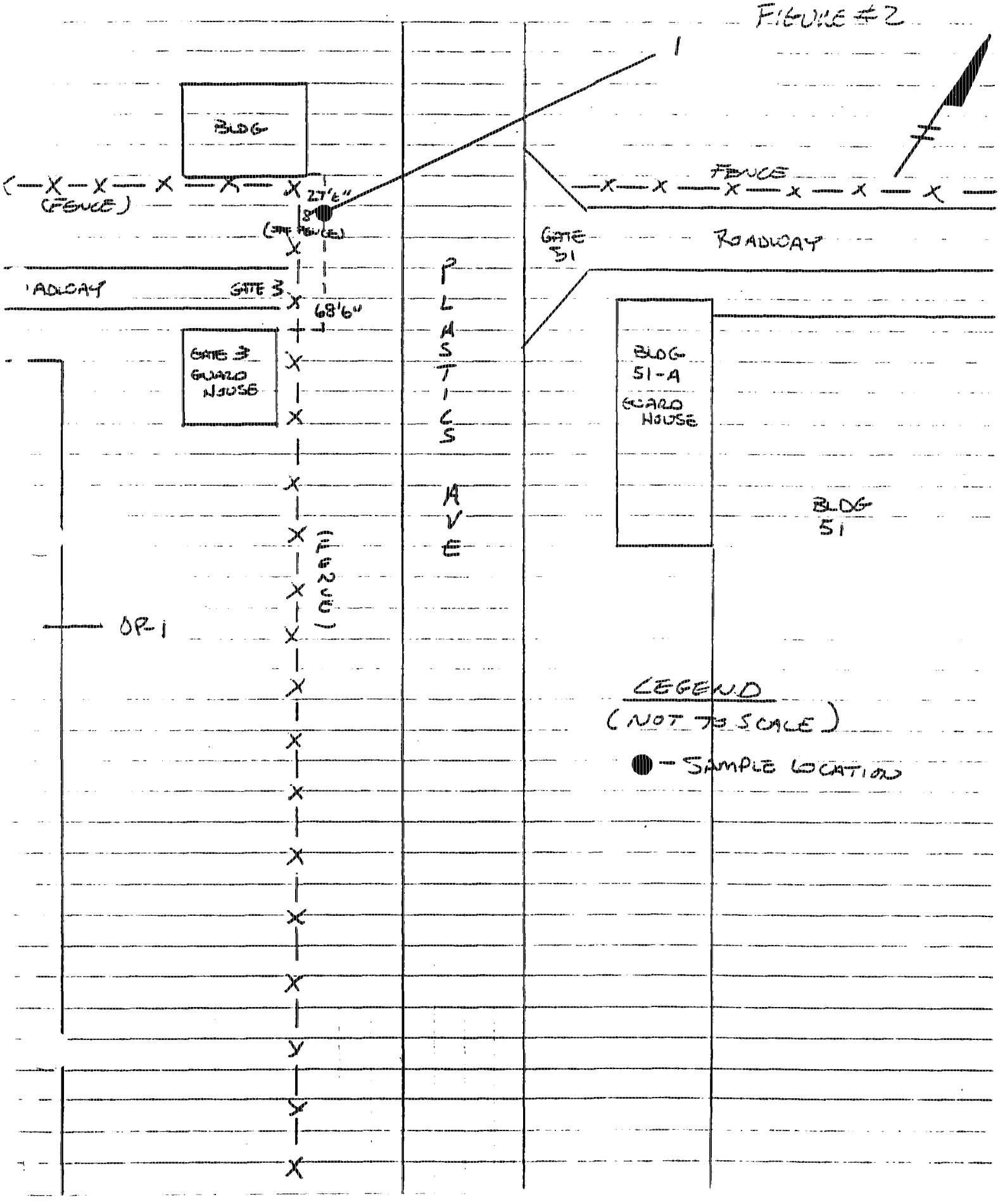
SCALE 1" = 200' DWG

APPROVED W. Carter

BLASLAND, BOUCK & LEE

PROJECT	PROJ. NO.	BY	DATE	SHEET
NEW ENGLAND TELEPHONE EXCAVATION (PLASTICS AVE)	201.16.17	JJH	4-6-93	1 of 1

FIGURE #2



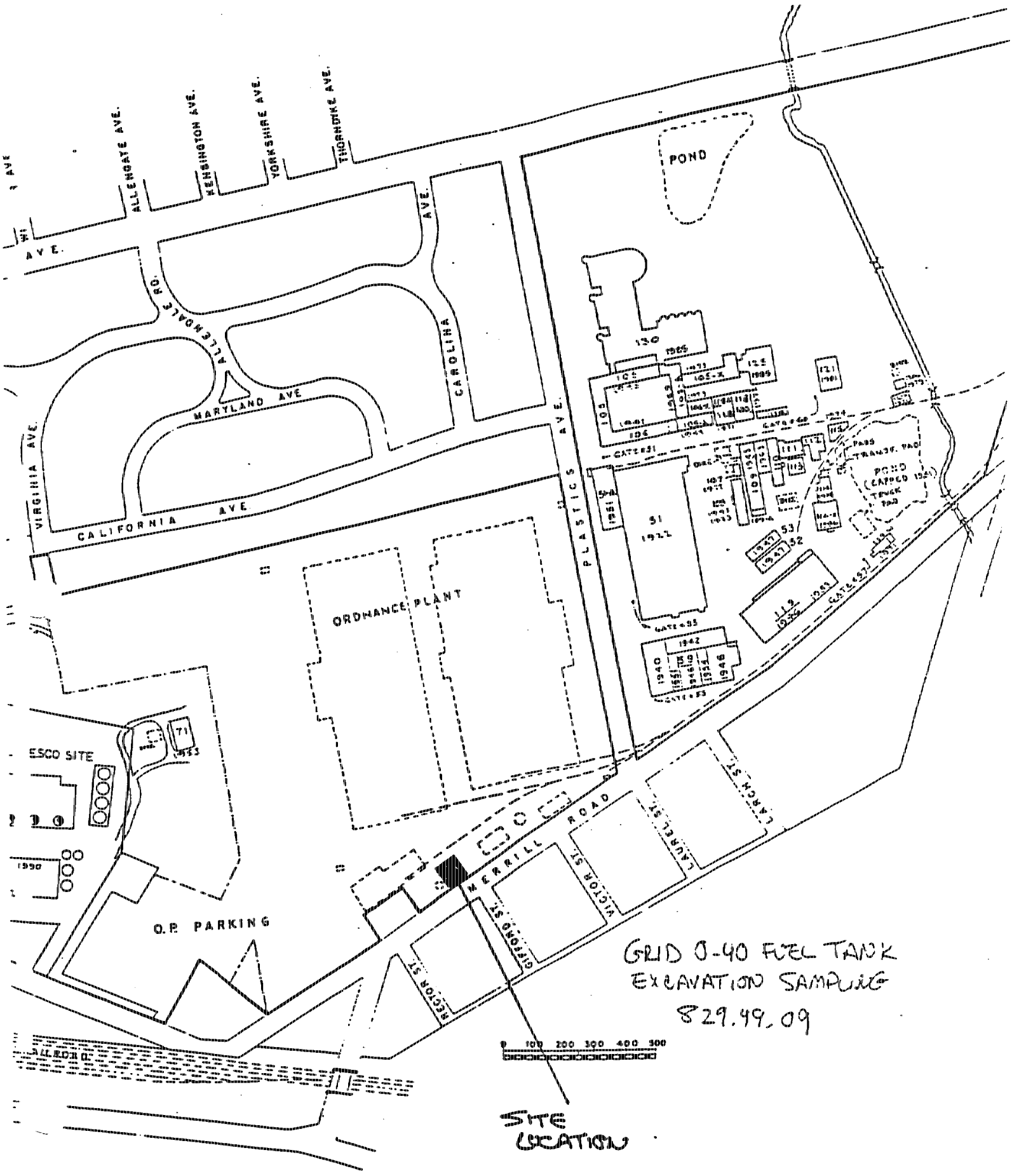
Grid D-40 Fuel Tank Excavation Sampling

829.49.09

Table 1

SB	D	SAMPLE DATE	TOTAL PCB PPM	TOTAL TPH PPM	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
0	TE-C1 (0-2')	1-26-93	<0.6	NOT REQUESTED	1	SOIL	DISCRETE-GRAB	0-2'	2
0	TE-C1 (2-4')	1-26-93	<0.6	NOT REQUESTED	1	SOIL	DISCRETE-GRAB	2-4'	2
[illegible]	TE-C2 (0-2')	1-26-93	<0.6	NOT REQUESTED	2	SOIL	DISCRETE-GRAB	0-2'	2
[illegible]	TE-C2 (2-4')	1-26-93	<0.6	NOT REQUESTED	2	SOIL	DISCRETE-GRAB	2-4'	2
[illegible]	TE-C3 (0-2')	1-26-93	<0.6	NOT REQUESTED	3	SOIL	DISCRETE-GRAB	0-2'	2
[illegible]	TE-C3 (2-4')	1-26-93	<0.6	NOT REQUESTED	3	SOIL	DISCRETE-GRAB	2-4'	2
[illegible]	[illegible] (0-2')	1-26-93	<0.6	NOT REQUESTED	4	SOIL	DISCRETE-GRAB	0-2'	2
[illegible]	TE-C4 (2-4')	1-26-93	<0.6	NOT REQUESTED	4	SOIL	DISCRETE-GRAB	2-4'	2
[illegible]	E-C5 (0-1')	1-27-93	<0.6	<100.0	5	SOIL	DISCRETE-GRAB	0-1'	2
[illegible]	E-C6 (0-1')	1-27-93	<0.6	190.0	6	SOIL	DISCRETE-GRAB	0-1'	2
[illegible]	TE-C7 (0-1')	1-27-93	<0.6	<100.0	7	SOIL	DISCRETE-GRAB	0-1'	2
[illegible]	E-C8 (0-1')	1-27-93	<0.6	<100.0	8	SOIL	DISCRETE-GRAB	0-1'	2
[illegible]	[illegible]-C9 (0-1')	1-27-93	<0.6	<100.0	9	SOIL	DISCRETE-GRAB	0-1'	2
[illegible]	TE-C10 (0-1')	1-27-93	<0.6	<100.0	10	SOIL	DISCRETE-GRAB	0-1'	2

FIGURE #1



GRID O-40 FUEL TANK EXCAVATION SAMPLING

5.29.99.09

BLASLAND AND BOUCK ENGINEERS P.C.

SAMPLING PROGRAM FIELD SUMMARY

To: Files
om: Bruce Eulian
ne: Grid D-40 Fuel Tank Excavation Sampling

Date: 1-27-93
File No: 829.49.09
cc: Grant Bowman (SE)
Mike Wiater (SE)
Robert Rhoades (B&B)

The following is a summary of the pre-excavation sampling program conducted on 1-26-93 and 1-27-93 on the soil that will excavated when the Grid D-40 Fuel Tanks are removed.

At the request of Mike Wiater (SE), the following sampling program was implemented:

(On the berm) - Eight (8) discrete-grab samples were collected and analyzed for PCB's (Method 8080)

(side the berm) - Six (6) discrete-grab samples were collected and analyzed for PCB's (Method 8080) and TPH (Method 418.1)

The pre-excavation soil samples were screened with a calibrated PID meter and found to be <10 PPM, therefore the soil did have to be sampled for VOC's and analyzed by Method 8240 or 1,2,4 Trichlorobenzene and analyzed by Method 8120.

A summary table of the sampling program has been included (Table 1) along with drawings showing the site location (Figure 1) and sample locations (Figure 2). Analytical reports provided by CRG Laboratories (Attachment 1) have also been included. In addition, calibration forms (Attachment 2) and the soil screening results (Attachment 3) have also been provided.

(M4)

BLASLAND & BOUCK ENGINEERS, P.C.
(REQUEST FOR SAMPLING)

TO: Files DATE: 1-27-93

FROM: Bruce Eulian FILE NO: 829.49.09

RE: Grid O-40 Fuel Tank Excavation Sampling

INITIATOR: Mike Wiater (GE)

DATE: 12-16-92

LOCATION: Grid O-40

CONTACT PERSON: Mike Wiater (GE) EXT: 2891

ITEM DESCRIPTION:

Soil

PURPOSE: To collect pre-excavation soil samples for GE to determine the proper disposal method of the soil that will be excavated when the Grid O-40 Fuel Tanks are removed.

SITES: The following sampling program was implemented at the request of Mike Wiater (GE): (see attached letter dated 12-16-92)

1) Pre-excavation soil samples (on the berm) for the Grid O-40 Fuel Tanks removal are to be sampled for PCB's and analyzed by Method 8080.

2) Pre-excavation soil samples (inside of the berm) for the Grid O-40 Fuel Tanks removal are to be sampled for PCB's and analyzed by Method 8080 and TPH (Total Petroleum Hydrocarbons) and analyzed by Method 418.1

3) Pre-excavation soil samples are to be screened for Volatile Organic Compounds with a calibrated PID meter.

4) If the PID readings on the soil are greater than or equal to 10 PPM the soil is to be sampled for VOC's and analyzed by Method 8240 and 1,2,4 Trichlorobenzene using Method 8120.

GE requests the samples collected be analyzed by OBG Laboratories in Syracuse, NY.

jih

ATTACHMENT 1

ATTACHMENT 2

OBG LABORATORIES, INC.

PRELIMINARY
APR 7 1993

Laboratory Report

CLIENT BLASLAND & BOUCK ENGINEERS, P.C. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield Job No. 201-16-17

New England Telephone Excavation (Plastics Ave)

Date Analyzed 4/6/93 DATE COLLECTED See Below DATE RECEIVED 4/6/93

Lab ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
NETE-C1 (6-18")	4-6-93	4-6-93	(.182) <1	87%	<1	Soil	A
NETE-C1 (18-36")	↓	↓	(.149) <1	85%	<1	↓	↓
Reagent Blank 040693-1:					<1		
Reference Sample 040693-1:					2.4/3=80%		
Matrix Spike NETE-C1 (6-18"):					1.8/3=60%		
Matrix Spike Duplicate:					1.9/3=63%		
Precision:				1.8 vs 1.9 =	5.4% RPD		

Comments:

Certification No.:

Units: mg/Kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

Volatile Organics
Method 8240

PRELIMINARY

CLIENT Blasland & Bouck Engineers P.C. JOB NO. 2887.026.517

DESCRIPTION New England Telephone Excavation (Plaistow)

Matrix: soil

DATE COLLECTED 4/6/93 DATE RECEIVED 4/7/93 DATE ANALYZED see page 2 4/13/93

DESCRIPTION:	NETE-C1 (0-36")	QC Trip Blank
SAMPLE NO.:	R9085	R9086
Chloromethane	<11	<10
Bromomethane		
Vinyl chloride		
Chloroethane		
Methylene chloride	<6	<5
Acetone	18	<10
Carbon disulfide	<6	<5
1,1-Dichloroethene		
1,1-Dichloroethane		
1,2-Dichloroethene (total)		
Chloroform		
1,2-Dichloroethane		
2-Butanone	<11	<10
1,1,1-Trichloroethane	<6	<5
Carbon tetrachloride	<6	<5
Vinyl acetate	<11	<10
Bromodichloromethane	<6	<5
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
Trichloroethene		
Dibromochloromethane		
1,1,2-Trichloroethane		
Benzene		

Authorized: _____

Date: _____

OBG Laboratories, Inc., an O'Brien & Gere Limited Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

LABORATORIES, INC.

Volatile Organics
PRELIMINARY Method 8240

CLIENT Blasland & Bouck Engineers P.C. JOB NO. 287026.517

DESCRIPTION New England Telephone Excavation (Plastic Av)

MATRIX: soil

DATE COLLECTED 4/6/93 DATE RECEIVED 4/7/93 DATE ANALYZED 4/12/93

DESCRIPTION:	NJETE-C1 (0-36")	QC Trip Blank *
SAMPLE NO.:	R9055	R9056
trans-1,3-Dichloropropene	<6	<5
Bromoform	<6	<5
4-Methyl-2-pentanone	<11	<10
2-Hexanone	<11	<10
Tetrachloroethene	<6	<5
1,1,2,2-Tetrachloroethane		
Toluene		
Chlorobenzene		
Ethylbenzene		
Styrene		
Xylene (total)		
Date Analyzed	4/12/93	4/12/93

Comments: Elevated detection limits due to Matrix interferences.

Values flagged with a "B" indicate the analyte was detected in the laboratory blank. The blank exhibited _____ µg/ _____ of methylene chloride and _____ µg/ _____ of acetone.

Methodology: EPA Target Compound List By 8240, SW-846 November 1986, 3rd Edition

Certification No.: 10155

Units: ug/kg dry weight

* ug/L

Authorized: _____

Date: _____

Laboratories, Inc., an O'Brien & Gere Limited Company
6000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

HNU CALIBRATION

NEW ENGLAND TELEPHONE
EXCAVATION (PLASTICS. AVE)
(20616.17)

DATE: 4-6-93
OPERATOR: JIM HASSETT

HNU SERIAL NO: A70129
eV OF PROBE: 10.2

CALIBRATION GAS: 9.8 span setting @ 57 ppm

INITIAL READING: 9.8 span setting @ 50 ppm

ADJUSTED SETTING: 8.6 span setting @ 57 ppm

NOTES:

ATTACHMENT 3

BLASLAND & BOUCK ENGINEERS, P.C.

HEAD SPACE SCREENING

NEW ENGLAND TELEPHONE EXCAVATION

(PLASTICS AVG)

(C01.16.17)

DATE: 4-6-93

OPERATOR: Jim Hassett

SAMPLE LOCATION	HNU READING SAMPLE A (ppm)	HNU READING SAMPLE B (ppm)	HNU READING AVERAGE OF SAMPLE A&B
1 (0-18")	5.9	8.4	6.7
1 (18-36")	18.4	26.0	22.2

BLASLAND & BOUCK ENGINEERS, P.C.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.16.17	NEW ENGLAND TELEPHONE EXCAVATION (PLASTICS AVE)

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	TCL + METHOD 8010					REMARKS
NETE-C1 (0-18")		4-6-93	1300		X	X			1	X					
NETE-C1 (18-36")		4-6-93	1030		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	4-6-93 1000 & 1030			4-6-93 1140 hr	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
			4/6/93 1140	DELIVERED TO PITTSFIELD OBY LAB	

BLASLAND & BOUCK ENGINEERS, P.C.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

EAS' D LAE ORT
BRUCE EULIAN
BLASLAND & BOUCK ENGINEERS
C/O GE POWER TRANSFORMER DEPT.
MAILCODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201
CC: ROBERT RHOADES
BLASLAND & BOUCK ENGINEERS
6723 TOWPATH RD.
SYRACUSE, NY 13214

CHAIN OF CUSTODY RECORD

PROJECT NO.: 20.16.17
PROJECT NAME: NEW ENGLAND TELEPHONE EXCAVATION (PLASTICS AVE)

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID/SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	VOCS METHOD 8240	1,1,1 TRICHLORO-BENZENE METHOD 8120				REMARKS
NETE-C1 (0-36")		4-6-93	1100		X	X			1	X	X				
TRIP BLANK		4-6-93	—		X			X	1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	4-6-93 1100		[signature]	4-6-93 1110	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
				SENT TO SYRACUSE OBG LAB FED EX # 6043529035

SECTION M6

(M6

MARTIN MARIETTA

Subsurface Environmental Investigation "Alternate Steam Supply, OP-3" Pittsfield, Massachusetts

7 July 1993

Prepared For:

Martin Marietta
Aerospace Operations Division
100 Plastics Avenue
Pittsfield, Massachusetts 01201

TABLE OF CONTENTS

1.0 INTRODUCTION

ERM-Northeast (ERM) has been retained by Martin Marietta to complete a subsurface environmental evaluation for the "Alternate Steam Supply, OP-3" project in Pittsfield, Massachusetts. The intent of the study is to determine the quality of the subsurface soils beneath proposed construction areas, consistent with Martin Marietta's site specific standard operating procedural analytical requirements. In addition, general subsurface conditions are needed for future associated construction activities.

The design architect, Rist-Frost Associates (RFA), has proposed 44 stanchions to support an overhead steam line pipe rack. Locations of the proposed stanchions (L-1 through L-44) and the pipe line location are shown on Plate 1. Individual foundations are proposed at each stanchion location. Total length of the proposed steam line between the 44 stanchions is approximately 1,520 feet.

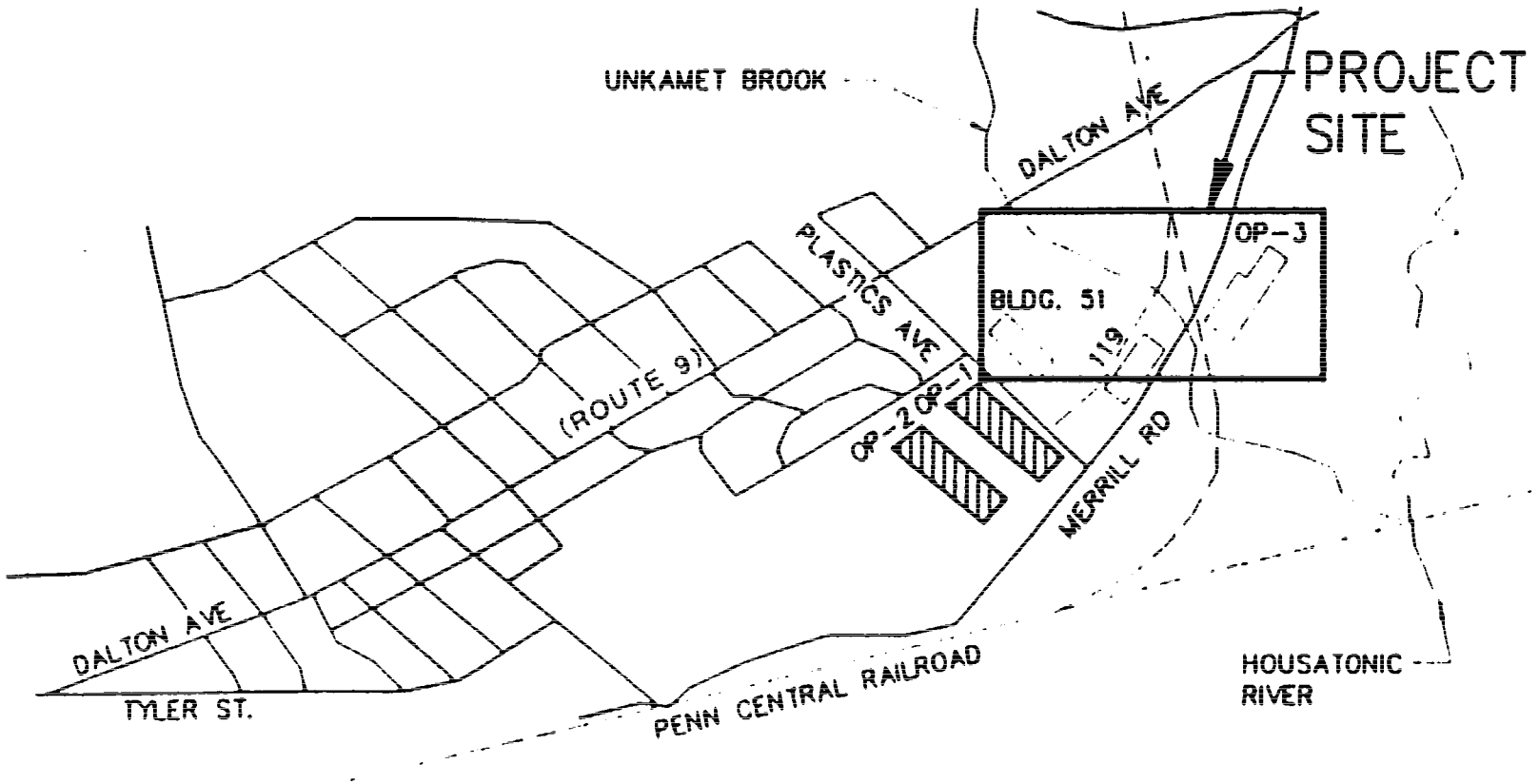
All environmental investigative work was completed by ERM between 12 April 1993 and 18 May 1993 in general accordance with the "Work Specification - Alternate Steam Supply - OP-3 - Pre-excavation Sampling Program," dated February 4, 1993 (RFA #92-1727 Rev. 01). Modifications, additions or deviations from the work specifications were made only with the approval of Martin Marietta and RFA. In addition, all field work was performed in general accordance with the site-specific Massachusetts Contingency Health and Safety Plan, previously prepared for the General Electric Company by Blasland and Bouck Engineers, P.C., dated November 1990.

The site is located in the vicinity of Merrill Road and Plastics Avenue in Pittsfield, Massachusetts. The site consists of a combination of parcels owned by either the General Electric Company - Plastics Division or by the United States Navy, operated by Martin Marietta.

Investigative work completed during the course of this project was completed on both GE-Plastics property and also on U.S. Naval/Martin Marietta property. Figure 2-1 shows the location of the portion of the site where this project is being completed. The GE-Plastics portion of the site consists of an operating chemical industrial facility. The majority of this portion of the project site is developed with paved entrances and roads. A former chemical stabilization pond exists along the proposed line of construction on the eastern side of the GE Plastics property. The stabilization pond has reportedly been excavated, lined, and backfilled with new soil. This area is now grass covered with a stable ground surface.

The southern half of the proposed steam line runs parallel along side of Merrill Road, beneath Merrill road and onto U.S. Naval property. This portion of the line consists of relatively flat open grades with minor landscaped slopes, several abandoned railroad track spurs, fences, utility poles and a public road. Minor vegetation including small trees have overgrown portions of the railroad spurs.

Ground surface elevations at the project site range from approximately 987 feet to 998 feet based on RFA drawings provided to ERM. Elevations along the proposed line of construction range between approximately 989 feet and 995 feet. In general, slopes are less than one foot vertical to 20 feet horizontal. Portions of both the GE-Plastics property and the Martin Marietta property lie within the 100-year floodplain.



SITE LOCATION MAP
STEAM LINE INVESTIGATION
PITTSFIELD, MASSACHUSETTS

PREPARED FOR
MARTIN MARIETTA

ERM-Northeast

SCALE: NTS
DATE: 8/93
FIGURE: 2-1

3.0 *FIELD INVESTIGATION*

The field investigation consisted of forty-four soil borings. Prior to drilling, boring locations were field located using a one-hundred foot fiberglass measuring tape. Locations was measured from permanent structures or features based on RFA drawings provided to ERM by Martin Marietta. The surface elevation of each boring location was estimated based on elevation points and topographic contour lines shown on RFA's drawing numbers M-3 through M-7. Approximated elevations are recorded on the top of each boring log shown in Appendix A.

The originally proposed depths of the soil borings ranged between eight and sixteen feet. Borings L-2, L-4, L-7, L-9, L-12, L-14, L-16, L-21, L-23, L-29, L-34, L-36, L-40 and L-43 were drilled to a minimum of sixteen feet. All remaining borings with the exception of L-38 and L-39 were drilled to eight feet; L-38 and L-39 were extended to twelve feet. Four of the borings, L-14, L-21, L-36 and L-40 were extended during the course of the project to a depth of 41´, 36´, 41´, and 46´ respectively to obtain information necessary for geotechnical design work not available with the originally planned boring depths. Only limited environmental information was collected from these four borings.

3.1 *DRILLING*

Drilling work was performed by Aquifer Drilling and Testing of Albany, New York under the coordination and observation of an on-site ERM geologist. A truck mounted CME-75 drilling rig equipped with hollow stem augers was used to accomplish the majority of the work. Where accessibility was difficult, a tri-pod drilling rig was used.

Shown on Plate 1 are the originally proposed soil boring locations in addition to the field locations where the borings were actually completed. Field obstructions, including underground and overhead utilities, buildings,

etc., made it necessary to move many of the proposed boring locations. In most cases, boring locations were moved five feet or less from their designed locations.

Hollow stem augers with a minimum inside diameter of 3-¼ inches were used to advance the boreholes at locations accessible to the truck mounted rig. Soil samples were collected continuously by driving two-foot long, two-inch outside diameter split spoon samplers, beginning at grade. Below the originally proposed depth of 16 feet at locations L-14, L-21, L-36 and L-40, the frequency of split spoon sampling was reduced to five-foot intervals. The split spoons were driven in advance of the augers to ensure relatively undisturbed and representative soil samples. Where the existing grade was covered with asphalt or concrete, the borehole was first augered to a depth of one to one and one-half feet. Sampling was started at the shallowest depth possible.

At those locations where a tripod rig was used (L-38, L-39 and L-44), the boreholes were advanced by driving continuous split spoon samplers in sequence. Larger diameter three-inch split spoons were driven behind the standard two-inch split spoons to open the boreholes as the sampling progressed in each borehole.

3.2 SAMPLING

Split-spoon sampling was performed in general accordance with ASTM D-1586, "Standard Method for Penetration Test and Split-Barrel Sampling of Soils". At three boring locations (L-12 (10´-12.5´). L-16 (10´-12.5´) and L-36 (10´-12.5´)), undisturbed Shelby-tube samples were collected for potential consolidation testing on fine grained cohesive soil types. Shelby-tube samples were collected in general accordance with ASTM D1587-74, "Standard Method for Thin-Walled Tube Sampling of Soils".

Split-spoon samples upon retrieval were immediately opened and scanned with a Photovac Microtip Photoionization Detector (PID) for the presence of volatile organic compounds (VOC). If PID readings exceeded 10 ppm on any split-spoon sample screening, a VOC soil sample was collected from the split spoon. Upon finishing each borehole, the VOC sample with the highest PID reading was selected for laboratory analysis. Remaining VOC samples were discarded appropriately.

After VOC scanning and sampling, a portion of each split spoon sample was placed into a clean stainless steel bowl, for compositing and subsequent PCB analysis. The soils in the bowl were then composited by thoroughly mixing the soils with a stainless steel trowel and transferring the soils into a clean laboratory supplied jar.

Immediately upon collection, each sample collected was placed on ice in a cooler for storage and transport to the laboratory. Samples were hand-delivered to the laboratory by ERM within 48 hours of collection under chain-of-custody documentation.

All split-spoon samples were logged by ERM's geologist using the Unified Soil Classification System (USCS). Descriptions including grain size, color, moisture content, relative density and other pertinent observations were recorded on the appropriate boring log. Boring logs are presented in Appendix I. Representative samples of each spilt spoon were jarred, labelled and set aside for future reference. Samples will be surrendered to Martin Marietta at the completion of the project.

To reduce the risk of cross contamination between drilling locations, all drilling equipment, including augers, rods and tools, was pressure washed before use and in between uses. Pressure washing operations were carried out at a Martin Marietta on-site washing facility capable of handling contaminated wastewater. Spilt spoon samplers, bowls and spatulas were cleaned by hand between boreholes using the following procedures:

1. Manual scrub with alconox and tap water;
2. Tap water rinse;
3. Methanol rinse;
4. Hexane rinse; and
5. Distilled water rinse.

If the re-use of a piece of equipment was necessary at the same drilling location, the first, second and last decontamination steps above were repeated. Full decontamination was repeated between uses if VOCs were detected in the previous sampling interval.

Upon completion of each boring, cuttings generated during the drilling process were composited and secured in drums supplied by Martin Marietta. Each drum was labeled appropriately with the boring locations from which the cuttings were generated. Upon removal of the augers, open portions of each borehole were backfilled with clean bagged silica sand to within two feet of the existing grade. A bentonite plug was then installed to seal the surface of the borehole. In the four deep borings (L-14, L-21, L-36 and L-40) bentonite plugs were placed at deeper intervals in the borehole during backfill operations to help reduce the possibility of vertical movement of any contaminants encountered.

4.0 RESULTS

4.1 FIELD SCREENING

Table 4-1 is a summary of the PID field screenings taken on the split-spoon samples. Eight of the split spoon samples retrieved showed PID readings greater than 10 ppm:

Boring (depth)	PID Result (ppm)
L-1 (6'-8')	16.2
L-16 (8'-10')	163
L-21 (14'-16')	50.3
L-22 (0'-2')	11.5
L-23 (6'-8')	93.8
L-24 (6'-8')	52.8
L-29 (10'-12')	14.6
L-39 (6'-8')	14.3

The majority of the PID readings were recorded along the western portions of the former chemical stabilization pond. Detections at L-1 and L-39 appear to be isolated areas of VOC contamination.

4.2 ANALYTICAL

A total of 65 soil samples were submitted to Adirondack Environmental Services of Albany, New York for laboratory analysis. 53 of the samples were analyzed for Aroclor-specific PCBs by EPA Method 8080. The remaining 8 soil samples were analyzed for VOCs by EPA Method 8240. The VOC samples were additionally analyzed for 1,2,4-Trichlorobenzene by EPA Method 8021.

TABLE 4 - 1
MARTIN MARIETTA - PITTSFIELD, MA
STEAM LINE ENVIRONMENTAL INVESTIGATION
PID FIELD SCREENING RESULTS

Depth	Boring Number																					
	L-1	L-2	L-3	L-3A	L-4	L-5	L-6	L-7	L-8	L-9	L-10	L-11	L-12	L-13	L-14	L-15	L-16	L-17	L-18	L-19	L-20	L-21	L-22
0'-2'	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	11.5
2'-4'	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	5.9
4'-6'	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0
6'-8'	16.2	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8'-10'	-	0.0	-	-	0.0	-	-	0.0	-	0.0	-	-	0.0	-	0.0	-	163.0	-	-	-	-	14.4	-
10'-12'	-	0.0	-	-	0.0	-	-	0.0	-	0.0	-	-	0.0	-	0.0	-	17.7	-	-	-	-	3.0	-
12'-14'	-	0.0	-	-	0.0	-	-	0.0	-	0.0	-	-	0.0	-	0.0	-	8.5	-	-	-	-	0.4	-
14'-16'	-	0.0	-	-	0.0	-	-	0.0	-	0.0	-	-	0.0	-	0.0	-	21.5	-	-	-	-	50.3	-
19'-21'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	4.0	-
24'-26'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	-	-	-	11.2	-
29'-31'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	31.9	-
34'-36'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0	-
39'-41'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-
44'-46'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	L-23	L-24	L-25	L-26	L-27	L-28	L-29	L-30	L-31	L-32	L-33	L-34	L-35	L-36	L-37	L-38	L-39	L-40	L-41	L-42	L-43	L-44
0'-2'	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2'-4'	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4'-6'	58.9	45.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6'-8'	93.8	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	-	0.0	0.0	0.0	0.0
8'-10'	0.8	-	-	0.0	-	-	10.5	-	-	-	-	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-
10'-12'	0.1	-	-	0.0	-	-	14.6	-	-	-	-	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-
12'-14'	0.5	-	-	0.0	-	-	0.5	-	-	-	-	0.0	-	0.0	-	-	-	0.0	-	-	0.0	-
14'-16'	0.0	-	-	1.5	-	-	0.0	-	-	-	-	0.0	-	0.0	-	-	-	0.0	-	-	0.0	-
19'-21'	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-	-	-
24'-26'	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-	-	-
29'-31'	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-	-	-
34'-36'	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-	-	-
39'-41'	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	0.0	-	-	-	-
44'-46'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-

Table 4-2 is a summary of the VOC analytical results and Table 4-3 is a summary of the PCB analytical results. Of the samples submitted for PCB analysis, 14 showed positive results with concentrations in the samples ranging from 0.5 ppm to 5.8 ppm.

Each of the eight VOC samples submitted for analysis showed positive laboratory results. Of the compounds analyzed for, a total of six were detected in one or more of the samples; ethylbenzene, toluene, chlorobenzene, xylenes (total), benzene and 1,2,4-trichlorobenzene. Chlorobenzene was detected the most frequently, being detected in six of the eight samples submitted for analysis. The maximum concentration of any one compound was 1,2,4-trichlorobenzene at 120 ppm in sample L-24 (6-8) collected from a depth of six to eight feet.

A copy of all laboratory analytical data is presented in Appendix 2.

TABLE 4-2
MARTIN MARIETTA - PITTSFIELD, MA
STEAM LINE ENVIRONMENTAL INVESTIGATION
ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION AND DEPTH

Volatile Organic Compound	L-1(6-8)	L-16(8-10)	L-21(14-16)	L-22(0-2)	L-23(6-8)	L-24(6-8)	L-29(10-12)	L-39(6-8)
Ethylbenzene	300	<500	<120	4,400	2,200	27,000	<120	<100
Toluene	<120	2,000	<120	<500	3,800	26,000	300	100
Chlorobenzene	<120	9,000	1,700	20,000	90,000	100,000	3,900	<100
Xylenes, Total	<120	<500	<120	7,400	6,200	88,000	<120	1,500
Benzene	<120	58,000	1,700	<500	<500	<500	2,600	<100
1,2,4-Trichlorobenzene	<120	<1000	<1000	<1000	4,100	120,000	<1000	<1000
Total Concentration of Detected Volatile Compounds:	**300**	**69,000**	**3,400**	**31,800**	**106,300**	**361,000**	**6,800**	**1,600**

Notes:

All concentrations are in micrograms per kilogram(ug/kg=parts per billion(ppb)).

TABLE 4-3
MARTIN MARIETTA - PITTSFIELD, MA
STEAM LINE ENVIRONMENTAL INVESTIGATION
ANALYTICAL RESULTS - PCB ANALYSES

Sample I.D.

PCB Aroclor	L-1	L-2	L-3	L-3A	L-4	L-5	L-6	L-7	L-8	L-9
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	L-10	L-11	L-12	L-13	L-14	L-15	L-16	L-17	L-18	L-19
PCB-1242	<1	<1	0.5	2	2	<1	<1	2	1	<1
PCB-1254	<1	<1	<1	<1	0.8	<1	<1	2	1	<1
PCB-1260	<1	<1	<1	<1	0.8	<1	<1	1.4	0.71	<1

	L-20	L-21	L-22	L-23	L-24	L-25	L-26	L-27	L-28	L-29
PCB-1242	<1	<1	2	1	2	<1	<1	<1	<1	<1
PCB-1254	<1	<1	3	0.4	0.8	0.3	<1	<1	<1	<1
PCB-1260	<1	<1	0.8	0.4	0.5	0.2	<1	<1	<1	<1

	L-30	L-31	L-32	L-33	L-34	L-35	L-36	L-37	L-38	L-39
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	<1	<1	3	<1	<1	2.4
PCB-1260	<1	<1	<1	<1	<1	<1	1.6	<1	<1	0.5

	L-40	L-41	L-42	L-43	L-44	L-38(0-2)	L-38(2-4)	L-38(4-6)	L-38(6-8)	L-38(8-10)
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	4	3	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1260	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1

	L-38(10-12)	L-39(0-2)	L-39(2-4)	L-39(4-6)	L-39(6-8)	L-39(8-10)	L-39(10-12)
PCB-1242	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	2	<1	<1
PCB-1260	<1	<1	<1	<1	1	<1	<1

Notes:
All concentrations are in micrograms per gram(ug/g=parts per million(ppm)).
Only those PCB Aroclor's with detections above the laboratory detection limit are listed.

Table4-3.xls 6/1/93

TABLE 4-3
MARTIN MARIETTA - PITTSFIELD, MA
STEAM LINE ENVIRONMENTAL INVESTIGATION
ANALYTICAL RESULTS - PCB ANALYSES

Sample I.D.

PCB Aroclor	L-1	L-2	L-3	L-3A	L-4	L-5	L-6	L-7	L-8	L-9
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	L-10	L-11	L-12	L-13	L-14	L-15	L-16	L-17	L-18	L-19
PCB-1242	<1	<1	0.5	2	2	<1	<1	2	1	<1
PCB-1254	<1	<1	<1	<1	0.8	<1	<1	2	1	<1
PCB-1260	<1	<1	<1	<1	0.8	<1	<1	1.4	0.71	<1

	L-20	L-21	L-22	L-23	L-24	L-25	L-26	L-27	L-28	L-29
PCB-1242	<1	<1	2	1	2	<1	<1	<1	<1	<1
PCB-1254	<1	<1	3	0.4	0.8	0.3	<1	<1	<1	<1
PCB-1260	<1	<1	0.8	0.4	0.5	0.2	<1	<1	<1	<1

	L-30	L-31	L-32	L-33	L-34	L-35	L-36	L-37	L-38	L-39
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	<1	<1	3	<1	<1	2.4
PCB-1260	<1	<1	<1	<1	<1	<1	1.6	<1	<1	0.5

	L-40	L-41	L-42	L-43	L-44	L-38(0-2)	L-38(2-4)	L-38(4-6)	L-38(6-8)	L-38(8-10)
PCB-1242	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1254	4	3	<1	<1	<1	<1	<1	<1	<1	<1
PCB-1260	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1

	L-38(10-12)	L-39(0-2)	L-39(2-4)	L-39(4-6)	L-39(6-8)	L-39(8-10)	L-39(10-12)
PCB-1242	<1	<1	<1	<1	<1	<1	<1
PCB-1254	<1	<1	<1	<1	2	<1	<1
PCB-1260	<1	<1	<1	<1	1	<1	<1

Notes:
All concentrations are in micrograms per gram(ug/g=parts per million(ppm)).
Only those PCB Aroclor's with detections above the laboratory detection limit are listed.

Table4-3.xls 6/1/93

5.0 GEOLOGY/HYDROGEOLOGY

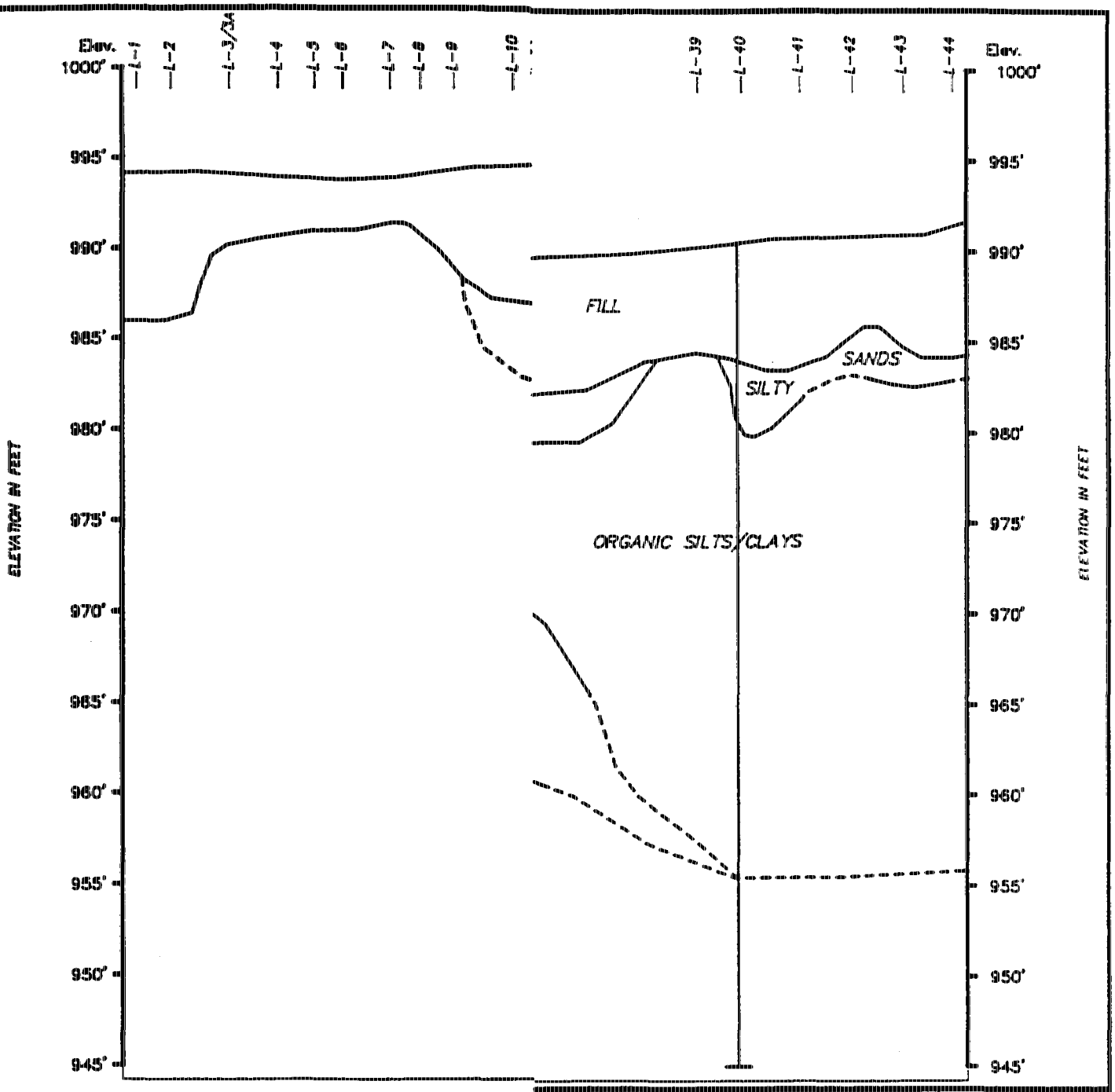
5.1 SOILS

Based on a review of the soil samples collected from the borings, shallow soils beneath the site generally consist of fill overlying peat, organic silts and organic clays. Beneath the organic silts, clays and peat are loose to medium dense silty sands with occasional layers of silts. Along the western-most end of the line (boring locations L-1 through L-9), the organic clays, organic silts and peat are not apparent with the fill directly overlying the silty sands. No bedrock was encountered in any of the boreholes drilled during this project. Figure 5-1 is a generalized cross section summarizing the subsurface soils encountered along the proposed steam line.

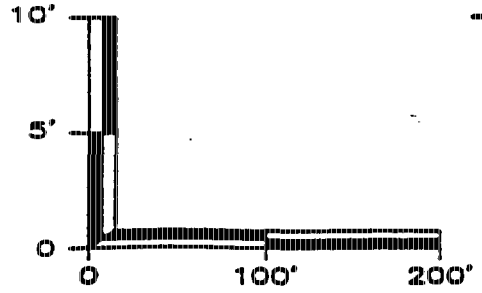
The fill is generally homogeneous being comprised of silty gravelly sands. Minor amounts of construction debris (asphalt, ceramics, etc.) was observed at some locations. Thickness of the fill averages seven to eight feet with a range from two to eleven and one-half feet.

Peat is found intermittently between borings L-12 and L-44 immediately beneath the fill. The peat, generally one to five feet thick, grades slowly into organic silts and clays. Interbedding of the peat with the organic silts and clays is common at many of the boring locations. The organic silts and clays are generally very soft to soft with average Standard Penetration Resistance (N) values of three to four blows per foot. Total thickness of the peat, organic silts and organic clays ranges as high as twenty-five feet with an estimated maximum depth of thirty-five feet.

Silty sands beneath the peat, organic silts and organic clays are fine to coarse grained with minor layers of increased gravel content. Relative densities of the silty sands vary between loose and medium dense with



PROPOSED STEAM LINE
GENERALIZED CROSS SECTION
PITTSFIELD, MA



MARTIN MARIETTA

ERM-Northeast
Environmental Resource Management
501 New Karner Rd. Suite 7, Albany, NY 12205
Tel.(518)452-4291 Fax(518)452-4295

SCALE	AS SHOWN
DATE	6/93
FIGURE	5-1

average N values of nine to ten blows per foot. No apparent significant increase in N values with depth was observed in the borings drilled.

5.2 *GROUND WATER*

At the time of this investigation, depth to ground water at the boring locations ranged between five and eight and one-half feet below the existing grade. Seasonal variations in ground water elevations is expected. Estimated depths to ground water are shown at the top of each boring log in Appendix A. Perched layers of water may be common in the fill materials between four and six feet below grade.

Permeabilities of the natural soils are expected to vary considerably. The peat and organic silts/clays are estimated to have relatively low permeabilities. The silty sands and clean sands (sands with very little silt and clay) are expected to have relatively moderate and relatively high permeabilities respectively. Coupled with the stratigraphy encountered at the borings drilled during this project, these estimated permeabilities show a general increase in permeability of the natural soils with depth.

6.0 SUMMARY

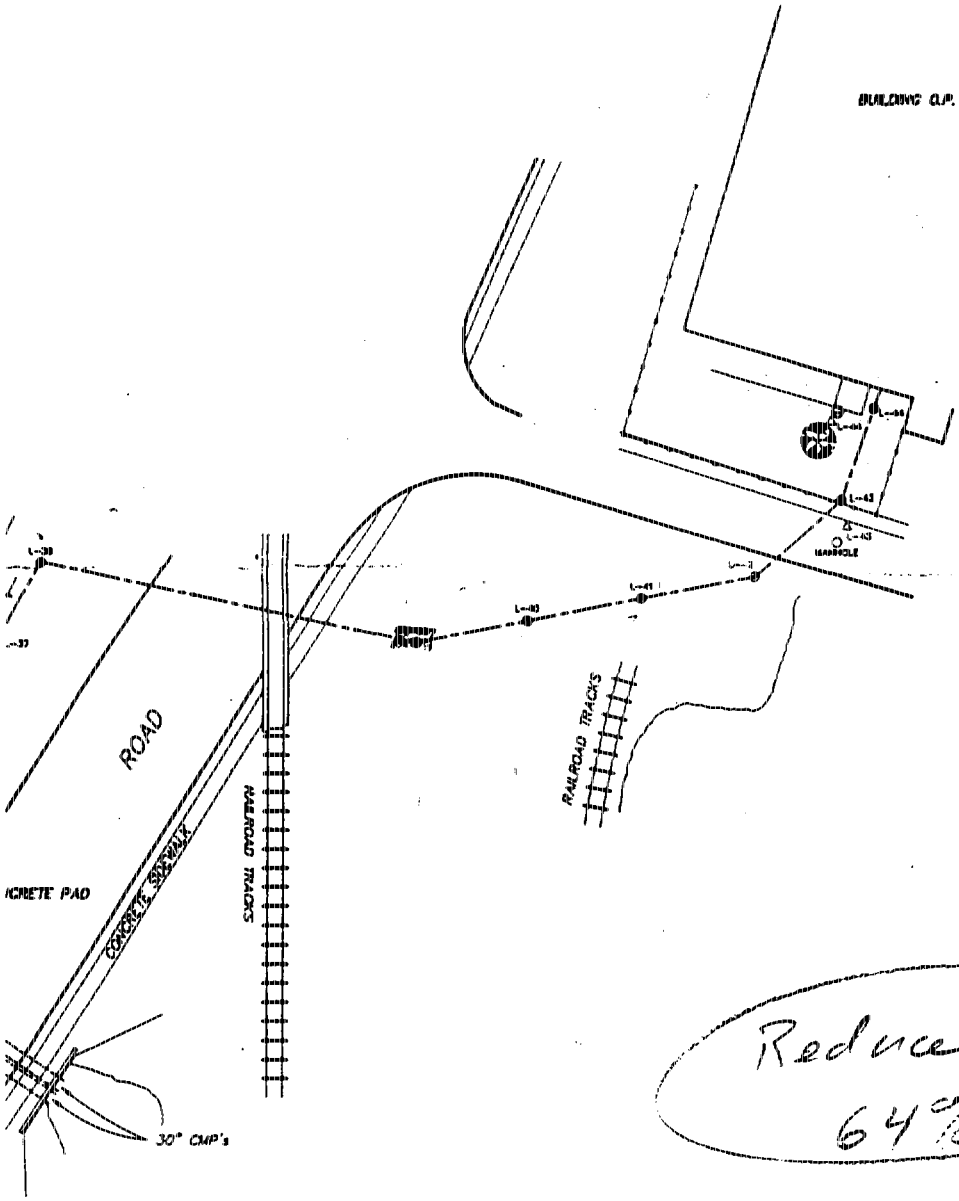
Of the 44 soil borings drilled during the course of this project, seven are shown to have significant volatile contamination present. An additional eight borings also show evidence of volatile contamination but at lower levels. Six different volatile compounds were detected in the samples analyzed: ethylbenzene, toluene, chlorobenzene, xylenes (total), benzene and 1,2,4-trichlorobenzene. Each of the six compounds was detected at significant levels in one or more of the samples. Total VOC concentrations in any one sample analyzed ranged from 300 ppb to 361,000 ppb.

Low levels of PCBs were detected in fourteen of the samples analyzed. Total PCB concentrations in those fourteen samples ranged from 0.5 ppm to 5.8 ppm. Only three out of the seven PCB aroclors analyzed for, PCB-1242, PCB-1254 and PCB 1260, were detected. Maximum concentration of any one aroclor was 4 ppm. Of the three aroclors detected, no particular pattern was observed in the frequency of detection.

Locations of PCB detections appear to be random, not being associated with any particular area; however, no PCB detections were observed in any of the borings at the western most end of the line between locations L-1 and L-11. Detections of volatile compounds appear to be concentrated around the former chemical stabilization pond area. VOC detections were also detected at L-1 and L-39; these, however, appear to be relatively isolated.

Depths at which volatile contamination was encountered varies significantly from surficial to 30 feet. In many cases, VOC contamination encountered appeared to be concentrated in the lower portions of the fill materials and upper portions of the natural soils. No depths were able to be associated with the PCB contamination, with the exception of L-39 (6'-8'), due to the compositing of soils during sample collection procedures. At locations L-

38 and L-39, PCB samples were collected in two-foot intervals in addition to the composite samples. PCB detection at L-38 from six to eight feet depth appears to be associated with an obvious fuel odor observed at that depth during sampling operations.



Reduced to 64%

MAP REFERENCE: MAPS TITLED "ALTERNATE STEAM SUPPLY, OP-3 SECTIONS 2-8 PLAN & DETAILS", SHEETS M-3 THROUGH M-7, DATED 2/4/93, BY RIST-FROST ASSOCIATES, P.C. CONSULTING ENGINEERS AND ARCHITECTS.

LEGEND

PROPOSED STEAM LINE LOCATION

L-39 — PROPOSED BORING LOCATION AND ID#

L-43 — REVISED BORING LOCATION AND ID# WHERE PROPOSED LOCATIONS WERE NOT ACCESSIBLE

STANCHION AND SOIL BORING LOCATION MAP
STEAM LINE INVESTIGATION
PITTSFIELD, MASSACHUSETTS

MARTIN MARIETTA

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Environmental Resource Management
600 New Karner Rd. Suite 7, Albany, NY 12205
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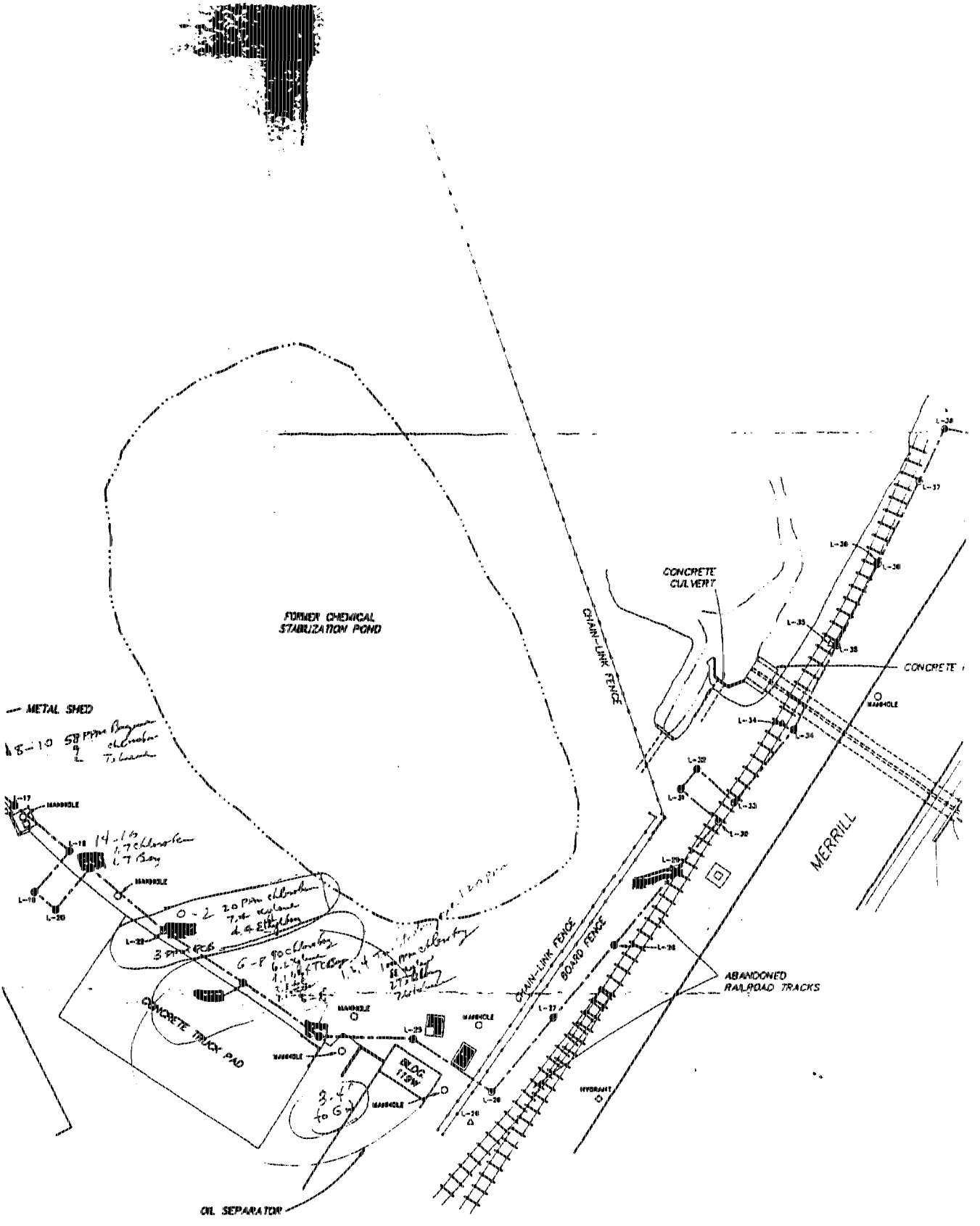
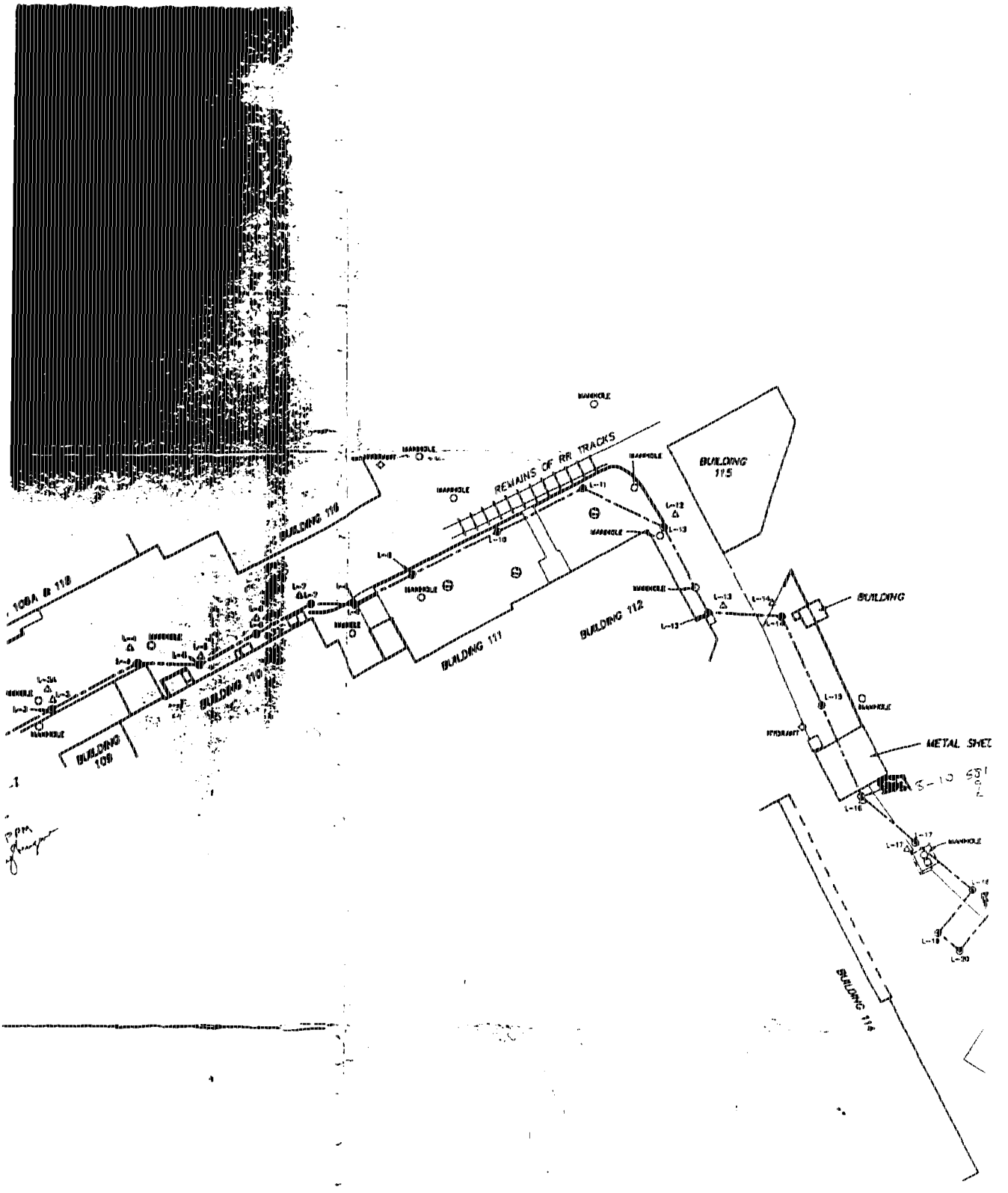
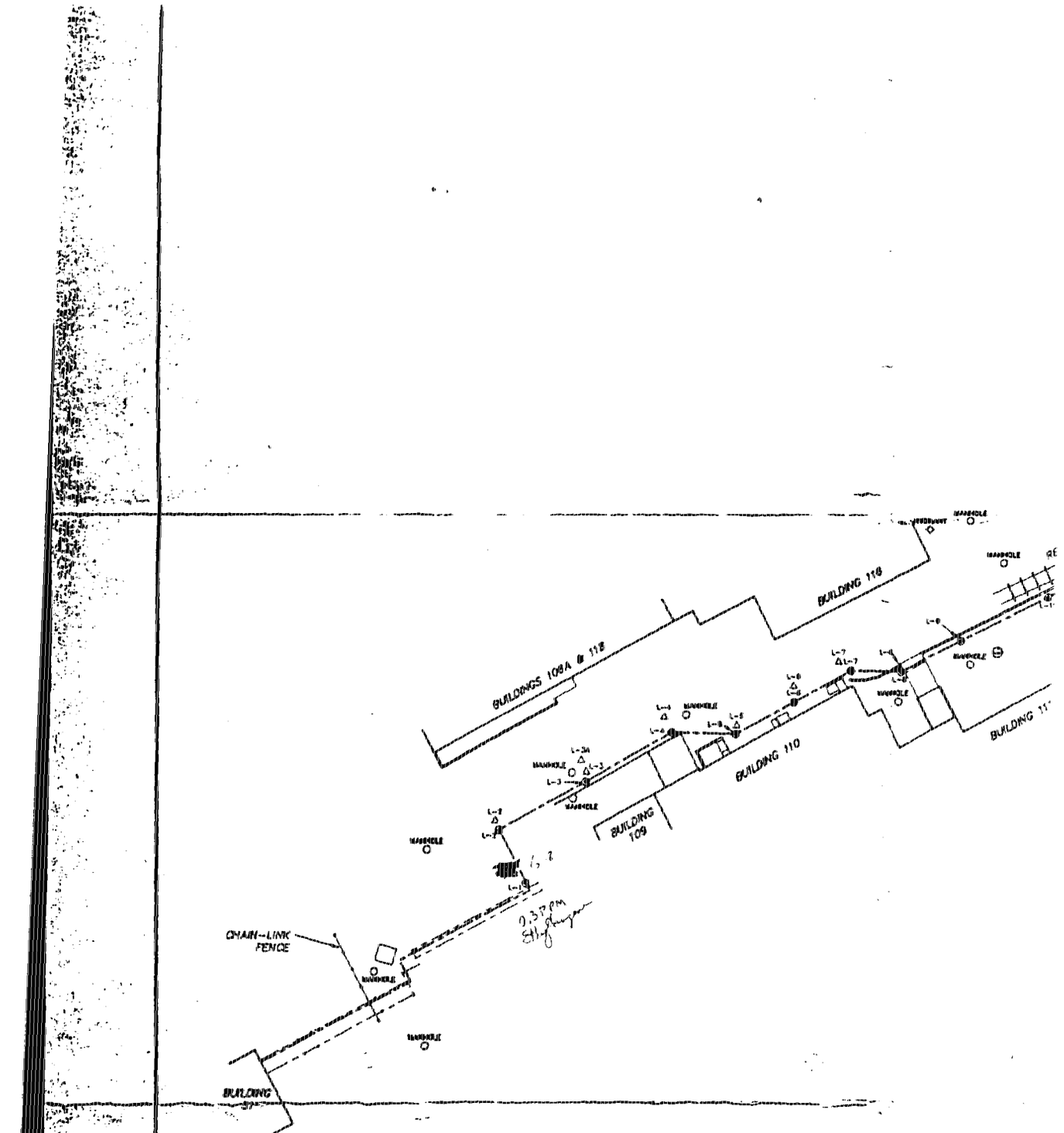
SCALE 1"=40'

DATE 9/93

PROJECT 1


FORMER CHEMICAL STABILIZATION POND
CHAIN-LINK FENCE
CONCRETE CULVERT
METAL SHED
MANHOLE
CONCRETE TRUCK PAD
BLDG 11.9%
OIL SEPARATOR
CHAIN-LINK FENCE
BOARD FENCE
ABANDONED RAILROAD TRACKS
MERRILL
HYDRANT


MANHOLE
REMAINS OF RR TRACKS
BUILDING 115
BUILDING 116
108A & 118
BUILDING 110
BUILDING 109
BUILDING 111
BUILDING 112
BUILDING
METAL SHED
BUILDING 114


BUILDINGS 108A & 118
BUILDING 118
BUILDING 110
BUILDING 109
MANHOLE
CHAIN-LINK FENCE
BUILDING

Appendix 1
Boring Logs

ERM-Northeast
501 New Karner Road, Suite 7, Albany NY 12205 (518) 452-4291

LOG OF BORING: L-1

Project name & location: n Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Company: Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
Hole dia.: 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.9	6 9 R/0.1	1316	0.0	R	Fill	Brown f-c SAND, little silt, some gravel (moist)	Refusal at 1.1'
2									
3	2	0.7	8 8 8 7	1325	0.0	16		Brown f-c SAND, little silt (moist)	
4									
5	3	1.3	5 7 6 6	1330	0.0	13		Lt brown f-c SAND, trace silt (moist)	
7	4	1.3	6 6 6 7	1348	16.2	12		Same as above wet/saturated below 7'	Oil soaked/saturated below 7.5'
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
16									

ERM-Northeast
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LOG OF BORING: L-2

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Company: ...er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 16' / Rock depth: NA
Hole dia.: ...-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	PID/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0			- -						
1	1	0.9	14 10	1402	0.0	24	Fill	Brown f-c SAND, trace silt, trace gravel (moist)	Augered to 1' through asphalt
2									
3	2	0.1	8 5 4 3	1405	0.0	9		Same as above (moist)	little/no recovery
4									
5	3	0.5	4 5 10 5	1409	0.0	15		Brown f-c SAND, little silt, asphalt debris (moist)	
7	4	0.1	6 5 3 3	1411	0.0	8		Same as above (wet - Sat.)	7.5' Natural below 7.5'
8								Brown f-c SAND, trace silt, tr f gravel (sat., loose)	
9	5	2.0	3 4 4 4	1416	0.0	8	SP	Same as above (sat., loose)	
10									
11	6	2.0	4 4 8 8	1421	0.0	12		Same as above to 11.5' (wet/sat.) (medium dense)	11.5'
12								Green/brown f-m SAND, some clayey silt (sat., medium dense)	
13	7	0.6	5 8 10 19	1430	0.0	18	SM	Same as above, trace gravel (sat., medium dense)	
14									
15	8	0.8	13 15 18 17	1437	0.0	33		Same as above, little gravel (sat., dense)	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-3

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Company: ...fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 993.5+/-	Completion depth: 5.5' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector: Matt Bell	Estimated depth to ground water: NA

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	- - 6 7	1455	0.0	13		Brown f-m SAND, ceramic debris (moist)	Auger to 1' through asphalt
2									
3	2	1.0	7 8 3 4	1458	0.0	11	Fill	Same as above	
4									
5	3	1.0	4 5 R/0.2	1505	0.0	R		Same as above - Hard at 5.5' stop borehole, possible utility	
								Boring Completed at 5.5'	Boring continued at L-3A location
7									
8									
9									
10									
11									
12									
13									
14									
16									

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LOG OF BORING: L-3A

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: r Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: obile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 993+/-	Completion depth: 8' / Rock depth: NA
Hole dia.: 1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1								Auger to 4' - begin sampling at 4'	See L-3 boring log for 0'-4' sampling
2									
3									
4									
5	1	1.5	10 8 4 4	1012	0.0	12	Fill	Pale off white debris-hard/dry	5'
							SM	Orange brown f-m SAND, some micaceous silt (v. moist-wet, loose)	Natural below 5' Saturated below 6'
7	2	1.1	5 8 10 7	1015	0.0	18		Same as above to 7.5' gray color 7.5'-7.8'	7.8'
								Orange brown f-c SAND, and f gravel little silt (saturated, medium dense)	
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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501 New Karner Road, Suite 7, Albany NY 12205 (518) 452-4291

LOG OF BORING: L-4

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Company: fer Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints: 993.5+/-	Completion depth: 16' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									Augered through asphalt to 1'
1	1	0.8	9 10	1517	0.0	19	FILL	Brown f-c SAND, trace gravel (moist)	
2									2.5' Natural below 2.5'
			13				SP	Brown f-c SAND, tr Silt (moist, med. dense)	3.0'
3	2	1.5	9 8 7	1520	0.0	17		Brown fine SAND, some silt (moist, medium dense)	
4									
5	3	2.0	3 3 3 4	1522	0.0	6	SM	Brown fine SAND, some micaceous silt (wet - sat. below 5.5', loose)	
									6.0'
7	4	1.5	4 5 6 6	1525	0.0	11		Gray green fine SAND, and clayey silt (sat., medium dense)	
8									
9	5	2.0	14 8 6 5	1531	0.0	14		Same as above to 9' (sat., medium dense)	9.0'
10								Black stained f-c SAND, some f-c gravel, trace silt (sat.,medium dense)	ODOR
11	6	1.2	6 9 7 5	1534	0.0	16		Same as above to 11.5'	
									11.5'
12								Orange-brown f-c SAND, trace silt (sat., medium dense)	
									12.5'
13	7	1.2	6 5 6 4	1540	0.0	11	SP/SM	Olive brown f-c SAND, trace silt ,trace gravel (sat., medium dense)	
14									
15	8	1.5	4 4 3 3	1546	0.0	7		Same as above (sat. , loose)	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-5

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Drilling company: ifer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drill equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									Auger to 1' through asphalt
1	1	0.5	3 5	1610	0.0	8	Fill	Orange brown f-m SAND, trace silt (moist)	
2									2'
3	2	1.2	6 7 8 9	1613	0.0	15	SP	Brown f-c SAND, trace silt	
4									4'
5	3	1.5	5 6 5 5	1616	0.0	11	SM	Brown f-m SAND, little micaceous silt (moist)	
6									
7	4	1.8	5 5 7 5	1620	0.0	12		Same as above	7'
8								Gray, olive, green f-m SAND, some silt (wet-saturated, medium dense)	
9								Boring Completed at 8'	
10									
11									
12									
13									
14									
15									
16									

ERM-Northeast
501 New Karner Road, Suite 7, Albany NY 12205 (518) 452-4291

LOG OF BORING: L-6

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/12/93	Date & time completed: 4/12/93
Company: er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
I.D.: -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									Augered to 1' through asphalt
1	1	0.8	- - 4 8	1641	0.0	12	Fill	Orange brown f-m SAND, trace silt	
2									2'
							SP	Orange brown f-c SAND, trace silt	2.5'
3	2	1.8	9 7 9 8	1643	0.0	16	SP/SM	Orange brown f-m SAND, trace silt (moist, medium dense)	
4									4'
5	3	1.5	3 6 5 4	1646	0.0	11	SM	Dk brown f-c SAND, little silt (wet, med dense)	5'
								Orange brown f SAND, and micaceous silt (wet, med dense)	
7	4	1.9	4 3 3 4	1650	0.0	6		Orange brown f-m SAND, little silt (saturated, loose) grades to a gray-green colot at 7.5'	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-7

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994 +/-	Completion depth: 16' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									Augered through asphalt to 1'
1	1	1.0	7 7	1029	0.0	14	Fill	Orange brown f-m SAND, trace silt, trace gravel, trace debris (moist)	
2									2.0' Natural below 2'
3	2	1.5	11 8 9 8	1031	0.0	17	SP	Orange brown f-c SAND, trace silt (moist, medium dense)	
4									
5	3	1.2	5 6 4 6	1033	0.0	10		Same as above to 5.5'	
							SM	Orange brown fine SAND, some micaceous silt (wet,loose)	
7	4	2.0	3 3 4 4	1036	0.0	7		Same as above to 7'	7'
8							ML	Gray green micaceous clayey silt and fine sand(saturated below 6.5', medium)	
9	5	1.8	3 2 5 7	1042	0.0	7		Same as above - stained black from 8.0' - 8.5' (sat., loose)	9.5'
10								Orange brown f-c SAND, little fine gravel, trace silt (sat., medium dense)	
11	6	2.0	8 7 6 4	1045	0.0	13		Same as above - interlayered colors - gray, black, orange (staining ?) (sat., medium dense)	
12									
13	7	1.5	6 7 6 8	1054	0.0	13	SP/SM	Orange brown f-c SAND, trace gravel, trace silt (sat. , medium dense)	
14									
15	8	2.0	6 6 7 7	1058	0.0	13		Gray brown f-c SAND, trace fine gravel, trace silt (sat., medium dense)	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-8

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: Aquifer Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
Hole dia.: 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	BTU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.1	16 7 6	1113	0.0	13	Fill	Brown f-m SAND, little gravel (moist)	
2									
3	2	0.5	5 3 R	1115	0.0	8		Same as above	Refusal at 3'
4									4'
5	3	1.4	1 2 3 9	1128	0.0	5	SM	Orange brown f SAND, and micaceous silt (moist, loose)	
7	4	2.0	9 6 5 6	1129	0.0	11		Orange brown f-m SAND, some micaceous silt (saturated below 7', medium dense)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
16									

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LOG OF BORING: L-9

Project name & location: ...in Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: ...ker Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994.5+/-	Completion depth: 16' / Rock depth: NA
Hole dia.: 5-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Encountered depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	3 4 R -	1141	0.0	R		Brown SILT and gravel (moist)	
2							Fill	stained black from 2.0' - 2.5'	
3	2	1.0	3 5 3 1	1145	0.0	8		Brown f-c SAND, little fine gravel, trace silt (moist)	
4								Same as above to 4.5'	4.5'
5	3	1.5	6 3 1 1	1145	0.0	4		Gray green f-m SAND, some silt (wet)	
							Fill	(sat. at 6')	
7	4	2.0	2 3 7 8	1149	0.0	10		Stained dark gray green f-m SAND, little silt (sat.)	7.0' Natural beow 7.0'
8							Pt	Topsoil layer/peat with roots from 7.0' - 7.8'	7.8'
9	5	1.5	3 6 5 4	1153	0.0	11		Olive gray fine SAND, and micaceous silt (wet - saturated, medium dense)	
10							SM	Same as above (sat, medium dense)	
11	6	1.8	9 6 7 8	1156	0.0	13		Same as above to 11.5' (sat., medium dense)	11.5'
12								Gray f-c SAND, trace silt (sat., medium dense)	
13	7	1.5	5 6 8 6	1202	0.0	14		Same as above (sat., medium dense)	
14							SP		
	8	2.0	5 6 6 9	1208	0.0	12		Same as above (sat., medium dense)	
16								Boring Completed at 16'	

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LOG OF BORING: L-10

Project name & location: Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: ...fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	BNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.2	1 2 5 8	1247	0.0	7	Fill	Orange brown f SAND, some silt (moist)	
2									
3	2	2.0	8 5 5 4	1248	0.0	10		Orange brown/dk stained f-m SAND, little silt (moist-wet at 4')	
4									
5	3	1.2	3 3 9 8	1251	0.0	12		Dk gray/brown stained f-m SAND, trace gravel (wet-saturated)	
7	4	1.5	9 9 5 5	1254	3.6	14		Same as above	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
16									

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LOG OF BORING: L-11

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 4/13/93	Date & time completed: 4/13/93
Company: Aquifer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	BNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	2.0	1 2 2 1	1226	0.0	4	Fill	Orange/brown/black f SAND, some silt (moist)	
2									
3	2	0.9	2 2 3 2	1228	0.0	5		Brown f-c SAND, little silt (moist)	
4									
5	3	1.2	1 1 2 5	1230	0.0	3		Brown/gray f-c SAND, trace silt (saturated, loose)	
6									
7	4	2.0	13 11 5 3	1234	1.6	16		Same as above to 7'	7'
8							Fill/ Disturbed	Gray green/black stained f-m SAND, trace gravel (saturated, medium dense)	
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
16									

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LOG OF BORING: L-12

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/10/93	Date & time completed: 5/10/93
Company: ...er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 16' / Rock depth: NA
Hole dia.: 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Ground water encountered: 8'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0								4" asphalt, 2" concrete, 6" subgrade	
1	1	0.5	7 4	1145	0.0	11		Brown f-c SAND, little silt, trace f gravel (dry)	
2								Same as above to 2.5'	2.5'
3	2	1.5	21 8 7 7	1152	0.0	15	Fill	Olive brown f-m SAND, some silt (moist-wet by 4')	
4									
5	3	1.3	4 4 3 2	1155	0.0	7		Olive brown f-m SAND, trace gravel (wet)	
7	4	0.1	1 1 1 1	1158	0.0	2	Fill	Brown f-c SAND, little silt (v. moist-wet)	
8									
9	5	1.5	1 1 2 2	1203	0.0	3		Same as above to 9'	9.0'
10							PT	Black peat/organic silt (moist, soft)	Very distinct odor 9'-16'
11	6	1.5	P U S H	1220	0.0	NA			Shelby tube 10'-12.5'
12							OL	Black brown organic SILT and f-m sand (wet-saturated, very soft)	11.0' (?) 12.0' (?)
13	7	1.5	1 1 1	1229	0.0	2	PT/SM	Black/Dk Brown PEAT interlayered with f-m SAND and silt (wet, very soft)	13.5'
14							ML	Olive gray micaceous SILT and f sand (wet) (very soft)	14.0'
15	8	1.2	2 2 3 3	1231	0.0	5	SP	Gray f-c SAND, trace f gravel (saturated, loose)	15.5'
16							SM	Gray brown f-m SAND, little silt (saturated, loose)	
								Boring Completed at 16'	

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LOG OF BORING: L-13

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/10/93	Date & time completed: 5/10/93
Company: ...er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
I.D.: ...-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	BNG/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0								0.25' asphalt, 0.25' concrete	
1	1	0.8	5 4 3	1253	0.0	9	Fill	Brown f-c SAND, little silt (moist)	
2									
3	2	0.1	2 1 1 1	1255	0.0	2		Same as above	Strong, distinct odor
4									
5	3	1.5	2 1 3 6	1258	0.0	4		Brown/black f-m SAND, little silt (moist)	Layer of fluid at 4.5'
7	4	1.7	5 7 7 6	1303	0.0	14		Brown/black f-c SAND, trace gravel, little silt (saturated)	Strong odor
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-14

Project name or location: [illegible]n Marietta - Pittsfield	Project number: 557.003	Date drilling started: 5/10/93	Date drilling completed: 5/10/93
Company: [illegible]cer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995 +/-	Completion depth: 41' / Rock depth: NA
I.D.: 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.5	2 5 11 11	1317	0.0	16	Fill	Brown f-c SAND, little gravel, trace silt (moist)	
2									
3	2	1.5	5 2 2 1	1320	0.0	4		Same as above to 3'	3.0'
4								Orange brown f-m SAND, trace silt (saturated)	
5	3	0.1	1 1 7 3	1323	0.0	8	Fill	No Recovery (wet)	
7	4	0.6	1 3 2 4	1325	0.0	5		Brown f-c SAND, trace f gravel, little silt (saturated)	
8									8.0' Natural below 8'
9	5	1.3	3 3 3 3	1330	0.0	6	SM/OL	Dk brown f-c SAND, some organic silt/peat (wet, loose)	
10									10.5'
11	6	2.0	3 3 3 4	1340	0.0	6	PT	Brown peat, wood, roots (moist,medium)	
12									12.0'
13	7	2.0	1 1 1 1	1350	0.0	2	OL	Dark brown organic SILT (v. moist-wet) roodlets (very soft)	13.5'
14									
[illegible]	8	2.0	5 4 4 4	1356	0.0	8	SM	Olive brown micaceous f SAND, and silt (wet, loose)	
16									End 5/10/93 16' Begin 5/13/93

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LOG OF BORING: L-14

DEPTH (ft below ground)	SAMPLES: No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
17							SM		
18									18'
19									
20	9	2.0	4 3 3 4	0821	0.0	6	SP	Gray f-c SAND, trace silt (saturated, loose)	20.0'
21							SM	Olive brown micaceous f-m SAND, some silt (saturated, loose)	
22									22.5'
23									
24									
25	10	1.1	5 2 2 5	0855	2.8	4	ML	Gray brown micaceous clayey silt, little f sand (saturated, medium)	
26									
27									27.5'
28									
29									
30	11	1.0	5 6 5 6	0910	0.0	11	SP/SM	Brown f-m SAND, trace silt (saturated, medium dense)	
31									
32									
33									
34									
35	12	0.5	5 6 6 8	0917	0.0	12		Same as above	
36									

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LOG OF BORING: L-14

TH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
- 36									
							SP/SM	Same as above	
- 37									37.5'
- 38									
- 39									
- 40	13	2.0	7 8 8 8	0924	0.0	16	SP	Brown f-m SAND, trace silt, tr fine gravel (saturated, medium dense)	
- 41								Boring Completed at 41'	
- 42									
- 43									
- 44									
- 45									
- 46									
- 47									
- 48									
- 49									
- 50									
- 51									
- 52									
- 53									
- 55									

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LOG OF BORING: L-15

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/10/93	Date & time completed: 5/10/93
Company: ...ifer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0								0.5' concrete	
1	1	1.3	12 10 5	1410	0.0	22	Fill	Brown f-c SAND, little silt, trace gravel (dry)	
2									
3	2	2.0	5 4 3 3	1412	0.0	7		Gray brown SILT and f sand (wet by 3.5')	
4									
5	3	2.0	2 2 2 1	1420	0.1	4		Same as above	5'
							SM (Fill?)	Gray f-m SAND, some silt (saturated, loose)	
7	4	2.0	1 0 1 0	1424	0.0	1			7'
8							ML (Fill?)	Gray brown/olive SILT and f-m sand (saturated, loose)	
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-16

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/10/93	Date & time completed: 5/10/93
Company: ...er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995 +/-	Completion depth: 16' / Rock depth: NA
I.D.: 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0								Auger to 1'	
1	1	1.0	- - 3 5	1538	0.0	8	Fill	Brown f-m SAND, little silt (moist)	
2									
3	2	1.5	5 5 5 3	1541	0.0	10		Brown, orange, olive f SAND, and silt (moist)	
4									
5	3	1.5	2 1 2 2	1543	0.2	3		Same as above (wet)	
7	4	1.2	1 0 1 0	1546	0.0	1		Olive brown f-m SAND, some silt (saturated)	
8								Same as above to 8.5'	8.5'
9	5	1.8	1 1 1 1	1552	163	2	PT	Dk brown PEAT (moist, very soft)	VOC sample taken 8.5-9'
10									
11	6	2.5	P U S H	1608	17.7	NA			Shelby tube 10-12.5'
12							SM	Gray micaceous f SAND, little silt (sat., loose)	11.5'
13	7	1.5	4 4 3	1611	8.5	7			13'
14								Gray brown f-m SAND, trace silt (saturated, loose)	
15	8	2.0	3 2 3 3	1617	21.5	5	SP/SM	Same as above	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-17

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/10/93	Date & time completed: 5/10/93
Company: er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drill equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
I.D.: -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.0	- - 5 4	1632	3.3	9	Fill	Brown f-c SAND, some silt (moist)	
2									
3	2	0.5	5 5 3 3	1635	7.5	8		Same as above	
4									
5	3	0.1	3 3 2 2	1638	0.1	5		Brown f-m SAND, some silt (v. moist-wet)	
7	4	0.3	1 1 1 1	1645	0.0	2		Olive brown f SAND, and silt (saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-18

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Driller & company: fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	2.0	18 16 13 14	0756	0.0	29	Fill	Brown f-c SAND, little silt, little gravel (dry)	
2									
3	2	1.5	7 4 3 3	0758	0.0	7		Same as above (moist-wet)	
4									
5	3	1.0	2 1 2 2	0800	0.0	3		Same as above (wet)	
7	4	0.1	3 3 5 10	0803	0.0	8		Brown f-c SAND, and f-c gravel trace silt (saturated)	
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-19

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: r Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
Hole dia.(s): -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.2	- 3 R -	0810	0.0	R	Fill	Brown f-m SAND, little silt, trace gravel (v. moist)	
2									
3	2	1.6	4 3 4 4	0813	0.0	7		Same as above	
4									
5	3	1.2	2 2 2 1	0816	0.0	4		Brown clayey SILT, some f-m sand, trace gravel (wet)	
7	4	1.2	1 1 2 2	0818	0.0	3		Brown f-m SAND, some silt (wet-saturated)	
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-20

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: ...ler Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 995+/-	Completion depth: 8' / Rock depth: NA
I.D.(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Encountered depth to ground water: 7.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.2	- - 7 8	0824	0.0	15	Fill	Brown SILT, little f-c sand, trace gravel (moist)	
2									
3	2	2.0	9 11 10 9	0826	0.0	21		Brown f SAND, some silt (moist)	
4									
5	3	1.5	5 3 2 1	0828	0.0	5		Same as above (wet)	
7	4	1.7	1 2 2 2	0830	0.0	4		Brown f-m SAND, some silt (wet-saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-21

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: ...er Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :995+/-	Completion depth: 36' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.5	5 17 22 24	0950	0.0	39	Fill	Brown f-m SAND, little silt, trace gravel (moist)	
2									
3	2	0.2	14 8 6 5	0952	0.0	14		Same as above	
4									
5	3	1.1	2 3 4 3	0954	0.0	7	Fill	Brown f-c SAND, little gravel (wet)	
7	4	0.1	4 4 3 4	0956	0.0	7		Gray f-c GRAVEL, little f-c sand (saturated)	
8									8' Natural below 8'
9	5	2.0	2 2 1 2	1001	14.4	3	PT	Brown PEAT (v. moist, soft)	9'
10							OL	Dk gray organic CLAYAY-SILT, some f sand (wet-saturated, soft)	Odor 10.5'
11	6	2.0	6 8 9 9	1003	3.0	17	SM	Gray brown f SAND, some clayey silt (saturated, medium dense)	
12									
13	7	1.1	4 4 3 4	1005	0.4	7		Gray brown micaceous f SAND, some clayey silt (saturated, loose)	
14									14'
15	8	2.0	4 5 5 5	1013	50.3	10	SP/SM	Gray brown f-m SAND, trace silt (saturated, loose)	VOC sample at 14-16'
16									End 5/11/93 16' Begin 5/13/93

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LOG OF BORING: L-21

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
17							SP/SM		
18									18'
19									
20	9	1.8	4 4 3 5	1100	4.0	7	SM	Gray brown micaceous f-m SAND, and clayey silt (saturated, loose)	Distinct odor
21									
22									
23									
24									
25	10	1.0	8 6 5 5	1105	11.2	11		Same as above to 25' (medium dense)	Odor 24-25' 25'
26								Gray/brown/black f-c SAND and f-c gravel trace silt (saturated, medium dense)	Heavy sheen and odor 25-26'
27									
28									
29							SP		
30	11	2.0	5 6 7 9	1112	31.9	13		Dk gray f-c SAND, little gravel, trace silt	Heavy odor and sheen
31									
32									32.5'
33									
34									
36	12	2.0	5 6 6 8	1121	0.0	12	ML	Brown micaceous SILT, tr fine sand (saturated, stiff) Boring Completed at 36'	

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LOG OF BORING: L-22

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Driller & company: r Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 994+/-	Completion depth: 8' / Rock depth: NA
Boring diameter(s): -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.5	2 8 11 8	1027	11.5	19	Fill	Brown f-c SAND, and silt, trace gravel (moist)	
2									
3	2	1.7	8 5 4 3	1029	5.9	9		Same as above	
4									
5	3	1.5	5 8 14 7	1033	0.0	22		Same as above (wet)	Spoon bent-possible utility at 5'
7	4	0.5	3 2 7 7	1136	0.0	9		Gray brown f-m SAND, some silt (saturated)	Relocated-2' away augered to 6' and drove 6'-8' spoon
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-23

Project name & location	Project number	Date & time started	Date & time completed	
Martin Marietta - Pittsfield	557.003	5/11/93	5/11/93	
Drilling company	**Foreman**	**Sampler(s)**	**Sampler hammer**	**Drop**
fer Drilling & Testing	Joe Miranda	2" Split Spoon	140#	30"
Equipment	**Method**	**Elevation & datum**	**Completion depth**	**Rock depth**
obile Drill B-57	HSA	RFA Prints: 993+/-	16'	NA
Bit(s)	**Core barrel(s)**	**Inspector(s)**	**Estimated depth to groundwater**	
3-1/4" I.D.	NA	Matt Bell	5'	

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.8	1 3 6 13	1143	0.0	9	Fill	Brown f-c SAND, some f-c gravel, trace silt (dry)	
2									
3	2	1.0	9 4 3 3	1144	0.0	7		Brown f-c SAND, trace gravel (moist)	
4									
5	3	2.0	1 1 2 1	1146	58.9	3		Brown/black f-m SAND, and clayey silt (saturated)	
6									
7	4	2.0	2 3 3 3	1149	93.8	6	Fill	Same as above	Heavy sheen
8									
9	5	0.8	3 5 1 2	1152	0.8	6		Brown f-c SAND, some clayey silt (saturated)	
10									
11	6	0.2	5 4 5 4	1154	0.1	9		Brown f-c SAND, some f-c gravel, little silt (saturated)	11.5' Natural below 11.5'
12									
13	7	1.3	4 4 4 3	1201	0.5	8	SP/SM	Olive brown f - m SAND, trace micaceous silt (saturated, loose)	
14									14'
15	8	1.0	3 2 3 2	1206	0.0	5	ML	Olive brown SILT, some fine sand (saturated, medium)	
								Boring Completed at 16'	

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LOG OF BORING: L-24

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Drilling company: fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Type of equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 992.5+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 3'

DEPTH (ft below grade)	SAMPLES: No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.5	1 6 5 7	1118	0.0	11	Fill	Brown/black f-c SAND, trace silt (dry)	
2									
3	2	1.5	3 4 4 3	1119	0.0	8		Same as above (wet by 4')	
4									
5	3	1.8	5 6 4 4	1122	45.1	10		Black f-c SAND, little silt	Strong odor
6									
7	4	2.0	5 4 4 4	1124	52.8	8		Same as above	Heavy chemical sheen 6'-7' VOC sample 6'-8'
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-25

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: er Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 991.5+/-	Completion depth: 8' / Rock depth: NA
I.D.(s): -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.1	6 12 10 8	1057	0.0	22	Fill	Topsoil-Brown f-m SAND, and silt	
2									
3	2	1.0	7 4 3 5	1059	0.0	7		Brown f-c SAND, little gravel, trace silt (moist)	
4									
5	3	0.9	5 2 1 2	1101	0.0	3		Same as above to 5'	5'
6								Brown f-m SAND, trace silt (wet)	
7	4	0.5	1 0 1 0	1105	0.0	1		Same as above (saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-26

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Drilling company: ifer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :992+/-	Completion depth: 16' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Encountered depth to ground water: 7.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.0	3 6 15 6	1305	0.0	21	Fill	Brown f-m SAND, trace gravel (dry)	
2									
3	2	0.5	6 3 4 3	1307	0.0	7		Same as above (moist)	
4									
5	3	1.0	11 10 12 9	1309	0.0	22		Same as above	
6									
7	4	1.0	4 4 3 2	1312	0.0	7		Brown f-c SAND, little silt, trace gravel (wet-saturated)	
8									8' Natural below 8'
9	5	1.5	1 0 1 2	1315	0.0	1	SP/SM	Gray f-m SAND, trace silt, micaceous (saturated, very loose)	
10									
11	6	1.8	7 4 3 3	1317	0.0	7		Same as above to 11.5' trace gravel (loose)	11.5'
12								Olive brown micaceous f SAND, some silt (saturated, loose)	
13	7	2.0	2 2 2 2	1324	0.0	4		Gray brown v f SAND, some clayey silt (saturated, loose)	Odor 12-14'
14							SM		
15	8	2.0	4 5 6 5	1328	1.5	11		Same as above	Odor 14-16'
16									
								Boring Completed at 16'	

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LOG OF BORING: L-27

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Drilling company: ifer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 992+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.8	6 7 8 7	1338	0.0	15	Fill	Brown f-c SAND, little silt, little gravel (moist)	
2									
3	2	1.7	3 3 3 2	1340	0.0	6		Brown SILT and f-c sand, trace gravel (v. moist-wet by 4')	
4									
5	3	1.2	2 2 2 3	1343	0.0	4		Dk brown clayey SILT, little f-m sand (wet)	
									6.5' Natural below 6.5'
7	4	1.5	4 4 6 4	1344	0.0	10	SP/SM	Gray f-c SAND, trace gravel, trace silt (saturated, loose)	
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-28

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: er Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drill equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 992+/-	Completion depth: 8' / Rock depth: NA
Hole(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.2	4 6 6 6	1352	0.0	12	Fill	Brown f-m SAND, and silt, trace gravel (moist)	
2									
3	2	1.4	6 3 1 2	1354	0.0	4		Same as above (wet by 3.5')	
4									
5	3	0.1	2 2 2 2	1355	0.0	4		Same as above (moist)	
7	4	1.1	5 7 9 13	1400	0.0	16			7'
8							SM Fill/ Disturbed	Gray brown f-c SAND, and f-c gravel, little silt (wet-saturated)	
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-29

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
& equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :992+/-	Completion depth: 16' / Rock depth: NA
dia): -1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.0	4 4 6 19	1408	0.0	10	Fill	Brown f-c SAND, little silt , trace gravel (dry)	
2									
3	2	0.0	10 5 7 7	1410	0.0	12		No Recovery	
4									
5	3	1.3	3 4 4 2	1413	0.0	8		Brown f-c SAND, little silt, trace gravel(wet)	
7	4	0.2	1 5 2 2	1415	0.0	7		Same as above	
8									8' Natural below 8'
9	5	2.0	5 6 5 5	1420	10.5	11	OL	Gray brown organic silty CLAY, little v. f sand (moist, stiff)	9'
10							SM	Gray brown f-c SAND, little silt (saturated, loose)	
11	6	1.5	4 5 6 5	1422	14.6	11		Same as above to 11.5'	VOC sample 10-12' 11.5'
12							ML	Olive brown SILT, some fine sand (saturated, stiff)	
13	7	2.0	6 5 5 5	1430	0.5	10		Same as above (medium loose)	
14									
15	8	1.3	5 7 6 6	1433	0.0	13		Same as above	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-30

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Driller & company: fer Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 992+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.0	2 4 6 11	1633	0.0	10	Fill	Brown f-c SAND, little silt (dry)	
2									
3	2	0.1	R - - -	1634	0.0	-		Same as above	Refusal at 2.5'
4									
5	3	1.0	7 7 8 7	1642	0.0	15		Same as above little gravel (wet)	
7	4	1.5	4 3 2 3	1645	0.0	5		Same as above-grades to a gray color at 6'	7'
							OL	Dk brown/black organic silty CLAY (wet, medium)	Natural below 7'
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-31

Project name & location	Project number	Date & time started	Date & time completed
Martin Marietta - Pittsfield	557.003	5/11/93	5/11/93
Drilling company	Foreman	Sampler(s)	Sampler hammer	Drop
fer Drilling & Testing	Joe Miranda	2" Split Spoon	140#	30"
Equipment	Method	Elevation & datum	Completion depth	Rock depth
mobile Drill B-57	HSA	RFA Prints : 991+/-	8'	NA
Bit(s)	Core barrel(s)	Inspector(s)	Estimated depth to ground water
3-1/4" I.D.	NA	Matt Bell	6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.0	2 7 4 6	1458	0.0	11	Fill	Brown f-m SAND, some silt, trace gravel(moist)	
2									
3	2	2.0	7 4 9 7	1500	0.0	13		Brown f-m SAND, and silt, trace gravel (v. moist-wet)	
4									
5	3	0.8	4 4 4 3	1502	0.0	8		Same as above with piece of wood debris (wet)	
6									6.5' Natural below 6.5'
7	4	1.5	3 3 6 4	1504	0.0	9	OL	Organic micaceous clayey SILT, with organics-wood and roots (wet, stiff)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-32

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Company: ...er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 991+/-	Completion depth: 8' / Rock depth: NA
Hole dia(s): 4-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	1 3 4 6	1446	0.0	7	Fill	Topsoil-Brown SILT	
2									
3	2	1.2	3 4 3 1	1448	0.0	7		Brown f SAND, little silt, trace gravel (moist)	
4									
5	3	1.5	3 4 5 5	1450	0.5	9		Brown/black/orange f-m SAND, and silt trace gravel (wet)	Fuel oil odor 4.5-5'
7	4	1.2	2 4 3 3	1454	0.0	7		Brown SILT and f-c sand, trace gravel (saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-33

Project name & location	Project number	Date & time started	Date & time completed	
Martin Marietta - Pittsfield	557.003	5/11/93	5/11/93	
Drilling company	Foreman	Sampler(s)	Sampler hammer	Drop
fer Drilling & Testing	Joe Miranda	2" Split Spoon	140#	30"
Equipment	Method	Elevation & datum	Completion depth	Rock depth
Mobile Drill B-57	HSA	RFA Prints : 992+/-	8'	NA
Bit(s)	Core barrel(s)	Inspector(s)	Estimated depth to ground water	
3-1/4" I.D.	NA	Matt Bell	6'	

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.2	8 10 13 15	1620	0.0	23	Fill	Brown/black f-c SAND, and gravel, trace silt (dry)	
2									
3	2	1.8	19 10 17 15	1623	0.0	27		Same as above (moist)	
4									4'
5	3	1.3	6 9 10 9	1628	0.0	19		Brown f-c SAND, little silt, trace gravel (wet)	
6									
7	4	1.2	7 8 8 5	1630	0.0	16		Same as above (saturated) Grades to a gray color at 7.8'	
8									Possible natural at 7.8'
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-34

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/11/93	Date & time completed: 5/11/93
Drilling company: fer Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :991+/-	Completion depth: 16' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.6	2 5 7 9	1702	0.0	12	Fill	Brown f-c SAND, little silt, trace gravel (dry)	
2									
3	2	1.1	13 8 7 8	1704	0.0	15		Brown f-c SAND, some silt, trace gravel (v. moist-wet)	
4									
5	3	0.8	8 6 5 5	1706	0.0	11	Fill	Brown f-c SAND, little silt (wet)	
6									
7	4	1.5	2 3 4 4	1709	0.0	7		Gray/brown/black f-m SAND, some silt trace organics (saturated)	
8									8' Natural below 8'
9	5	2.0	2 3 3 3	1714	0.0	6	PT	PEAT-Dk brown peat/organics, silt (v. moist, medium)	
10									10'
11	6	1.8	3 5 5 5	1717	0.0	10	OL	Dk gray micaceous organic silty clay (wet-saturated, stiff)	
12									
13	7	2.0	1 1 0 1	1723	0.0	1		Same as above	
14									
15	8	2.0	1 0 1 0	1730	0.0	1		Dk gray/brown micaceous organic silty clay little f sand(wet-saturated, very soft)	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-35

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: er Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drill equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 991+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	3 10 19 21	0806	0.0	29	Fill	Brown f-c GRAVEL and f-c sand, trace silt (dry)	
2									
3	2	1.2	22 12 13 12	0808	0.0	25		Same as above	
4									
5	3	1.0	8 10 7 6	0811	0.0	17		Brown f-c SAND, little gravel, little silt (wet)	
6									
7	4	1.2	6 5 6 8	0813	0.0	11		Same as above (wet-saturated)	
8									
9								Boring Completed at 8'	
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-36

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Drilling company: 'er Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Equipment: ..obile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :991+/-	Completion depth: 41' / Rock depth: NA
Hole(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	BNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.7	2 7 8 12	0828	0.0	13	Fill	Brown f-c SAND, little gravel, trace silt(moist)	
2									
3	2	0.8	12 7 6 7	0829	0.0	13		Brown f-c SAND, little silt, trace gravel (moist)	
4									
5	3	0.9	7 5 6 5	0835	0.0	11		Same as above (wet)	
6							Fill		
7	4	2.0	7 7 6 5	0837	0.0	13		Gray/brown f-c SAND, some silt (saturated)	
8									8.5'
9	5	1.8	2 2 1 2	0840	0.0	3		Brown PEAT/organics (v. moist-wet, soft)	
10									
11	6	2.0	P U S H	0857	0.0	NA	PT	Same as above (v moist - wet, soft)	Took Shelby tube from 10'-12.5'
12									
13	7	1.5	3 2 2	0859	0.0	4		Same as above to 13.5'	13.5'
14							OL	Dk gray micaceous organic clayey silt (wet, very soft)	
15	8	1.1	2 2 2 2	0904	0.0	4		Same as above (saturated)	
									End 5/12/93
									Begin 5/13/93

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LOG OF BORING: L-36

DEPTH (ft. below ground)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
- 17							OL		
									17.5'
- 18									
- 19									
- 20	9	0.5	1 1 1 2	1310	0	2	ML	Brown micaceous CLAYEY SILT, some v fine sand (saturated, v. soft)	Continuation of boring on 5/13/93
- 21									
- 22									
									22.5'
- 23									
- 24									
- 25	10	1.1	1 1 2 2	1315	0	3	CL	Dk gray-brown micaceous SILTY CLAY (saturated, soft)	
- 26									
- 27									
									27.5'
- 28									
- 29									
- 30	11	1.0	5 4 4 5	1330	0	8	SP/SM	Gray f-c SAND, trace gravel, trace silt (saturated, loose)	Distinct Odor
- 31									
- 32									
									32.5'
- 33									
- 34									
- 35	12	2.0	5 6 6 7	1340	0	12	SM	Gray f-c SAND, little gravel, little silt (saturated, medium dense)	No Odor
- 36									

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LOG OF BORING: L-36

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/ OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
- 36									
- 37							SM		
- 38									
- 39								Same as above to 39.5'	39.5'
- 40	13	1.2	5 8 10 10	1347	1.5	18	ML	Gray SILT and fine sand (saturated, v. stiff)	Odor
- 41								Boring Completed at 41'	
- 42									
- 43									
- 44									
45									
- 46									
- 47									
- 48									
- 49									
- 50									
- 51									
- 52									
- 53									
- 54									
- 55									

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LOG OF BORING: L-37

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: ...ifer Drilling & Testing	Personnel: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 989.5+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below ground)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	2 5 23 15	1045	0.0	29	Fill	Brown f-c SAND, some gravel, trace silt (dry)	
2									
3	2	1.0	19 8 9 9	1047	0.0	17		Brown f-c SAND, and gravel, little silt (v. moist)	
4									
5	3	0.5	5 7 4 4	1050	0.0	11		Same as above (wet)	
7	4	2.0	3 2 3 4	1052	0.0	5		Brown f-c SAND, and silt (wet-saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-38

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/17/93
Company: Mfer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 989.5+/-	Completion depth: 12' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 7'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/ OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	1.5	2 8 11 25	1102	0.0	19	Fill	Brown f-c GRAVEL, and f-c sand, trace silt(dry)	
2									
3	2	1.3	10 13 14 22	1104	0.0	27		Brown f-c SAND, little gravel, little silt (wet)	
4									
5	3	1.0	14 11 8 5	1107	0.0	19		Same as above	
6									
7	4	1.7	5 4 3 2	1109	0.0	7		Gray brown f-c SAND, little gravel, little silt (wet-saturated)	End 5/12/93 at 8'
8									Begin 5/17/93 at 8'
9	5	0.5	3 1 2 1	1200	0.0	3	PT	Dk brown PEAT (v. moist-wet, soft)	8.5'
10									10'
11	6	1.2	1 2 1 1	1210	0.0	3	PT/OL	Dk gray brown silty organic CLAY interlayered with peat (wet, soft)	
12									12'
								Boring Completed at 12'	
13									
14									
15									
16									

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LOG OF BORING: L-39

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/17/93
Company: ...ler Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 990.5+/-	Completion depth: 12' / Rock depth: NA
I.D.(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	2 R - -	1141	0.0	R	Fill	Topsoil	Refusal at 0.8'-Rocks
2									
3	2	0.6	9 2 2 1	1143	0.0	4		Brown f-m SAND, some silt (moist)	
4									
5	3	0.5	4 3 2 2	1152	0.0	5		Brown f-c SAND, little silt (wet)	
								Same as above	6.5'
7	4	2.0	2 3 2 3	1154	14.3	5	OL	Black/brown organic silty CLAY (wet, medium)	Natural below 6.5' VOC sample 6'-8'
8									8' End 5/12/93
									8' Begin 5/17/93
9	5	1.0	4 4 5 4	1910	0.0	9		Dk gray brown micaceous silty CLAY, trace organics (wet, stiff)	
10									
11	6	1.0	2 2 3 2	1920	0.0	5		Same as above to 11.5'	11.5'
12								Dk gray micaceous clayey SILT, some f sand (saturated, medium)	
								Boring Completed at 12'	
13									
14									
16									

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LOG OF BORING: L-40

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: ...ler Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :991+/-	Completion depth: 46' / Rock depth: NA
I.D.(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.5	2 12 28 38	1200	0.0	40	Fill	Brown f-c GRAVEL and f-c sand, trace silt (dry)	
2									
3	2	0.2	18 20 52 R	1206	0.0	72		Same as above	
4									
5	3	0.3	1 1 2 5	1208	0.0	3	Fill	Brown f-c SAND, little gravel, little clayey silt (saturated)	
7	4	0.0	6 1 9 7	1230	-	10		No Recovery	
8								Gray brown micaceous silty CLAY, little f sand, (wet)	8.5'
9	5	2.0	3 3 4 3	1238	0.0	7	SM	Brown micaceous f SAND, and clayey silt with organics (saturated, loose)	Natural below 8.5'
10									10'
11	6	1.5	1 1 1 1	1240	0.0	2	SP	Gray f-c SAND, trace silt (saturated, loose)	11.5'
12									
13	7	1.3	1 1 1 1	1241	0.0	2	PT/OL	PEAT interlayered with brown silty micaceous organic CLAY (wet, very soft)	
14									
15	8	0.5	1 1 1 1	1247	0.0	2		Same as above	
16									End 5/12/93 16'
									Begin 5/13/93

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LOG OF BORING: L-40

DEPTH (Ft below grade)	SAMPLES No.	Recovery (Feet)	Blows per 6 in.	Time	HNU/ OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
- 17							PT/OL	Same as above	
									17.5'
- 18									
- 19							CL	Gray micaceous silty CLAY (saturated, very soft)	19.5'
- 20	9	2.0	1 1 2 2	1450	0.0	3		Brown PEAT interlayered with brown micaceous organic clayey SILT (v moist , soft)	
- 21									
- 22									
- 23							PT/OL		
- 24									
- 25	10	0.5	3 3 3 3	1455	0.0	6		Same as above (v moist - sat., medium)	
.6									
- 27									
									27.5'
- 28									
- 29									
- 30	11	1.2	1 0 1 1	1506	0.0	1	OL	Gray brown micaceous organic silty CLAY (wet - sat., very soft)	
- 31									
- 32									
- 33									
- 34									
- 35	12	1.9	1 0 0 8	1512	0.0	0		Same as above (wet - sat., very soft)	
									35.5'
- 36							SP	Gray f-c SAND, some f-c gravel, trace silt (sat., loose)	

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LOG OF BORING: L-40

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	BNU/OVA (ppm)	N Value	USCS CLASS	SOIL DESCRIPTION	REMARKS
- 36									
- 37							SP	Same as above - gray f-c SAND, some f-c gravel, trace silt (sat., loose)	
- 38									
									39'
- 39									
- 40	13	0.6	14 7 7 9	1520	0.0	14	SM	Gray brown fine SAND, and clayey silt (sat., medium dense)	
- 41									
- 42									
									42.5'
- 43									
- 44									
- 45	14	0.7	12 12 8 8	1534	0.0	20	SP	Gray f-c SAND, trace silt (saturated, medium dense)	
- 46									
								Boring Completed at 46'	
- 47									
- 48									
- 49									
- 50									
- 51									
- 52									
- 53									
54									
- 55									

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LOG OF BORING: L-41

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 991+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.6	2 11 R -	1300	0.0	13	Fill	Brown f-c GRAVEL, some f-c sand (moist)	
2									
3	2	1.8	13 16 20 21	1305	0.0	36		Brown f-c SAND, some f-c gravel, little silt (moist)	
4									
5	3	1.0	13 16 R -	1310	0.0	R		Brown f-c SAND, some silt, little f gravel (wet)	
7	4	0.0	R - - -	1315	0.0	R		Cobbles/Boulders-No Recovery	Augered to 8' after sampling
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

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LOG OF BORING: L-42

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: ...fer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 991+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 4'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.9	2 10 35 R	1330	0.0	45	Fill	Brown f-c gravel, some f-c sand, little silt (moist)	
2									
3	2	0.0	R	1334	0.0	-		COBBLES/BOULDERS	
4									4' Natural below 4'
5	3	1.0	5 4 3 3	1337	0.0	7	OL	Brown organic silt/CLAY (wet, medium)	
									6'
7	4	1.8	2 2 3 4	1339	0.0	5		Gray organic micaceous CLAY (wet, medium)	
8									
								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
16									

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LOG OF BORING: L-43

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: Eer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints :991+/-	Completion depth: 16' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blow per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	0.6	6 8 9	1407	0.0	14	Fill	Brown f-c SAND, some gravel, little silt (moist)	
2									
3	2	2.0	12 12 14 9	1410	0.0	26		Same as above(v. moist-wet)	
4									
5	3	1.0	6 8 4 6	1413	0.0	12	Fill	Gray brown f-c SAND, some gravel, little silt (wet)	
7	4	1.3	2 2 3 3	1415	0.0	5			7' Natural below 7'
8							OL	Dk gray clayey micaceous organic SILT (wet, medium)	8'
9	5	2.0	1 2 2 1	1418	0.0	4		Mottled organic micaceous silty CLAY and fine sand(wet, soft)	
10									10'
11	6	2.0	2 2 2 2	1420	0.0	4	OL	Gray micaceous clayey SILT, little f sand (saturated, soft)	
12									12'
13	7	2.0	1 0 0 0	1422	0.0	0	SM	Gray micaceous fine sand and silty clay (saturated, very loose)	
14									
15	8	2.0	2 2 3 4	1428	0.0	5		Same as above(saturated, loose)	
16									
								Boring Completed at 16'	

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LOG OF BORING: L-44

Project name & location: Martin Marietta - Pittsfield	Project number: 557.003	Date & time started: 5/12/93	Date & time completed: 5/12/93
Company: ...dfer Drilling & Testing	Foreman: Joe Miranda	Sampler(s): 2" Split Spoon	Sampler hammer: 140# / Drop: 30"
Drilling equipment: Mobile Drill B-57	Method: HSA	Elevation & datum: RFA Prints : 992+/-	Completion depth: 8' / Rock depth: NA
Bit(s): 3-1/4" I.D.	Core barrel(s): NA	Inspector(s): Matt Bell	Estimated depth to ground water: 6.5'

DEPTH (ft below grade)	SAMPLES No.	Recovery (feet)	Blows per 6 in.	Time	HNU/OVA (ppm)	N-Value	USCS Class	SOIL DESCRIPTION	REMARKS
0									
1	1	2.0	3 3 4 7	1500	0.0	7	Fill	Brown f-c SAND, little gravel, little silt (moist)	
2									
3	2	1.0	2 2 4 3	1504	0.0	6		Same as above (v. moist)	
4									
5	3	1.0	5 7 8 7	1509	0.0	15		Same as above (wet) Black tar substance/asphalt at 5.9'	
7	4	0.8	5 4 2 2	1513	0.0	6		Black/brown f-c SAND, little gravel, little silt (saturated)	
8								Boring Completed at 8'	
9									
10									
11									
12									
13									
14									
15									
16									

Appendix 2
Laboratory Data

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-1
AES sample #: 930412AD01
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 04/12/93
Date sample received: 04/12/93
Location: Martin Marietta
composite

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-8240	<250	ug/kg	MT-AJ-18	04/19 93
Bromomethane	EPA-8240	<250	ug/kg	MT-AJ-18	04/19 93
Vinyl Chloride	EPA-8240	<250	ug/kg	MT-AJ-18	04/19 93
Chloroethane	EPA-8240	<250	ug/kg	MT-AJ-18	04/19 93
Methylene Chloride	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Trichlorofluoromethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,1 Dichloroethene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,1 Dichloroethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,2-Dichloroethene Total	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Chloroform	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,2 Dichloroethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,1,1 Trichloroethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Carbon Tetrachloride	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Bromodichloromethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,2 Dichloropropane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
t-1,3 Dichloropropene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Trichloroethene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Benzene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
Dibromochloromethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93
1,1,2 Trichloroethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19 93

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A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-1
AES sample #: 930412AD01
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 04/12/93
Date sample received: 04/12/93
Location: Martin Mariett
composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
2-Chloroethylvinylether	EPA-8240	<250	ug/kg	MT-AJ-18	04/19/9
Bromoform	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/93
1,1,2,2 Tetrachloroethane	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
Tetrachloroethene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
Toluene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
Chlorobenzene	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
Ethylbenzene	EPA-8240	300	ug/kg	MT-AJ-18	04/19/9
ylenes,Total	EPA-8240	<120	ug/kg	MT-AJ-18	04/19/9
1,2,4-Trichlorobenzene	EPA-8021	<20	ug/kg	BW-W-6	04/
PCB-1016	EPA-8080	<1	ug/g	KF-PCB-M13	04/16
PCB-1221	EPA-8080	<1	ug/g	KF-PCB-M13	04/16/9
PCB-1232	EPA-8080	<1	ug/g	KF-PCB-M13	04/16/9
PCB 1242	EPA-8080	<1	ug/g	KF-PCB-M13	04/16/9
PCB-1248	EPA-8080	<1	ug/g	KF-PCB-M13	04/16
PCB-1254	EPA-8080	<1	ug/g	KF-PCB-M13	04/16
PCB-1260	EPA-8080	<1	ug/g	KF-PCB-M13	04/16

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-16(8-10)
AES sample #: 930511AE17
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,2,4-Trichlorobenzene	EPA-8021	<1000	ug/kg	BW	05/28/9
Chloromethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/9
Bromomethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/9
Vinyl Chloride	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/9
Chloroethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/9
Methylene Chloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Trichlorofluoromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,1 Dichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,1 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,2-Dichloroethene Total	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Chloroform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,2 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,1,1 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Carbon Tetrachloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Bromodichloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,2 Dichloropropane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
t-1,3 Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Trichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Benzene	EPA-8240	58,000	ug/kg	MG-AJ-34	05/20/9
Dibromochloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-16(8-10)
AES sample #: 930511AE17
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield MA
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
cis-1,3-Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
2-Chloroethylvinylether	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Bromoform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1,2,2 Tetrachloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Tetrachloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Toluene	EPA-8240	2000	ug/kg	MG-AJ-34	05/20/93
Chlorobenzene	EPA-8240	9000	ug/kg	MG-AJ-34	05/20/93
Ethylbenzene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Xylenes,Total	EPA-8240	<500	ug/kg	MG-AJ-34	05/21/93

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-21(14-16)
AES sample #: 930511AE18
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DAT
1,2,4-Trichlorobenzene	EPA-8021	<1000	ug/kg	BW	05/28/9
Chloromethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/9
Bromomethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/9
Vinyl Chloride	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/9
Chloroethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/9
Methylene Chloride	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Trichlorofluoromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,1 Dichloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,1 Dichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,2-Dichloroethene Total	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Chloroform	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,2 Dichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,1,1 Trichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Carbon Tetrachloride	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Bromodichloromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,2 Dichloropropane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
t-1,3 Dichloropropene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Trichloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Benzene	EPA-8240	1700	ug/kg	MG-AJ-34	05/20/9
Dibromochloromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-21(14-16)
AES sample #: 930511AE18
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
cis-1,3-Dichloropropene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
2-Chloroethylvinylether	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Bromoform	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
1,1,2,2 Tetrachloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Tetrachloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Toluene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Chlorobenzene	EPA-8240	1700	ug/kg	MG-AJ-34	05/20/9
Ethylbenzene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/9
Xylenes,Total	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 9

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-22(0-2)
AES sample #: 930511AE19
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,2,4-Trichlorobenzene	EPA-8021	<1000	ug/kg	BW	05/29/93
Chloromethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Bromomethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Vinyl Chloride	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Chloroethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Methylene Chloride	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Trichlorofluoromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1 Dichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2-Dichloroethene Total	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Chloroform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1,1 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Carbon Tetrachloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Bromodichloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2 Dichloropropane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
t-1,3 Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Trichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Benzene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Dibromochloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-22(0-2)
AES sample #: 930511AE19
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
cis-1,3-Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
2-Chloroethylvinylether	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Bromoform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1,2,2 Tetrachloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Tetrachloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Toluene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Chlorobenzene	EPA-8240	20,000	ug/kg	MG-AJ-34	05/20/93
Ethylbenzene	EPA-8240	4400	ug/kg	MG-AJ-34	05/20/93
Xylenes,Total	EPA-8240	7400	ug/kg	MG-AJ-34	05/20/93

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-23(6-8)
AES sample #: 930511AE20 Samples taken by: Matt Bell
MATRIX: soil

Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,2,4-Trichlorobenzene	EPA-8021	4100	ug/kg	BW	05/2[illegible] 93
Chloromethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/2[illegible]/93
Bromomethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/2[illegible]/93
Vinyl Chloride	EPA-8240	<1000	ug/kg	MG-AJ-34	05/2[illegible]/93
Chloroethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/2[illegible]/93
Methylene Chloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible]/93
Trichlorofluoromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
1,1 Dichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible]/93
1,1 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible]/93
1,2-Dichloroethene Total	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
Chloroform	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
1,2 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
1,1,1 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible]/93
Carbon Tetrachloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
Bromodichloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
1,2 Dichloropropane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
t-1,3 Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
Trichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
Benzene	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93
Dibromochloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/2[illegible] 93

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-23(6-8)
AES sample #: 930511AE20
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
cis-1,3-Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
2-Chloroethylvinylether	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Bromoform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
1,1,2,2 Tetrachloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Tetrachloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/9
Toluene	EPA-8240	3800	ug/kg	MG-AJ-34	05/20/9
Chlorobenzene	EPA-8240	90,000	ug/kg	MG-AJ-34	05/20/9
Ethylbenzene	EPA-8240	2200	ug/kg	MG-AJ-34	05/20/9
Xylenes,Total	EPA-8240	6200	ug/kg	MG-AJ-34	05/20/9

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-24(6-8)
AES sample #: 930511AE21
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,2,4-Trichlorobenzene	EPA-8021	120,000	ug/kg	BW	05/28/93
Chloromethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Bromomethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Vinyl Chloride	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Chloroethane	EPA-8240	<1000	ug/kg	MG-AJ-34	05/20/93
Methylene Chloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Trichlorofluoromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1 Dichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2-Dichloroethene Total	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Chloroform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2 Dichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1,1 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Carbon Tetrachloride	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Bromodichloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,2 Dichloropropane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
t-1,3 Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Trichloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Benzene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Dibromochloromethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93

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CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-24(6-8)
AES sample #: 930511AE21
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
cis-1,3-Dichloropropene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
2-Chloroethylvinylether	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Bromoform	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
1,1,2,2 Tetrachloroethane	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Tetrachloroethene	EPA-8240	<500	ug/kg	MG-AJ-34	05/20/93
Toluene	EPA-8240	26,000	ug/kg	MG-AJ-34	05/20/93
Chlorobenzene	EPA-8240	100,000	ug/kg	MG-AJ-34	05/20/93
Ethylbenzene	EPA-8240	27,000	ug/kg	MG-AJ-34	05/20/93
Xylenes,Total	EPA-8240	88,000	ug/kg	MG-AJ-34	05/20/93

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-29(10-12)
AES sample #: 930511AE22 Samples taken by: Matt Bell
MATRIX: soil

Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield N:
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,2,4-Trichlorobenzene	EPA-8021	<1000	ug/kg	BW	05/2? ??
Chloromethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/??
Bromomethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/??
Vinyl Chloride	EPA-8240	<250	ug/kg	MG-AJ-34	05/20/??
Chloroethane	EPA-8240	<250	ug/kg	MG-AJ-34	05/20 ??
Methylene Chloride	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/??
Trichlorofluoromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
1,1 Dichloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
1,1 Dichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
1,2-Dichloroethene Total	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
Chloroform	EPA-8240	<120	ug/kg	MG-AJ-34	05/2? ??
1,2 Dichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
1,1,1 Trichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
Carbon Tetrachloride	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
Bromodichloromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
1,2 Dichloropropane	EPA-8240	<120	ug/kg	MG-AJ-34	05/2? ??
t-1,3 Dichloropropene	EPA-8240	<120	ug/kg	MG-AJ-34	05/2? ??
Trichloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20 ??
Benzene	EPA-8240	2600	ug/kg	MG-AJ-34	05/2? ??
Dibromochloromethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/2? ??

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

CLIENT: ERM Northeast
CLIENT'S SAMPLE ID: L-29(10-12)
AES sample #: 930511AE22
Samples taken by: Matt Bell
MATRIX: soil
Date Sampled: 05/11/93
Date sample received: 05/11/93
Location: Pittsfield NY
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2 Trichloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
cis-1,3-Dichloropropene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
2-Chloroethylvinylether	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
Bromoform	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
1,1,2,2 Tetrachloroethane	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
Tetrachloroethene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
Toluene	EPA-8240	300	ug/kg	MG-AJ-34	05/20/93
Chlorobenzene	EPA-8240	3900	ug/kg	MG-AJ-34	05/20/93
Ethylbenzene	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93
Xylenes,Total	EPA-8240	<120	ug/kg	MG-AJ-34	05/20/93

APPROVED BY: Terry D. Fike
Report date: 06/01/93

SECTION M7

(M7)

BLASLAND, BOUCK & LEE, INC.

REQUEST FOR SAMPLING

TO: Files
FROM: Bruce Eulian
RE: Plastics Catch Basins and Swale Areas Sampling

DATE: September 12, 1994
FILE NO.: 201.19.04

INITIATOR: Rudy Gagliardi (GE Plastics)

DATE: 8-9-94

LOCATION: Plastics Parking Lots and General Grounds Behind Bldg 51

CONTACT PERSON: Aimee Cole (GE) **EXT:** 2534

ITEM DESCRIPTION:

1.) Sand/Sediment

PURPOSE: To collect samples for GE to determine the proper disposal method of the sand/sediment located in the catch basins and swale areas in GE Plastics Parking Lots and General Grounds Behind Bldg 51.

NOTES: See attached letter from Aimee Cole (GE) to Bruce Eulian (BBL) dated August 9, 1994.

1.) Discrete-grab samples are to be collected and analyzed for PCBs (Method 8080).

2.) GE requests that the samples collected be analyzed at OBG Laboratory, Pittsfield, MA.

jm
September 12, 1994
1904cbss.cov

Au: ist 9, 1994

To Bruce Eulian

Fr: n: A. Cole AC

Re Sampling at Plastics for Compensatory Storage, Catch Basins, Swale Areas

Ba: ed on our meetings with Rudy Gagliardi and Grant Bowman please sample as fo: ows.

Sar le the area at grid location D44 where Plastics will be removing a land- sc: ed mound to provide compensatory storage. Sample the soil at a frequency of sample every 500 square feet. Take discrete samples for PCB at 1 and 4 fo: depth. Take PID readings and if any are above 10 units please take a sir le field composite for VOCs method 8240 and 1,2,4, Trichlorobenzene method 81: . Do not sample the mulching material which covers the area. Don 60 B 6R

Pla tics will also be removing asphalt from the northwest corner of their park- in; lot. No sampling is anticipated here unless it becomes necessary to exca- vat soil in this area.

Ple se take a field composite of the sand/silt found in each of the swale areas lea ing to the pond. A single PCB method 8080 will suffice.

Sar le the sediment and sand in each of the catch basins highlighted on the ac- com anying drawing for PCB method 8080.

All samples may be analyzed at the O'Brien and Gere lab locally and/or the GE lab If you must sample for VOC and 1,2.4, TCB at grid D44, those samples may be nt to O'Brien and Gere in Syracuse for analysis.

Add tion sampling locations for the catch basins in the southeast part of Plas- tic will be determined during a walkthrough.

All sampling should be charged to Plastics as per Grant Bowman. The charge num r is 201.19.04 - Soil Sweepings, for the catch basins. A new task number und 201.19 should be set up for the compensatory storage area sampling.

BLASLAND, BOUCK & LEE, INC.

SAMPLING PROGRAM FIELD SUMMARY

TO: Files
FROM: Bruce Eulian
RE: Plastics Catch asin and Swale Area Sampling

DATE: September 12, 1994
FILE NO.: 201.19.04
cc: Grant Bowman (GE)

The following is a summary of the sampling program conducted 8-17-94 through 9--94 on the sand/sediment lo ated in the catch basins and swale areas in GE Plastics Parking Lots and General Grounds Behind dg 51.

At the rec est of Aimee Cole (GE) the following sampling program was implemented:

- Thirty-s en (37) discrete-grab samples of the sand/sediment from the catch basins were cc ected and analyzed for PCBs (Method 8080).
- One (1) screte-grab sample of the sand/sediment from the swale areas was collected and ana zed for PCBs (Method 8080).

A summary table c the sampling program has been included (Table 1) along with drawings showing the site locations (Figu 1) and sample locations (Figures 2 & 3). Preliminary analytical reports provided by OBG Laboratory c Pittsfield, MA (Attachment 1), and a copy of the chains of custody that accompanied these samples (At chment 2) are also included.

jjh
September 12, 1994
1904cbbb.sum

BLASLAND, BOUCK & LEE, INC.

Plastics Catch Basins and Swale Areas Sampling
(201.19.04)

(Table 1)

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-CB-1	8-17-94	<1.	PL-CB-1	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 10.5")	2
PL-CB-2	8-17-94	-----	PL-CB-2	NO MATERIAL	-----	-----	2
PL-CB-3	8-17-94	150.	PL-CB-3	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 3")	2
PL-CB-3-R1	8-24-94	147.	PL-CB-3	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2.5")	2
PL-CB-4	8-17-94	1.4	PL-CB-4	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 6")	2
PL-CB-5	8-17-94	<1.	PL-CB-5	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 8.5")	2
PL-CB-6	8-17-94	<1.	PL-CB-6	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 8")	2
PL-CB-7	8-17-94	2.9	PL-CB-7	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 10")	2
PL-CB-8	8-17-94	<1.	PL-CB-8	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1')	2
PL-CB-9	8-17-94	2.6	PL-CB-9	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' .5")	2
PL-CB-10	8-17-94	<1.	PL-CB-10	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 4")	2
PL-CB-11	8-17-94	<1.	PL-CB-11	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2' 4")	2
PL-CB-12	8-17-94	<1.	PL-CB-12	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2')	2
PL-CB-13	8-17-94	<1.	PL-CB-13	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 1")	2
PL-CB-14	8-17-94	<1.	PL-CB-14	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2')	2
PL-CB-15	8-17-94	<1.	PL-CB-15	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1')	2
PL-CB-16	8-19-94	<1.	PL-CB-16	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2' 5")	2
PL-CB-17	8-19-94	<1.	PL-CB-17	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 8.5")	2
PL-CB-18	8-24-94	<1.	PL-CB-18	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2' 1")	2
PL-CB-19	8-24-94	<1.	PL-CB-19	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 3")	2
PL-CB-20	8-24-94	<1.	PL-CB-20	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2' 2.5")	2
PL-CB-21	8-29-94	<1.	PL-CB-21	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 10")	2
PL-CB-22	8-29-94	<1.	PL-CB-22	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 4")	2
PL-CB-23	8-25-94	<1.	PL-CB-23	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 5")	2
PL-CB-24	8-25-94	<1.	PL-CB-24	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 11")	2
PL-CB-25	8-29-94	<1.	PL-CB-25	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 10")	2
PL-CB-26	8-29-94	<1.	PL-CB-26	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 4")	2
SWALE-COMP-1	8-23-94	<1.	SW-1 - 3	SAND	DISCRETE-GRAB	(0 - 3")	2

jh
September 12, 1994
1904cbss.tbl

BLASLAND, BOUCK & LEE, INC.

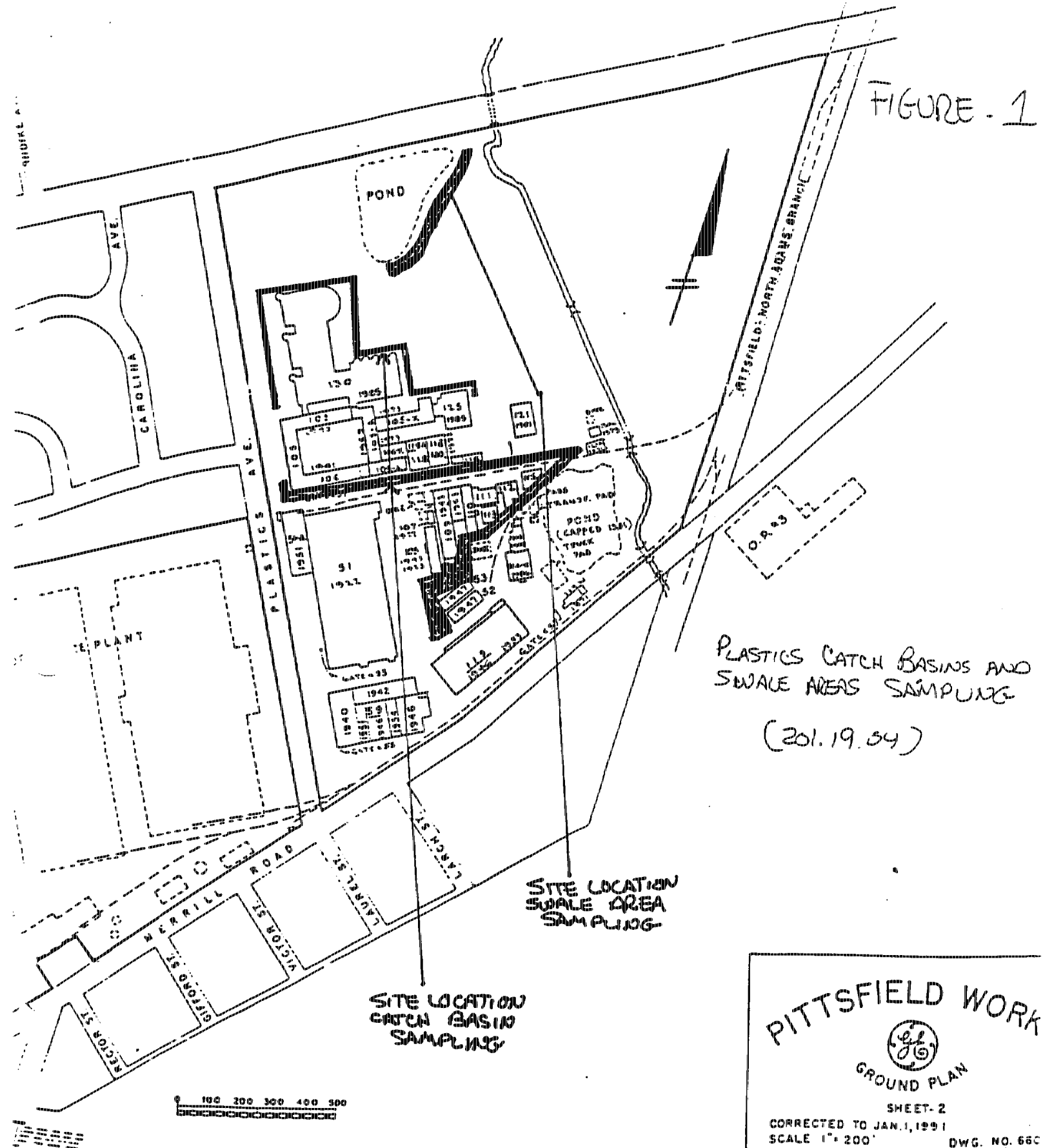
Plastics Catch Basins and Swale Areas Sampling
(201.19.04)

(Table 1 cont)

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-CB-27	9-6-94	-----	PL-CB-27	NO MATERIAL	-----	-----	3
PL-CB-28	9-6-94	1.5	PL-CB-28	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 9")	3
PL-CB-29	9-6-94	1.1	PL-CB-29	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2.5")	3
PL-CB-30	9-6-94	<1.	PL-CB-30	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 8")	3
PL-CB-31	9-6-94	<1.	PL-CB-31	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 4")	3
PL-CB-32	9-6-94	<1.	PL-CB-32	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 5")	3
PL-CB-33	9-6-94	2.4	PL-CB-33	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1")	3
PL-CB-34	9-8-94	-----	PL-CB-34	SANITARY SEWER	-----	-----	3
PL-CB-35	9-8-94	-----	PL-CB-35	NO MATERIAL	-----	-----	3
PL-CB-36	9-7-94	2.4	PL-CB-36	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 6")	3
PL-CB-37	9-8-94	<1.	PL-CB-37	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 6")	3
PL-CB-38	9-8-94	<1.	PL-CB-38	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 1' 5")	3
PL-CB-39	9-8-94	<1.	PL-CB-39	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 5")	3
PL-CB-40	9-8-94	9.0	PL-CB-40	SAND / SEDIMENT	DISCRETE-GRAB	(0 - 2' 10")	3

jh
September 12, 1994
1904cbsa.tbl

FIGURE - 1



PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING

(201.19.54)

PITTSFIELD WORK

GROUND PLAN

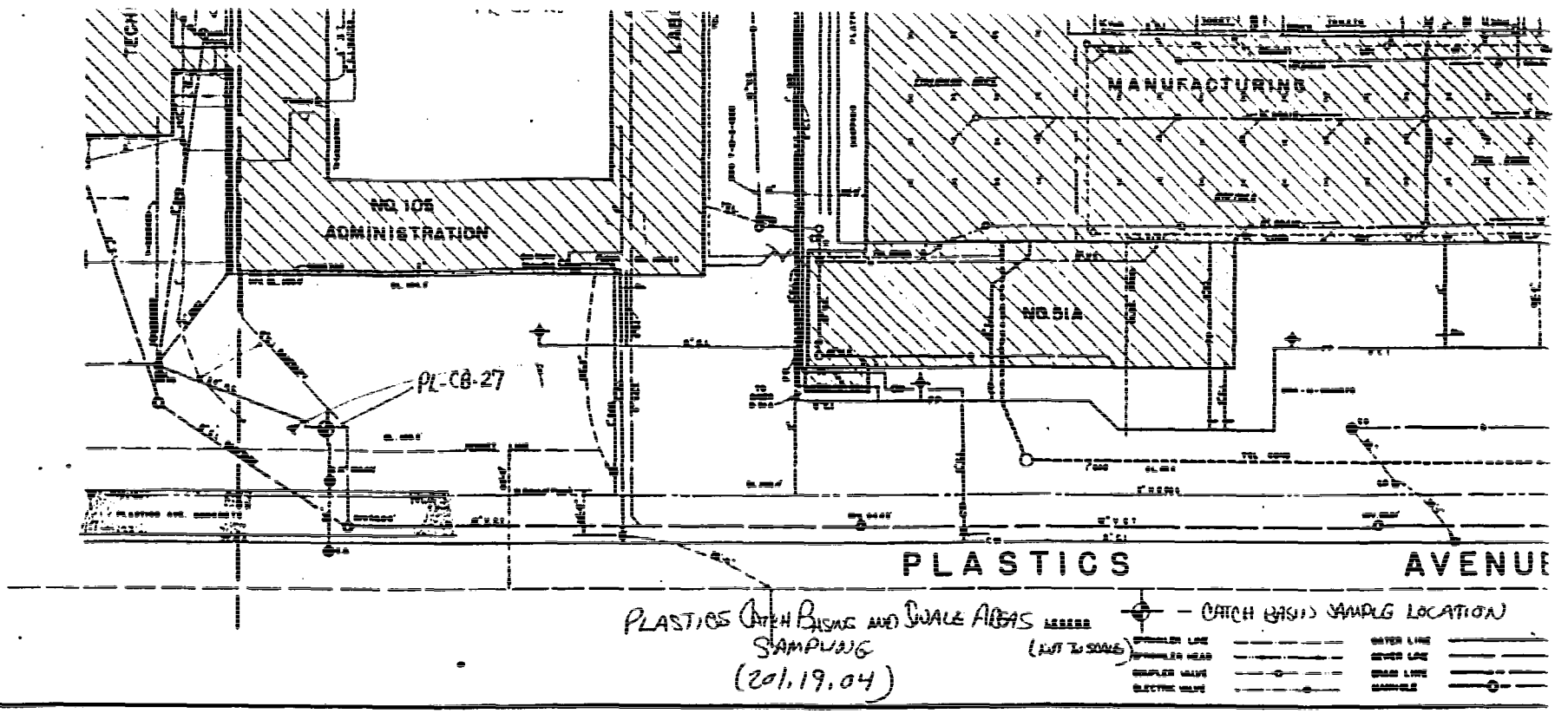
SHEET-2

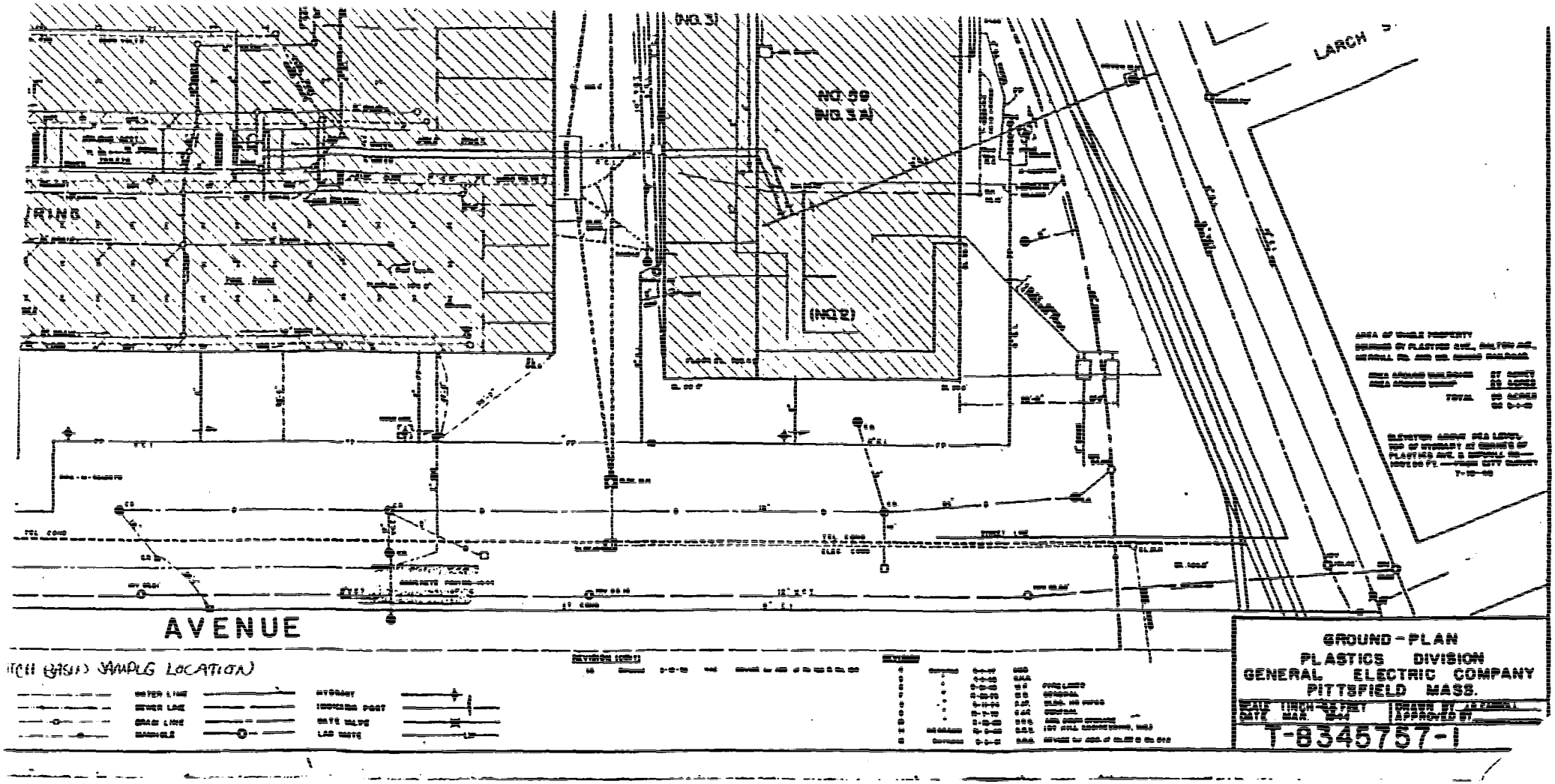
CORRECTED TO JAN. 1, 1991

SCALE 1" = 200'

DWG. NO. 660

APPROVED W. Cote 1/5/91


TECH
NO. 105
ADMINISTRATION
MANUFACTURING
NO. 51A
PL-CB-27
PLASTICS
AVENUE
PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING
(201.19.04)
(NOT TO SCALE)
- CATCH BASIN SAMPLE LOCATION
WATER LINE
SEWER LINE
GAS LINE


(NO. 3)
NO. 39
NO. 32
(NO. 2)
LARCH
RING
AVENUE
GROUND - PLAN
PLASTICS DIVISION
GENERAL ELECTRIC COMPANY
PITTSFIELD MASS.
T-8345757-1

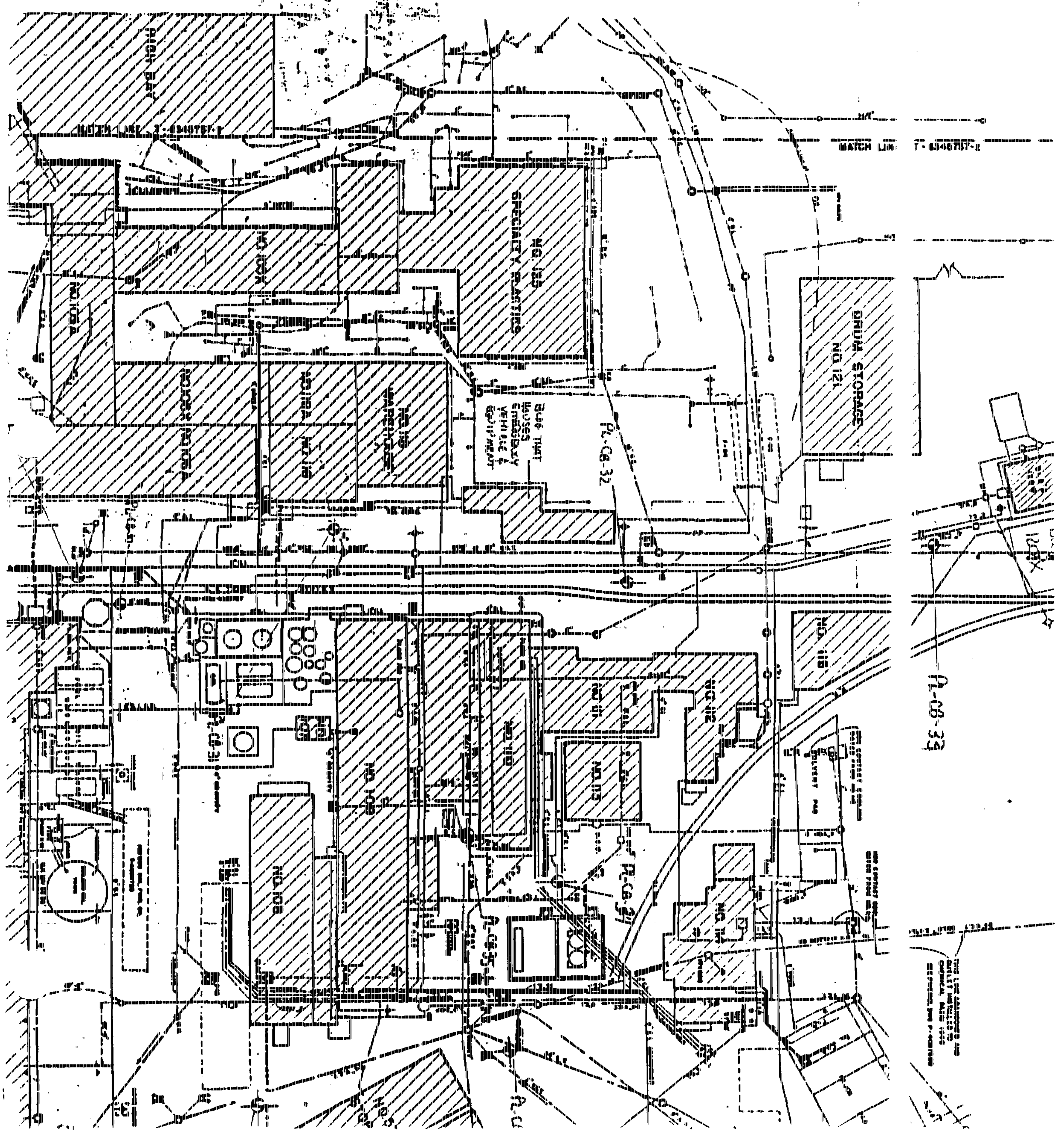
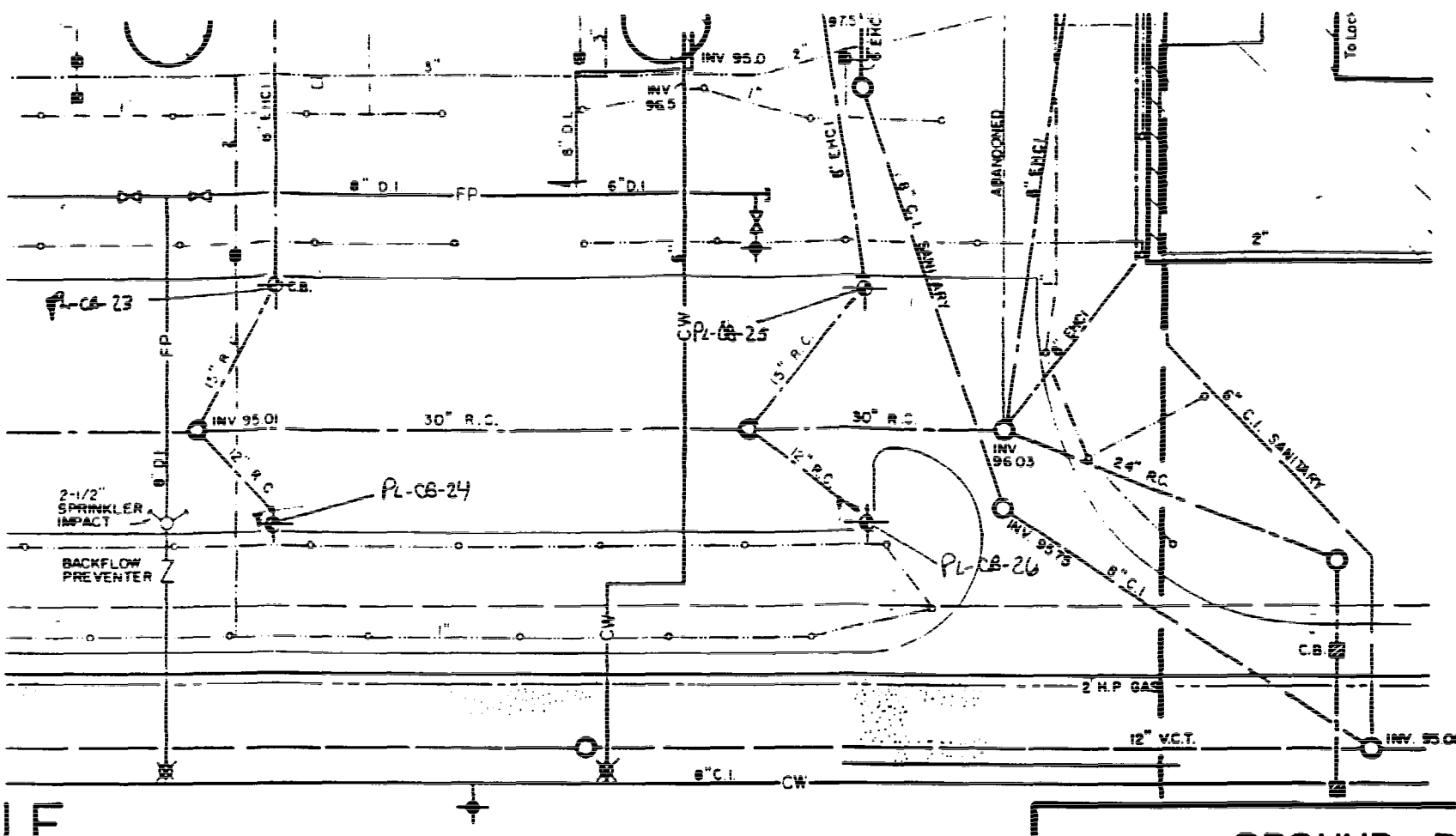

HIGH BAY
MATCH LINE T-6348757-1
MATCH LINE T-6348757-2
NO 125
SPECIALTY PLASTICS
DRUM STORAGE
NO 121
PL-C8-32
PL-C8-33
PL-C8-31
PL-C8-35
NO 115
NO 111
NO 112
NO 113
NO 108

Figure 3

FIGURE #2



PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING
(201.19.04)

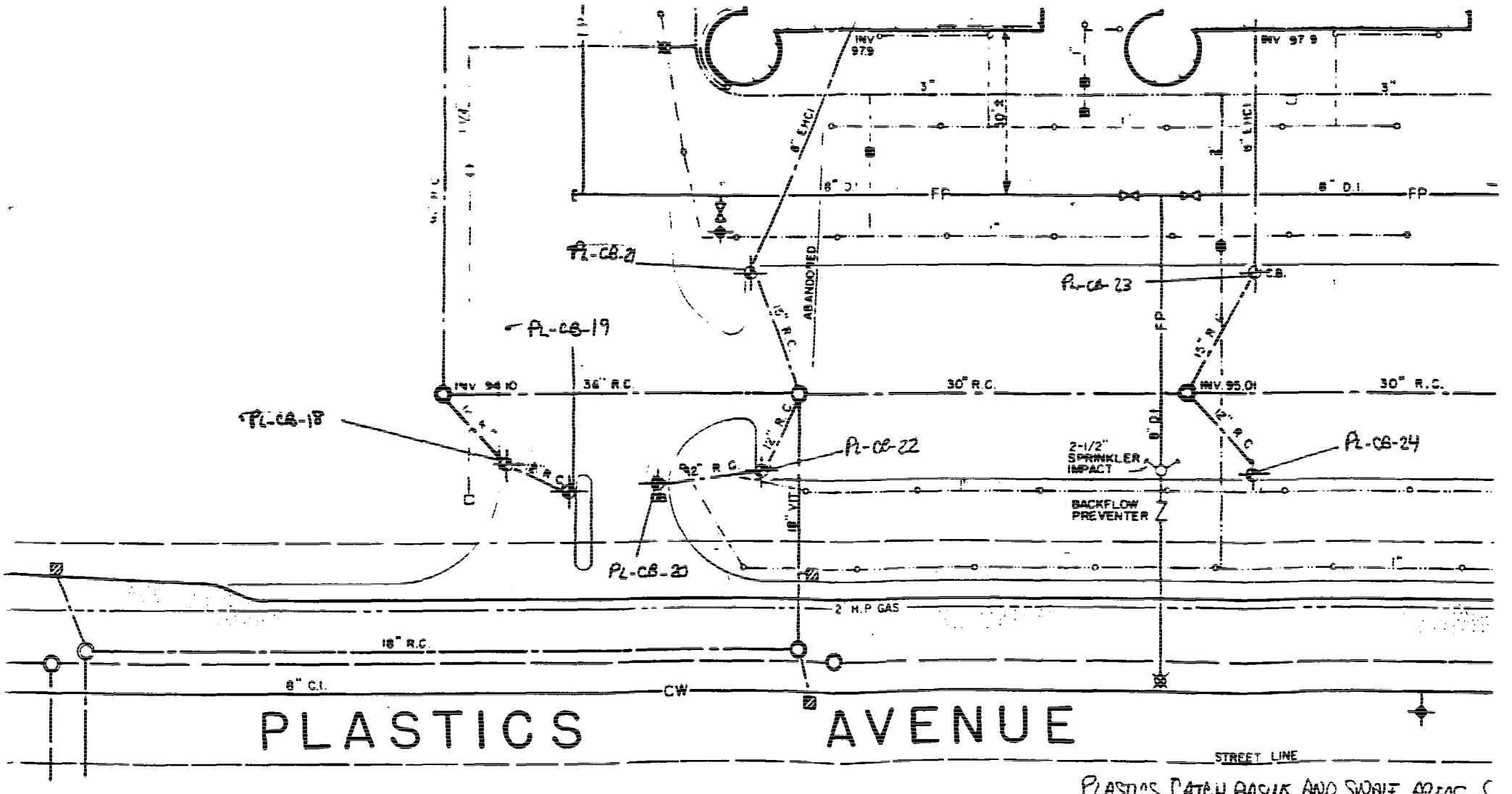
LEGEND

⊕ – CATCH BASIN SAMPLE LOCATION

GROUND – PLAN
PLASTICS DIVISION
GENERAL ELECTRIC COMPANY
PITTSFIELD MASS.

SCALE 1 INCH = 32 FEET | DRAWN BY K.A. CONSOLAT
DATE MARCH 1985 | APPROVED BY

T-8345757-2

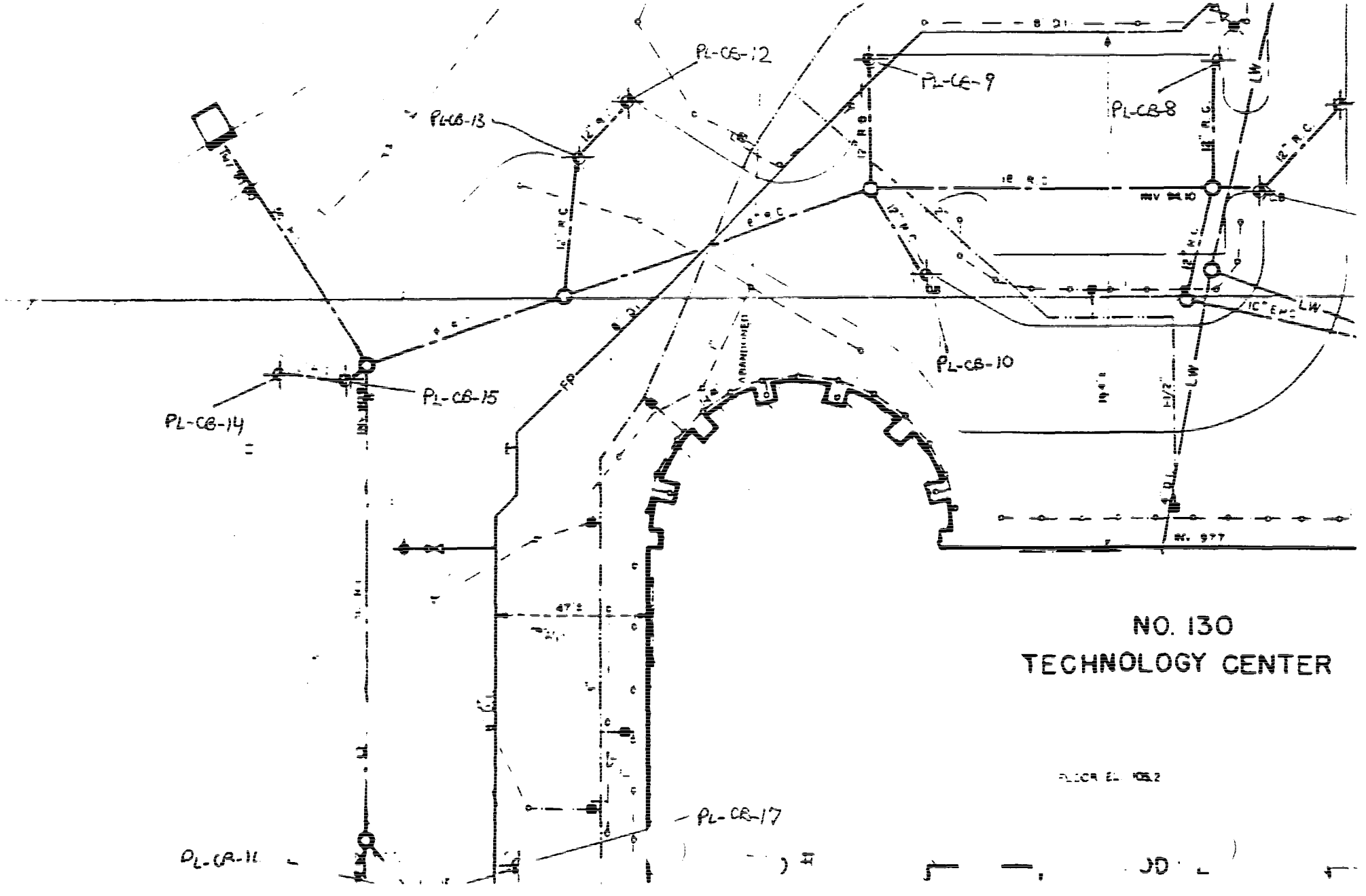


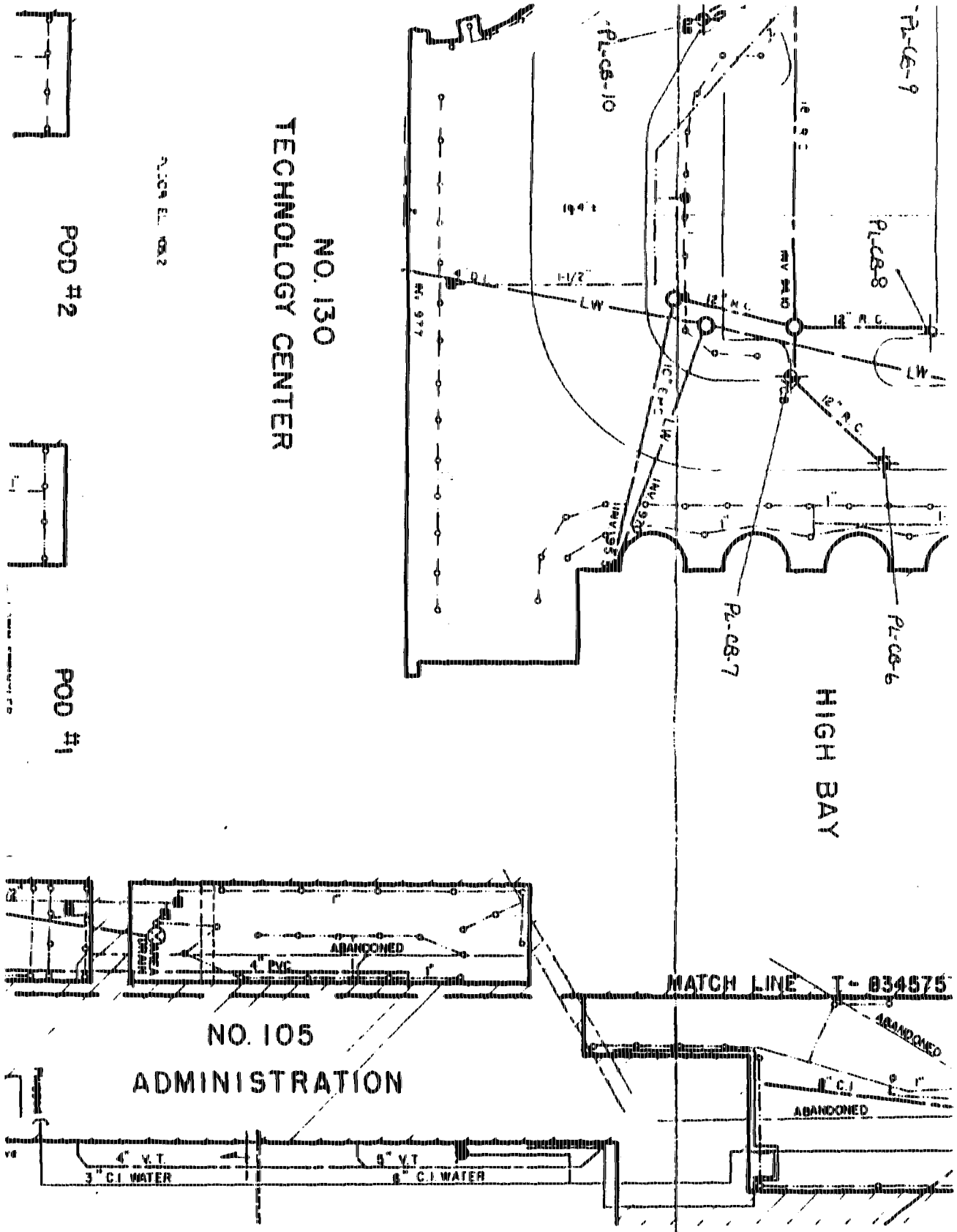
PLASTICS CATCH BASINS AND SWALE AREAS
(201.19.04)

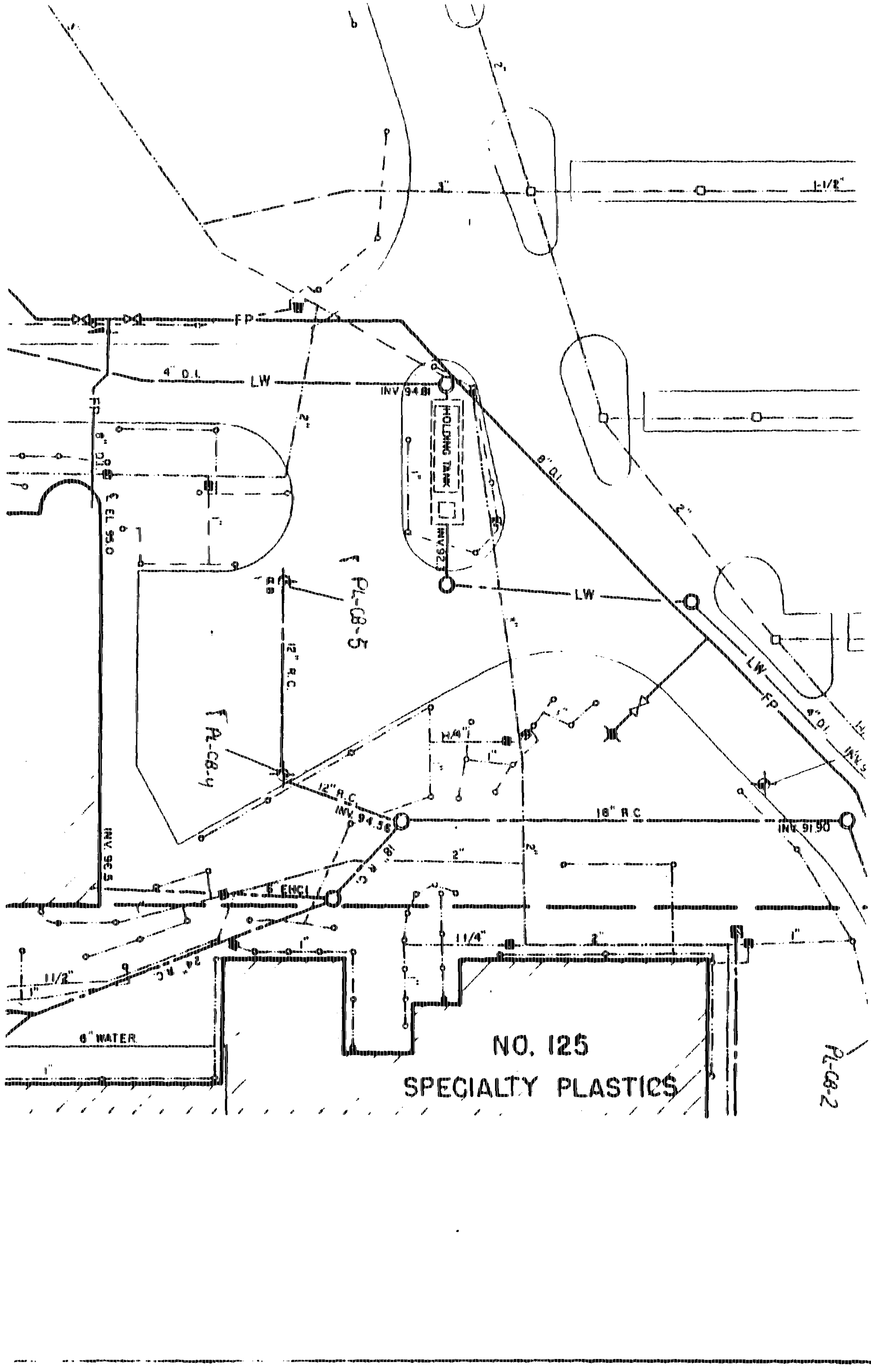
LEGEND

- CATCH BASIN SAMPLE LO

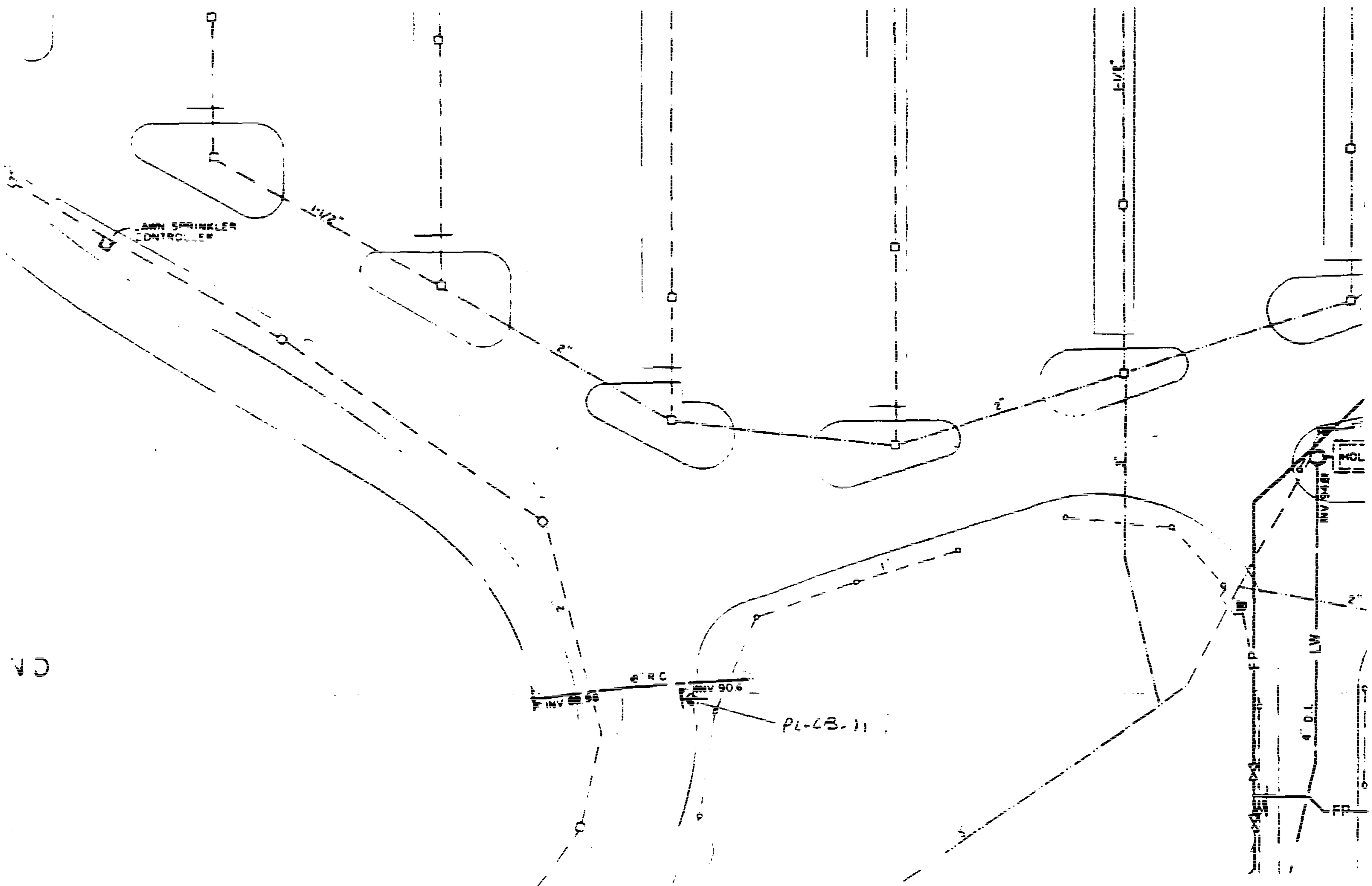
WATER LINE
SEWER LINE
LAB WASTE
DRAIN LINE
LW
MANHOLE
HYDRANT
INDICATOR POST
GATE VALVE


PL-CB-12
PL-CB-13
PL-CE-9
PL-CB-8
PL-CB-10
PL-CB-15
PL-CB-14
PL-CB-17
PL-CB-11
NO. 130
TECHNOLOGY CENTER

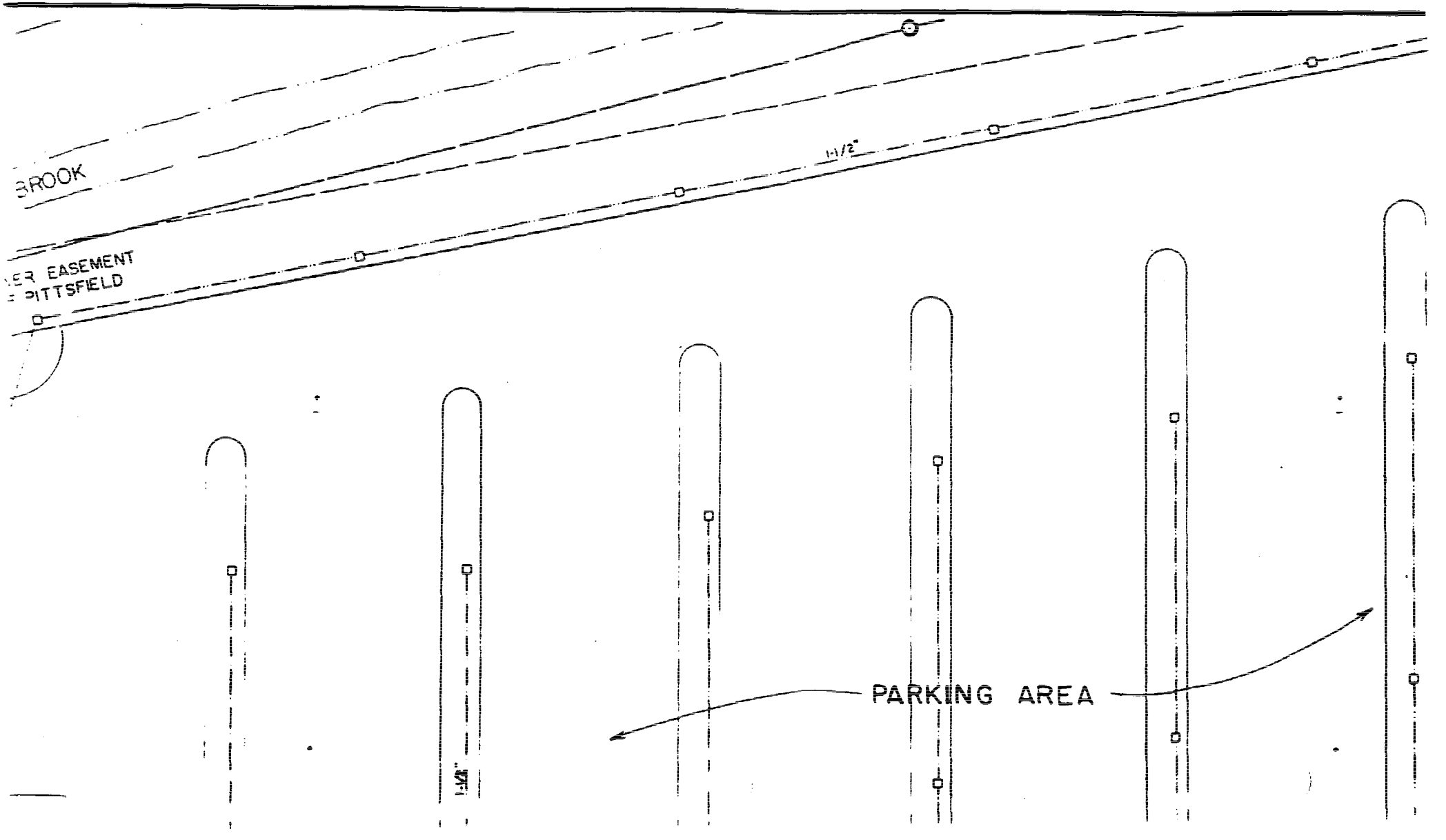

POD #2
POD #1
NO. 130
TECHNOLOGY CENTER
PL-C8-10
PL-C8-9
PL-C8-8
PL-C8-7
PL-C8-6
LW
HIGH BAY
ABANDONED
4" PVC
MATCH LINE T-834575
NO. 105
ADMINISTRATION
4" V.T.
3" C.I. WATER
8" V.T.
8" C.I. WATER
ABANDONED
ABANDONED

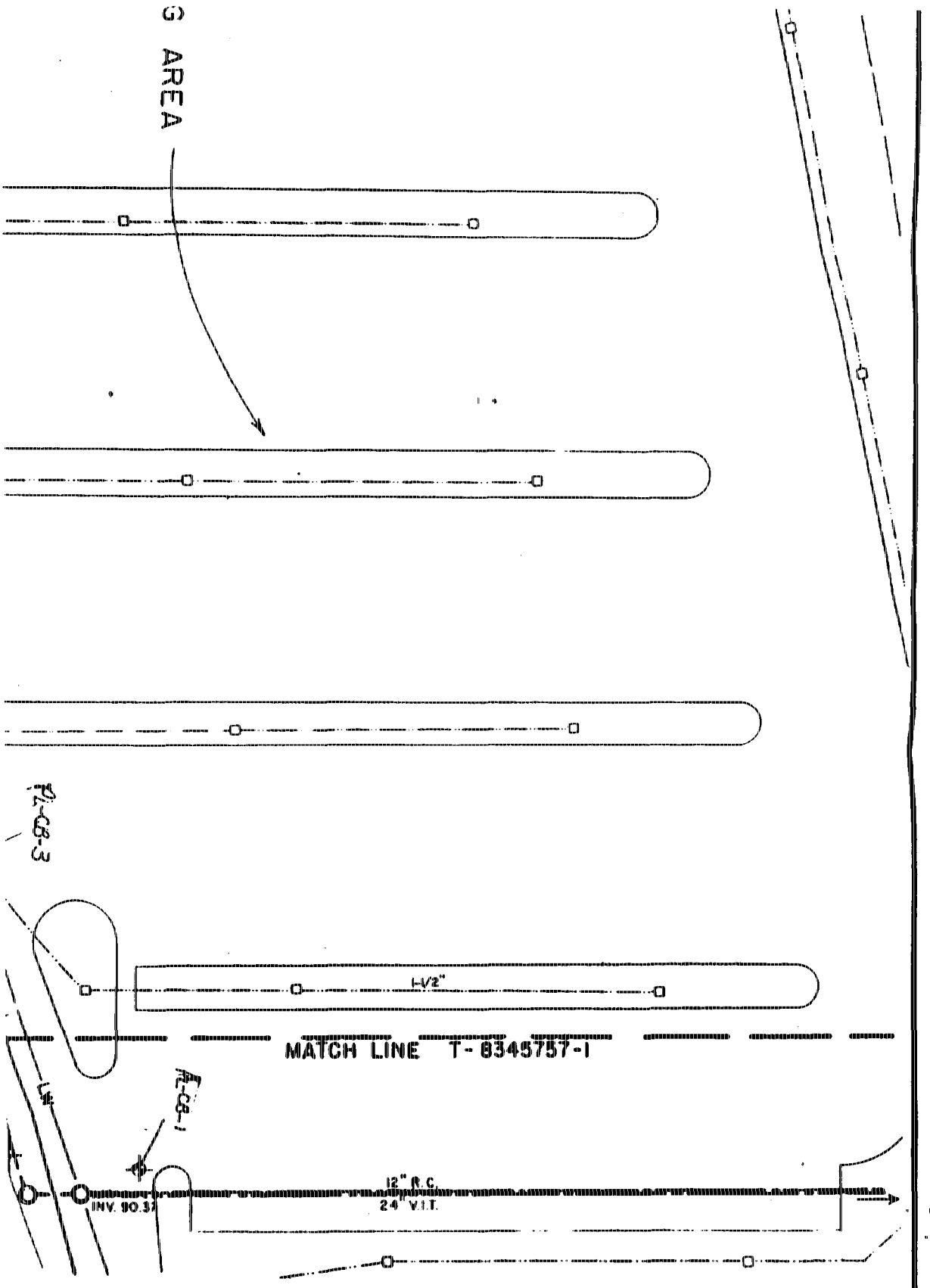


HOLDING TANK
INV 94.81
INV 92.6
4" D.I.
LW
FP
8" D.I.
2"
1"
1-1/2"
EL 95.0
INV 96.5
PL-C8-5
PL-C8-4
PL-C8-2
12" R.C.
INV 94.38
18" R.C.
INV 91.90
6" ENCL
24" R.C.
6" WATER
1 1/2"
1 1/4"
NO. 125
SPECIALTY PLASTICS



LAWN SPRINKLER CONTROLLER
1-1/2"
2"
2"
1-1/2"
3"
2"
1"
6" R C
INV 90.6
PL-CB-11
FP
LW
4" D.I.
INV 94.8
HOL
FP


BROOK
ER EASEMENT
PITTSFIELD
1-1/2"
PARKING AREA


AREA
P-CB-3
1-1/2"
MATCH LINE T-8345757-1
P-CB-1
12" R.C.
24" V.I.T.
INV. 90.37

Attachment 1

OBG LABORATORIES, INC.

5306

PRELIMINARY

AUG 2 3 1994

Laborator Repor

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201·9·04

Plastics Catch Basin and Swale Areas Sampling

Date Analyzed 8/18/94 DATE COLLECTED See Below DATE RECEIVED 8/18/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-CB-1	8/19/94	8/17/94	<1 (.72)	76	<1 (.94)	Soil	A
CB-3			118	79	150		
CB-4			1.1	92 77	1.4		
CB-5			<1 (.57)	69	<1 (.82)		
CB-6			<1 (.40)	79	<1 (.51)		
CB-7			2.2	76	2.9		
CB-8			<1 (.47)	74	<1 (.64)		
CB-9			2.1	79	2.6		
CB-10			<1 (.48)	74	<1 (.65)		
CB-11			<1 (.32)	70	<1 (.45)		
CB-12			<1 (.33)	74	<1 (.45)		
1 Reagent Blank 081994-1					<1		
Reference Sample 081494-1					22/30 · 75%		
Matrix Spike PL-CB-9					9.5/3 · 318%		
Matrix Spike Duplicate					9.0/3 · 300%		
Precision			9.5 vs 9.0 = 5.8% RPD				

Comments:

Certification No.: NY034

Units: mg/Kg = ppm (Dry Wt)

OBG Laboratories, Inc., an O'Brien & Gere Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Authorized: _____

Date: _____

OBG LABORATORIES, INC.

3509 SUMMARY

AUG 2 3 1994

Laborato Repc

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201 '19 '04

Plastics Catch Basin and Swale Areas Sampling

Date Analyzed 8/18/94 DATE COLLECTED See Below DATE RECEIVED 8/18/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESUL
PL-CB-13	8/18/94	8/17/94	<1 (.66)	74	<1 (.89)	Soil	A
CB-14			<1 (.34)	80	<1 (.42)		
CB-15			<1 (.54)	81	<1 (.67)		
A Reagent Blank 081994-1					<1		
Reference Sample 081994-1					23/30 = 75%		
Matrix Spike PL-CB-9					9.5/3 = 318%		
Matrix Spike Duplicate					9.0/3 = 300%		
Precision			9.5 vs	9.0 = 5.8% RPD			

Comments:

Certification No.: NY034

Units: mg/kg = ppm (Dry Wt)

Authorized:

Date:

5508

PRELIMINARY

AUG 2 4 1994

OBG LABORATORIES, INC.

Laborator Repo

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201-19-04

Plastics Caton Basin and Swales Areas Sampling

Date Analyzed 8/24/94 DATE COLLECTED See Below DATE RECEIVED 8/22/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-CB-16	8/23/94	8/19/94	<1 (.09)	82%	<1 (.12)	Soil	A
PL-CB-17	8/23/94	↓	<1 (.10)	83%	<1 (.12)	↓	↓
A. Reagent Blank 082394-1					<1		
Reference Sample 082394-1					24/30 = 75%		
Matrix Spike					1.9/3 = 63%		
Matrix Spike Duplicate					1.9/3 = 63%		
Precision			1.9 vs.	1.9 = 0%	RPD		

Comments:

Certification No.: NY034

Units: mg/Kg = ppm (Dry Wt)

Authorized:

Date:

551C

OBG LABORATORIES, INC.

PRELIMINARY

AUG 2 5 1994

Laborator Repor

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.04

Plastics Catch Basin and Swale Areas Sampling

Date Analyzed 8/24/94 DATE COLLECTED See Below DATE RECEIVED 8/23/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
Swale-Comp-1	8/24/94	8/23/94	<1 (.18)	81%	<1 (.22)	Soil	A
A. Reagent Blank	082494-1				<1		
Reference Sample	082494-1				1-3/5 = 75%		
Matrix Spike					1-3/5 = 57%		
Matrix Spike Duplicate					1-3/5 = 61%		
Precision			1.7 vs 1.8 : 7%		RPD		

Comments:

Certification No.: NY034

Units: mg/Kg = ppm (Dry Wt)

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY

AUG 2 6 1994

Laborato Repc

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.04

Plastics Catch Basins and Swale Areas Sampling

Date Analyzed 8/26/94 DATE COLLECTED See Below DATE RECEIVED 8/24/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESUL
PL-CB-20	8/25/94	8/24/94	<1 (.21)	80%	<1 (.26)	Soil	A
CB-18			<1 (.13)	72%	<1 (.18)		
CB-19			<1 (.07)	65%	<1 (.10)		
CB-3-R1			118	80%	147		
A Reagent Blank GR2594-1					<1		
Reference Sample GR2594-1					2.4/3 = 80%		
Matrix Spike PL-CB-20					2.1/3 = 69%		
Matrix Spike Duplicate					2.0/3 = 67%		
Precision			2.1 vs 2.0 =	7%	RPD		

Comments:

Certification No.: NY034

Units: mg/Kg = ppm (Dry Wt.)

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
SSR
AUG 2 6 1994

Laborato Repc

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201-19-04

Plastics Catch Basins and Swale Areas Sampling

Date Analyzed 9/26/94 DATE COLLECTED See Below DATE RECEIVED 8/25/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESU
PL-CB-24	8/25/94	8/25/94	<1 (.19)	69%	<1 (.28)	Soil	A
PL-CB-23	↓	↓	<1 (.14)	81%	<1 (.18)	↓	↓
A Reagent Blank 082594-2					<1		
Reference Sample 082594-2					1-T/B: 57%		
Matrix Spike PL-CB-23					2-T/B: 68%		
Matrix Spike Duplicate					2-T/B: 67%		
Precision			2.0 vs 2.0 : 2% RPD				

Comments:

Certification No.: NY034

Units: mg/kg = ppm (Dry Wt)

Authorized:

OBG LABORATORIES, INC.

5518

PRELIMINARY

AUG 3 1 1994

Laborator Repor

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.04

PLASTICS CATCH BASINS AND SWALES SAMPLING

Date Analyzed 8/31/94 DATE COLLECTED See Below DATE RECEIVED 8/29/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-CB-22	8/30/94	8/29/94	<1 (.08)	81	<1 (.10)	Soil	A
CB-21	↓	↓	<1 (.08)	77	<1 (.10)	↓	↓
CB-26			<1 (.19)	77	<1 (.24)		
CB-25			<1 (.07)	66	<1 (.10)		
A Reagent Blank OR30994-1					<1		
Reference Sample OR30994-1					2⅓·72%		
Matrix Spike PL-CB-22					1⅞·57%		
Matrix Spike Duplicate					1⅞·59%		
Precision			1.7 vs 1.8 = 6%		RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

5521

PRELIMINARY

SEP 8 199

Laboratc Repc

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 701.19.04

PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING

Date Analyzed 9/8/94 DATE COLLECTED See Below DATE RECEIVED 9/2/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESU
PL-CB-28	9/8/94	9/1/94	1.2	79	1.5	SAND/SEDIMENT	A
-29			1.0	91	1.1		
-30			<1 (.43)	87	<1 (.56)		
-31			<1 (.12)	81	<1 (.15)		
-32			<1 (.17)	78	<1 (.22)		
-33			1.9	77	2.4		
A. Reagent Blank 090794-1					<1		
Reference Sample 090794-1					2.4/3.5 = 69%		
MATRIX SPIKE PL-CB-30					2.6/3 = 88%		
MATRIX SPIKE DUPLICATE					2.7/3 = 90%		
PRECISION			2.6 vs 2.7 = 2		% RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized: _____

OBG LABORATORIES, INC.

PRELIMINARY
SEP 8 1994

Laboratory Report

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.04

PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING

Date Analyzed 9/8/94 DATE COLLECTED See Below DATE RECEIVED 9/7/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-CB-36	9/7/94	9/7/94	1.9	79	2.4	SAND/SEDIMENT	A
A Reagent Blank 090794-1					<1		
REFERENCE SAMPLE 090794-1					1st: 69%		
MATRIX SPIKE PL-CB-36					2nd: 88%		
MATRIX SPIKE DUPLICATE					2nd: 90%		
PRECISION			2.6 vs	2.7 = 2%	PPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
3826
SEP 12 1994

Laboratory Repor

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.04

PLASTICS CATCH BASINS AND SWALE AREAS SAMPLING

Date Analyzed 9/12/94 DATE COLLECTED See Below DATE RECEIVED 9/8/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-CB-39	9/8/94	9/8/94	<1 (.30)	73	<1 (.41)	SANDY SEDIMENT	A
-40			7.4	82	9.0		
-69			<1 (.27)	88	<1 (.32)		
-38			<1 (.40)	67	<1 (.66)		
1 Reagent Blank 090994-2					<1		
Reference Sample 090994-2					2.0/3.0 67%		
MATRIX SPIKE PL-CB-39					20/30 67%		
MATRIX SPIKE DUPLICATE					20/30 67%		
Precision			2.0 vs 2.0	0.0%	RPD		

Comments:

Certification No.: NY034

Units: mg/kg - ppm

Authorized:

Date:

Attachment 2

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.19.04	PUSTICS CATCH BASIN AND SWALE AREAS SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)	REMARKS
PL-CB-1	SAND/SEDIMENT	8/17/94	0845		X	X			1	X	
PL-CB-3	SAND/SEDIMENT	8/17/94	0930		X	X			1	X	
PL-CB-4	SAND/SEDIMENT	8/17/94	1000		X	X			1	X	
PL-CB-5	SAND/SEDIMENT	8/17/94	1015		X	X			1	X	
PL-CB-6	SAND/SEDIMENT	8/17/94	1045		X	X			1	X	
PL-CB-7	SAND/SEDIMENT	8/17/94	1100		X	X			1	X	
PL-CB-8	SAND/SEDIMENT	8/17/94	1115		X	X			1	X	
PL-CB-10	SAND/SEDIMENT	8/17/94	1130		X	X			1	X	
PL-CB-9	SAND/SEDIMENT	8/17/94	1315		X	X			1	X	
PL-CB-12	SAND/SEDIMENT	8/17/94	1330		X	X			1	X	
PL-CB-13	SAND/SEDIMENT	8/17/94	1400		X	X			1	X	
PL-CB-11	SAND/SEDIMENT	8/17/94	1430		X	X			1	X	
PL-CB-14	SAND/SEDIMENT	8/17/94	1450		X	X			1	X	
PL-CB-15	SAND/SEDIMENT	8/17/94	1510		X	X			1	X	

SAMPLED BY: (SIGNATURE)	DATE/TIME: 8/17/94 1510	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME: 8-18-94 0725
RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME:	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME: 8-18-94 1730
RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME:	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME: 8/18/94 0725	REMARKS: DELIVERED TO PITTSFIELD QBG LAB

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
20119.04	PLASTICS CATCH BASINS AND SURFACE AREAS SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)	REMARKS
PL-CB-17	SAND/ SEDIMENT	8/19/14	1345		X	X			1	X	
PL-CB-16	SAND/ SEDIMENT	8/19/14	1400		X	X			1	X	

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	8/19/14 1400			8/19/14 1425	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
			8/19/14 1425	DELIVERED TO PITTSFIELD B&L LAB	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.19.04	Plastics Catch Basins and Swale Areas Sampling

LAB ID	CUSTODY-TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
SWALE-COMP-1		8/23/4	1430		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	8/23/94 1430		[signature]	8/23/94 1415	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
		[signature]	1/13/4 1115	DELIVERED TO PITTSFIELD OBG LABS

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.M.01	Plastics Canal Bank and Swale Areas Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
K-CB-20	Swale Sediment	5-21-91	1315		X	X			1	X					
K-CB-18	Swale Sediment	5-21-91	1345		X	X			1	X					
K-CB-19	Swale Sediment	5-21-91	1400		X	X			1	X					
K-CB-3-101	Swale Sediment	5-21-91	1430		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	5-21-91 1430			5/24/91 1400	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
			5/24/91 1400	DELIVERED TO PITTSFIELD OFFICE UPS	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.19.04	PLASTICS CATCH BASIN AND SANDLE AREAS SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (EPA 8080)						REMARKS
PL-CB-24	SAND/SEDIMENT	8/25/94	1015		X	X			1	X						
PL-CB-23	SAND/SEDIMENT	8/25/94	0845		X	X			1	X						

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	8/25/94 0845		[signature]	8/25/94 1000	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		[signature]	8/25/94 1000	DELIVERED TO PITTSFIELD GE LABORATORY	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO: 201.19.04
PROJECT NAME: PLASTICS CATCH BASINS AND SURFACE AREAS SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8082)					REMARKS
R-CB-22	SAND/SEDIMENT	8-28-94	1115		X	X			1	X					
R-CB-21	SAND/SEDIMENT	8-29-94	1145		X	X			1	X					
R-CB-26	SAND/SEDIMENT	8-29-94	1200		X	X			1	X					
R-CB-25	SAND/SEDIMENT	8-29-94	1215		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME: 8-29-94 1215	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME: 8-29-94 1510
RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME
RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME: 8/29/94 1510	REMARKS: DELIVERED TO PITTSFIELD BBG LABORATORY

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2811.19.04
PROJECT NAME: PLASTICS CATCH BASINS AND SURGE AREAS SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (Method 8082)					REMARKS
PL-CB-28	SAND/SEDIMENT	9-6-94	1300		X	X			1	X					
PL-CB-29	SAND/SEDIMENT	9-6-94	1315		X	X			1	X					
PL-CB-30	SAND/SEDIMENT	9694	1345		X	X			1	X					
PL-CB-31	SAND/SEDIMENT	9694	1430		X	X			1	X					
PL-CB-32	SAND/SEDIMENT	9694	1445		X	X			1	X					
PL-CB-33	SAND/SEDIMENT	9694	1500		X	X			1	X					

SAMPLED BY: (SIGNATURE) [signature]	DATE/TIME 9694 1500	RECEIVED BY: (SIGNATURE) [signature]	RELINQUISHED BY: (SIGNATURE) [signature]	DATE/TIME 9/6/94 1900 — RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME — RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) [signature]	DATE/TIME 9/7/94 0800	REMARKS: DELIVERED TO PITTSFIELD OBG LAB

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
20119.04	Plastics Cloth Baking and Swale Areas Sampling

LAB ID	CUSTODY SEAL NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8082)					REMARKS
PL-GB-36	SAND/SWALE	7-7-94	1030		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
[signature]	7-7-94 1030		[signature]	7-7-94 1130	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		[signature]	7/7/94 1130	DELIVERED TO PITTSFIELD BBL LAB	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.04	Plastics Catch Basins and Swale Areas Samplings

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (Aroclors 1016/1260)					REMARKS
PL-CB-37	SAND/SEDIMENT	7-8-94	1015		X	X			1	X					
PL-CB-40	SAND/SEDIMENT	7-8-94	1030		X	X			1	X					
PL-CB-39	SAND/SEDIMENT	7-8-94	1045		X	X			1	X					
PL-CB-38	SAND/SEDIMENT	7-8-94	1100		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	7-8-94 1100		[signature]	7/8/94 1125	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		[signature]	7/8/94 1125	DELIVERED TO PITTSFIELD ABC LAB	

SECTION M8

M8

BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)
(Table 1)

FENCE LINE SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-NSF-C1	10-7-94	2.8	NSF-1	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C2	10-11-94	200.	NSF-2	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C3	10-11-94	600.	NSF-3	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C4	10-11-94	120.	NSF-4	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C5	10-11-94	760.	NSF-5	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C6	10-11-94	530.	NSF-6	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C7	10-11-94	1100.	NSF-7	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2' 6")	2
PL-NSF-C8	10-12-94	630.	NSF-8	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2' 8")	2
PL-NSF-C9	10-12-94	590.	NSF-9	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C10	10-12-94	84.	NSF-10	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C11	10-12-94	73.	NSF-11	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C12	10-12-94	190.	NSF-12	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C13	10-12-94	240.	NSF-13	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C14	10-12-94	440.	NSF-14	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C15	10-28-94	8.1	NSF-15	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C16	10-28-94	12.	NSF-16	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C17	10-28-94	7.3	NSF-17	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C18	10-31-94	5.0	NSF-18	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C19	10-31-94	5.1	NSF-19	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C20	11-7-94	11.	NSF-20	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C21	11-7-94	27.	NSF-21	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C22	11-7-94	29.	NSF-22	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C23	11-7-94	25.	NSF-23	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C24	11-7-94	8.6	NSF-24	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C25	11-7-94	8.6	NSF-25	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C26	11-7-94	1.7	NSF-26	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C27	11-7-94	<1.	NSF-27	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2

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December 1, 1994
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BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)
(Table 1)

FENCE LINE SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-NSF-C28	11-7-94	2.0	NSF-28	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C29	11-7-94	<1.	NSF-29	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C30	11-7-94	<1.	NSF-30	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C31	11-8-94	<1.	NSF-31	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C32	11-8-94	<1.	NSF-32	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C33	11-8-94	<1.	NSF-33	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C34	11-3-94	<1.	NSF-34	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C35	11-3-94	<1.	NSF-35	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C36	11-3-94	<1.	NSF-36	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C37	11-3-94	<1.	NSF-37	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C38	11-3-94	<1.	NSF-38	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C39	11-3-94	<1.	NSF-39	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C40	11-3-94	<1.	NSF-40	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C41	11-3-94	<1.	NSF-41	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C42*	11-3-94	<1.	NSF-42	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C43*	11-3-94	<1.	NSF-43	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C44*	11-3-94	<1.	NSF-44	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C45	11-3-94	<1.	NSF-45	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C46	11-3-94	1.1	NSF-46	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C47*	11-3-94	<1.	NSF-47	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C48	11-8-94	11.	NSF-48	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C49	11-8-94	<1.	NSF-49	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C50*	11-8-94	<1.	NSF-50	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C51	11-8-94	<1.	NSF-51	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C52*	11-8-94	<1.	NSF-52	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C53*	11-8-94	<1.	NSF-53	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2
PL-NSF-C54	11-8-94	<1.	NSF-54	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 3')	2

* - These samples were also analyzed for VOCs and 1,2,4 Trichlorobenzene due to PID readings of ≥ 10, see OBG lab reports for results.

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BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)

(Table 1 cont)

BARRIER GATES SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-NE-BG-1	10-14-94	<1.	NEBG-1	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 1')	2
PL-NE-BG-2	10-14-94	<1.	NEBG-2	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 1')	2
PL-NE-BG-3	10-14-94	<1.	NEBG-3	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 1')	2
PL-NE-BG-4	10-21-94	<1.	NEBG-4	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 1' 6")	2
PL-NW-BG-1	10-14-94	<1.	NWBG-1	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 4")	2
PL-NW-BG-2	10-14-94	1.5	NWBG-2	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 8")	2
PL-NW-BG-3	10-25-94	<1.	NWBG-3	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-NW-BG-4	10-25-94	<1.	NWBG-4	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 4')	2
PL-SW-BG-1	10-14-94	2.2	SWBG-1	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 8")	2
PL-SW-BG-2	10-14-94	<1.	SWBG-2	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 8")	2
PL-SW-BG-3	10-14-94	8.3	SWBG-3	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 8")	2
PL-SW-NG-1	10-21-94	<1.	SWNG-1	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 6")	2
PL-SW-NG-2	10-21-94	<1.	SWNG-2	SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 6")	2

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BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)
(Table 1 cont)

ELECTRICAL TRENCH SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-EL-TR-1	10-17-94	<1.	ELTR-1	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-2	10-17-94	<1.	ELTR-2	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-3	10-18-94	<1.	ELTR-3	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-4	10-18-94	<1.	ELTR-4	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-5	10-18-94	1.5	ELTR-5	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-6	10-18-94	2.2	ELTR-6	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-7	10-18-94	<1.	ELTR-7	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-8	10-19-94	<1.	ELTR-8	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-9	10-19-94	<1.	ELTR-9	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 2')	2
PL-EL-TR-10	10-19-94	<1.	ELTR-10	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-11	10-19-94	3.0	ELTR-11	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-12	10-19-94	<1.	ELTR-12	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-13	10-19-94	<1.	ELTR-13	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-14	10-19-94	<1.	ELTR-14	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-15	10-19-94	<1.	ELTR-15	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-16	10-19-94	<1.	ELTR-16	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-17	10-21-94	<1.	ELTR-17	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-18	10-21-94	<1.	ELTR-18	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-19	10-21-94	4.8	ELTR-19	IN-SITU SOIL	DISCRETE-GRAB (PRE-EXCAVATION)	(0 - 2')	2
PL-EL-TR-20	10-27-94	<1.	ELTR-20	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 1')	2
PL-EL-TR-21	10-27-94	<1.	ELTR-21	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(1 - 2')	2
PL-EL-TR-22	10-27-94	<1.	ELTR-22	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(2 - 3')	2

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BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)

(Table 1 cont)

HYDRANT RELOCATION SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-HYD-1	11-29-94	<1.	HYD-1	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 1')	2
PL-HYD-2	11-29-94	<1.	HYD-2	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(1 - 2')	2
PL-HYD-3	11-29-94	<1.	HYD-3	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(2 - 3')	2
PL-HYD-4	11-29-94	<1.	HYD-4	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(3 - 4')	2
PL-HYD-5	11-29-94	<1.	HYD-5	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(4 - 5')	2
PL-HYD-6	11-29-94	<1.	HYD-6	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 1')	2
PL-HYD-7	11-29-94	<1.	HYD-7	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(1 - 2')	2
PL-HYD-8	11-29-94	<1.	HYD-8	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(2 - 3')	2
PL-HYD-9	11-29-94	<1.	HYD-9	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(3 - 4')	2
PL-HYD-10	11-29-94	<1.	HYD-10	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(4 - 5')	2
PL-HYD-11	11-29-94	<1.	HYD-11	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(0 - 1')	2
PL-HYD-12	11-29-94	<1.	HYD-12	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(1 - 2')	2
PL-HYD-13	11-29-94	<1.	HYD-13	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(2 - 3')	2
PL-HYD-14	11-29-94	<1.	HYD-14	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(3 - 4')	2
PL-HYD-15	11-29-94	<1.	HYD-15	SOIL	DISCRETE-GRAB (POST-EXCAVATION)	(4 - 5')	2

BLASLAND, BOUCK & LEE, INC.

Plastics New Security Fence Sampling
(201.19.08)

(Table 1 cont)

MISCELLANEOUS SAMPLING

LAB ID	SAMPLE DATE	PCBs (PPM)	SAMPLE LOCATION	SAMPLE MATERIAL	SAMPLE TYPE	SAMPLE DEPTH	SEE FIGURE
PL-DRUM-1	10-18-94	4.8	DRUM-1	SOIL	DISCRETE-GRAB (SOIL IN DRUM)	(0 - 1')	2
PL-JT-SP-1	10-18-94	32.	JTSP-1	SOIL	FIELD-COMPOSITE (POST-EXCAVATION)	(0 - 3")	2
PL-JT-SP-2	10-18-94	33.	JTSP-2	SOIL	FIELD-COMPOSITE (POST-EXCAVATION)	(0 - 3")	2

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December 1, 1994
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OBG LABORATORIES, INC.

PRELIMINARY
OCT 17 1994

01 Laboratory Report

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201-19-05

Plastics New Security Fence Sampling

Date Analyzed 10/13/94 DATE COLLECTED See Below DATE RECEIVED 10/11/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-NSF-C1	10/11/94	10/7/94	2.5	89	2.8	Soil	A
A. Reagent Blank 101194-1					<1		
Reference Sample 101194-1					2.2/3 = 73%		
Matrix Spike PL-NSF-C1					3.0/3 = 100%		
Matrix Spike Duplicate					3.3/3 = 110%		
Precision			3.0 vs 3.5 =		10% RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG Laboratories, Inc., an O'Brien & Gere Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

OBG LABORATORIES, INC.

PRELIMINARY
OCT 17 1994

Laboratory Report

02

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed 10/15/94 DATE COLLECTED See Below DATE RECEIVED 10/12/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-NSF-C2	10/12/94	10/11/94	160	81	200	Soil	
C3			490	81	600		
C4			110	88	120		
C5			590	78	760		
C6			430	81	530		
C7			840	80	1100		
A Reagent Blank 101294-1					<1		
Reference Sample 101294-1					2.3/3 = 77%		
Matrix Spike PL-NSF-C4					MS 3.600%		
Matrix Spike Duplicate					MSD 3.633%		
Precision			18 vs	19 = 5%	RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

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OBG LABORATORIES, INC.

Laborator Repo

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PRELIMINARY
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CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201-19-08

Plastics New Security Fence Sampling

Date Analyzed DATE COLLECTED See Below DATE RECEIVED 10/13/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-NSF-C8	10/17/94	10/12/94	550	87	630	Soil	A
C9			510	86	590		
C10			73	87	84		
C11			61	83	73		
C12			150	79	190		
C13			180	74	240		
C14			300	69	440		
A Reagent Blank 101794-1					<1		
Reference Sample 101794-1					2.1/3 = 70%		
Matrix Spike PL-NSF-C11					8/3 = 267%		
Matrix Spike Duplicate					4.3/3 = 143%		
Precision			6 vs	4.3 = 60% RPD			

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
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Laborator Repor

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CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 701-19-08

Plastics New Security Gate Sampling

Date Analyzed 10/19/94 DATE COLLECTED See Below DATE RECEIVED 10/17/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-NE-BG-1	10/17/94	10/14/94	<1	75	<1	Soil	A
-2			<1	87	<1		
-3			<1	81	<1		
PL-NW-BG-1	10/17/94	10/14/94	<1	85	<1	Soil	A
-2			1.3	87	1.5		
PL-SW-BG-1	10/17/94	10/14/94	1.8	82	2.2	Soil	A
-2			<1	80	<1		
-3			6.5	79	8.3		
A. Reagent Blank 101794-1					<1		
Reference Sample 101794-2					2-2/3: 73%		
Matrix Spike PL-NE-BG-3					2-1/3: 70%		
Matrix Spike Duplicate					2-9/3: 67%		
Precision			2.1 vs	2.0 : 4%	RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
OCT 19 1994

Laboratory Report

05

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed 10/19/94 DATE COLLECTED See Below DATE RECEIVED 10/18/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-EL-TR-1	10/18/94	10/17/94	<1	82	<1	Soil	A
↓ -2	↓	↓	<1	88	<1	↓	↓
A Reagent Blank 101894-1					<1		
Reference Sample 101894-1					2.1/3 = 70%		
Matrix Spike					2.2/3 = 73%		
Matrix Spike Duplicate					2.1/3 = 70%		
Precision			2.1 vs 2.2 = 4%		RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized: _____

Date: _____

OBG LABORATORIES, INC.

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Laboratory Report

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CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed 10/19/94 DATE COLLECTED See Below DATE RECEIVED 10/18/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-DRUM-1	10/18/94	10/18/94	4.3	91	4.8	Soil	A
PL-JT-SP-1	10/18/94	10/18/94	29	89	82	Soil	A
↓ -2	↓	↓	29	88	83	↓	↓
PL-EL-TR-3	10/18/94	10/18/94	<1	80	<1	Soil	A
-4	↓	↓	<1	81	<1	↓	↓
-5			1.3	89	1.5		
-6			2.0	90	2.2		
-7			<1	86	<1		
A. Reagent Blank 101894-2					<1		
Reference Sample 101894-2					2.1/3: 70%		
Matrix Spike PL-EL-TR-6					5.4/3: 180%		
Matrix Spike Duplicate					3.8/3: 127%		
Precision			5.6 vs	3.5 = 32% RPD			

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
OCT 21 1994

Laboratory Report

07

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Samples

Date Analyzed 10/20/94 DATE COLLECTED See Below DATE RECEIVED 10/19/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-EL-TR-8	10/19/94	10/19/94	<1	90	<1	Soil	A
9			<1	96	<1		
10			<1	77	<1		
11			2.6	87	3.0		
12			<1	81	<1		
13			<1	85	<1		
14			<1	91	<1		
15			<1	88	<1		
16			<1	83	<1		
Reagent Blank 101994-1					<1		
Reference Sample 101994-1					2.9/3: 67%		
Matrix Spike PL-EL-TR-14					2.4/3: 73%		
Matrix Spike Duplicate					2.1/3: 70%		
Precision			2.2 RS	2.1 = 4%	RPD		

Comments:

Certification No.: NY034

Units: ug/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

5547

PRELIMINARY

OCT 2 5 1994

Laboratory Report

08

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed DATE COLLECTED See Below DATE RECEIVED 10/21/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-SW-NG-1	10/24/94	10/21/94	<1	94	<1	Soil	A
↓ -2			<1	79	<1	↓	↓
PL-EL-TR-17	10/24/94	10/21/94	<1	86	<1	Soil	A
-18			<1	87	<1		
-19			3.9	81	4.8		
PL-NE-B6-4	10/24/94	10/21/94	<1	93	<1	Soil	A
1. Reagent Blank 102494-1					<1		
Reference Sample 102494-1					2.1/3 = 70%		
Matrix Spike PL-NE-B6-4					2.7/3 = 90%		
Matrix Spike Duplicate					2.7/3 = 90%		
Precision			2.7 vs	2.7 = 0	% RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

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OBG LABORATORIES, INC.

PRELIMINARY

OCT 2 7 1994

Laboratory Report

09

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed 10/27/94 DATE COLLECTED See Below DATE RECEIVED 10/26/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-NW-BG-3	10/26/94	10/25/94	<1	89	<1	Soil	A
↓ -4	↓	↓	<1	89	<1	↓	↓
A. Reagent Blank 102694-1					<1		
Reference Sample 102694-1					2.3/3, 77%		
Matrix Spike PL-NW-BG-4					2.3/3, 77%		
Matrix Spike Duplicate					2.3/3, 77%		
Precision			23 vs 23	0%	RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

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PRELIMINARY

OCT 2 8 1994

Laboratory Report

10

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.05

Plastics New Security Seals Sampling

Date Analyzed 10/28/94 DATE COLLECTED See Below DATE RECEIVED 10/27/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-EL-TR-20	10/27/94	10/27/94	<1	92	<1	Soil	A
21	↓	↓	<1	89	<1	↓	↓
22	↓	↓	<1	84	<1	↓	↓
1. Reagent Blank 102794-1					<1		
Reference Sample 102794-1					2.1/3= 70%		
Matrix Spike PL-EL-TR 20					2.1/3= 70%		
Matrix Spike Duplicate					1.9/3= 63%		
Precision			2.1 vs 1.9 = 11 % RPD				

Comments:

Certification No.: NY034

Units: mgs/kgs = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY

NOV 1 1994

Laboratory Report

11

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

Plastics New Security Fence Sampling

Date Analyzed 11/1/94 DATE COLLECTED See Below DATE RECEIVED 10/28/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-NSF-C15	10/31/94	10/26/94	7.0	86	8.1	Soil	A
-C16	↓	↓	9.5	80	12	↓	↓
-C17			6.4	87	7.3		
A. Reagent Blank 103194-1					<1		
Reference Sample 103194-1					1.1/3: 70%		
Matrix Spike PL-NSF-C17					12/3: 400%		
Matrix Spike Duplicate					12/3: 400%		
Precision			12 VS	12.0%	RPD		

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

PRELIMINARY
NOV 8 1994

Laboratory Report

12

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. ZC1.19.08

Plastics New Security Fence Samples

Date Analyzed 11/2/94 DATE COLLECTED See Below DATE RECEIVED ~~10/31/94~~ 11/1/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-NSF-C18	11/01/94	10/31/94	4.3	86	5.0	Sol	A
↓ -C19	↓		4.6	91	5.1	↓	↓
A Reagent Blank 110194-1					<1		
Reference Sample 110194-1					1.9/3: 63%		
Matrix Spike PL-NSF-C19					1.7/3: 57%		
Matrix Spike Duplicate					2.0/3: 67%		
Precision			1.7 vs	2.0 = 16%	RPD		

Comments:

Certification No.: NY034

Units: Mg/Kg: ppm

Authorized: _____

Date: _____

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PRELIMINARY
NOV 8 1994

Laboratory Report

13

CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 26/.19.K

Plastics New Security Face Smpling

Date Analyzed 11/7/94 DATE COLLECTED See Below DATE RECEIVED 11/4/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-BSF-C34	11/4/94	11/3/94	<1 (.223)	87	<1	Soils	A
C35			<1 (.42)	83	<1		
C36			<1 (.366)	87	<1		
C37			<1 (.348)	82	<1		
C38			<1 (.122)	83	<1		
C39			<1 (.177)	80	<1		
C40			<1 (.247)	87	<1		
C41			<1 (.316)	83	<1		
C42			<1 (.164)	96	<1		
C43			<1 (.196)	87	<1		
C44			<1 (.285)	87	<1		
C45			<1 (.845)	88	<1		
C46			1.0	90	1.1		
C47			<1 (.142)	92	<1		

A. Reagent Blank 110494-1: <1

Reference Sample 110494-1: 1.9/3 = 63%

Matrix Spike PL-BSF-C38: 1.8/3 = 61%

Matrix Spike Duplicate: 1.9/3 = 63%

Precision: 1.8 vs 1.9 = 5.4% RPD

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

Volatile Organics
Method 8240

CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO.: 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid

DATE COLLECTED: 11-3-94 DATE RECEIVED: 11-4-94 DATE ANALYZED: 11-7-94

DESCRIPTION:	PL-NSF-C42	PL-NSF-C43	PL-NSF-C44	PL-NSF-C47
SAMPLE NO.:	U4804	U4805	U4806	U4807
Chloromethane	<11.	<12.	<11.	<11.
Bromomethane				
Vinyl chloride				
Chloroethane				
Methylene chloride	<6.	<6.	<6.	<5.
Acetone	<11.	<12.	<11.	<11.
Carbon disulfide	<6.	<6.	<6.	<5.
1,1-Dichloroethene				
1,1-Dichloroethane				
1,2-Dichloroethene (total)				
Chloroform				
1,2-Dichloroethane				
2-Butanone	<11.	<12.	<11.	<11.
1,1,1-Trichloroethane	<6.	<6.	<6.	<5.
Carbon tetrachloride	<6.	<6.	<6.	<5.
Vinyl acetate	<11.	<12.	<11.	<11.
Bromodichloromethane	<6.	<6.	<6.	<5.
1,2-Dichloropropane				
cis-1,3-Dichloropropene				
Trichloroethene				
Dibromochloromethane				
1,1,2-Trichloroethane				
Benzene				

Authorized: Thomas A. Edwards

Date: November 14, 1994

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OBG LABORATORIES, INC.

Volatile Organics
Method 8240

CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO.: 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid

DATE COLLECTED: 11-3-94 DATE RECEIVED: 11-4-94 DATE ANALYZED: 11-7-94

DESCRIPTION:	PL-NSF-C42	PL-NSF-C43	PL-NSF-C44	PL-NSF-C47
SAMPLE NO.:	U4804	U4805	U4806	U4807
trans-1,3-Dichloropropene	<6.	<6.	<6.	<5.
Bromoform	<6.	<6.	<6.	<5.
4-Methyl-2-pentanone	<11.	<12.	<11.	<11.
2-Hexanone	<11.	<12.	<11.	<11.
Tetrachloroethene	<6.	<6.	<6.	<5.
1,1,2,2-Tetrachloroethane	↓	↓	↓	↓
Toluene				
Chlorobenzene				
Ethylbenzene				
Styrene				
Xylene (total)				
PERCENT TOTAL SOLIDS	89.	86.	89.	93.

Comments:

Methodology: EPA Target Compound List By 8240, SW-846 November 1986, 3rd Edition

Certification No.: NY034

Units: µg/kg dry weight

Authorized:

Date: November 14, 1994

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O'BRIEN & GERE LABORATORIES, INC.

Laboratory Report

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CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid

Date Extracted 11-7-94 DATE COLLECTED 11-3-94 DATE RECEIVED 11-4-94

Date Analyzed 11-7-94

	Sample #	1,2,4-TRICHLORO-BENZENE by Method 8270
PL-NSF-C42	U4804	<370.
PL-NSF-C43	U4805	<380.
PL-NSF-C44	U4806	<370.
PL-NSF-C47	U4807	<350.

Comments:

Certification No.: NY034

Units: µg/kg dry weight

Authorized: Thomas A. Clark

Date: November 14, 1994

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NOV 9 1994

OBG LABORATORIES, INC.

Laboratory Report

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CLIENT BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201-19-08

Plastics New Security Fence Sampling

Date Analyzed 11/8-9/94 DATE COLLECTED See Below DATE RECEIVED 11/8/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULTS
PL-NSF-C20	11/8/94	11/7/94	9.2	86	11	soil	A
C21			24	90	27		
C22			26	89	29		
C23			21	85	25		
C24			7.8	91	8.6		
C25			7.8	91	8.6		
C26			1.5	89	1.7		
C27			<1 (.196)	90	<1		
C28			1.8	92	2.0		
C29			<1 (.293)	90	<1		
C30			<1 (.089)	86	<1		

A. Reagent Blank 110894-1: <1

Reference Sample 110894-1: 2.6/3 = 87 %

Matrix Spike PL-NSF-C27: 2.4/3 = 80 %

Matrix Spike Duplicate: 2.3/3 = 76 %

Precision: 2.4 vs 2.3 = 4.3 % RPD

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

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5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

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Laboratory Report

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CLIENT BLASLAND, BOUCK & LEE, INC JOB NO. 2887.026.520

DESCRIPTION G.E., Pittsfield BB&L Job No. 201.19.08

PLASTICS NEW SECURITY FENCE SAMPLING

Date Analyzed 11/9-10/94 DATE COLLECTED See Below DATE RECEIVED 11/9/94

LAB ID NO.	DATE EXTRACTED	DATE SAMPLED	SCREEN VALUE	PCTS	PCB	COMMENTS	QC RESULT
PL-NSF-C31	11/9/94	11/8/94	<1 (.054)	86	<1	Soils	A
C32			<1 (.095)	87	<1		
C33			<1 (.131)	85	<1		
C48			9.8	86	11		
C49			<1 (.132)	91	<1		
C50			<1 (.122)	93	<1		
C51			<1	89	<1		
C52			<1 (.102)	92	<1		
C53			<1 (.103)	89	<1		
C54			<1 (.896)	90	<1		

A Reagent Blank 110994-1: <1

Reference Sample 110994-1: 1.9/3 = 63 %

Matrix Spike PL-NSF-C51: 1.9/3 = 63 %

Matrix Spike Duplicate: 1.9/3 = 63 %

PRECISION: 1.9 vs 1.9 = 0 % RPD

Comments:

Certification No.: NY034

Units: mg/kg = ppm

Authorized:

Date:

OBG LABORATORIES, INC.

Volatile Organics
Method 8240

19

CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO. 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid/Water*

DATE COLLECTED 11-8-94 DATE RECEIVED 11-9-94 DATE ANALYZED 11-9-94

DESCRIPTION:	PL-NSF-C50	PL-NSF-C52	PL-NSF-C53	QC Trip Blank
SAMPLE NO.:	U4896	U4897	U4898	U4899*
Chloromethane	<11.	<11.	<11.	<10.
Bromomethane				
Vinyl chloride				
Chloroethane				
Methylene chloride	<5.	<5.	<6.	<5.
Acetone	<11.	<11.	<11.	<10.
Carbon disulfide	<5.	<5.	<6.	<5.
1,1-Dichloroethene				
1,1-Dichloroethane				
1,2-Dichloroethene (total)				
Chloroform				
1,2-Dichloroethane				
2-Butanone	<11.	<11.	<11.	<10.
1,1,1-Trichloroethane	<5.	<5.	<6.	<5.
Carbon tetrachloride	<5.	<5.	<6.	<5.
Vinyl acetate	<11.	<11.	<11.	<10.
Bromodichloromethane	<5.	<5.	<6.	<5.
1,2-Dichloropropane				
cis-1,3-Dichloropropene				
Trichloroethene				
Dibromochloromethane				
1,1,2-Trichloroethane				
Benzene				

Authorized: Thomas A. Reynolds

Date: November 14, 1994

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OBG LABORATORIES, INC.

Volatile Organics Method 8240

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CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO.: 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid/Water*

DATE COLLECTED: 11-8-94 DATE RECEIVED: 11-9-94 DATE ANALYZED: 11-9-94

DESCRIPTION:	PL-NSF-CS0	PL-NSF-CS2	PL-NSF-CS3	QC Trip Blank
SAMPLE NO.:	U4896	U4897	U4898	U4899*
trans-1,3-Dichloropropene	<5.	<5.	<6.	<5.
Bromoform	<5.	<5.	<6.	<5.
4-Methyl-2-pentanone	<11.	<11.	<11.	<10.
2-Hexanone	<11.	<11.	<11.	<10.
Tetrachloroethene	<5.	<5.	<6.	<5.
1,1,2,2-Tetrachloroethane	↓	↓	↓	↓
Toluene				
Chlorobenzene				
Ethylbenzene				
Styrene				
Xylene (total)	7.	8.	7.	
PERCENT TOTAL SOLIDS	93.	92.	91.	-

Comments:

Methodology: EPA Target Compound List By 8240, SW-846 November 1986, 3rd Edition

Certification No.: NY034

Units: µg/kg dry weight *µg/l

Authorized: [signature]

Date: November 14, 1994

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O'BRIEN & GERE LABORATORIES, INC.

Laboratory Report

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CLIENT: BLASLAND, BOUCK & LEE, INC. JOB NO.: 2887.026.517

DESCRIPTION: Pittsfield, MA BB&L #201.19.08

Plastics New Security Fence Sampling MATRIX: Solid

Date Extracted 11-10-94 DATE COLLECTED 11-8-94 DATE RECEIVED 11-9-94

Date Analyzed 11-10-94

	Sample #	1,2,4-TRICHLORO-BENZENE by Method 8270
PL-NSF-C50	U4896	<360.
PL-NSF-C52	U4897	<360.
PL-NSF-C53	U4898	<370.

Comments:

Certification No.: NY034

Units: µg/kg dry weight

Authorized:

Date: November 14, 1994

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling
(201.19.08)

Operator: Jim Hassett

FENCE LINE SAMPLING

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
NSF-1	10-7-94	2.2	1.6	1.9
NSF-2	10-11-94	8.4	10.2	9.3
NSF-3	10-11-94	2.8	3.2	3.0
NSF-4	10-11-94	1.3	1.1	1.2
NSF-5	10-11-94	1.2	0.8	1.0
NSF-6	10-11-94	0.7	0.9	0.8
NSF-7	10-11-94	1.4	1.4	1.4
NSF-8	10-12-94	1.0	1.0	1.0
NSF-9	10-12-94	0.6	0.0	0.3
NSF-10	10-12-94	0.8	0.8	0.8
NSF-11	10-12-94	0.2	0.2	0.2
NSF-12	10-12-94	0.4	0.0	0.2
NSF-13	10-12-94	2.0	2.4	2.2
NSF-14	10-12-94	1.4	0.6	1.0
NSF-15	10-28-94	0.2	0.2	0.2
NSF-16	10-28-94	0.2	0.2	0.2
NSF-17	10-28-94	0.2	0.2	0.2
NSF-18	10-31-94	0.2	0.4	0.3
NSF-19	10-31-94	0.2	0.2	0.2
NSF-20	11-7-94	6.0	3.5	4.75
NSF-21	11-7-94	5.5	6.0	5.75
NSF-22	11-7-94	2.0	2.2	2.1
NSF-23	11-7-94	2.0	3.0	2.5
NSF-24	11-7-94	3.0	4.0	3.5
NSF-25	11-7-94	1.0	1.0	1.0
NSF-26	11-7-94	4.4	6.0	5.2
NSF-27	11-7-94	7.0	8.5	7.75

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling (201.19.08)

Operator: Jim Hassett

FENCE LINE SAMPLING

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
NSF-28	11-7-94	4.5	5.0	4.75
NSF-29	11-7-94	5.0	6.0	5.5
NSF-30	11-7-94	8.0	9.0	8.5
NSF-31	11-8-94	0.0	0.0	0.0
NSF-32	11-8-94	0.0	0.0	0.0
NSF-33	11-8-94	2.1	1.9	2.0
NSF-34	11-3-94	0.0	0.0	0.0
NSF-35	11-3-94	0.0	0.2	0.1
NSF-36	11-3-94	0.0	0.4	0.2
NSF-37	11-3-94	6.0	2.0	4.0
NSF-38	11-3-94	3.8	1.6	2.7
NSF-39	11-3-94	0.6	0.6	0.6
NSF-40	11-3-94	0.2	0.0	0.1
NSF-41	11-3-94	8.4	2.8	5.6
NSF-42	11-3-94	16.4	12.8	14.6
NSF-43	11-3-94	18.0	10.0	14.0
NSF-44	11-3-94	16.0	12.0	14.0
NSF-45	11-3-94	10.2	5.2	7.7
NSF-46	11-3-94	6.6	3.6	5.1
NSF-47	11-3-94	38.0	30.0	34.0
NSF-48	11-8-94	5.2	6.2	5.7
NSF-49	11-8-94	2.5	2.7	2.6
NSF-50	11-8-94	130.0	150.0	140.0
NSF-51	11-8-94	2.0	2.5	2.25
NSF-52	11-8-94	20.0	12.8	16.4
NSF-53	11-8-94	98.0	78.0	88.0
NSF-54	11-8-94	0.5	1.5	1.0

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling
(201.19.08)

Operator: Jim Hassett

BARRIER GATES SAMPLING

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
NEBG-1	10-14-94	0.4	0.6	0.5
NEBG-2	10-14-94	0.2	0.4	0.3
NEBG-3	10-14-94	0.2	0.4	0.3
NEBG-4	10-21-94	0.2	0.2	0.2
NWBG-1	10-14-94	0.3	0.3	0.3
NWBG-2	10-14-94	0.4	0.4	0.4
NWBG-3	10-25-94	1.2	1.0	1.1
NWBG-4	10-25-94	0.4	0.2	0.3
SWBG-1	10-14-94	0.4	0.4	0.4
SWBG-2	10-14-94	0.2	0.4	0.3
SWBG-3	10-14-94	1.0	0.6	0.8
SWNG-1	10-21-94	0.2	0.2	0.2
SWNG-2	10-21-94	0.2	0.2	0.2

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling
(201.19.08)

Operator: Jim Hassett

ELECTRICAL TRENCH SAMPLING

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
ELTR-1	10-17-94	0.2	0.2	0.2
ELTR-2	10-17-94	0.4	0.2	0.3
ELTR-3	10-18-94	0.2	0.2	0.2
ELTR-4	10-18-94	0.0	0.0	0.0
ELTR-5	10-18-94	0.2	0.2	0.2
ELTR-6	10-18-94	0.2	0.2	0.2
ELTR-7	10-18-94	0.0	0.2	0.1
ELTR-8	10-19-94	0.4	0.2	0.3
ELTR-9	10-19-94	0.4	0.2	0.3
ELTR-10	10-19-94	0.4	0.2	0.3
ELTR-11	10-19-94	0.4	0.4	0.4
ELTR-12	10-19-94	0.2	0.2	0.2
ELTR-13	10-19-94	0.2	0.4	0.3
ELTR-14	10-19-94	0.4	0.4	0.4
ELTR-15	10-19-94	0.3	0.3	0.3
ELTR-16	10-19-94	0.4	0.2	0.3
ELTR-17	10-21-94	0.2	0.2	0.2
ELTR-18	10-21-94	0.4	0.4	0.4
ELTR-19	10-21-94	0.2	0.4	0.3
ELTR-20	10-27-94	0.6	0.4	0.5
ELTR-21	10-27-94	0.4	0.4	0.4
ELTR-22	10-27-94	0.4	0.4	0.4

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling
(201.19.08)

Operator: Jim Hassett

HYDRANT RELOCATION SAMPLING

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
HYD-1	11-29-94	0.2	0.2	0.2
HYD-2	11-29-94	0.8	1.0	0.9
HYD-3	11-29-94	0.2	0.0	0.1
HYD-4	11-29-94	0.2	0.4	0.3
HYD-5	11-29-94	1.8	1.6	1.7
HYD-6	11-29-94	1.4	1.4	1.4
HYD-7	11-29-94	1.0	2.0	1.5
HYD-8	11-29-94	0.8	0.8	0.8
HYD-9	11-29-94	1.0	1.4	1.2
HYD-10	11-29-94	3.2	3.8	3.5
HYD-11	11-29-94	1.2	2.0	1.6
HYD-12	11-29-94	3.8	4.2	4.0
HYD-13	11-29-94	3.2	3.6	3.4
HYD-14	11-29-94	6.0	8.6	7.3
HYD-15	11-29-94	4.8	5.0	4.9

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Plastics New Security Fence Sampling
(201.19.08)

Operator: Jim Hassett

MISCELLANEOUS SAMPLING				
Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
DRUM-1	10-18-94	0.1	0.1	0.1
JTSP-1	10-18-94	0.6	0.2	0.4
JTSP-2	10-18-94	0.6	0.2	0.4

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-7-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**38**	ppm
Adjusted Setting:	**5.90**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-11-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	9.80	**Span Setting**	@	60	ppm
Initial Reading:	9.80	**Span Setting**	@	34	ppm
Adjusted Setting:	5.50	**Span Setting**	@	60	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-12-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**34**	ppm
Adjusted Setting:	**5.20**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-14-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**32**	ppm
Adjusted Setting:	**5.00**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-17-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**28**	ppm
Adjusted Setting:	**4.40**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-18-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**29**	ppm
Adjusted Setting:	**4.40**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-19-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**28**	ppm
Adjusted Setting:	**4.10**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-21-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**26**	ppm
Adjusted Setting:	**3.80**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-25-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**26**	ppm
Adjusted Setting:	**3.80**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-27-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**24**	ppm
Adjusted Setting:	**3.60**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-28-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**23**	ppm
Adjusted Setting:	**3.50**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 10-31-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**24**	ppm
Adjusted Setting:	**3.40**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 11-3-94

Operator: Jim Hassett

HNU Serial #: 370018

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**32**	ppm
Adjusted Setting:	**2.40**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 11-7-94

Operator: Jim Hassett

HNU Serial #: 370018

eV of Probe: 10.2

Calibration Gas:	9.80	Span Setting	@	60	ppm
Initial Reading:	9.80	Span Setting	@	30	ppm
Adjusted Setting:	2.34	Span Setting	@	60	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 11-8-94

Operator: Jim Hassett

HNU Serial #: 370018

eV of Probe: 10.2

Calibration Gas:	9.80	**Span Setting**	@	60	ppm
Initial Reading:	9.80	**Span Setting**	@	28	ppm
Adjusted Setting:	2.30	**Span Setting**	@	60	ppm

Notes:

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BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 11-29-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	**9.80**	**Span Setting**	**@**	**60**	ppm
Initial Reading:	**9.80**	**Span Setting**	**@**	**54**	ppm
Adjusted Setting:	**8.80**	**Span Setting**	**@**	**60**	ppm

Notes:

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HNU CALIBRATION FORM

Plastics New Security Fence Sampling

(201.19.08)

Date: 11-29-94

Operator: Jim Hassett

HNU Serial #: A70129

eV of Probe: 10.2

Calibration Gas:	9.80	Span Setting	@	60	ppm
Initial Reading:	9.80	Span Setting	@	53	ppm
Adjusted Setting:	8.70	Span Setting	@	60	ppm

Notes:

Blasland, Bouck & Lee, Inc.

6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.08	Plastics New Security Fence Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)	REMARKS
91-NSF-C1		10-7-94	1330		X	X			1	X	

SAMPLED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	10-7-94	1530			10/8/94	0835	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS	
			Scott Niranjo	10/11/94	0835	DELIVERED TO PITTSFIELD CBG LABORATORY	

Blasland, Bouck & Lee, inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.19.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
PL-NSF-C2		10-11-94	1315		X	X			1	X					
PL-NSF-C3		10-11-94	1400		X	X			1	X					
PL-NSF-C4		10-11-94	1470		X	X			1	X					
PL-NSF-C5		10-11-94	1515		X	X			1	X					
PL-NSF-C6		10-11-94	1600		X	X			1	X					
PL-NSF-C7		10-11-94	1640		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[signature]	10-11-94	1640	[signature]	[signature]	10/12	1042	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
			[signature]	[signature]			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS	
			[signature]	10/12/94	1042	DELIVERED TO PITTSFIELD OBG LAB	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.19.08
PROJECT NAME: PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
PL-NSF-C8		10/12/94	1150		X	X			1	X					
PL-NSF-C9		10/12-94	1330		X	X			1	X					
PL-NSF-C10		10-12-94	1400		X	X			1	X					
PL-NSF-C11		10/12-94	1430		X	X			1	X					
PL-NSF-C12		10-12-94	1530		X	X			1	X					
PL-NSF-C13		10-12-94	1500		X	X			1	X					
PL-NSF-C14		10/12/94	1615		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME: 10/12/94 1615	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME: 10/13/94 1120	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME: 10/13/94 1506	REMARKS: DELIVERED TO PITTSFIELD QC'S LAB

Blasland, Bouck & Lee, Inc.
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(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO: 201.19.08
PROJECT NAME: PLASTICS NEW SECURITY GATE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
PL-NE-BG-1		10-14-94	1330		X	X			1	X					
PL-NE-BG-2		10/14/94	1350		X	X			1	X					
PL-NE-BG-3		10/14/94	1405		X	X			1	X					
PL-NW-BG-1		10-14-94	1430		X	X			1	X					
PL-NW-BG-2		10-14-94	1445		X	X			1	X					
PL-SW-BG-1		10/14/94	1500		X	X			1	X					
PL-SW-BG-2		10/14/94	1515		X	X			1	X					
PL-SW-BG-3		10/14/94	1530		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	10-14-94 1530			10-17-94 0935	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		Scott Nimmons	10/17/94 0935	DELIVERED TO PITTSFIELD BBG LABORATORY	

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Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (SOIL)	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	TCL VOCs (METHOD 8260)					REMARKS
PL-EL-TR-1		10-17-94	1730		X	X			1	X					
PL-EL-TR-2		10-17-94	1745		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
[signature]	10-17-94	[signature]	[signature]	10/18/94 0720	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		Sally Nunnery	10/18/94 0720	DELIVERED TO PITTSFIELD GEG LABORATORY	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
20119.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID Soil	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (MEMO 8260)					REMARKS
PL-DRUM-1		10-18-94	1630		X	X			1	X					
PL-JT-SP-1		10/18/94	1640		X	X			1	X					
PL-JT-SP-2		10-18-94	1650		X	X			1	X					
PL-EL-TR-3		10/18/94	1715		X	X			1	X					
PL-EL-TR-4		10/18/94	1730		X	X			1	X					
PL-EL-TR-5		10-18-94	1745		X	X			1	X					
PL-EL-TR-6		10/18/94	1800		X	X			1	X					
PL-EL-TR-7		10/18/94	1820		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
[signature]	10/18/94 1820		[signature]	10-18-94 1850	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		[signature] Nowak C	11/16/94 1650	DELIVERED TO PITTSFIELD QBF LABORATORY	

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Blasland, Bouck & Lee, Inc.

6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.19.08
PROJECT NAME: Plastics New Security Fence Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (SOIL)	WIPE	WATER	NO. OF CONTAINERS	PCBs (Method 8080)					REMARKS
PL-EL-TR-8		10/19/94	1645		X	X			1	X					
PL-EL-TR-9		10/19/94	1700		X	X			1	X					
PL-EL-TR-10		10/19/94	1715		X	X			1	X					
PL-EL-TR-11		10/19/94	1730		X	X			1	X					
PL-EL-TR-12		10/19/94	1740		X	X			1	X					
PL-EL-TR-13		10/19/94	1750		X	X			1	X					
PL-EL-TR-14		10/19/94	18:00		X	X			1	X					
PL-EL-TR-15		10/19/94	18:10		X	X			1	X					
PL-EL-TR-16		10/19/94	18:20		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	10/19/94 1845				
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RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
		[signature]	10/19/94 1845	DELIVERED TO PITTSFIELD O&A LAB

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.19.06
PROJECT NAME: PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8082)					REMARKS
PL-SW-AG-1		10/21/94	1130		X	X			1	X					
PL-SW-AG-2		10/21/94	1145		X	X			1	X					
PL-EL-TR-17		10/21/94	1210		X	X			1	X					
PL-EL-TR-18		10/21/94	1230		X	X			1	X					
PL-EL-TR-19		10/21/94	1300		X	X			1	X					
PL-NE-BG-4		10/21/94	1400		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME: 10/21/94 1400	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME: 10/21/94 1176
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME: 10/21/94 1735	REMARKS: DELIVERED TO PITTSFIELD OBG LAB

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
20119.08	Plastics New Scrap Yard Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCB - METHOD 8082					REMARKS
PL-NW-BG-3		6/24/14	1600		X	X			1	X					
PL-NW-WG-4		6/24/14	1700		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
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RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		[signature]	6/26/14 0930	DELIVERED TO PHOENIX ON 6/26/14	

Blasland, Bouck & Lee, inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

PLEASE SEND LAB REPORT TO:
BRUCE EULIAN
Blasland, Bouck & Lee, inc.
C/O GE POWER TRANSFORMER DEPT.
MAIL CODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.08	PLASTICS New Security Fence Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (Method 8080)					REMARKS
PL-EL-TR-20		11/2/91	1000		X	X			1	X					
PL-EL-TR-21		11/2/91	1015		X	X			1	X					
PL-EL-TR-22		11/2/91	1030		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
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RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		[signature]	11/12/91 1400	DELIVERED TO PITTSFIELD OBG LAB	

55

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (SOIL)	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
PL-NSF-C15		10/28/94	1145		X	X			1	X					
PL-NSF-C16		10/28/94	1340		X	X			1	X					
PL-NSF-C17		10/28/94	1430		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
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RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
			[signature]		
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		[signature]	10/28/94 1515	DELIVERED TO PITTSFIELD QBG LAB	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
21.19.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
RL-NSF-C18		103194	1400		X	X			1	X					
RL-NSF-C19		103194	1450		X	X			1	X					
RL-NSF-G20	XPG	103194			X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
[signature]	103-94	[signature]	[signature]	11/1/94 0415	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
		[signature]			
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		Susan Nunnally	11/1/94 0415	DELIVERED TO PITTSFIELD OBG LAB CT	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO: 201.19.08
PROJECT NAME: PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (Soil)	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	TCL VOCs (METHOD 8260)					REMARKS
PL-NSF-C34		11-3-94	0930		X	X			1	X					
PL-NSF-C35		11-3-94	1000		X	X			1	X					
PL-NSF-C36		11-3-94	1030		X	X			1	X					
PL-NSF-C37		11-3-94	1045		X	X			1	X					
PL-NSF-C38		11-3-94	1100		X	X			1	X					
PL-NSF-C39		11-3-94	1115		X	X			1	X					
PL-NSF-C40		11-3-94	1245		X	X			1	X					
PL-NSF-C41		11-3-94	1300		X	X			1	X					
PL-NSF-C42		11-3-94	1310		X	X			1	X					
PL-NSF-C43		11-3-94	1345		X	X			1	X					
PL-NSF-C44		11-3-94	1400		X	X			1	X					
PL-NSF-C45		11-3-94	1415		X	X			1	X					
PL-NSF-C46		11-3-94	1500		X	X			1	X					
PL-NSF-C47		11-3-94	1630		X	X			1	X					

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[signature]	11-3-94	1630					
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[signature]	11/4	0:5					
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS	
			[signature]	11/4/94	0830	DELIVERED TO PITTSFIELD QBG LAB	

Blasland, Bouck & Lee, Inc.

6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

PLEASE SEND LAB REPORT TO:
BRUCE EULIAN
Blasland, Bouck & Lee, Inc.
C/O GE POWER TRANSFORMER DEPT.
MAIL CODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.19.08

PROJECT NAME: PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID/SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	VOCS (METHOD 8240)	1,2,4 TRI CHLORO BENZENE (METHOD 8270)				REMARKS
PL-NSF012		11/3/94	1310		X	X			2	X	X				RUSH TURNAROUND
PL-NSF013		11/3/94	1345		X	X			2	X	X				
PL-NSF044		11/3/94	1430		X	X			2	X	X				
PL-NSF047		11/3/94	1630		X	X			2	X	X				

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	11/				

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[signature]	[illegible]	[signature]			

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
				DELIVERED TO SYRACUSE O&G LAB

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
20.19.08	PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID (SOIL)	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8080)					REMARKS
PL-NSF-C20		11-94	1030		X	X			1	X					
PL-NSF-C21			1400		X	X			1	X					
PL-NSF-C22			1420		X	X			1	X					
PL-NSF-C23			1440		X	X			1	X					
PL-NSF-C24			1500		X	X			1	X					
PL-NSF-C25			1520		X	X			1	X					
PL-NSF-C26			1540		X	X			1	X					
PL-NSF-C27			1600		X	X			1	X					
PL-NSF-C28			1620		X	X			1	X					
PL-NSF-C29			1640		X	X			1	X					
PL-NSF-C30			1700		X	X			1	X					

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[signature]	11/1/94 1700		[signature]	11/8/94 0800	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS	
		[signature]		DELIVERED TO PITTSFIELD OFFICE UNDER CUSTODY	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
201.19.08	Plastics New Security Fence Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID SOIL	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (Method 8082)					REMARKS
PL-NSF-C31		11-8-94	1000		X	X			1	X					
PL-NSF-C32		11-8-94	1030		X	X			1	X					
PL-NSF-C33		11-8-94	1100		X	X			1	X					
PL-NSF-C48		11-8-94	1130		X	X			1	X					
PL-NSF-C49		11-8-94	1200		X	X			1	X					
PL-NSF-C50		11-8-94	1230		X	X			1	X					
PL-NSF-C51		11-8-94	1300		X	X			1	X					
PL-NSF-C52		11-8-94	1330		X	X			1	X					
PL-NSF-C53		11-8-94	1430		X	X			1	X					
PL-NSF-C54		11-8-94	1500		X	X			1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	11-8-94 1500		[signature]	11/9/94 0820	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
		[signature]	11/9/94 0820	DELIVERED TO PITTSFIELD BBL LABORATORY	

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

PLEASE SEND LAB REPORT TO:
BRUCE EULIAN
Blasland, Bouck & Lee, Inc.
C/O GE POWER TRANSFORMER DEPT.
MAIL CODE D-32
100 WOODLAWN AVE.
PITTSFIELD, MA 01201

CHAIN OF CUSTODY RECORD

PROJECT NO.: 201.17.08
PROJECT NAME: PLASTICS NEW SECURITY FENCE SAMPLING

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	VOCS (METHOD 8240)	1,4-DIOXANE (METHOD 8020)				REMARKS
PL-NSF-050		11/8/94	1230		X	X			2	X	X				* RUSH TURNAROUND *
PL-NSF-052		11/8/94	1330		X	X			2	X	X				
PL-NSF-053		11/8/94	1430		X	X			2	X	X				
TRIP BLANK		11-8-94	—		X			X	1	X					

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
[signature]	11-8-94 1430		[signature]	11/8/94 1700	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
				SENT TO SYRACUSE, NY OBG LABORATORY FED EX# 2186685572

Blasland, Bouck & Lee, Inc.
6723 Tow Path Road, Box 66, Syracuse, New York 13214
(315) 446-9120

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
201.19.08	Plastics New Security Fence Sampling

LAB ID	CUSTODY TAPE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE TYPE: SOLID Soil	SAMPLE TYPE: WIPE	SAMPLE TYPE: WATER	NO. OF CONTAINERS	PCBs (METHOD 8082)						REMARKS
PL-HYD-1		11-29-94	0915		X	X			1	X						
PL-HYD-2		11-21-94	0925		X	X			1	X						
PL-HYD-3		11-28-94	0935		X	X			1	X						
PL-HYD-4		11-28-94	0945		X	X			1	X						
PL-HYD-5		11-29-94	0955		X	X			1	X						
PL-HYD-6		11-29-94	1010		X	X			1	X						
PL-HYD-7		11-29-94	1020		X	X			1	X						
PL-HYD-8		11-29-94	1030		X	X			1	X						
PL-HYD-9		11-29-94	1040		X	X			1	X						
PL-HYD-10		11-29-94	1050		X	X			1	X						
PL-HYD-11		11-29-94	1100		X	X			1	X						
PL-HYD-12		11-29-94	1110		X	X			1	X						
PL-HYD-13		11-29-94	1120		X	X			1	X						
PL-HYD-14		11-29-94	1130		X	X			1	X						
PL-HYD-15		11-29-94	1140		X	X			1	X						

SAMPLED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	11-29-94 1140			11/30/94 1220	
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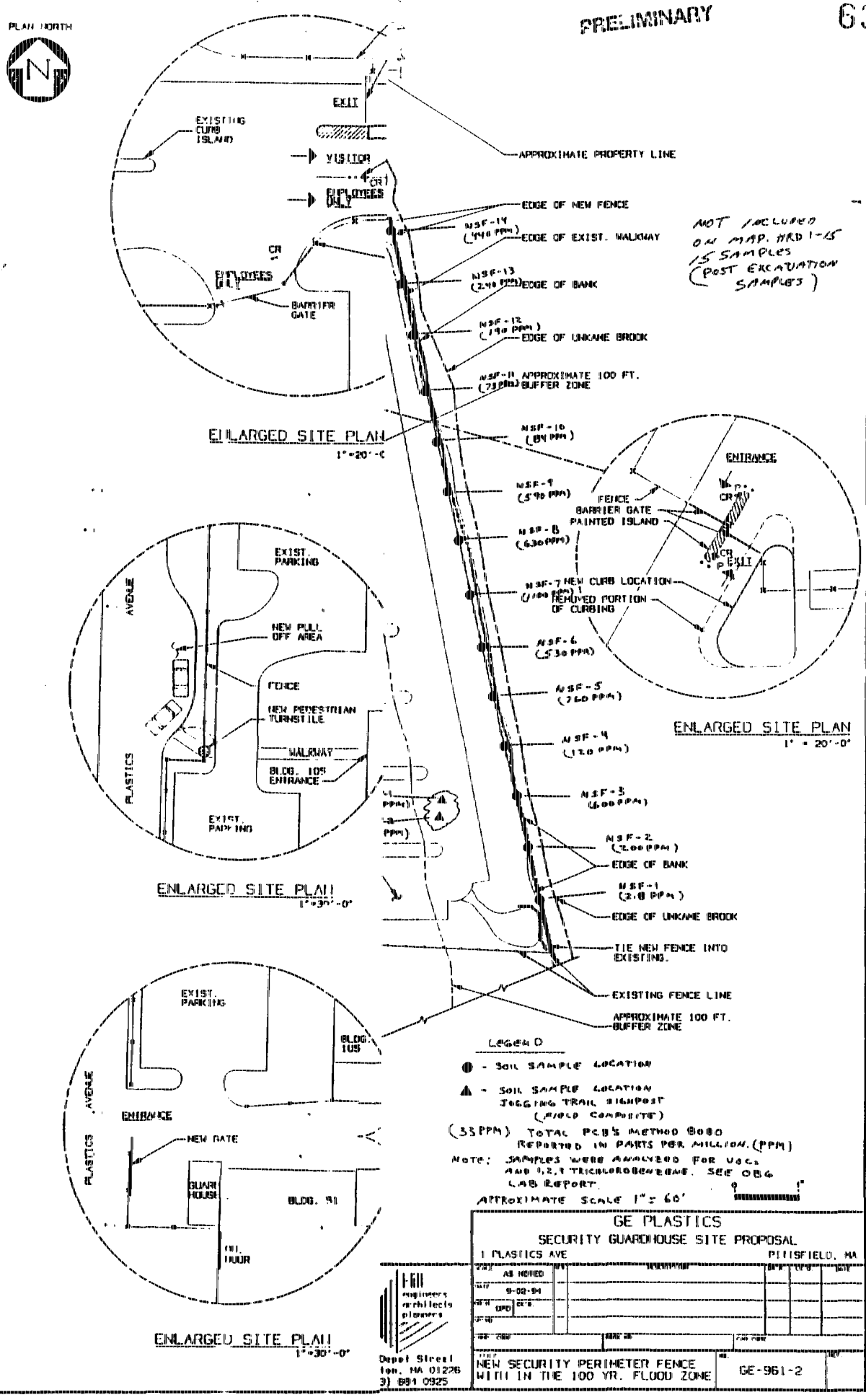
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
			11/29/94 1220	DELIVERED TO PITTSFIELD OBG LAB	

PRELIMINARY

63



GE PLASTICS

SECURITY GUARDHOUSE SITE PROPOSAL

1 PLASTICS AVE PITTSFIELD, MA

AS NOTED				
9-08-94				
DRD				

Hill engineers architects planners

Depot Street
Ion, MA 01226
3) 681 0925

NEW SECURITY PERIMETER FENCE WITH IN THE 100 YR. FLOOD ZONE

GE-961-2

Appendix P

"Summary of 1991 Activities, Building 51 and 59 Areas," Report by Groundwater Technology, Inc., March 1992

GROUNDWATER TECHNOLOGY, INC.

131 Wayside Avenue, West Springfield, MA 01089 (413) 788-9601
Fax: (413) 787-9912

March 27, 1992 Refer: 01121-5012

Mr. John Ciampa
General Electric Company
100 Woodlawn Avenue, Building 11-205
Pittsfield, Massachusetts 01201

Subject: Finalized 1991 Summary Report
Building 51/59 Monitoring
General Electric Facility
Pittsfield, Massachusetts

Dear John:

Enclosed are four (4) bound copies of the final report entitled, "Summary of 1991 Activities, Building 51 and 59 Areas, General Electric Company Facility, Pittsfield, Massachusetts." If you have any questions regarding the enclosed report, please call us at the above location.

If we may serve you in any other way, please feel free to contact us.

Sincerely,

Groundwater Technology, Inc.

Fritzi S. Griffis, P.E.
Project Engineer
Project Manager

Groundwater Technology, Inc.

Robert S. Brackett
Project Hydrogeologist
Operations Manager

FSG/RSG/car
GE1.08

Enclosures

Copy: Mr. Andy Silfer, Blasland & Bouck Engineers

GROUNDWATER TECHNOLOGY, INC.

111 Wayside Avenue, West Springfield, MA 01089-4121 (413) 788-9601
Fax: (413) 787-9912

SUMMARY OF 1991 ACTIVITIES BUILDING 51 AND 59 AREAS

GENERAL ELECTRIC COMPANY FACILITY PITTSFIELD, MASSACHUSETTS

MARCH 1992

Prepared for:
General Electric Company
100 Woodlawn Avenue
Building 11-205
Pittsfield, Massachusetts

Groundwater Technology, Inc.
Written/Submitted by:

Fritzi S. Griffis, P. E.
Project Engineer
Project Manager

Groundwater Technology, Inc.
Reviewed/Approved by:

Robert S. Brackett
Project Hydrogeologist
Operations Manager

GE1.07

TABLE OF CONTENTS

1.0 BACKGROUND

General Electric Company (GE) of Pittsfield, Massachusetts retained Groundwater Technology, Inc. (Groundwater Technology) in February of 1988 to perform monthly monitoring of the groundwater monitoring wells in the Building 51 Area of the Pittsfield Facility. **Figure 1**, the Site Location Map, presents the location and topography of the site and surrounding area.

During 1991, the scope of work performed by Groundwater Technology consisted of monthly site visits for the purpose of gauging the depth to water in fifteen to eighteen monitoring wells in the Building 51 and 59 Areas, determining the petroleum thickness in each gauged well, if present, and bailing petroleum from each well containing a significant thickness at the time of gauging. The recovered petroleum was disposed of by GE. In January of 1991, Groundwater Technology monitored fifteen wells; in February, 1991, GE expanded the scope of work to add six wells and remove three from the list of wells monitored each month, bringing the total number of wells gauged to eighteen. The Site Map (**Figure 2**) depicts the location of each of the monitoring wells.

Each month, Groundwater Technology summarized the gauging data and volume of petroleum bailed on a well monitoring form and estimated the groundwater contours from the calculated corrected water table elevations. The well monitoring forms and groundwater contour maps were then submitted to GE. **Appendix A** contains a copy of each well monitoring form prepared during 1991; **Appendix B** contains a groundwater contour map for each month.

2.0 GROUNDWATER MONITORING DATA

Table I lists the various wells monitored during 1991 in the Building 51/59 Area. All wells are 2 inches in diameter, with the exception of well 51-21, which is four inches in diameter. **Table I** also summarizes the highest, lowest, and average corrected water table elevations for each well for which top-of-casing elevations were available. The highest elevations were generally observed in either January or March; the lowest elevations were observed for most wells in the month of July, except for those wells which were inaccessible during part of 1991 (51-3, 51-7, and 51-8) and well 51-20, for which the lowest elevation occurred in November.

The average corrected water table elevation for each well was calculated as a numerical average of all available data during 1991. Note that some wells were inaccessible for several months: well 51-3 was monitored eight months (January through August), well 51-7 was monitored only four months (January through April), well 51-8 was monitored every month except July, and well 51-15 was monitored only seven months (January through July). These wells were covered during the remainder of the year with a soil pile. The well monitoring reports in **Appendix A** provide more detail of the monthly water table elevations.

TABLE I

Variations in Water Table Elevations in 1991

General Electric Facility
Building 51/59 Area
Pittsfield, Massachusetts

Well ID[1]	Highest Corrected Water Table Elevation (ft)	Lowest Corrected Water Table Elevation (ft)	Average[2] Corrected Water Table Elevation (ft)
51-3 [3]	986.29	985.02	985.8
51-5	986.32	984.92	985.7
51-7 [4]	986.31	986.02	986.2
51-8 [5]	986.18	984.91	985.6
51-14	986.15	984.72	985.5
51-15 [6]	986.25	984.89	985.8
51-16	986.22	984.92	985.6
51-17	986.14	984.76	985.5
51-18	986.20	984.89	985.6
51-19	986.09	984.73	985.5
51-20	986.96	984.78	985.6
51-21	986.12	984.75	985.5
34B	986.42	984.73	985.7
35B	985.99	984.62	985.3
37B	985.95	984.74	985.4
38B	987.35	984.27	986.0

Notes:

[1] Well 51-12 was excluded because corrected water table elevations are suspect. Wells 51-9, 59-1, 59-3, and 59-7 were excluded because accurate top-of-casing elevations are not available.

[2] Numerical 12-month average for each well.

[3] Well 51-3 was only monitored during January through August; the average is based on 8 months.

[4] Well 51-7 was only monitored during January, February, March, and April; the average is based on 4 months.

[5] Well 51-8 was not monitored during July; the average is based on 11 months.

[6] Well 51-15 was only monitored during January through July; the average is based on seven months.

Corrected water table elevations were averaged for each month of the year to determine the months of average high and low water table elevations. These numerical averages of each month's data revealed that the average highest corrected water table elevation occurred in March, at 986.4 feet. The average lowest corrected water table elevation occurred in July, at 985.0 feet. Note that the elevations are relative to a datum established by Geraghty & Miller, Inc.

The groundwater contour map for March, 1991 (highest average groundwater elevation) indicates a depressed water table surface in wells 51-16 and in the vicinity of 35-B and 37-B. Groundwater flow is toward wells 51-16 from the east and southeast and toward wells 37-B and 35-B from the north and west, with an average hydraulic gradient of approximately 0.002 feet/foot (**Figure 3**).

In July, the month with the lowest water table elevation, groundwater flow is primarily to the northeast with an approximate hydraulic gradient of 0.002 feet/foot (**Figure 4**). The elevation in well 35-B remains relatively low, whereas the elevation in 51-6 is now higher then surrounding wells. Local groundwater flow at the site is variable, and most likely affected by the presence of the storm drainage line, surface runoff, and site construction.

In the general area of the site, regional topography and the location of surface water bodies suggests a regional groundwater flow direction toward the east (**Figure 1**). According to GE personnel, this observation is consistent with recent water levels collected by Geraghty & Miller as part of the phased MCP investigation.

3.0 PETROLEUM THICKNESS AND RECOVERY DATA

Wells 51-7 and 59-1 were seldom bailed during the course of the year, but the following nine wells were bailed several times during 1991: 51-5, 51-8, 51-15, 51-16, 51-17, 51-19, 51-21, 59-3, and 59-7. Graphs illustrating the measured petroleum thickness in each of these nine wells were prepared by plotting the measured water table elevations and the measured petroleum elevations. The differences between these elevations represent apparent petroleum thickness as indicated by the wells. However, it should be pointed out that the measured thickness of the oil layer in a monitoring well may not yield reliable estimates of the amount of oil in the subsurface. The actual petroleum thickness in the formation is typically less than the measured thickness in the well[1].

Figures 5 through 11 present the plots of measured petroleum thickness by well in the order listed above. If bailing occurred after gauging, that fact is indicated on the graphs by the letter "B" appearing above the point representing the actual petroleum elevation. Note from **Appendix A** that top-of-casing elevations were not available for wells 59-3 and 59-7 and were altered during roadbox construction; therefore, only petroleum thicknesses were plotted for these wells (**Figures 12 and 13**).

In general, the graphs indicate that the apparent petroleum thicknesses in the wells remain relatively constant throughout the year, and changes in petroleum elevations closely follow changes in groundwater elevations. The exceptions to this pattern were wells 59-3 and 59-7, where apparent petroleum thickness increased in the latter half of the year, potentially due to southern migration of the separate-phase petroleum plume. However, the lack of monitoring data before this date precludes confirmation of this as a trend.

Figure 14 presents a site map showing the minimum and maximum measured petroleum thickness in each well during 1991, apparent location, and estimated extent of the separate-phase petroleum plume in the Building 51/59 Area. Note that the wells with significant separate-phase petroleum are in the vicinity of the storm drain line indicated on the map. This may be indicative of a preferential migration pathway for the petroleum in the trench backfill.

[1] Abdul, Abdul S., Sheila F. Kia, and Thomas L. Gibson, "Limitations of Monitoring Wells for the Detection and Quantification of Petroleum Products in Soils and Aquifers", Groundwater Monitoring Review, Volume 9, No. 2, Spring 1989; and other articles.

Table II summarizes the greatest apparent thickness of liquid-phase petroleum measured during each calendar month and the well in which it was detected. During January through October, well 51-17 contained the greatest thickness of liquid-phase petroleum; however, during November and December, well 51-5 contained the greatest thickness of petroleum. As shown on the site map, well 51-5 is located west of well 51-17; both wells are near the storm drain line shown on the map.

Tables II and III summarize the petroleum recovery data by well and by month. During 1991, a total of 128 quarts (32 gallons) were manually removed from monitoring wells in the Building 51/59 Area. The measurements of volume bailed were made by the technician using a 10-quart bucket with graduated markings on the side. After each well was bailed, the technician transferred the petroleum to a 5-gallon pail with a lid for transporting. As shown in **Table III**, wells 51-17 and 51-21 produced the greatest volume, averaging approximately 3 or more quarts each visit. Wells 51-5, 51-8, and 51-19 all produced an average volume of about 1 quart per visit. A total of approximately 9 to 12 quarts were bailed each month.

TABLE II

Summary of Liquid Phase Petroleum Thickness and Volume Recovered from Monitoring Wells in 1991

General Electric Facility
Building 51/59 Area
Pittsfield, Massachusetts

Month	Greatest Thickness of Liquid-Phase Petroleum Measured (ft)	Well Containing Greatest Thickness	Amount Bailed from that Well (qts)	Total Amount Bailed During Month (qts)	Percent of Total Bailed from Well with Greatest Thickness
January	1.64	51-17	3	10.25	29.27
February	1.71	51-17	2.75	10.25	26.83
March	1.67	51-17	2	9.00	22.22
April	1.77	51-17	2.5	9.75	25.64
May	1.72	51-17	3	11.75	25.53
June	1.75	51-17	3	12.00	25.00
July	1.72	51-17	2.75	10.50	26.19
August	1.67	51-17	3	11.00	27.27
September	1.61	51-17	3.25	11.75	27.66
October	1.63	51-17	2.75	12.00	22.92
November	1.85	51-5	1.25	10.00	12.50
December	1.67	51-5	1	10.06	9.94
Total Volume of Separate-Phase Petroleum Recovered During 1991				128 qts.	

TABLE III

Summary of Maximum and Minimum Petroleum Thickness and Volume Recovered in Each Well During 1991

General Electric
Building 51/59 Area
Pittsfield, Massachusetts

Well ID	Maximum Product Thickness (ft)	Minimum Product Thickness (ft)	Month of Maximum	Month of Minimum	Number Times Bailed During 1991	Average[1] Amount Bailed Each Visit (qts)
51-3	.08	.02	January May	February	0	0
51-5	1.85	.83	November	January	12	.92
51-6	.03	NA[2]	January	NA[2]	0	0
51-7	.86	.19	April	January	1	.38
51-8	1.73	1.37	June	January	11	1.05
51-9	0	0	NA	NA	NA	NA
51-11	0	NA[2]	January	NA[2]	NA	NA
51-12	0	0	NA	NA	NA	NA
51-13	0	NA[2]	January	NA[2]	NA	NA
51-14	0	0	NA	NA	NA	NA
51-15	1.39	.84	June	January	7	.55
51-16	1.46	.19	August	March	9	.69
51-17	1.77	1.61	April	September	12	2.81
51-18	0	0	NA	NA	NA	NA
51-19	1.66	1.23	April	November	12	.91
51-20	0	0	NA	NA	NA	NA
51-21	1.69	1.21	June	November	12	3.72
59-1	.99	.05	September	February	1	.75
59-3	1.27	.04	July	February	5	.70
59-7	1.45	.32	November	May	3	.60
34B	0	0	NA	NA	NA	NA
35B	0	0	NA	NA	NA	NA
37B	0	0	NA	NA	NA	NA
38B	0	0	NA	NA	NA	NA

Notes: NA = Not Applicable
[1]Excluding months when well was not bailed.
[2]After January, wells 51-6, 51-11, and 51-13 were no longer monitored.

4.0 OBSERVATIONS

Groundwater Technology observed that, in general, well 51-12 was not useful for estimating groundwater contours, since analysis tended to produce a corrected water table elevation four feet higher than the surrounding wells. The reason for this is unknown, although it is most likely attributable to the construction or condition of the well. It does not appear that the top-of-casing measurement is in error in a quantity needed to explain the discrepancy.

Prior to 1991, petroleum appeared to migrate along the storm drain line between Buildings 53 and 108 from the area of well 51-17 to well 51-19. Monitoring before November of 1989 revealed only trace levels of petroleum, less than 0.05 feet. In 1990, thicknesses ranged from 0.77 feet to 1.76 feet during January and August through December, probably times of higher water table elevations. The thicknesses decreased to less than 0.1 feet during other months, probably as the water table elevation lowered; only a sheen was present during months of June and July. During 1991, apparent petroleum thicknesses were regularly above one foot, as depicted in **Figure 10**.

The technician performing the monitoring work for Groundwater Technology reported that he was able to bail well 51-17 twice each month. After gauging the well and bailing the petroleum which had accumulated the previous month, he returned to the well one to three hours later and observed that petroleum had recharged to nearly the same thickness as at the beginning of the day; therefore, he also removed the petroleum which had recharged.

Note from the gauging summaries in **Appendix A** that the amount of petroleum recovered each month from wells 51-17 and 51-21 are similar; although 51-17 was bailed twice each month and 51-21 was only bailed once, 51-21 is a four-inch well, where 51-17 is only a two-inch well. The larger diameter of well 51-21 allows a greater volume of petroleum to be present in the well under equilibrium conditions.

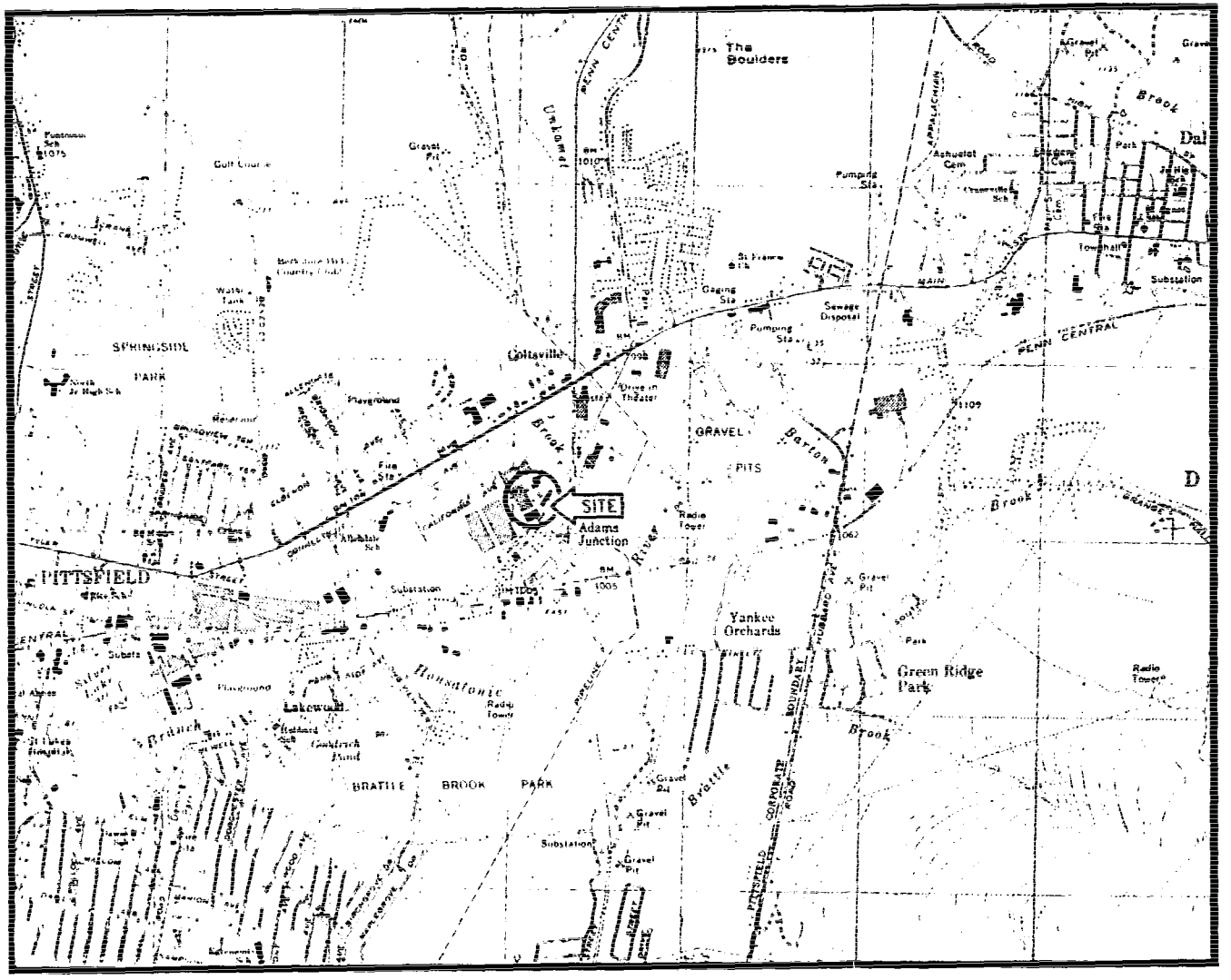


FIGURE 1

SITE LOCATION MAP

PROJECT: GE BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-6850

U.T.M. 1,000 METER GRID ZONE 18, 647,178m E, 4,702,242m N

LAT., LONG.: 42°27'37"N 73°12'34"E

SOURCES: U.S.G.S. PITTSFIELD EAST, MA. (PR 1973) AND PITTSFIELD WEST, MA (PR 1973) QUADRANGLE MAPS.

0 0.5
MILES

SCALE: 1" = 2083'

DRAWN BY: J. KELLIHAY JANUARY 24, 1992

6850-10

GROUNDWATER TECHNOLOGY, INC.

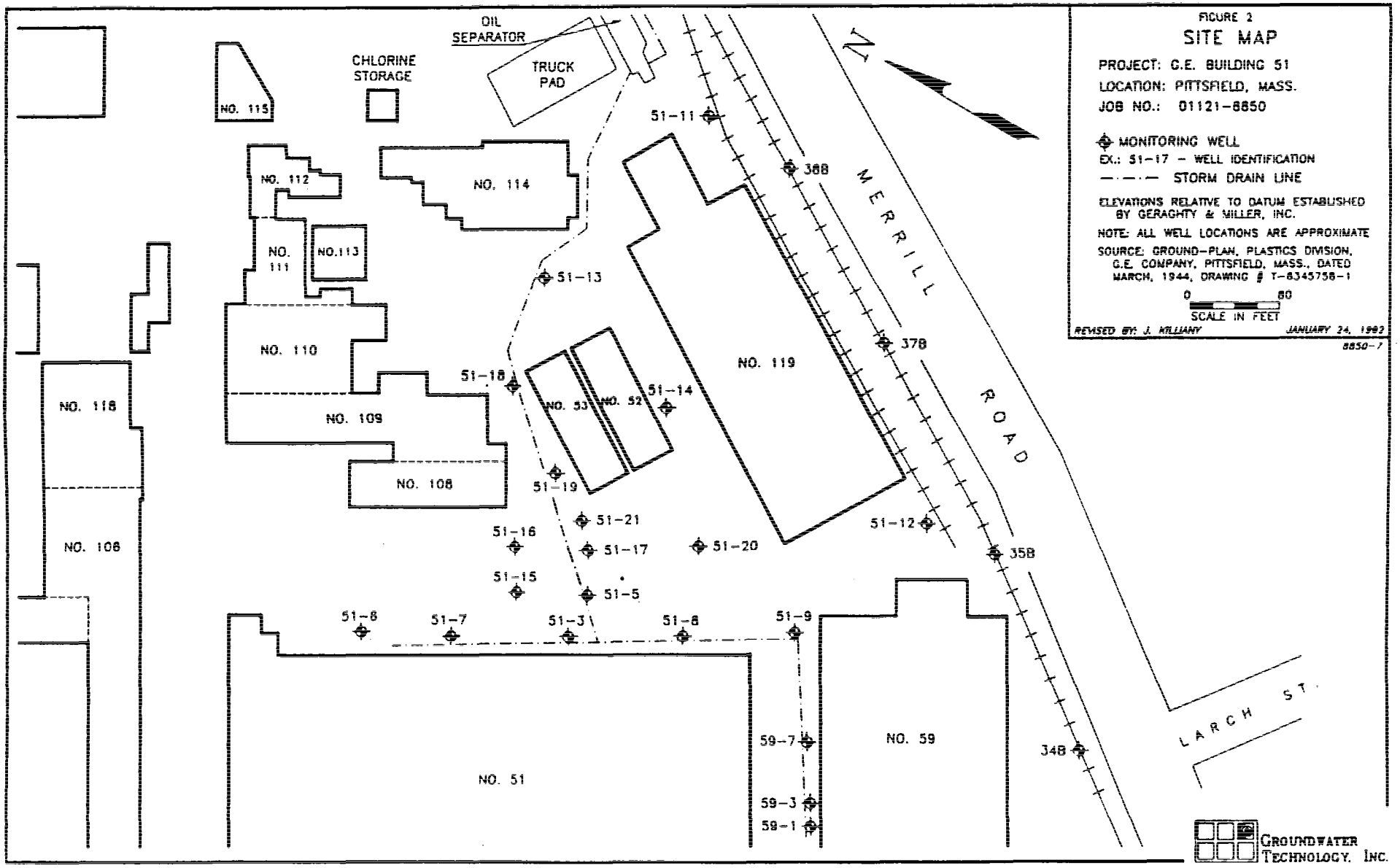


FIGURE 2
SITE MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-6850
MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
STORM DRAIN LINE
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6345756-1
0
80
SCALE IN FEET
REVISED BY: J. MILLIARY
JANUARY 24, 1992
8850-1
OIL SEPARATOR
TRUCK PAD
CHLORINE STORAGE
NO. 115
NO. 112
NO. 114
NO. 111
NO.113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 119
NO. 53
NO. 52
NO. 51
NO. 59
MERRILL ROAD
LARCH ST
51-11
51-13
51-18
51-14
51-19
51-21
51-16
51-17
51-20
51-12
51-15
51-5
51-8
51-7
51-3
51-6
51-9
59-7
59-3
59-1
36B
37B
35B
34B
GROUNDWATER TECHNOLOGY, INC.

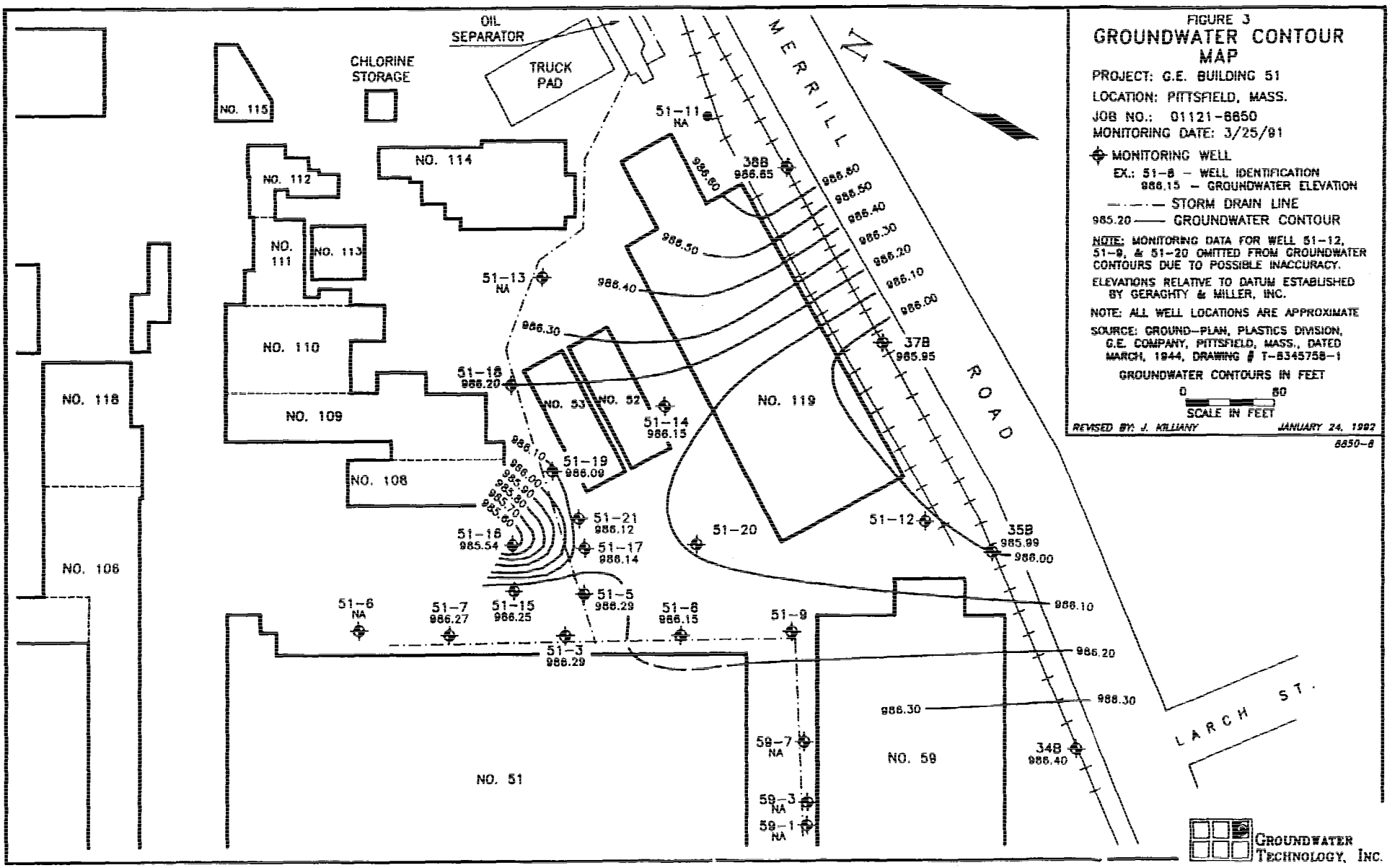


FIGURE 3

GROUNDWATER CONTOUR MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8650

MONITORING DATE: 3/25/91

◈ MONITORING WELL

EX.: 51-8 – WELL IDENTIFICATION
986.15 – GROUNDWATER ELEVATION

— · — · — STORM DRAIN LINE

985.20 —— GROUNDWATER CONTOUR

NOTE: MONITORING DATA FOR WELL 51-12, 51-9, & 51-20 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345758-1

GROUNDWATER CONTOURS IN FEET

0 80

SCALE IN FEET

REVISED BY: J. KILLIANY JANUARY 24, 1992

8650-8

GROUNDWATER TECHNOLOGY, INC.

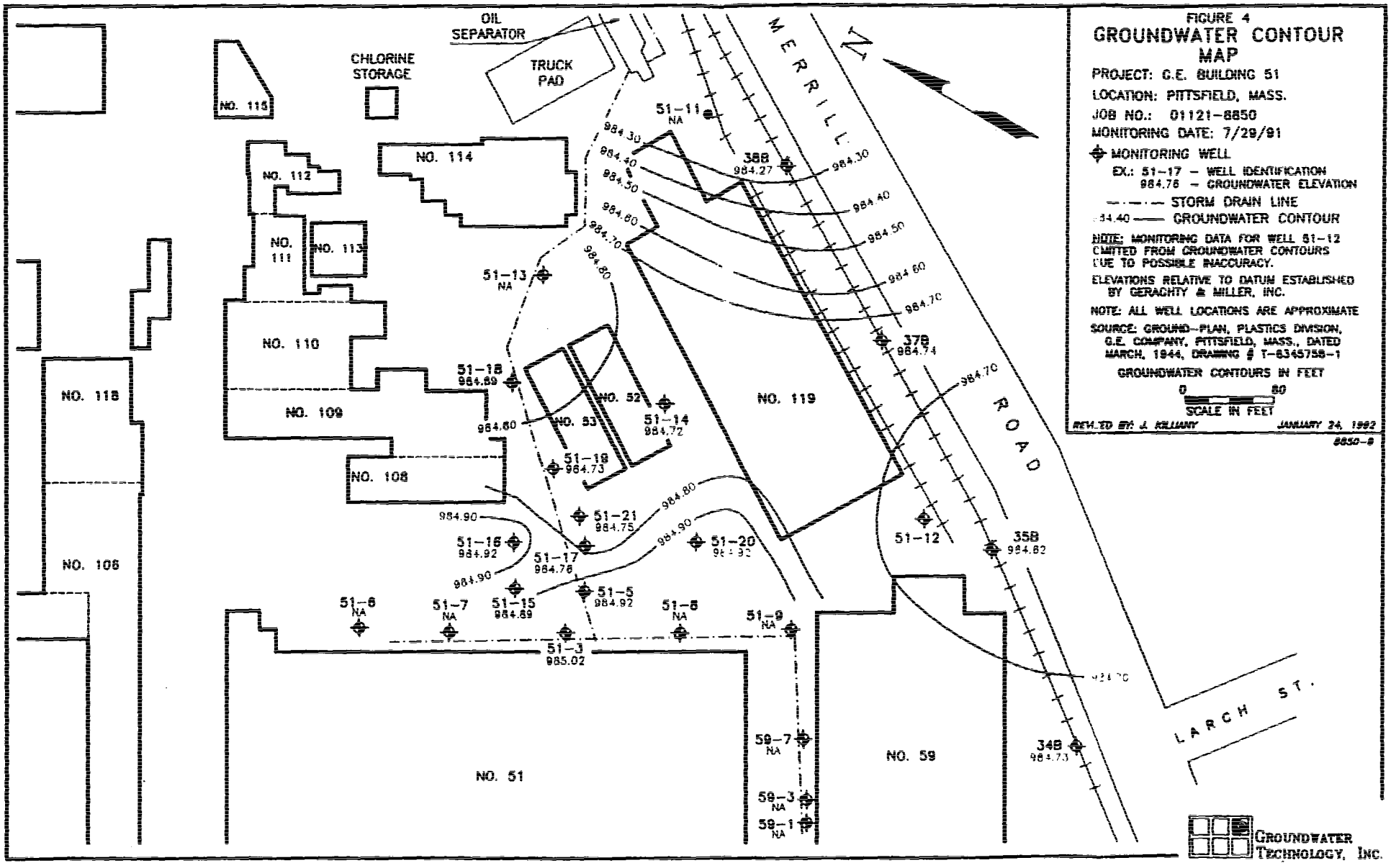


FIGURE 4

GROUNDWATER CONTOUR MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8850

MONITORING DATE: 7/29/91

⊕ MONITORING WELL

EX.: 51-17 – WELL IDENTIFICATION
984.76 – GROUNDWATER ELEVATION

—·—·— STORM DRAIN LINE

984.40 —— GROUNDWATER CONTOUR

NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345758-1

GROUNDWATER CONTOURS IN FEET

0 80

SCALE IN FEET

REVISED BY: J. KILLIANY JANUARY 24, 1992

8850-8

GROUNDWATER TECHNOLOGY, INC.

Figure 5

Variations in Petroleum Thickness
Well 51-5

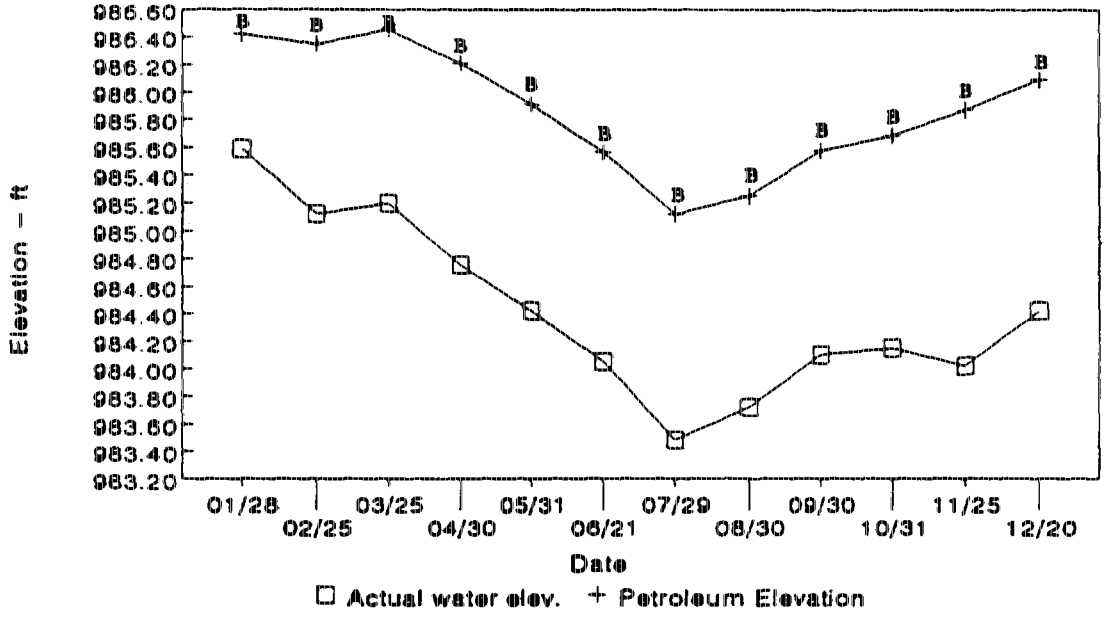


Figure 6

Variations in Petroleum Thickness
Well 51-8

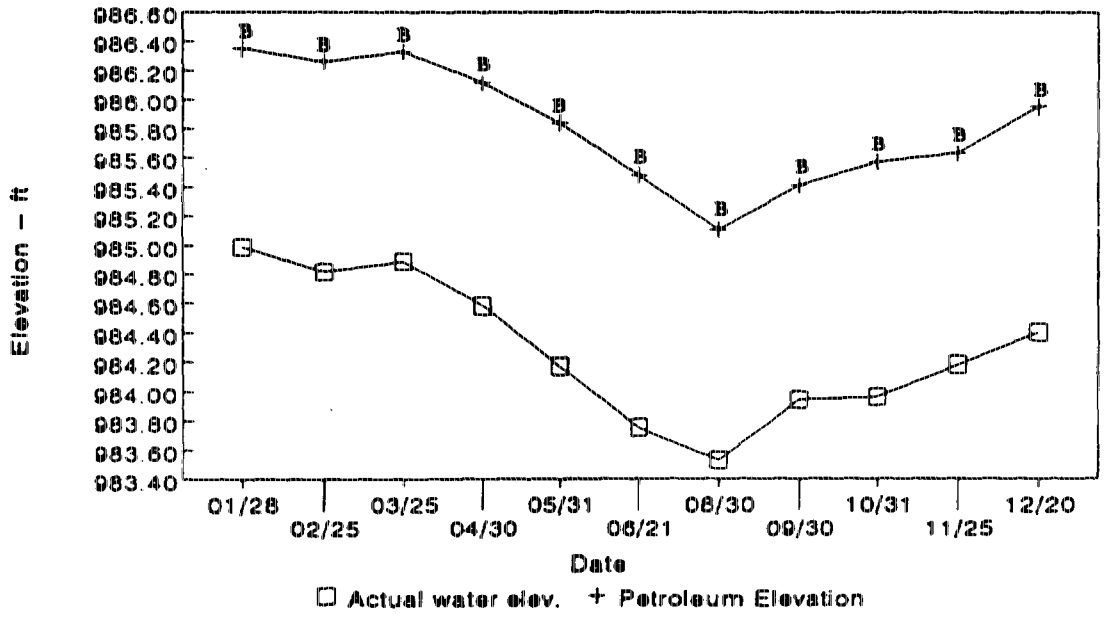


Figure 7

Variations in Petroleum Thickness
Well 51 – 15

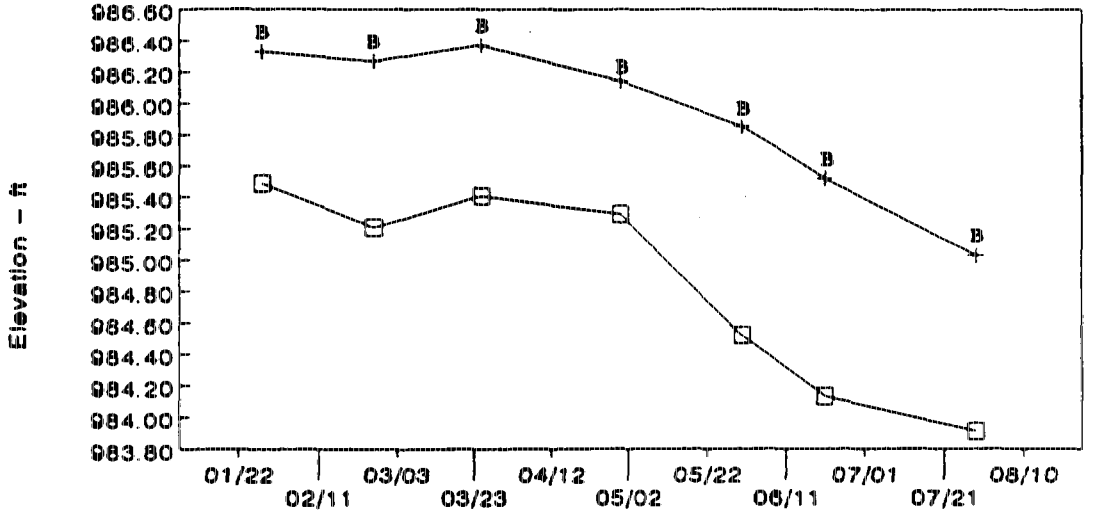
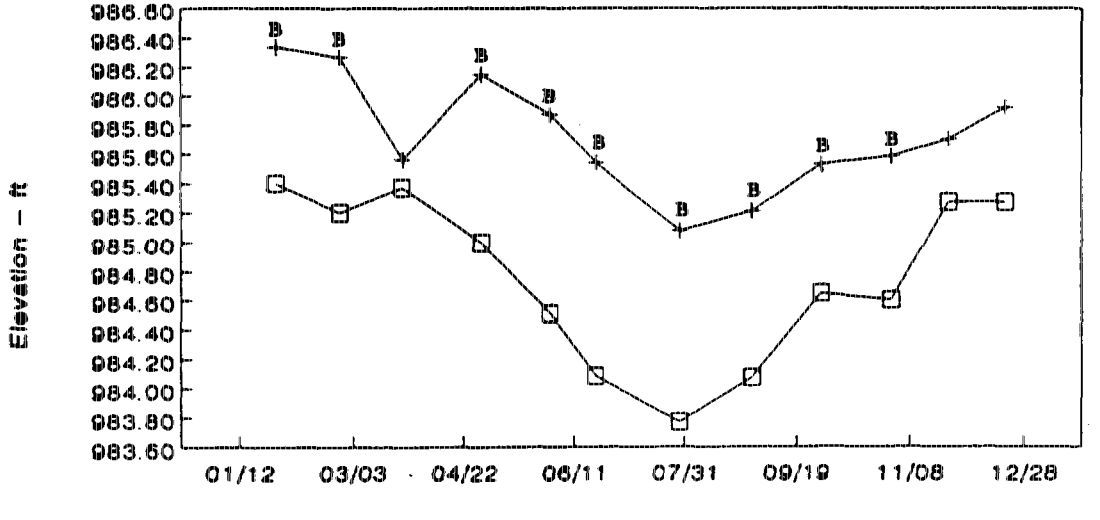


Figure 8

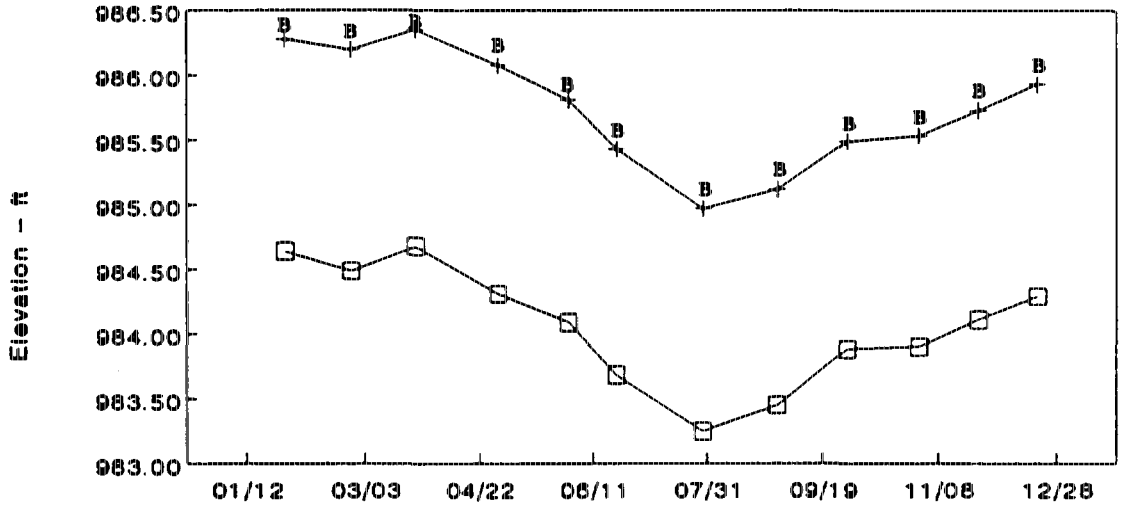
Variations in Petroleum Thickness
Well 51 – 16



B Well Bailed.

Figure 9

Variations in Petroleum Thickness
Well 51 – 17

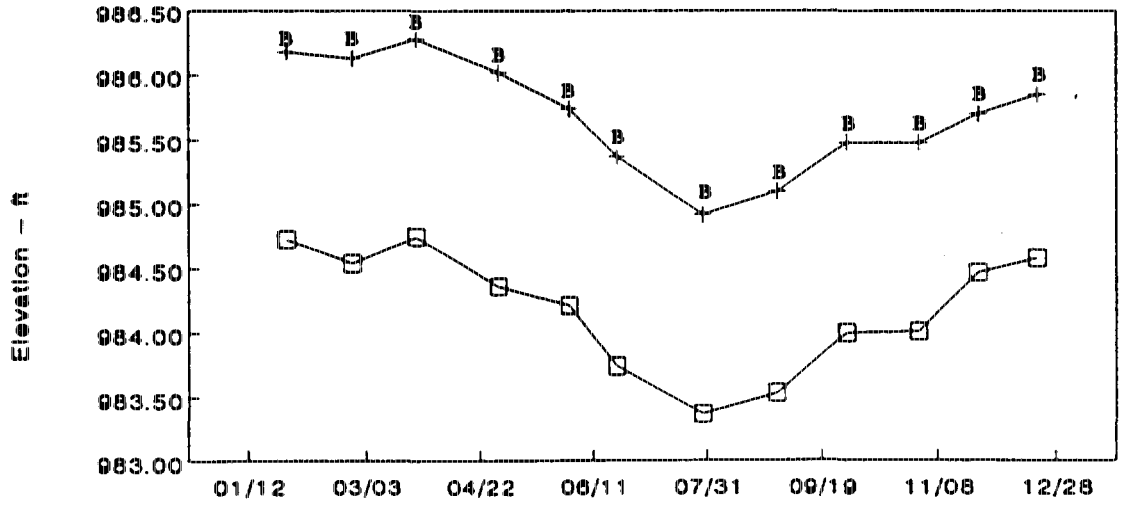


Date

□ Actual water elev. + Petroleum Elevation

Figure 10

Variations in Petroleum Thickness
Well 51 – 19

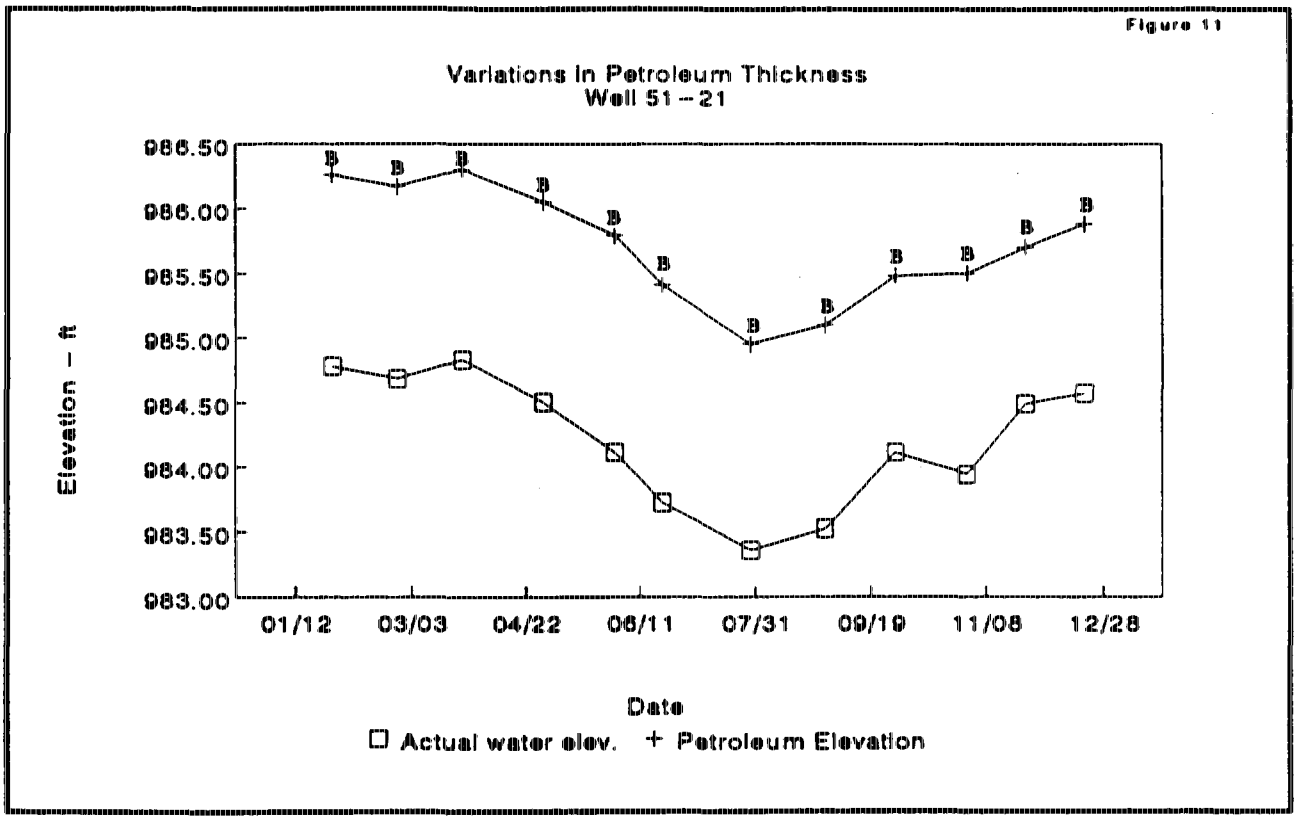


Date

□ Actual water elev. + Petroleum Elevation

B Well Bailed.

Figure 11



B Well Bailed.

Figure 12

Variations in Petroleum Thickness
Well 59-3

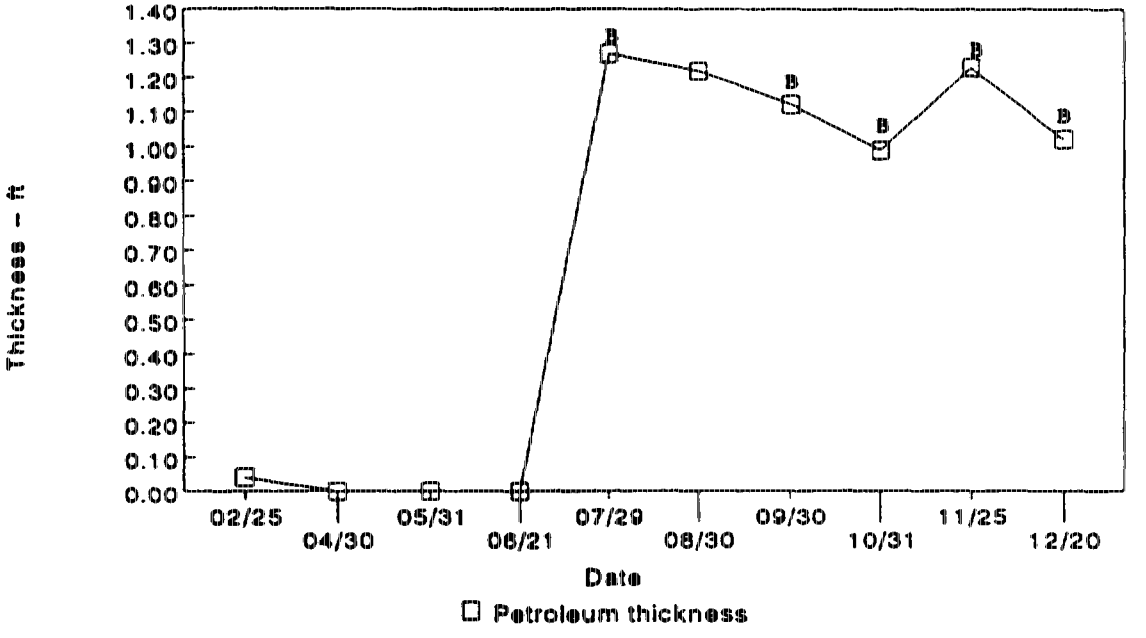
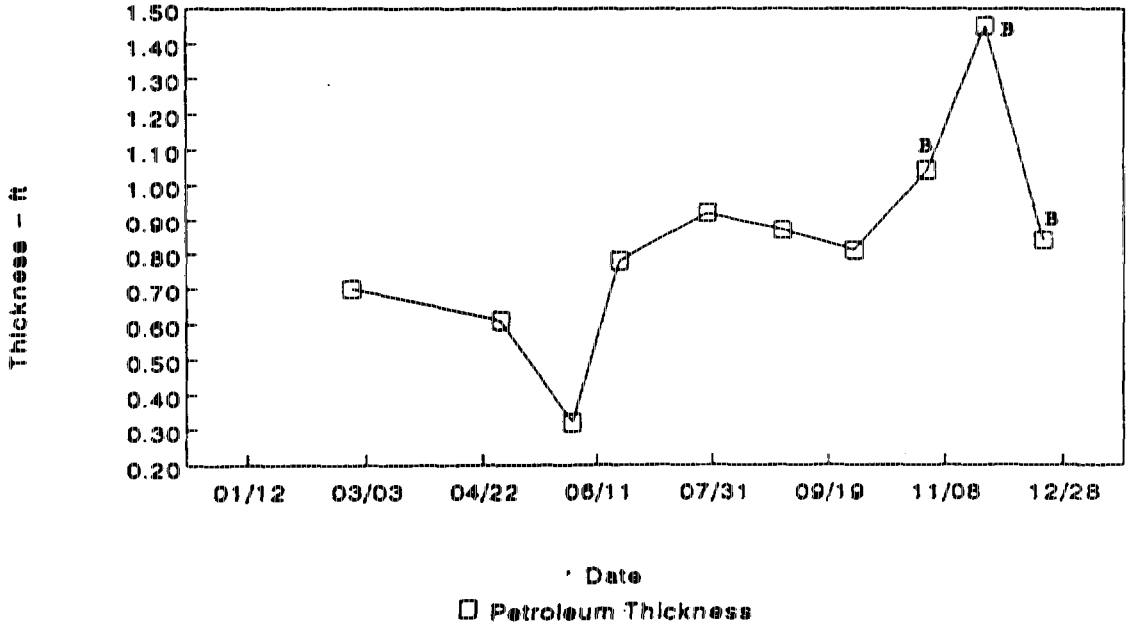


Figure 13

Variations in Petroleum Thickness
Well 59-7



B Well Bailed.

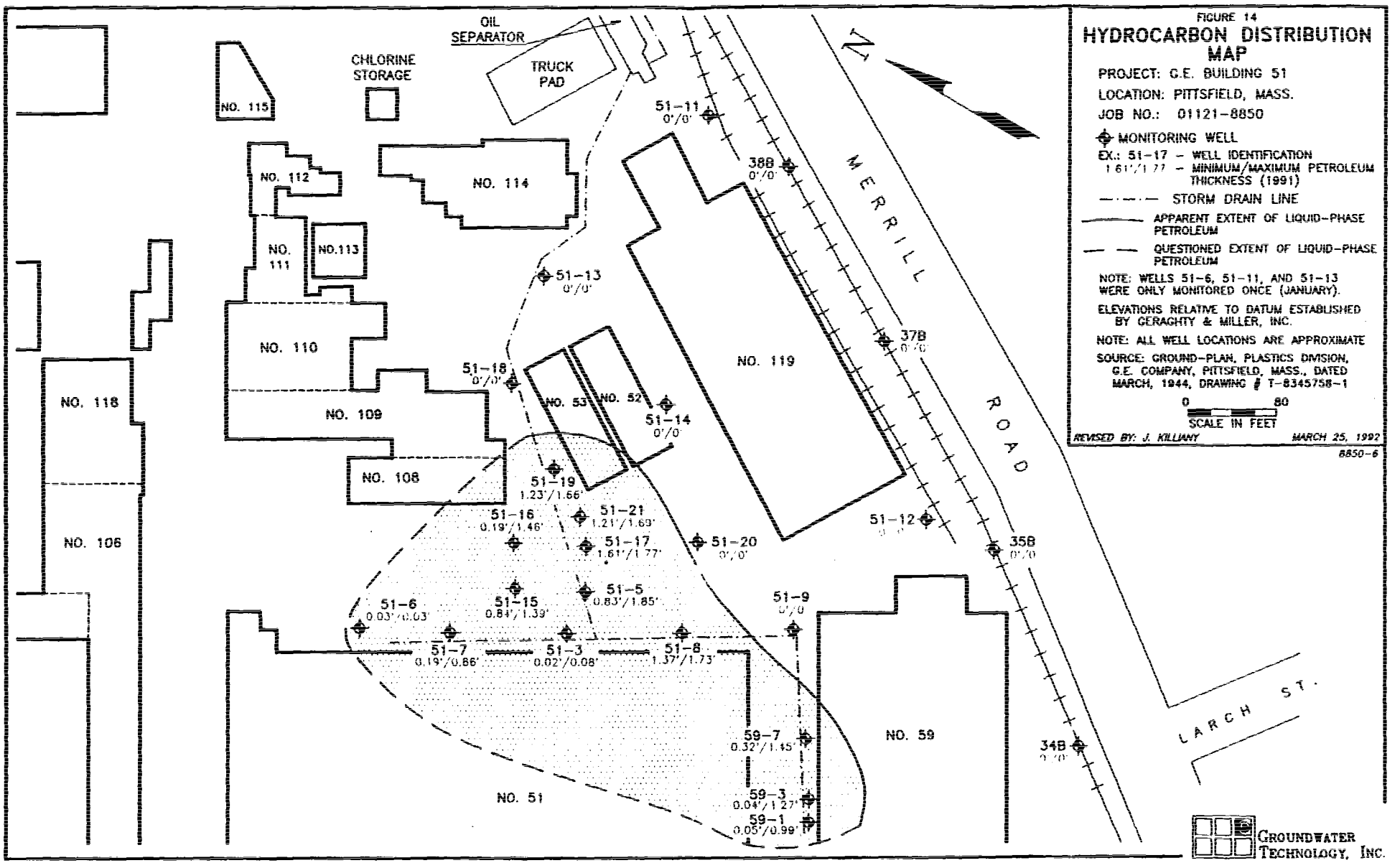


FIGURE 14

HYDROCARBON DISTRIBUTION MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8850

MONITORING WELL

EX.: 51-17 – WELL IDENTIFICATION
1.61'/1.77 – MINIMUM/MAXIMUM PETROLEUM THICKNESS (1991)

STORM DRAIN LINE

APPARENT EXTENT OF LIQUID-PHASE PETROLEUM

QUESTIONED EXTENT OF LIQUID-PHASE PETROLEUM

NOTE: WELLS 51-6, 51-11, AND 51-13 WERE ONLY MONITORED ONCE (JANUARY).

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345758-1

0 80
SCALE IN FEET

REVISED BY: J. KILLIANY MARCH 25, 1992

8850-6

GROUNDWATER TECHNOLOGY, INC.

SUMMARY OF 1991 ACTIVITIES
BUILDING 51 AND 59 AREAS

GENERAL ELECTRIC COMPANY FACILITY
PITTSFIELD, MASSACHUSETTS

APPENDIX A
WELL GAUGING FORMS

MARCH 1992

Prepared for:
General Electric Company
100 Woodlawn Avenue
Building 11-205
Pittsfield, Massachusetts

GROUNDWATER
TECHNOLOGY

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51
Location: PITTSFIELD
Date: 02/25/91

Operator: D. SCHWARZ
Method: E.I.P.
Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	10.65	10.63	0.02	0.875	0.02	10.63	986.22
51-5	15	996.67	11.55	10.32	1.23	0.875	1.08	10.47	986.20
51-7	15	996.72	11.14	10.44	0.70	0.875	0.61	10.53	986.19
51-8	15	997.07	12.25	10.81	1.44	0.875	1.26	10.99	986.08
51-9	NA	NA	9.10					9.10	NA
51-12	NA	996.78	7.16					7.16	989.62
51-14	15	996.67	10.69					10.69	985.98
51-15	15	996.41	11.20	10.14	1.06	0.875	0.93	10.27	986.14
51-16	15	996.42	11.22	10.15	1.07	0.875	0.94	10.28	986.14
51-17	15	996.33	11.84	10.13	1.71	0.875	1.50	10.34	985.99
51-18	15	996.99	10.91					10.91	986.08
51-19	15	996.40	11.86	10.27	1.59	0.875	1.39	10.47	985.93
51-20	15	996.55	10.46					10.46	986.09
51-21	15	996.35	11.67	10.18	1.49	0.875	1.30	10.37	985.98
59-1	NA	NA	11.69	11.64	0.05	0.875	0.04	11.65	NA
59-3	NA	NA	11.72	11.68	0.04	0.875	0.04	11.68	NA
59-7	NA	NA	12.80	12.10	0.70	0.875	0.61	12.19	NA
348	NA	1000.43	14.01					14.01	986.42
358	NA	997.39	11.53					11.53	985.86
378	NA	995.58	9.75					9.75	985.83
388	NA	993.75	7.69					7.69	986.06

Volumes removed:

51-5	0.75 quart
51-8	0.75 quart
51-15	0.50 quart
51-16	0.50 quart
51-17	2.75 quarts
51-19	1.00 quart
51-21	4.00 quarts
	10.25 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51
Location: PITTSFIELD
Date: 01/28/91

Operator: D. SCHWARZ
Method: E.I.P.
Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	10.66	10.58	0.08	0.875	0.07	10.59	986.26
51-5	15	996.67	11.08	10.25	0.83	0.875	0.73	10.35	986.32
51-6	15	997.31	10.75	10.72	0.03	0.875	0.03	10.72	986.59
51-7	15	996.72	10.58	10.39	0.19	0.875	0.17	10.41	986.31
51-8	15	997.07	12.09	10.72	1.37	0.875	1.20	10.89	986.18
51-11	15	994.34	8.78				0.00	8.78	985.56
51-13	15	997.44	11.54				0.00	11.54	985.90
51-14	15	996.67	10.65				0.00	10.65	986.02
51-15	15	996.41	10.92	10.08	0.84	0.875	0.73	10.19	986.23
51-16	15	996.42	11.02	10.08	0.94	0.875	0.82	10.20	986.22
51-17	15	996.33	11.69	10.05	1.64	0.875	1.43	10.26	986.08
51-18	15	996.99	10.88					10.88	986.11
51-19	15	996.40	11.67	10.22	1.45	0.875	1.27	10.40	986.00
51-20	15	996.55	NS (full)					NS	NS
51-21	15	996.35	11.57	10.09	1.48	0.875	1.30	10.28	986.08

Volumes removed:

51-3	0.00 quart
51-5	0.50 quart
51-8	0.75 quart
51-15	0.50 quart
51-16	0.50 quart
51-17	3.00 quarts
51-19	1.00 quart
51-21	4.00 quarts
	10.25 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 03/25/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	10.56		sh	0.875	0.00	10.56	986.29
51-5	15	996.67	11.47	10.22	1.25	0.875	1.09	10.38	986.29
51-7	15	996.72	11.17	10.35	0.82	0.875	0.72	10.45	986.27
51-8	15	997.07	12.18	10.74	1.44	0.875	1.26	10.92	986.15
51-9	NA	NA	8.85					8.85	NA
51-12	NA	996.78	6.98					6.98	989.80
51-14	15	996.67	10.52					10.52	986.15
51-15	15	996.41	11.00	10.04	0.96	0.875	0.84	10.16	986.25
51-16	15	996.42	11.05	10.86	0.19	0.875	0.17	10.88	985.54
51-17	15	996.33	11.65	9.98	1.67	0.875	1.46	10.19	986.14
51-18	15	996.99	10.79					10.79	986.20
51-19	15	996.40	11.65	10.12	1.53	0.875	1.34	10.31	986.09
51-20	15	996.55	9.59					9.59	986.96
51-21	15	996.35	11.52	10.05	1.47	0.875	1.29	10.23	986.12
59-1	NA	NA	NA	NA	NA	0.875	NA	NA	NA
59-3	NA	NA	NA	NA	NA	0.875	NA	NA	NA
59-7	NA	NA	NA	NA	NA	0.875	NA	NA	NA
34B	NA	1000.43	14.03					14.03	986.40
35B	NA	997.39	11.40					11.40	985.99
37B	NA	995.58	9.63					9.63	985.95
38B	NA	993.75	7.10					7.10	986.65

Wells 59-1, 59-3, and 59-7 were not gauged due to concurrent road box repair.

Volumes removed:

51-5	0.75 quart
51-7	0.38 quarts
51-8	1.00 quart
51-15	0.38 quart
51-17	2.00 quarts
51-19	1.00 quart
51-21	3.50 quarts
	9.00 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51
Location: PITTSFIELD
Date: 04/30/91

Operator: D. SCHWARZ
Method: E.I.P.
Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	10.62		sh	0.875	0.00	10.62	986.23
51-5	15	996.67	11.91	10.46	1.45	0.875	1.27	10.64	986.03
51-7	15	996.72	11.45	10.59	0.86	0.875	0.75	10.70	986.02
51-8	15	997.07	12.49	10.95	1.54	0.875	1.35	11.14	985.93
51-9	NA	NA	9.09					9.09	NA
51-12	NA	996.78	7.33					7.33	989.45
51-14	15	996.67	10.83					10.83	985.84
51-15	15	996.41	11.12	10.27	0.85	0.875	0.74	10.38	986.03
51-16	15	996.42	11.42	10.27	1.15	0.875	1.01	10.41	986.01
51-17	15	996.33	12.02	10.25	1.77	0.875	1.55	10.47	985.86
51-18	15	996.99	11.04					11.04	985.95
51-19	15	996.40	12.04	10.38	1.66	0.875	1.45	10.59	985.81
51-20	15	996.55	9.84					9.84	986.71
51-21	15	996.35	11.85	10.30	1.55	0.875	1.36	10.49	985.86
59-1	NA	NA	12.72	11.92	0.80	0.875	0.70	12.02	NA
59-3	NA	NA	11.58					11.58	NA
59-7	NA	NA	12.11	11.50	0.61	0.875	0.53	11.58	NA
34B	NA	1000.43	14.03					14.03	986.40
35B	NA	997.39	12.66					12.66	984.73
37B	NA	995.58	9.96					9.96	985.62
38B	NA	993.75	7.76					7.76	985.99

Note: Casing of wells 59-1, 59-3, 59-7 had to be cut to accomodate new roadboxes. These wells need to be resurveyed.

Volumes removed:

51-5	1.00 quart
51-8	1.00 quarts
51-15	0.50 quart
51-16	0.75 quart
51-17	2.50 quarts
51-19	1.00 quart
51-21	3.00 quarts
	9.75 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 05/31/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	11.10	11.02	0.08	0.875	0.07	11.03	985.82
51-5	15	996.67	12.25	10.76	1.49	0.875	1.30	10.95	985.72
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	12.90	11.23	1.67	0.875	1.46	11.44	985.63
51-9	NA	NA	9.82					9.82	NA
51-12	NA	996.78	7.64					7.64	989.14
51-14	15	996.67	11.14					11.14	985.53
51-15	15	996.41	11.89	10.56	1.33	0.875	1.16	10.73	985.68
51-16	15	996.42	11.91	10.55	1.36	0.875	1.19	10.72	985.70
51-17	15	996.33	12.24	10.52	1.72	0.875	1.51	10.74	985.60
51-18	15	996.99	11.32					11.32	985.67
51-19	15	996.40	12.19	10.66	1.53	0.875	1.34	10.85	985.55
51-20	15	996.55	10.63					10.63	985.92
51-21	15	996.35	12.24	10.56	1.68	0.875	1.47	10.77	985.58
59-1	NA	NA	12.48	11.80	0.68	0.875	0.59	11.89	NA
59-3	NA	NA	11.87					11.87	NA
59-7	NA	NA	12.56	12.24	0.32	0.875	0.28	12.28	NA
34B	NA	1000.43	14.53					14.53	985.90
35B	NA	997.39	11.94					11.94	985.45
37B	NA	995.58	10.32					10.32	985.26
38B	NA	993.75	7.97					7.97	985.78

Note: Well 51-7 was inaccessible and was not monitored.

Volumes removed:

51-5	1.00 quart
51-8	1.25 quarts
51-15	0.75 quart
51-16	0.75 quart
51-17	3.00 quarts
51-19	1.00 quart
51-21	4.00 quarts
	11.75 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 06/21/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	11.46	sheen		0.875	0.00	11.46	985.39
51-5	15	996.67	12.62	11.10	1.52	0.875	1.33	11.29	985.38
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	13.32	11.59	1.73	0.875	1.51	11.81	985.26
51-9	NA	NA	9.70					9.70	NA
51-12	NA	996.78	7.89					7.89	988.89
51-14	15	996.67	11.52					11.52	985.15
51-15	15	996.41	12.28	10.89	1.39	0.875	1.22	11.06	985.35
51-16	15	996.42	12.34	10.88	1.46	0.875	1.28	11.06	985.36
51-17	15	996.33	12.65	10.90	1.75	0.875	1.53	11.12	985.21
51-18	15	996.99	11.68					11.68	985.31
51-19	15	996.40	12.66	11.03	1.63	0.875	1.43	11.23	985.17
51-20	15	996.55	11.19					11.19	985.36
51-21	15	996.35	12.63	10.94	1.69	0.875	1.48	11.15	985.20
59-1	NA	NA	12.92	12.20	0.72	0.875	0.63	12.29	NA
59-3	NA	NA	12.26					12.26	NA
59-7	NA	NA	13.38	12.60	0.78	0.875	0.68	12.70	NA
34B	NA	1000.43	14.97					14.97	985.46
35B	NA	997.39	12.34					12.34	985.05
37B	NA	995.58	10.61					10.61	984.97
38B	NA	993.75	9.02					9.02	984.73

Note: Well 51-7 was inaccessible and was not monitored.

Volumes removed:

51-5	1.00 quart
51-8	1.25 quarts
51-15	0.75 quart
51-16	1.00 quart
51-17	3.00 quarts
51-19	1.00 quart
51-21	4.00 quarts
	12.00 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 07/29/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	11.83	sheen		0.875	0.00	11.83	985.02
51-5	15	996.67	13.19	11.55	1.64	0.875	1.43	11.76	984.92
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	NA	NA	NA	0.875	NA	NA	NA
51-9	NA	NA	9.89					9.89	NA
51-12	NA	996.78	8.16					8.16	988.62
51-14	15	996.67	11.95					11.95	984.72
51-15	15	996.41	12.50	11.38	1.12	0.875	0.98	11.52	984.89
51-16	15	996.42	12.65	11.34	1.31	0.875	1.15	11.50	984.92
51-17	15	996.33	13.08	11.36	1.72	0.875	1.51	11.58	984.76
51-18	15	996.99	12.10					12.10	984.89
51-19	15	996.40	13.03	11.48	1.55	0.875	1.36	11.67	984.73
51-20	15	996.55	11.63					11.63	984.92
51-21	15	996.35	12.99	11.40	1.59	0.875	1.39	11.60	984.75
59-1	NA	NA	13.43	12.64	0.79	0.875	0.69	12.74	NA
59-3	NA	NA	13.88	12.61	1.27	0.875	1.11	12.77	NA
59-7	NA	NA	13.93	13.01	0.92	0.875	0.80	13.13	NA
34B	NA	1000.43	15.70					15.70	984.73
35B	NA	997.39	12.77					12.77	984.62
37B	NA	995.58	10.84					10.84	984.74
38B	NA	993.75	9.48					9.48	984.27

Note: Wells 51-7 and 51-8 were inaccessible and were not monitored.

Volumes removed:

51-5	1.00 quart
51-15	0.50 quart
51-16	0.75 quart
51-17	2.75 quarts
51-19	1.00 quart
51-21	3.75 quarts
59-3	0.75 quart
	10.50 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51
Location: PITTSFIELD
Date: 08/30/91

Operator: D. SCHWARZ
Method: E.I.P.
Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	11.75	sheen		0.875	0.00	11.75	985.10
51-5	15	996.67	12.95	11.42	1.53	0.875	1.34	11.61	985.06
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	13.54	11.96	1.58	0.875	1.38	12.16	984.91
51-9	NA	NA	9.65					9.65	NA
51-12	NA	996.78	7.78					7.78	989.00
51-14	15	996.67	11.75					11.75	984.92
51-15	15	996.41	NA	NA	NA	0.875	NA	NA	NA
51-16	15	996.42	12.35	11.21	1.14	0.875	1.00	11.35	985.07
51-17	15	996.33	12.88	11.21	1.67	0.875	1.46	11.42	984.91
51-18	15	996.99	11.91					11.91	985.08
51-19	15	996.40	12.87	11.30	1.57	0.875	1.37	11.50	984.90
51-20	15	996.55	11.58					11.58	984.97
51-21	15	996.35	12.83	11.25	1.58	0.875	1.38	11.45	984.90
59-1	NA	NA	13.46	12.51	0.95	0.875	0.83	12.63	NA
59-3	NA	NA	13.74	12.52	1.22	0.875	1.07	12.67	NA
59-7	NA	NA	13.81	12.94	0.87	0.875	0.76	13.05	NA
34B	NA	1000.43	15.60					15.60	984.83
35B	NA	997.39	12.64					12.64	984.75
37B	NA	995.58	10.78					10.78	984.80
38B	NA	993.75	7.88					7.88	985.87

Note: Wells 51-7 and 51-15 were inaccessible and were not monitored.

Volumes removed:

51-5	1.00 quart
51-8	1.25 quarts
51-16	0.75 quart
51-17	3.00 quarts
51-19	0.88 quart
51-21	4.13 quarts
	11.00 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 09/30/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	NA	NA		0.875	0.00	NA	NA
51-5	15	996.67	12.57	11.09	1.48	0.875	1.30	11.28	985.40
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	13.13	11.66	1.47	0.875	1.29	11.84	985.23
51-9	NA	NA	9.77					9.77	NA
51-12	NA	996.78	7.64					7.64	989.14
51-14	15	996.67	11.38					11.38	985.29
51-15	15	996.41	NA	NA	NA	0.875	NA	NA	NA
51-16	15	996.42	11.77	10.89	0.88	0.875	0.77	11.00	985.42
51-17	15	996.33	12.45	10.84	1.61	0.875	1.41	11.04	985.29
51-18	15	996.99	11.50					11.50	985.49
51-19	15	996.40	12.40	10.92	1.48	0.875	1.30	11.11	985.30
51-20	15	996.55	11.24					11.24	985.31
51-21	15	996.35	12.24	10.88	1.36	0.875	1.19	11.05	985.30
59-1	NA	NA	13.29	12.30	0.99	0.875	0.87	12.42	NA
59-3	NA	NA	13.38	12.26	1.12	0.875	0.98	12.40	NA
59-7	NA	NA	13.48	12.67	0.81	0.875	0.71	12.77	NA
34B	NA	1000.43	15.08				0.00	15.08	985.35
35B	NA	997.39	12.23				0.00	12.23	985.16
37B	NA	995.58	10.07				0.00	10.07	985.51
38B	NA	993.75	6.64				0.00	6.64	987.11

Note: Wells 51-3, 51-7 and 51-15 were inaccessible and were not monitored.

Volumes removed:

51-5	0.75 quart
51-8	1.00 quarts
51-16	0.50 quart
51-17	3.25 quarts
51-19	0.75 quart
51-21	4.00 quarts
59-1	0.75 quarts
59-3	0.75 quarts
	11.75 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. BUILDING 51 Operator: D. SCHWARZ
Location: PITTSFIELD Method: E.I.P.
Date: 10/31/91 Equipment #711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15	996.85	NA	NA		0.875	0.00	NA	NA
51-5	15	996.67	12.52	10.98	1.54	0.875	1.35	11.17	985.50
51-7	15	996.72	NA	NA	NA	0.875	NA	NA	NA
51-8	15	997.07	13.11	11.50	1.61	0.875	1.41	11.70	985.37
51-9	NA	NA	9.12					9.12	NA
51-12	NA	996.78	7.58					7.58	989.20
51-14	15	996.67	11.38					11.38	985.29
51-15	15	996.41	NA	NA	NA	0.875	NA	NA	NA
51-16	15	996.42	11.82	10.84	0.98	0.875	0.86	10.96	985.46
51-17	15	996.33	12.43	10.80	1.63	0.875	1.43	11.00	985.33
51-18	15	996.99	11.57					11.57	985.42
51-19	15	996.40	12.39	10.92	1.47	0.875	1.29	11.10	985.30
51-20	15	996.55	11.19					11.19	985.36
51-21	15	996.35	12.41	10.85	1.56	0.875	1.37	11.05	985.31
59-1	NA	NA	12.36	12.11	0.25	0.875	0.22	12.14	NA
59-3	NA	NA	13.07	12.08	0.99	0.875	0.87	12.20	NA
59-7	NA	NA	13.48	12.45	1.03	0.875	0.90	12.58	NA
34B	NA	1000.43	14.91				0.00	14.91	985.52
35B	NA	997.39	12.21				0.00	12.21	985.18
37B	NA	995.58	10.48				0.00	10.48	985.10
38B	NA	993.75	7.97				0.00	7.97	985.78

Note: Wells 51-3, 51-7 and 51-15 were inaccessible and were not monitored.

Volumes removed:

51-5	1.00 quart
51-8	1.25 quarts
51-16	0.75 quart
51-17	2.75 quarts
51-19	1.00 quart
51-21	4.00 quarts
59-3	0.50 quarts
59-7	0.75 quarts
	12.00 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. Building 51
Location: Pittsfield
Job No.: 01121-8850
Date: 11/25/91
Operator: RES
Method: Interface Probe
Equip. No.:711

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)
51-3	15.00	996.85	NA	NA	NA	NA	NA	NA	NA
51-5	15.00	996.67	12.65	10.80	1.85	0.80	1.48	11.17	985.50
51-7	15.00	996.72	NA	NA	NA	NA	NA	NA	NA
51-8	15.00	997.07	12.89	11.44	1.45	0.80	1.16	11.73	985.34
51-9	NA	NA	9.36	NA	NA	NA	NA	9.36	NA
51-12	NA	996.78	7.49	NA	NA	NA	NA	7.49	989.29
51-14	15.00	996.67	11.09	NA	NA	NA	NA	11.09	985.58
51-15	15.00	996.41	NA	NA	NA	NA	NA	NA	NA
51-16	15.00	996.42	11.15	10.72	0.43	0.80	0.34	10.81	985.61
51-17	15.00	996.33	12.22	10.60	1.62	0.80	1.30	10.92	985.41
51-18	15.00	996.99	11.28	NA	NA	NA	NA	11.28	985.71
51-19	15.00	996.40	11.93	10.70	1.23	0.80	0.98	10.95	985.45
51-20	15.00	996.55	11.77	NA	NA	NA	NA	11.77	984.78
51-21	15.00	996.35	11.86	10.65	1.21	0.80	0.97	10.89	985.46
59-1	NA	NA	12.45	12.13	0.32	0.80	0.26	12.19	NA
59-3	NA	NA	13.25	12.02	1.23	0.80	0.98	12.27	NA
59-7	NA	NA	13.83	12.38	1.45	0.80	1.16	12.67	NA
34B	NA	1000.43	14.77	NA	NA	NA	NA	14.77	985.66
35B	NA	997.39	11.96	NA	NA	NA	NA	11.96	985.43
37B	NA	995.58	10.08	NA	NA	NA	NA	10.08	985.50
38B	NA	993.75	6.40	NA	NA	NA	NA	6.40	987.35

COMMENTS:

1. NA = Not Applicable/Separate-phase petroleum not detected
2. Wells 51-3,51-7 and 51-15 were inaccessible and were not monitored

Volumes removed:

51-5	1.25 quarts
51-8	1.00 quart
51-17	2.50 quarts
51-19	0.50 quart
51-21	3.00 quarts
59-3	0.75 quart
59-7	1.00 quart
	10.00 quarts

GROUNDWATER TECHNOLOGY

WELL MONITORING FORM

Project: G.E. Building 51
Location: Pittsfield
Job No.: 01121-8850
Date: 12/20/91
Operator: RES
Method: Interface Probe
Equip. No. 2071

WELL ID	WELL DEPTH (feet)	T.O.C. ELEV. (feet)	DEPTH to WATER (feet)	DEPTH to PETRO (feet)	PETRO THICK (feet)	PETRO GRAV	HYDRO EQUIV (feet)	CORR DTW (feet)	CORR WAT ELEV (feet)	PETRO BAILED (qts)
51-3	15.00	996.85	NA	NA	NA	NA	NA	NA	NA	
51-5	15.00	996.67	12.25	10.58	1.67	0.80	1.34	10.91	985.76	1.00
51-7	15.00	996.72	NA	NA	NA	NA	NA	NA	NA	
51-8	15.00	997.07	12.67	11.12	1.55	0.80	1.24	11.43	985.64	1.00
51-9	NA	NA	9.23	NA	NA	NA	NA	9.23	NA	
51-12	NA	996.78	7.38	NA	NA	NA	NA	7.38	989.40	
51-14	15.00	996.67	10.96	NA	NA	NA	NA	10.96	985.71	
51-15	15.00	996.41	NA	NA	NA	NA	NA	NA	NA	
51-16	15.00	996.42	11.15	10.50	0.65	0.80	0.52	10.63	985.79	
51-17	15.00	996.33	12.04	10.40	1.64	0.80	1.31	10.73	985.60	3.25
51-18	15.00	996.99	11.18	NA	NA	NA	NA	11.18	985.81	
51-19	15.00	996.40	11.82	10.55	1.27	0.80	1.02	10.80	985.60	0.75
51-20	15.00	996.55	10.85	NA	NA	NA	NA	10.85	985.70	
51-21	15.00	996.35	11.78	10.47	1.31	0.80	1.05	10.73	985.62	3.25
59-1	NA	NA	12.14	11.77	0.37	0.80	0.30	11.84	NA	
59-3	NA	NA	12.74	11.72	1.02	0.80	0.82	11.92	NA	0.75
59-7	NA	NA	12.94	12.10	0.84	0.80	0.67	12.27	NA	0.06
34B	NA	1000.43	14.42	NA	NA	NA	NA	14.42	986.01	
35B	NA	997.39	11.80	NA	NA	NA	NA	11.80	985.59	
37B	NA	995.58	9.99	NA	NA	NA	NA	9.99	985.59	
38B	NA	993.75	6.83	NA	NA	NA	NA	6.83	986.92	
									Total Bailed=	10.0625

COMMENTS:

1. NA = Not Applicable/Separate-phase petroleum not detected
2. Wells 51-3, 51-7 and 51-15 were inaccessible and were not monitored
3. Total product bailed 10.0625 qts.

SUMMARY OF 1991 ACTIVITIES
BUILDING 51 AND 59 AREAS

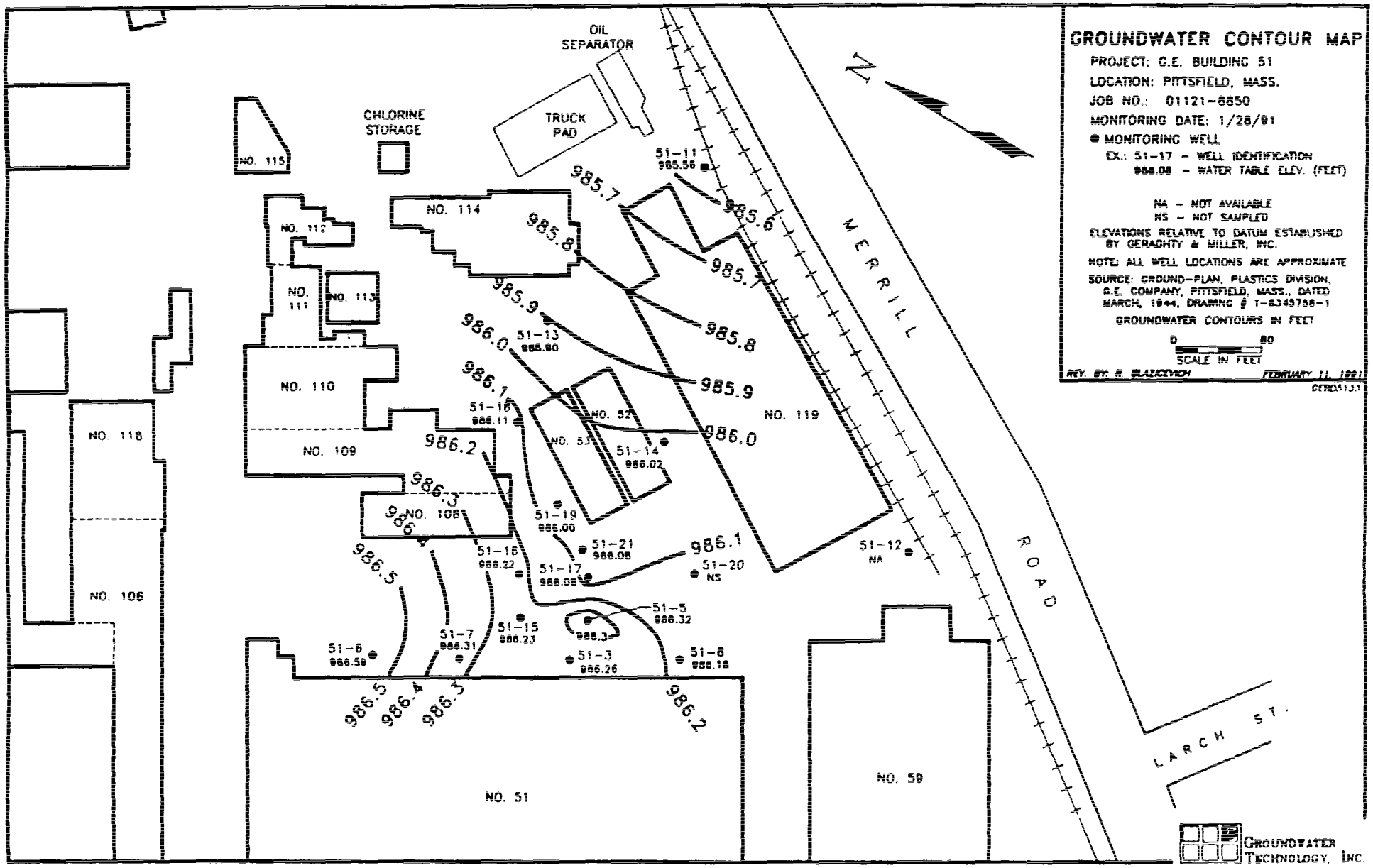
GENERAL ELECTRIC COMPANY FACILITY
PITTSFIELD, MASSACHUSETTS

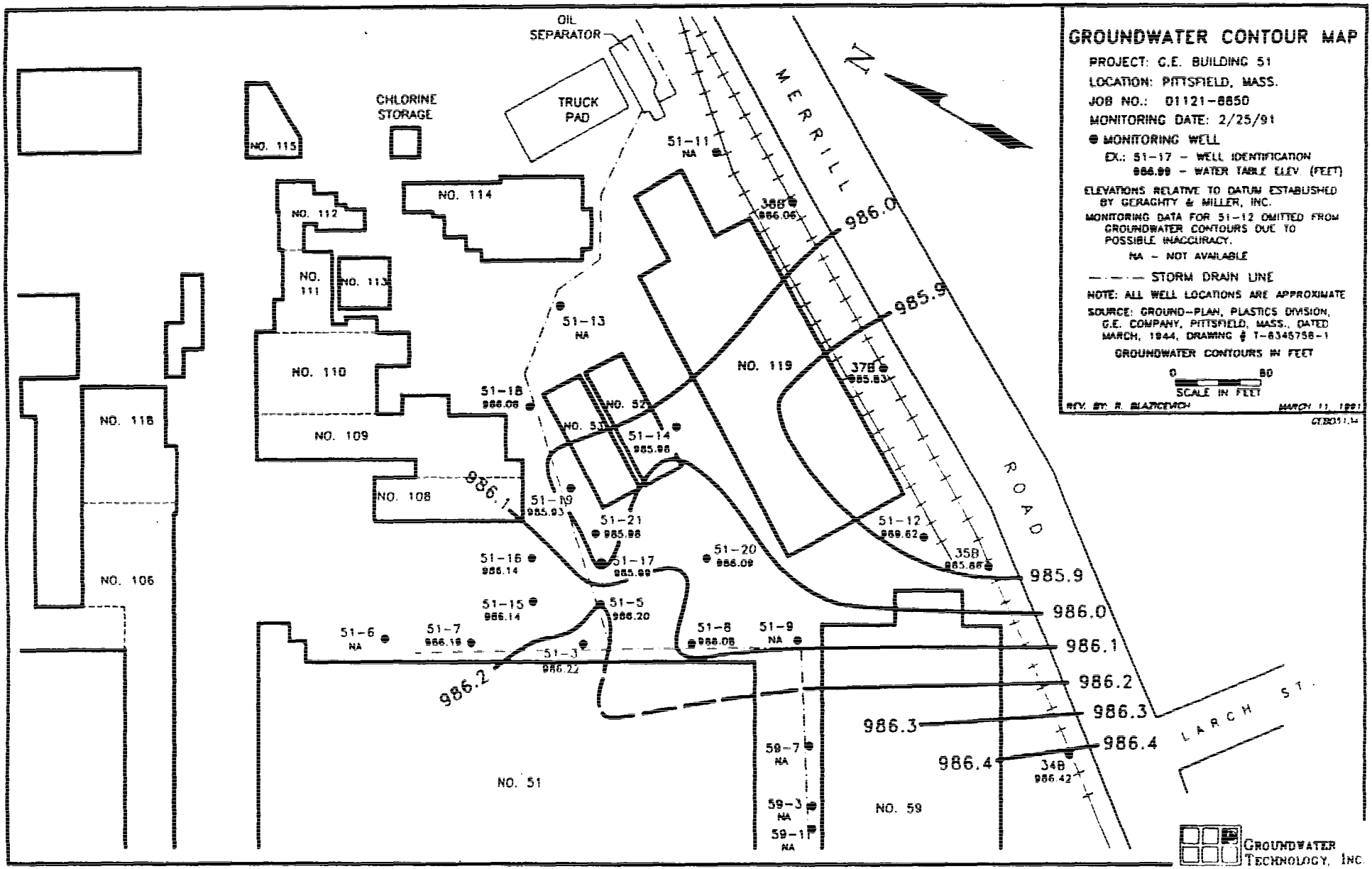
APPENDIX B
GROUNDWATER CONTOUR MAPS

MARCH 1992

Prepared for:
General Electric Company
100 Woodlawn Avenue
Building 11-205
Pittsfield, Massachusetts

GROUNDWATER
TECHNOLOGY


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-6650
MONITORING DATE: 1/28/91
● MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
986.08 - WATER TABLE ELEV. (FEET)
NA - NOT AVAILABLE
NS - NOT SAMPLED
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345736-1
GROUNDWATER CONTOURS IN FEET
0 80
SCALE IN FEET
REV. BY: R. BLAKEMAN
FEBRUARY 11, 1991
GERA5113.1
OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 118
NO. 106
NO. 51
NO. 52
NO. 53
NO. 119
NO. 59
MERRILL ROAD
LARCH ST.
51-11 985.58
51-12 NA
51-13 985.80
51-14 986.02
51-15 986.11
51-16 986.22
51-17 986.08
51-18 986.18
51-19 986.00
51-20 NS
51-21 986.06
51-3 986.26
51-5 986.32
51-6 986.59
51-7 986.31
985.7
985.8
985.9
986.0
986.1
986.2
986.3
986.4
986.5
986.6
GROUNDWATER TECHNOLOGY, INC


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 2/25/91
● MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
986.99 - WATER TABLE ELEV. (FEET)
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
MONITORING DATA FOR 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
NA - NOT AVAILABLE
STORM DRAIN LINE
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8346756-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REV. BY: R. BLAZOVICH
MARCH 11, 1991
OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
MERRILL ROAD
LARCH ST.
N
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 119
NO. 51
NO. 59
51-11 NA
51-13 NA
51-18 986.08
51-14 985.86
51-19 985.93
51-21 985.88
51-16 986.14
51-17 985.99
51-20 986.09
51-15 986.14
51-5 986.20
51-6 NA
51-7 986.18
51-3 986.22
51-8 986.08
51-9 NA
51-12 986.62
59-7 NA
59-3 NA
59-1 NA
38B 986.06
37B 985.83
35B 985.66
34B 986.42
986.0
985.9
986.1
986.2
986.3
986.4
GROUNDWATER TECHNOLOGY, INC.

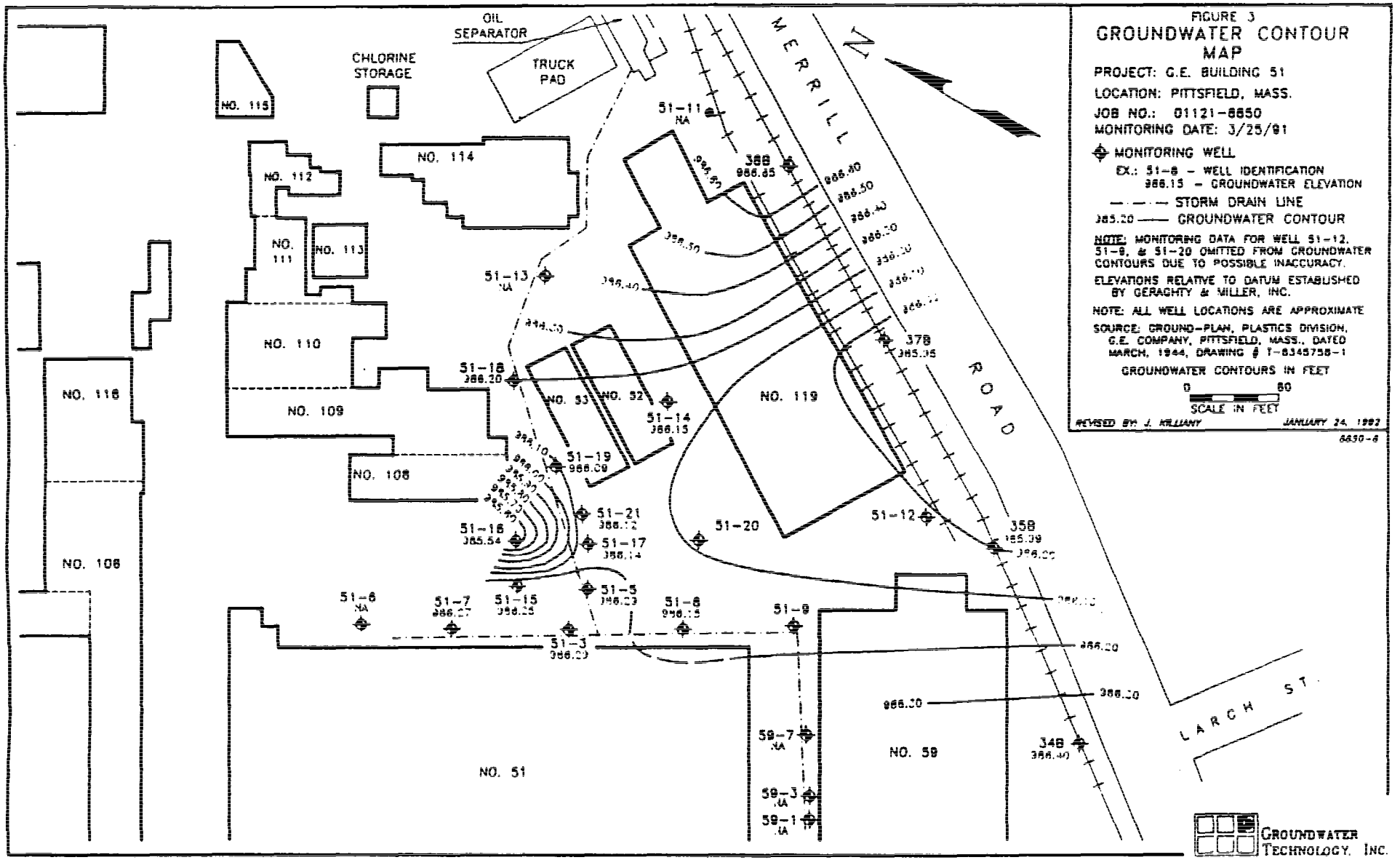


FIGURE 3

GROUNDWATER CONTOUR MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8650

MONITORING DATE: 3/25/91

⊕ MONITORING WELL

EX.: 51-8 – WELL IDENTIFICATION
986.15 – GROUNDWATER ELEVATION

— · — · — STORM DRAIN LINE

985.20 —— GROUNDWATER CONTOUR

NOTE: MONITORING DATA FOR WELL 51-12, 51-9, & 51-20 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345758-1

GROUNDWATER CONTOURS IN FEET

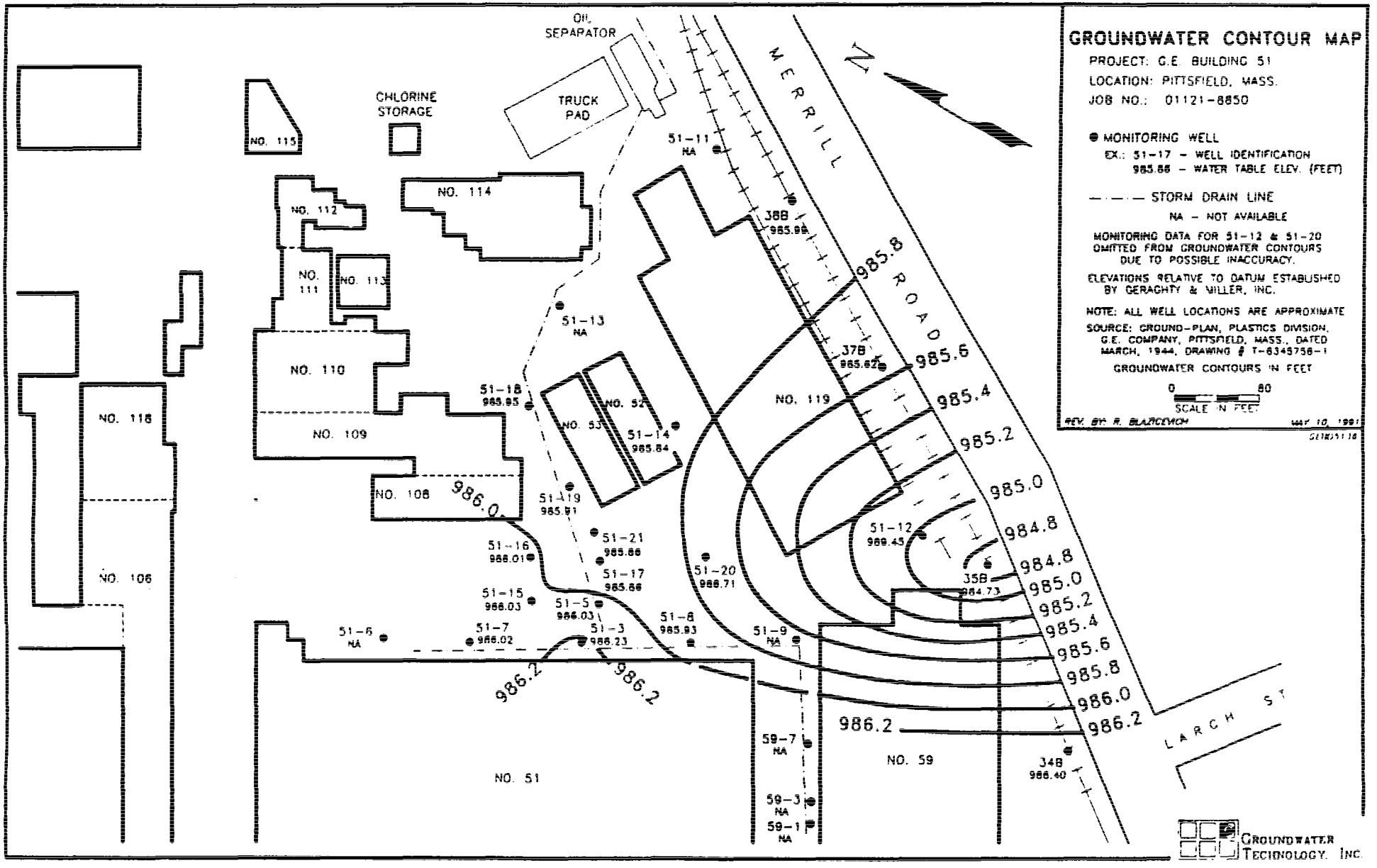
0 80

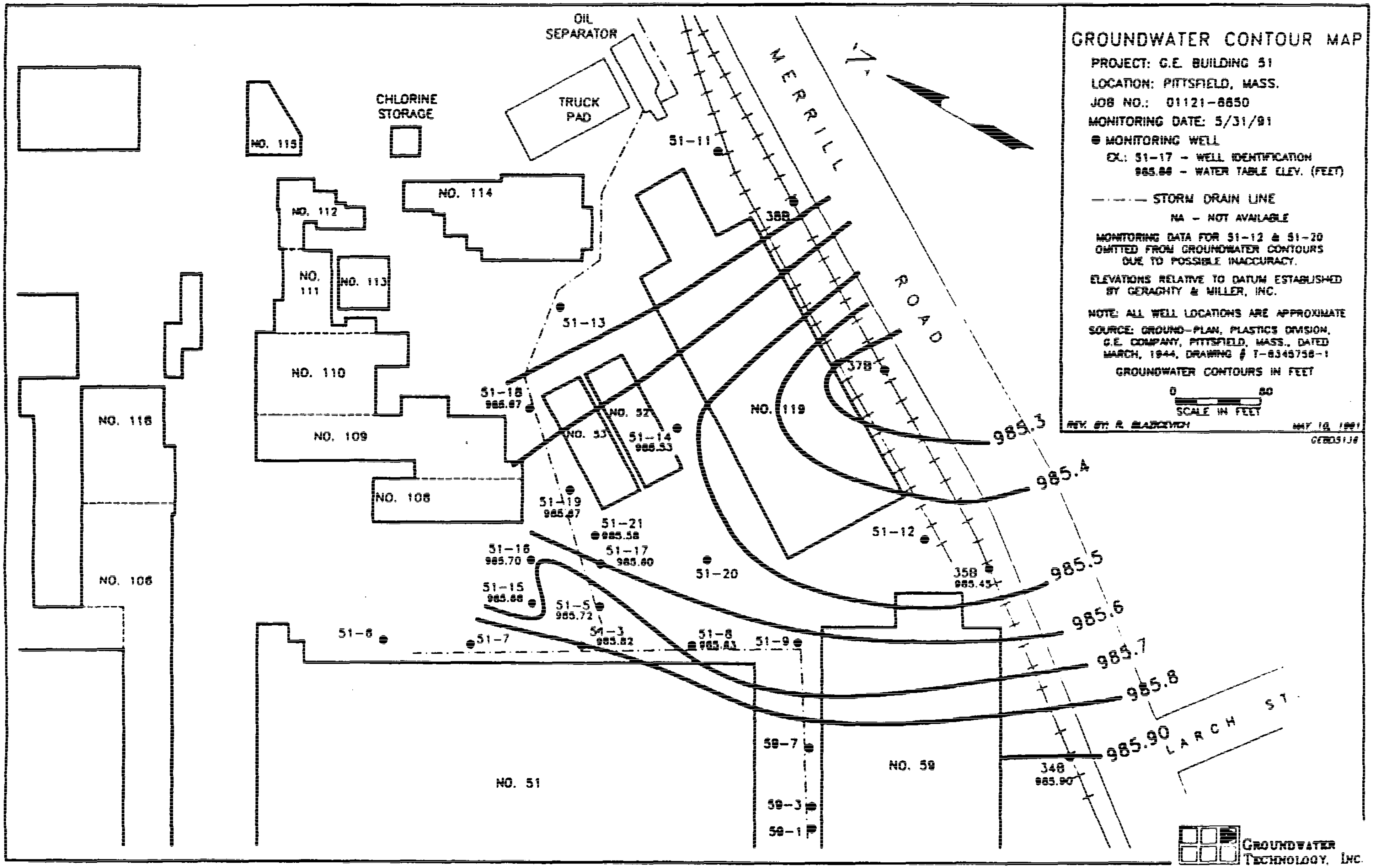
SCALE IN FEET

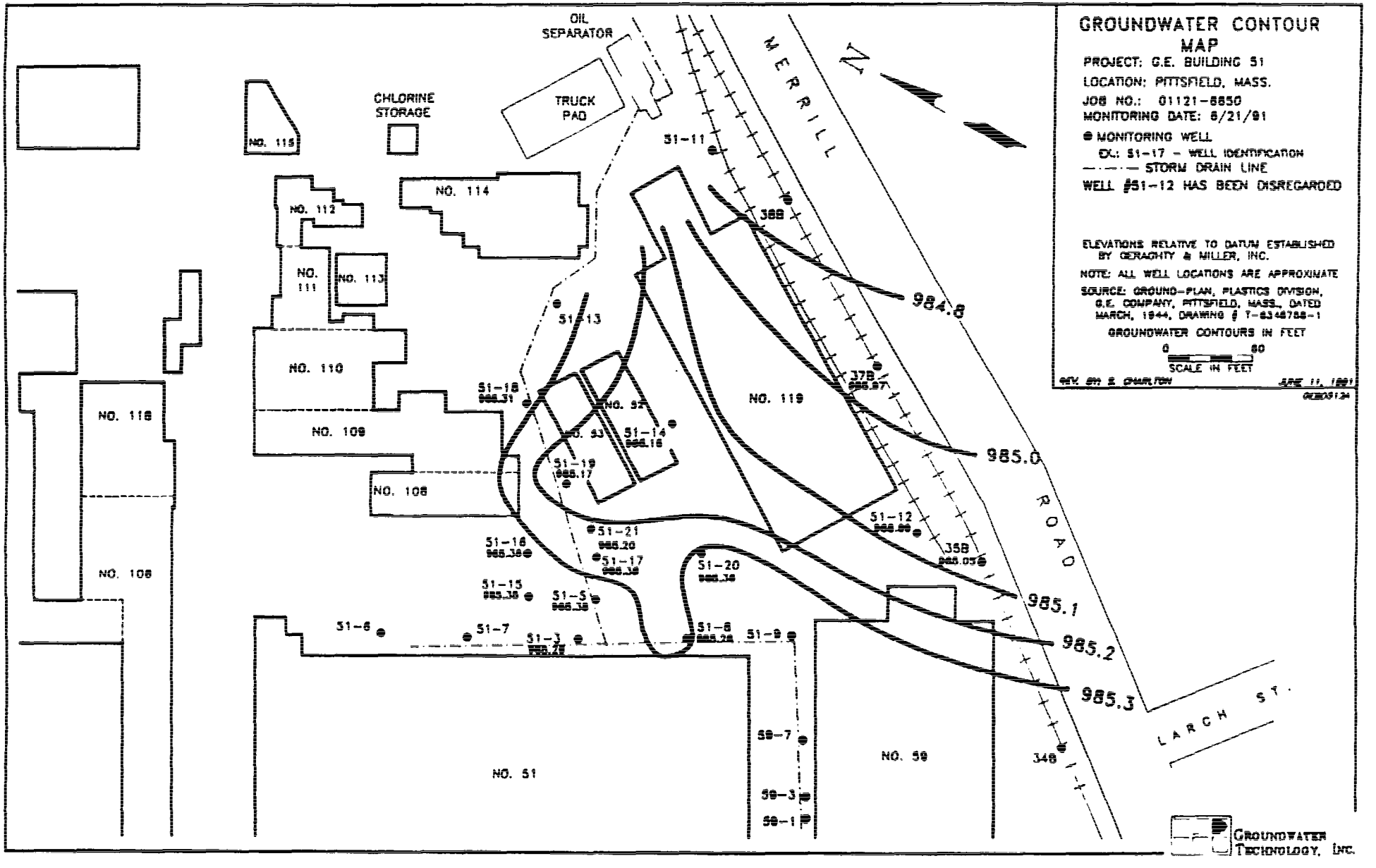
REVISED BY: J. KILLIANY JANUARY 24, 1992

8650-6

GROUNDWATER TECHNOLOGY, INC.


OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 118
NO. 106
NO. 108
NO. 53
NO. 52
NO. 119
NO. 51
NO. 59
MERRILL ROAD
LARCH ST
N
51-11 NA
388 985.99
51-13 NA
51-18 985.85
51-14 985.84
51-19 985.91
51-21 985.86
51-16 986.01
51-17 985.86
51-15 986.03
51-5 986.03
51-20 986.71
51-12 989.45
358 984.73
378 985.62
51-6 NA
51-7 986.02
51-3 986.23
51-8 985.93
51-9 NA
59-7 NA
59-3 NA
59-1 NA
348 986.40
985.8
985.6
985.4
985.2
985.0
984.8
984.8
985.0
985.2
985.4
985.6
985.8
986.0
986.2
986.2
986.2
986.2
GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
985.88 - WATER TABLE ELEV. (FEET)
STORM DRAIN LINE
NA - NOT AVAILABLE
MONITORING DATA FOR 51-12 & 51-20 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6345756-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REV. BY: R. BLAZEWICH
MAY 10, 1991
GROUNDWATER TECHNOLOGY, INC.


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-6650
MONITORING DATE: 5/31/91
MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
985.66 - WATER TABLE ELEV. (FEET)
STORM DRAIN LINE
NA - NOT AVAILABLE
MONITORING DATA FOR 51-12 & 51-20 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6345756-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
MAY 16, 1991
MERRILL ROAD
LARCH ST
OIL SEPARATOR
TRUCK PAD
CHLORINE STORAGE
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 119
NO. 52
NO. 53
NO. 51
NO. 59
51-11
38B
51-13
51-18
985.67
51-14
985.53
51-19
985.67
51-21
985.58
51-17
985.60
51-16
985.70
51-15
985.66
51-5
985.72
54-3
985.82
51-20
51-12
35B
985.45
37B
51-6
51-7
51-8
985.83
51-9
59-7
59-3
59-1
34B
985.90
985.3
985.4
985.5
985.6
985.7
985.8
985.90
GROUNDWATER TECHNOLOGY, INC.


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 6/21/91
● MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
— · — · — STORM DRAIN LINE
WELL #51-12 HAS BEEN DISREGARDED
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6348788-1
GROUNDWATER CONTOURS IN FEET
0 60
SCALE IN FEET
REV. BY E. CHARLTON
JUNE 11, 1991
OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
MERRILL
ROAD
LARCH ST.
N
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 119
NO. 51
NO. 59
51-11
51-13
51-18
51-14
51-19
51-21
51-17
51-16
51-15
51-5
51-6
51-7
51-3
51-20
51-8
51-9
51-12
38B
37B
35B
34B
984.8
985.0
985.1
985.2
985.3
59-7
59-3
59-1
GROUNDWATER TECHNOLOGY, INC.

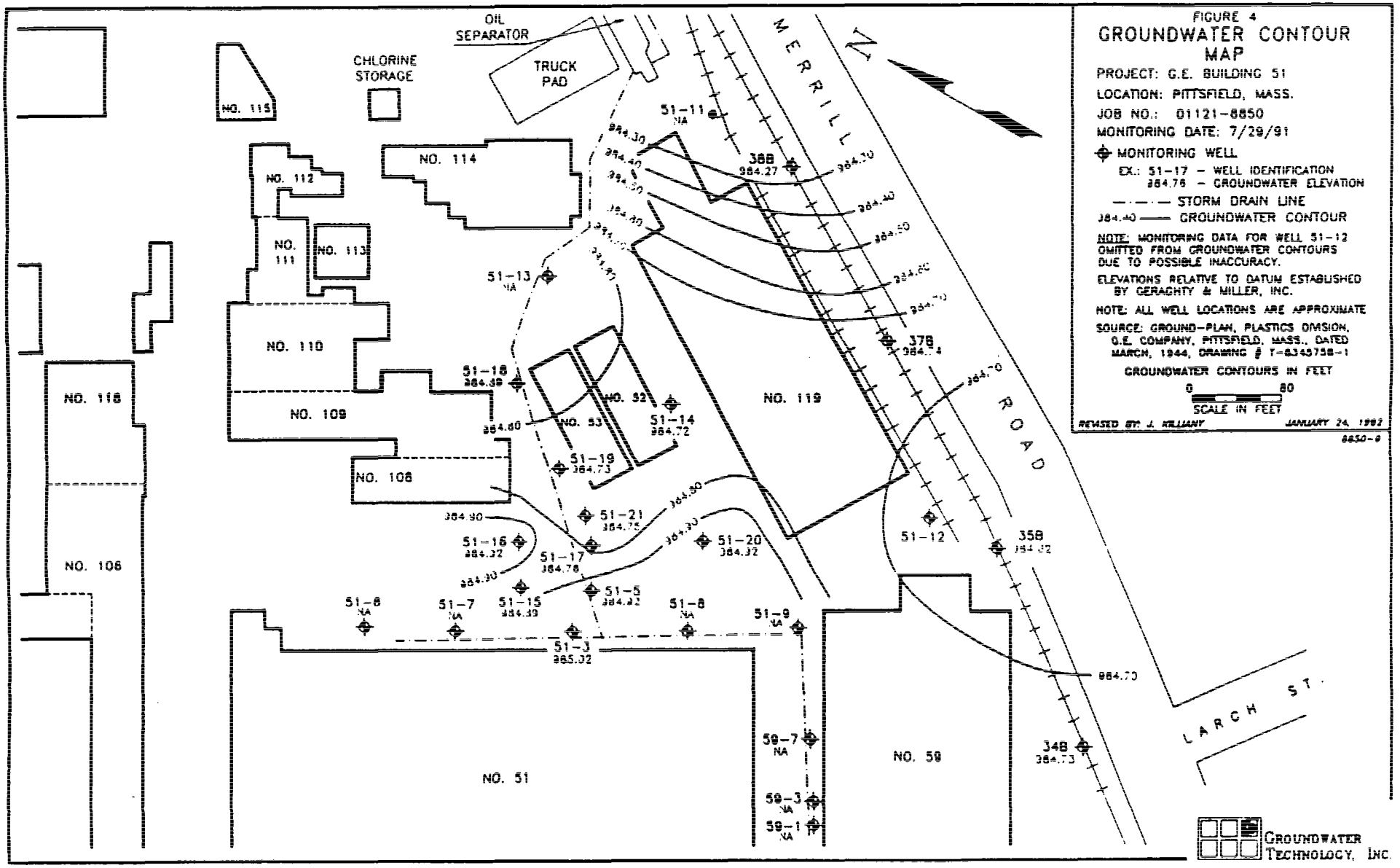


FIGURE 4

GROUNDWATER CONTOUR MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8650

MONITORING DATE: 7/29/91

⊕ MONITORING WELL

EX.: 51-17 – WELL IDENTIFICATION
384.76 – GROUNDWATER ELEVATION

— · — · — STORM DRAIN LINE

384.40 —— GROUNDWATER CONTOUR

NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6349758-1

GROUNDWATER CONTOURS IN FEET

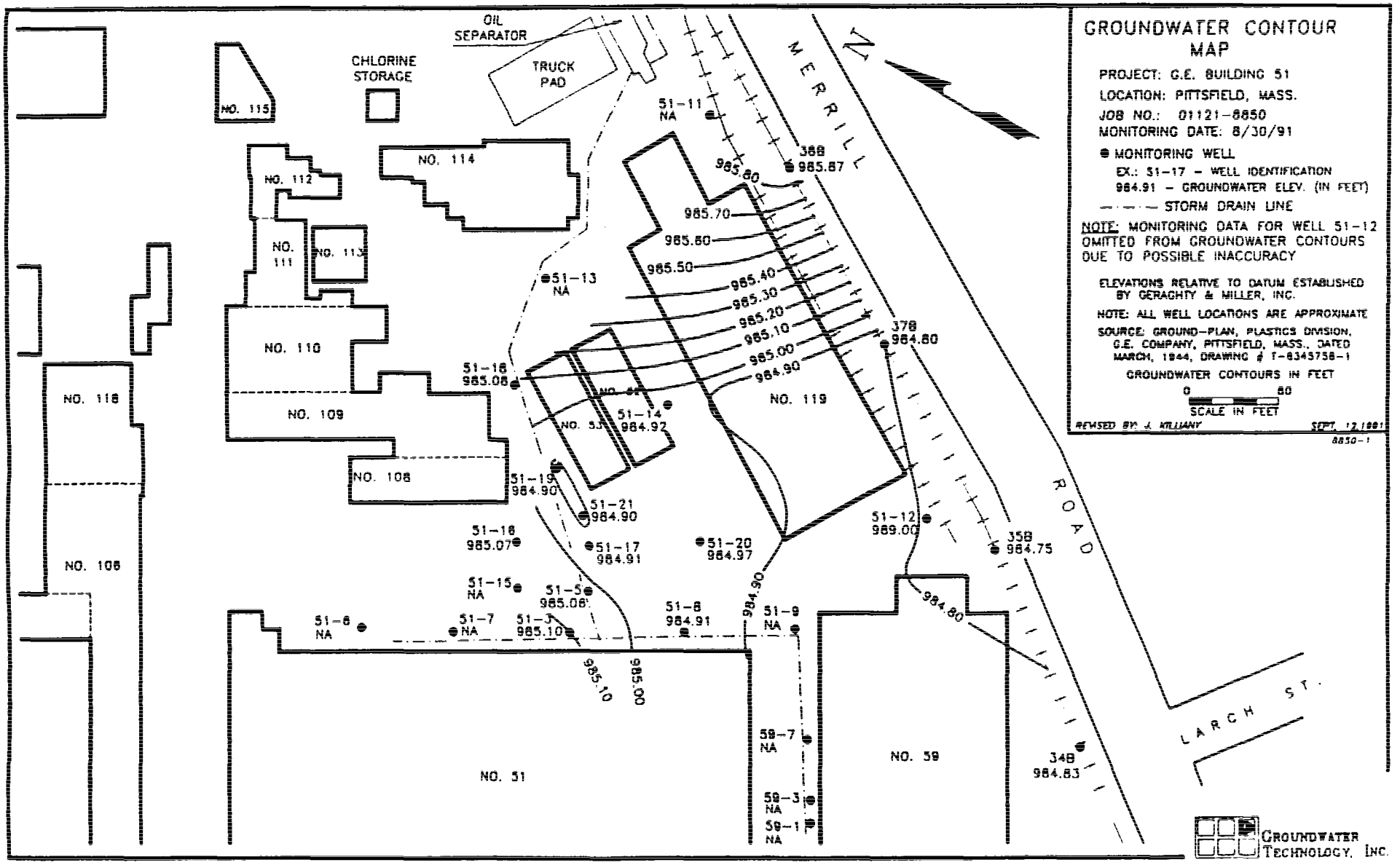
0 80

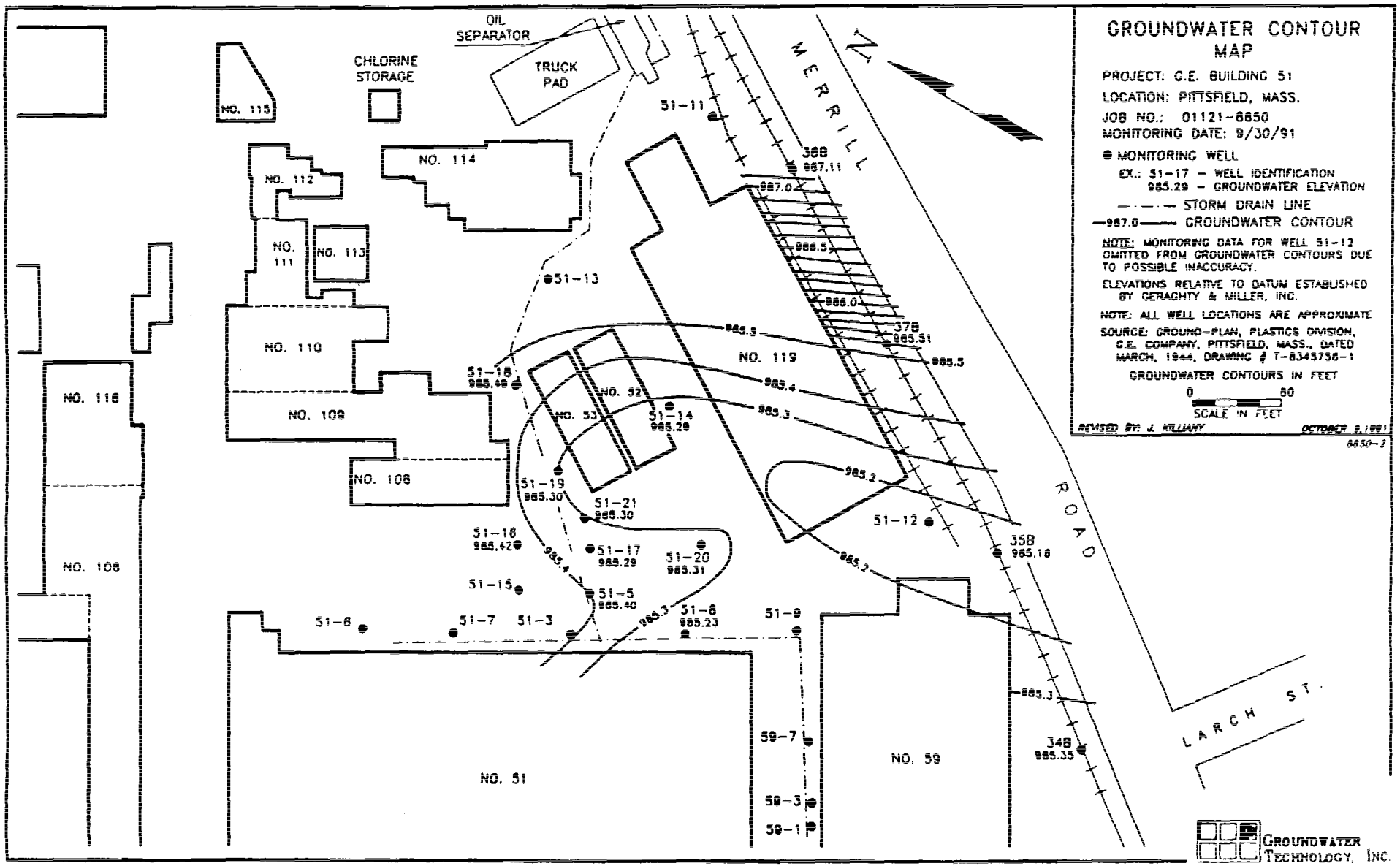
SCALE IN FEET

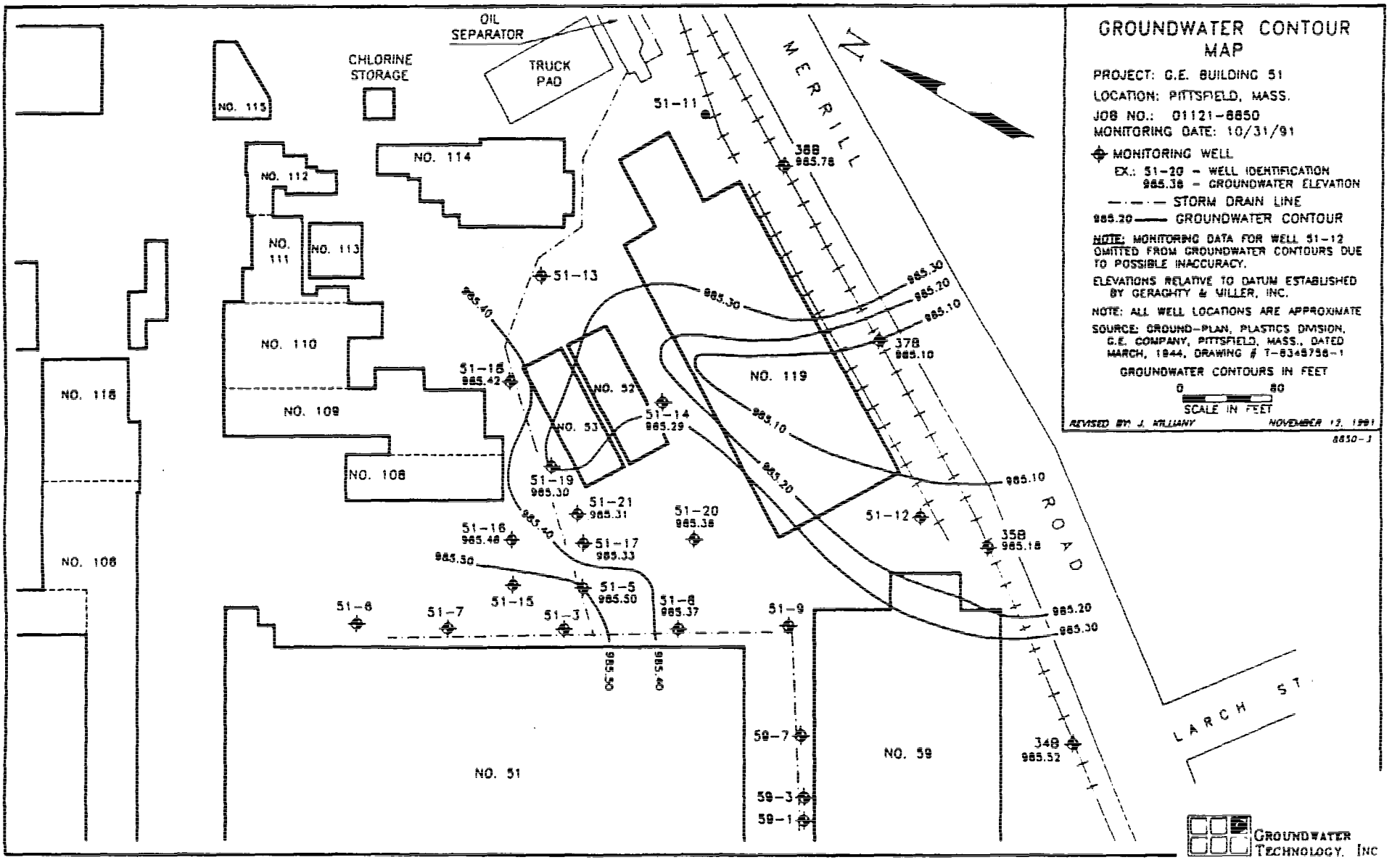
REVISED BY: J. HILLIARD JANUARY 24, 1992

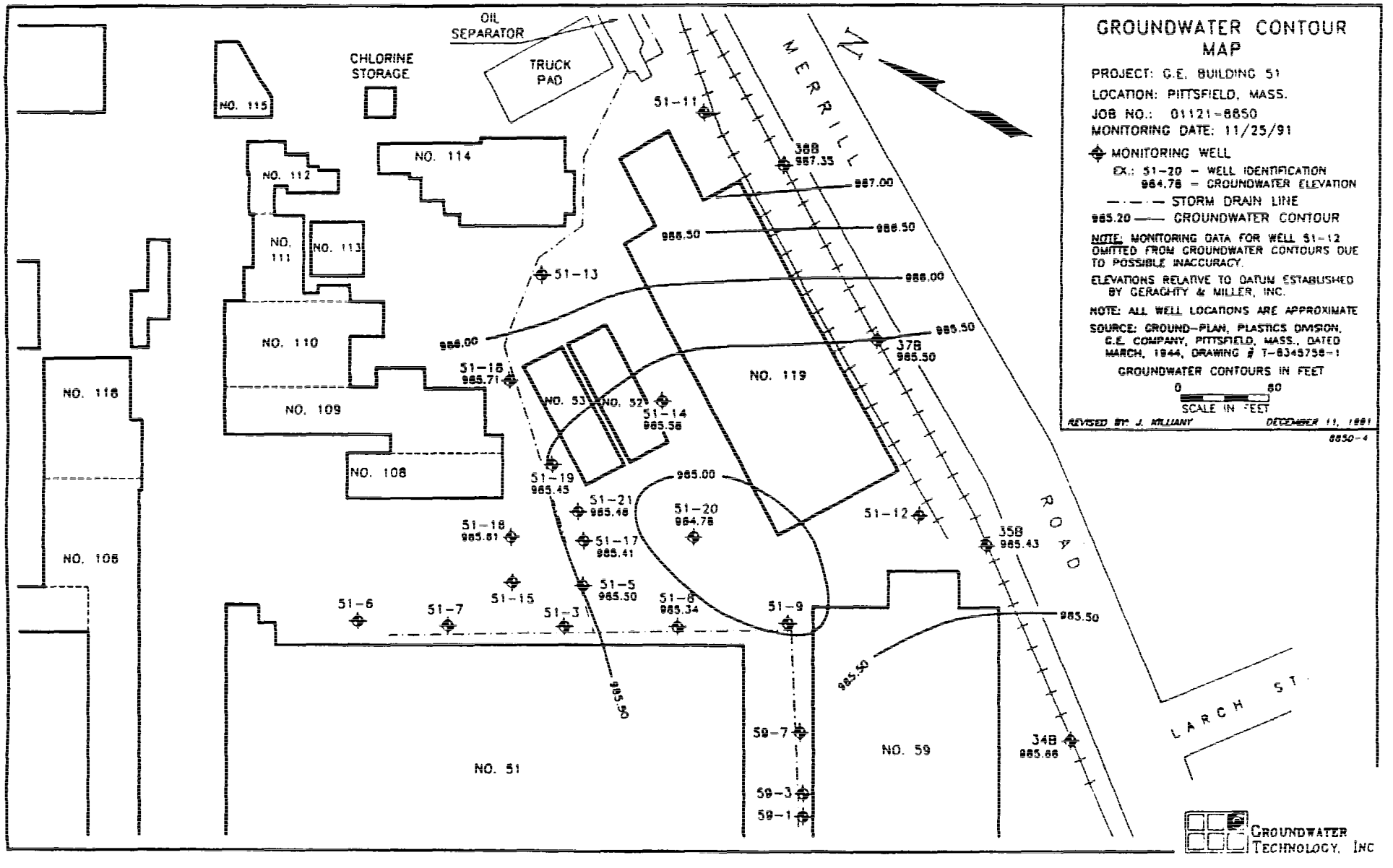
8650-9

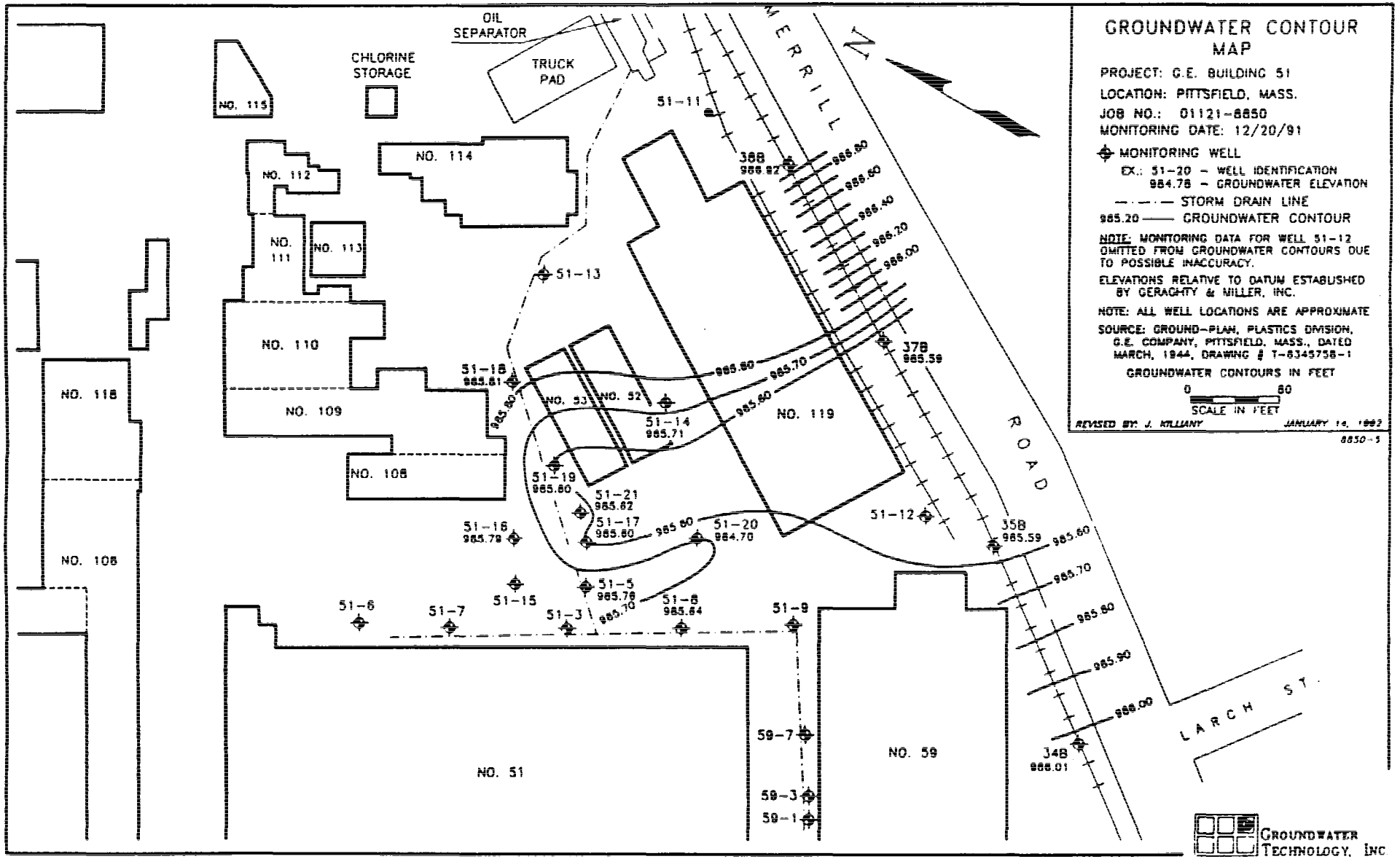
GROUNDWATER TECHNOLOGY, INC.


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 8/30/91
MONITORING WELL
EX.: 51-17 - WELL IDENTIFICATION
984.91 - GROUNDWATER ELEV. (IN FEET)
STORM DRAIN LINE
NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8343758-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REVISED BY: J. KILLIANY
SEPT. 12, 1991
8850-1
OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 118
NO. 106
NO. 51
NO. 59
NO. 53
NO. 119
MERRILL ROAD
LARCH ST.
51-11 NA
388 985.87
985.80
985.70
985.60
985.50
985.40
985.30
985.20
985.10
985.00
984.90
51-13 NA
51-16 985.08
51-14 984.92
378 984.80
51-19 984.90
51-21 984.90
51-18 985.07
51-17 984.91
51-20 984.97
51-12 989.00
358 984.75
51-15 NA
51-5 985.08
51-8 984.91
51-9 NA
51-6 NA
51-7 NA
51-3 985.10
985.10
985.00
59-7 NA
59-3 NA
59-1 NA
348 984.83
GROUNDWATER TECHNOLOGY, INC.


OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 118
NO. 106
NO. 51
NO. 119
NO. 52
NO. 53
NO. 59
MERRILL ROAD
LARCH ST.
51-11
51-13
51-18
985.49
51-14
985.28
51-19
985.30
51-21
985.30
51-16
985.42
51-17
985.29
51-20
985.31
51-15
51-5
985.40
51-6
51-7
51-3
51-8
985.23
51-9
51-12
59-7
59-3
59-1
38B
987.11
37B
985.31
35B
985.18
34B
985.35
987.0
986.5
986.0
985.5
985.4
985.3
985.2
985.1
985.3
GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 9/30/91
MONITORING WELL
EX.: 51-17 – WELL IDENTIFICATION
985.29 – GROUNDWATER ELEVATION
STORM DRAIN LINE
987.0 GROUNDWATER CONTOUR
NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345756-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REVISED BY: J. KILLIANY
OCTOBER 9, 1991
8850-3
GROUNDWATER TECHNOLOGY, INC.


OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 51
NO. 52
NO. 53
NO. 119
NO. 59
MERRILL
ROAD
LARCH ST
51-11
388
985.78
51-13
51-15
985.42
51-14
985.29
51-19
985.30
51-21
985.31
51-20
985.38
51-16
985.48
51-17
985.33
51-5
985.50
51-8
985.37
51-6
51-7
51-31
51-9
51-12
378
985.10
358
985.18
348
985.52
59-7
59-3
59-1
985.30
985.20
985.10
985.40
985.50
GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 10/31/91
MONITORING WELL
EX.: 51-20 - WELL IDENTIFICATION
985.38 - GROUNDWATER ELEVATION
STORM DRAIN LINE
985.20 GROUNDWATER CONTOUR
NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345756-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REVISED BY: J. WILLIAMS
NOVEMBER 13, 1991
8850-3
GROUNDWATER TECHNOLOGY, INC


GROUNDWATER CONTOUR MAP
PROJECT: G.E. BUILDING 51
LOCATION: PITTSFIELD, MASS.
JOB NO.: 01121-8850
MONITORING DATE: 11/25/91
MONITORING WELL
EX.: 51-20 - WELL IDENTIFICATION
964.78 - GROUNDWATER ELEVATION
STORM DRAIN LINE
985.20 GROUNDWATER CONTOUR
NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.
ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.
NOTE: ALL WELL LOCATIONS ARE APPROXIMATE
SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-8345758-1
GROUNDWATER CONTOURS IN FEET
0
80
SCALE IN FEET
REVISED BY: J. HILLIARD
DECEMBER 11, 1991
8850-4
OIL SEPARATOR
CHLORINE STORAGE
TRUCK PAD
NO. 115
NO. 114
NO. 112
NO. 111
NO. 113
NO. 110
NO. 109
NO. 108
NO. 116
NO. 106
NO. 119
NO. 53
NO. 52
NO. 51
NO. 59
MERRILL
ROAD
LARCH ST
51-11
38B 987.35
987.00
986.50
986.00
985.50
37B 985.50
51-13
51-14 985.56
51-18 985.71
51-19 985.45
51-21 985.48
51-20 964.78
51-12
35B 985.43
51-18 985.81
51-17 985.41
51-15
51-5 985.50
51-6
51-7
51-3
51-8 985.34
51-9
985.50
59-7
59-3
59-1
34B 985.66
GROUNDWATER TECHNOLOGY, INC



GROUNDWATER CONTOUR MAP

PROJECT: G.E. BUILDING 51

LOCATION: PITTSFIELD, MASS.

JOB NO.: 01121-8650

MONITORING DATE: 12/20/91

⌖ MONITORING WELL

EX.: 51-20 – WELL IDENTIFICATION
984.78 – GROUNDWATER ELEVATION

— · — · — STORM DRAIN LINE

985.20 —— GROUNDWATER CONTOUR

NOTE: MONITORING DATA FOR WELL 51-12 OMITTED FROM GROUNDWATER CONTOURS DUE TO POSSIBLE INACCURACY.

ELEVATIONS RELATIVE TO DATUM ESTABLISHED BY GERAGHTY & MILLER, INC.

NOTE: ALL WELL LOCATIONS ARE APPROXIMATE

SOURCE: GROUND-PLAN, PLASTICS DIVISION, G.E. COMPANY, PITTSFIELD, MASS., DATED MARCH, 1944, DRAWING # T-6345758-1

GROUNDWATER CONTOURS IN FEET

0 80

SCALE IN FEET

REVISED BY: J. KILLIANY JANUARY 14, 1993

8650-5

GROUNDWATER TECHNOLOGY, INC.