



01-0503

SOMS # 160550

Corporate Environmental Programs  
General Electric Company  
100 Woodlawn Avenue, Pittsfield, MA 01201

*Transmitted Via Overnight Delivery*

July 22, 2002

Mr. Bryan Olson  
EPA Project Coordinator  
U.S. Environmental Protection Agency  
EPA New England  
One Congress Street, Suite 1100  
Boston, Massachusetts 02114-2023

**Re: GE-Pittsfield/Housatonic River Site  
Floodplain Residential and Non-Residential Properties Adjacent to 1 ½ Mile  
Reach of Housatonic River (GECD710 and GECD720)  
Work Plan Addendum – Phase 1, Group 1A and 1B Properties**

Dear Mr. Olson:

In January 2002, the General Electric Company (GE) submitted to the U.S. Environmental Protection Agency (EPA) a document entitled *Pre-Design Investigation Work Plan for Floodplain Properties Adjacent to the 1½ Mile Reach of the Housatonic River* (PDI Work Plan). That document was prepared in accordance with the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site and the accompanying *Statement of Work for Removal Actions Outside the River* (SOW). The PDI Work Plan proposed initial pre-design PCB soil investigations for two Removal Action Areas (RAAs) identified in the CD and SOW: 1) Actual/Potential Lawns of the Floodplain Current Residential Properties Adjacent to the 1½ Mile Reach; and 2) the non-riverbank portions of the Floodplain Non-Residential Properties Adjacent to the 1½ Mile Reach.

In a letter dated July 8, 2002, EPA provided conditional approval of a portion of the PDI Work Plan -- i.e., the pre-design soil investigations identified in the Work Plan for the Phase 1, Group 1A and 1B properties. That letter directed GE to submit a Work Plan Addendum for these properties. (The EPA conditional approval letter also set forth various requirements concerning the remaining properties addressed in the PDI Work Plan, including the future submission of Phase- and/or Group-Specific Work Plan Addenda for those properties.)

This letter constitutes the required Addendum for the Phase 1, Group 1A and 1B properties. It addresses the conditions in EPA's conditional approval letter that relate to these properties and also includes some additional clarifications and updates pertaining to those conditions and the properties in question. In addition, it presents a proposed schedule for the initial pre-design investigations at these properties.

The PDI Work Plan, as modified by EPA's conditional approval of that plan and this Addendum, describe the scope of the initial pre-design investigations for the Phase 1, Group 1A and 1B properties. The scope

of the pre-design investigations for subsequent phases and additional modifications/proposals related to the Phase 2, Phase 3, and Phase 4 properties will be addressed in Work Plan Addenda for EPA review and approval at future dates, consistent with the timing established in EPA's conditional approval letter.

Pre-Design Activities – Phase 1, Group 1A and 1B Properties

EPA's July 8, 2002 conditional approval letter for the PDI Work Plan included certain conditions that pertain to the Phase 1, Group 1A and 1B properties. Those conditions, as well as other clarifications or modifications to the scope of the pre-design investigations, are addressed below.

1. EPA Specific Condition No. 1 for the Phase 1, Group 1A and 1B properties states that Parcel I8-24-6 and Parcel I9-4-13 were recently combined into Parcel I8-24-301 for tax purposes and that, as such, additional pre-design sample locations should be identified in the Addendum (for Parcel I8-24-6). However, based on review of the City of Pittsfield Tax Assessors' Records, GE has determined that it was Parcel I8-24-7 (rather than Parcel I8-24-6) that has been combined with Parcel I9-4-13 to form Parcel I8-24-301. GE has revised Figures 1-1 and 4-1 to identify the new boundary of Parcel I8-24-301.

Since former Parcel I8-24-7 is well outside the 10-year floodplain of the Housatonic River, no additional pre-design soil sampling is proposed by GE at this time. However, following the performance of the initial pre-design investigations for Parcel I8-24-301 and adjacent Parcel I8-24-5, GE will consider the need for additional soil sampling within these parcels, as well as Parcel I8-24-6, and provide a sampling proposal to EPA as warranted, consistent with the approach established in the PDI Work Plan.

2. GE has revised Figure 1-1 (which depicts the Phase 1, Group 1A and 1B properties) and Figures 4-1 and 4-2 (which depict existing and proposed PCB sampling locations for the subject properties) to include the 10-year floodplain boundary and the available topographic contour lines. In addition, Figure 1-1 and 4-1 have been revised to indicate a change in the designated land use for Parcel I9-4-12. The SOW, and more recently the PDI Work Plan, had identified this parcel as a non-residential/non-commercial property. However, a recent reconnaissance performed by GE identified this parcel as a residential property. Based on a review of the proposed initial soil investigations, this change in property use designation does not warrant a modification to the initial pre-design sampling locations, since the spacing of the proposed sample locations on this parcel is generally consistent with those at the adjacent residential property (now Parcel I8-24-301). However, samples from the proposed soil boring on Parcel I9-4-12 will be collected from depth increments consistent with those identified for residential properties in the PDI Work Plan (i.e., 0 to 1 foot, 1 to 3 feet, 3 to 5 feet, 5 to 7 feet, and 7 to 9 feet).
3. As required in General Condition No. 8 of the EPA conditional approval letter, GE has included the existing data for the constituents listed in Appendix IX of 40 CFR Part 264 for the Phase 1, Group 1A and 1B properties in this Addendum. These data are presented in Table 1. As seen on that table, the only such existing data consist of the results from three soil samples collected by EPA from Parcel I8-24-1 and analyzed for various groups of Appendix IX constituents. These samples were collected by EPA in June 2000, and the analytical results were made available to GE as part of a database exchange between GE and EPA. It is GE's understanding that the data in this database have been validated by EPA.

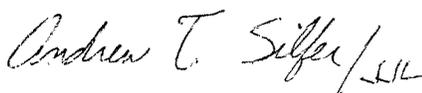
Proposed Schedule

Following receipt of EPA approval of this Addendum, GE will initiate pre-design investigations. Consistent with General Condition No. 5 (last paragraph) of EPA's conditional approval letter, the investigations will focus first on the specific areas that will be affected by access road construction activities associated with EPA's 1½ Mile Reach Removal Action (as shown on Figures 4-1 and 4-2), and GE will endeavor to complete the pre-design investigations in those specific areas as soon as practicable. GE will also continue its ongoing communications with EPA to discuss scheduling matters and to coordinate future field activities.

Consistent with schedule provided in Section 5 of the PDI Work Plan, GE will complete the overall pre-design investigations for the Phase 1 properties and submit a Second PDI Work Plan Addendum for these properties within six months from EPA's approval of the present Addendum. That Second Addendum will propose a specific schedule for the performance of any additional sampling and analysis activities, as well as future reporting, for the Phase 1 properties.

Please contact Dick Gates or me with any questions.

Sincerely,



Andrew T. Silfer, P.E.  
GE Project Coordinator  
Enclosure

JJL/dmn

cc: Tim Conway, EPA	Michael Carroll, GE (cover letter only)
Holly Inglis, EPA	Richard Gates, GE
Dean Tagliaferro, EPA	Rod McLaren, GE (cover letter only)
Michael Nalipinski, EPA	James Nuss, BBL
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Susan Steenstrup, MDEP (2 copies)	Teresa Bowers, Gradient
Alan Weinberg, MDEP (cover letter only)	Property Owner – Parcel 18-24-1
Robert Bell, MDEP (cover letter only)	Property Owner – Parcel 18-24-5
Thomas Angus, MDEP (cover letter only)	Property Owner – Parcel 18-24-301
Nancy E. Harper, MA AG	Property Owner – Parcel 19-4-12
Dale Young, MA EOEA	Public Information Repositories
Mayor Sara Hathaway, City of Pittsfield	GE Internal Repository
Thomas Hickey, Director, PEDDA	

TABLE 1

## GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
FLOODPLAIN PROPERTIES ADJACENT TO THE 1 1/2 MILE REACH -  
PHASE 1, GROUP 1A & 1B

## SUMMARY OF EXISTING SOIL APPENDIX IX DATA

## PHASE 1, GROUP 1B

## PARCEL 18-24-1

(Results presented in ppm, dry weight)

Sample ID: Sample Depth(ft): Date Collected:	RB010981 0 - 0.5 06/19/00	RB011001 1 - 1.5 06/19/00	RB011041 0 - 0.5 06/16/00
<b>PESTICIDES</b>			
4,4'-DDD	ND(2.6)	ND(0.46)	ND(0.22)
4,4'-DDE	ND(2.6)	ND(0.46)	ND(0.22)
4,4'-DDT	7.7 J	1.5 J	0.41 J
ALDRIN	ND(1.3)	ND(0.23)	ND(0.11)
ALPHA-BHC	ND(1.3)	ND(0.23)	ND(0.11)
BETA-BHC	ND(1.3)	ND(0.23)	ND(0.11)
CHLORDANE	ND(1.3)	ND(2.3)	ND(1.1)
DELTA-BHC	ND(1.3)	ND(0.23)	ND(0.11)
DIELDRIN	2.8 J	ND(0.46)	ND(0.22)
ENDOSULFAN I	ND(1.3)	ND(0.23)	ND(0.11)
ENDOSULFAN II	ND(2.6)	ND(0.46)	ND(0.22)
ENDOSULFAN SULFATE	ND(2.6)	ND(0.46)	ND(0.22)
ENDRIN	ND(2.6)	ND(0.46)	ND(0.22)
ENDRIN ALDEHYDE	ND(2.6)	ND(0.46)	ND(0.22)
GAMMA BHC (LINDANE)	ND(1.3)	ND(0.23)	ND(0.11)
HEPTACHLOR	ND(1.3)	ND(0.23)	ND(0.11)
HEPTACHLOR EPOXIDE	ND(1.3)	ND(0.23)	ND(0.11)
ISODRIN	ND(1.3)	ND(0.23)	ND(0.11)
KEPONE	R	R	R
METHOXYCHLOR	ND(1.3)	ND(2.3)	ND(1.1)
TOXAPHENE	ND(130)	ND(23)	ND(11)
<b>HERBICIDES</b>			
DINOSEB	ND(0.5)	ND(0.45)	ND(0.43)
<b>SEMIVOLATILES</b>			
1,2,4,5-TETRACHLORO BENZENE	ND(0.5)	ND(0.45)	ND(0.43)
1,2,4-TRICHLORO BENZENE	0.22 J	0.035 J	0.028 J
1,2-DICHLORO BENZENE	ND(0.5)	ND(0.45)	ND(0.43)
1,3,5-TRINITRO BENZENE	ND(0.5)	ND(0.45)	ND(0.43)
1,3-DICHLORO BENZENE	ND(0.5)	ND(0.45)	ND(0.43)
1,3-DINITRO BENZENE	ND(0.5)	ND(0.45)	ND(0.43)
1,4-DICHLORO BENZENE	0.2 J	0.077 J	ND(0.43)
1,4-NAPHTHOQUINONE	ND(0.5)	ND(0.45)	ND(0.43)
1-NAPHTHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
2,3,4,6-TETRACHLOROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2,4,5-TRICHLOROPHENOL	ND(1.2)	ND(1.1)	ND(1.1)
2,4,6-TRICHLOROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2,4-DICHLOROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2,4-DIMETHYLPHENOL	ND(0.5) J	ND(0.45) J	ND(0.43) J
2,4-DINITROPHENOL	ND(1.2)	ND(1.1)	ND(1.1)
2,4-DINITROTOLUENE	ND(0.5)	ND(0.45)	ND(0.43)
2,6-DICHLOROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2,6-DINITROTOLUENE	ND(0.5) J	ND(0.45) J	ND(0.43) J
2-ACETYLAMINOFLUORENE	ND(0.5)	ND(0.45)	ND(0.43)
2-CHLORONAPHTHALENE	ND(0.5) J	ND(0.45) J	ND(0.43) J
2-CHLOROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2-METHYLNAPHTHALENE	0.1 J	0.047 J	0.12 J
2-METHYLPHENOL (O-CRESOL)	ND(0.5) J	ND(0.45) J	ND(0.43) J
2-NAPHTHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
2-NITROANILINE	ND(1.2)	ND(1.1)	ND(1.1)
2-NITROPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
2-PICOLINE (ALPHA-PICOLINE)	ND(0.5)	ND(0.45)	ND(0.43)

See Notes on Page 5.

TABLE 1

## GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
FLOODPLAIN PROPERTIES ADJACENT TO THE 1 1/2 MILE REACH -  
PHASE 1, GROUP 1A & 1BSUMMARY OF EXISTING SOIL APPENDIX IX DATA  
PHASE 1, GROUP 1B  
PARCEL I8-24-1

(Results presented in ppm, dry weight)

Sample ID: Sample Depth(ft): Date Collected:	RB010981 0 - 0.5 06/19/00	RB011001 1 - 1.5 06/19/00	RB011041 0 - 0.5 06/16/00
<b>SEMIVOLATILES (cont'd)</b>			
3,3'-DICHLOROBENZIDINE	ND(0.5)	ND(0.45)	ND(0.43)
3,3'-DIMETHYLBENZIDINE	ND(0.5)	ND(0.45)	ND(0.43)
3-METHYLCHOLANTHRENE	ND(0.5)	ND(0.45)	ND(0.43)
3-NITROANILINE	ND(1.2) J	ND(1.1) J	ND(1.1) J
4,6-DINITRO-2-METHYLPHENOL	ND(1.2)	ND(1.1)	ND(1.1)
4-AMINOBIIPHENYL	ND(0.5)	ND(0.45)	ND(0.43)
4-BROMOPHENYL PHENYL ETHER	ND(0.5)	ND(0.45)	ND(0.43)
4-CHLORO-3-METHYLPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
4-CHLOROANILINE	ND(0.5)	ND(0.45)	ND(0.43)
4-CHLOROPHENYL PHENYL ETHER	ND(0.5)	ND(0.45)	ND(0.43)
4-METHYLPHENOL	ND(0.5)	ND(0.45)	ND(0.43)
4-NITROANILINE	ND(1.2)	ND(1.1)	ND(1.1)
4-NITROPHENOL	ND(1.2)	ND(1.1)	ND(1.1)
4-NITROQUINOLINE-1-OXIDE	ND(0.5)	ND(0.45)	ND(0.43)
5-NITRO-O-TOLUIDINE	ND(0.5)	ND(0.45)	ND(0.43)
7,12-DIMETHYLBENZ(A)ANTHRACENE	ND(0.5)	ND(0.45)	ND(0.43)
A,A-DIMETHYLPHENETHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
ACENAPHTHENE	0.077 J	0.044 J	0.37 J
ACENAPHTHYLENE	0.2 J	0.084 J	0.084 J
ACETOPHENONE	ND(0.5)	ND(0.45)	ND(0.43)
ANILINE	ND(1.2)	ND(1.1)	ND(1.1)
ANTHRACENE	0.65	0.12 J	0.78
ARAMITE	ND(0.5)	ND(0.45)	ND(0.43)
AZOBENZENE	ND(0.5) J	ND(0.45) J	ND(0.43) J
BENZO(A)ANTHRACENE	0.92	0.7	2
BENZO(A)PYRENE	0.99	0.72	1.8
BENZO(B)FLUORANTHENE	0.95	0.79	2.3
BENZO(GHI)PERYLENE	0.48 J	0.37 J	0.59
BENZO(K)FLUORANTHENE	0.85	0.76	1.7
BENZYL ALCOHOL	ND(0.5) J	ND(0.45) J	ND(0.43) J
BIS(2-CHLOROETHOXY) METHANE	ND(0.5)	ND(0.45)	ND(0.43)
BIS(2-CHLOROETHYL) ETHER	ND(0.5)	ND(0.45)	ND(0.43)
BIS(2-CHLOROISOPROPYL) ETHER	ND(0.5)	ND(0.45)	ND(0.43)
BIS(2-ETHYLHEXYL) PHTHALATE	ND(0.5)	0.022 J	0.13 J
BUTYLBENZYLPHTHALATE	ND(0.5)	ND(0.45)	ND(0.43)
CHLOROBENZILATE	ND(0.5)	ND(0.45)	ND(0.43)
CHRYSENE	1.1	0.93	2.2
DI-N-BUTYL PHTHALATE	0.034 J	ND(0.45)	ND(0.43)
DI-N-OCTYL PHTHALATE	ND(0.5)	ND(0.45)	ND(0.43)
DIALATE	ND(0.5)	ND(0.45)	ND(0.43)
DIBENZO(A,H)ANTHRACENE	0.15 J	0.12 J	0.23 J
DIBENZOFURAN	0.076 J	0.052 J	0.26 J
DIETHYL PHTHALATE	ND(0.5)	ND(0.45)	ND(0.43)
DIMETHYL PHTHALATE	ND(0.5)	ND(0.45)	ND(0.43)
DINOSEB	ND(0.5)	ND(0.45)	ND(0.43)
ETHYL METHANESULFONATE	ND(0.5)	ND(0.45)	ND(0.43)
FLUORANTHENE	1.3	1.6	3.6
FLUORENE	0.13 J	0.1 J	0.32 J
HEXACHLOROBENZENE	ND(0.5)	ND(0.45)	ND(0.43)
HEXACHLOROBUTADIENE	ND(0.5)	ND(0.45)	ND(0.43)

See Notes on Page 5.

TABLE 1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
FLOODPLAIN PROPERTIES ADJACENT TO THE 1 1/2 MILE REACH -  
PHASE 1, GROUP 1A & 1B

SUMMARY OF EXISTING SOIL APPENDIX IX DATA  
PHASE 1, GROUP 1B  
PARCEL 18-24-1

(Results presented in ppm, dry weight)

Sample ID: Sample Depth(ft): Date Collected:	RB010981 0 - 0.5 06/19/00	RB011001 1 - 1.5 06/19/00	RB011041 0 - 0.5 06/16/00
<b>SEMIVOLATILES (cont'd)</b>			
HEXACHLOROCYCLOPENTADIENE	ND(0.5)	ND(0.45)	ND(0.43)
HEXACHLOROETHANE	ND(0.5)	ND(0.45)	ND(0.43)
HEXACHLOROPROPENE	ND(0.5)	ND(0.45)	ND(0.43)
INDENO(1,2,3-C,D)PYRENE	0.39 J	0.35 J	0.59
ISOPHORONE	ND(0.5)	ND(0.45)	ND(0.43)
ISOSAFROLE	ND(0.5) J	ND(0.45) J	ND(0.43) J
METHAPYRILENE	ND(0.5)	ND(0.45)	ND(0.43)
METHYL METHANESULFONATE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSO-DI-N-BUTYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSO-DI-N-PROPYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSODIETHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSODIMETHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSODIPHENYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSOMORPHOLINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSOPIPERIDINE	ND(0.5)	ND(0.45)	ND(0.43)
N-NITROSOPYRROLIDINE	ND(0.5)	ND(0.45)	ND(0.43)
NAPHTHALENE	0.22 J	0.1 J	0.18 J
NITROBENZENE	ND(0.5)	ND(0.45)	ND(0.43)
NITROSOMETHYLETHYLAMINE	ND(0.5)	ND(0.45)	ND(0.43)
O-TOLUIDINE	ND(0.5)	ND(0.45)	ND(0.43)
P-DIMETHYLAMINOAZOBENZENE	ND(0.5)	ND(0.45)	ND(0.43)
P-PHENYLENEDIAMINE	ND(0.5)	ND(0.45)	ND(0.43)
PENTACHLOROENZENE	ND(0.5)	ND(0.45)	ND(0.43)
PENTACHLOROETHANE	ND(0.5)	ND(0.45)	ND(0.43)
PENTACHLORONITROBENZENE	ND(0.5)	ND(0.45)	ND(0.43)
PENTACHLOROPHENOL	ND(1.2)	ND(1.1)	ND(1.1)
PHENACETIN	ND(0.5)	ND(0.45)	ND(0.43)
PHENANTHRENE	1	1.2	3.7
PHENOL	ND(0.5)	ND(0.45)	ND(0.43)
PRONAMIDE	ND(0.5)	ND(0.45)	ND(0.43)
PYRENE	1.7	1.9	4.4
PYRIDINE	ND(0.5)	ND(0.45)	ND(0.43)
SAFROLE	ND(0.5)	ND(0.45)	ND(0.43)
<b>POLYCHORINATED DIBENZOFURANS</b>			
2,3,7,8-TCDF	NA	0.000012	0.000044
TCDFs (total)	NA	0.00011 J	0.00043 J
1,2,3,7,8-PECDF	NA	0.0000063	0.000015
2,3,4,7,8-PECDF	NA	0.000019	0.000027
PECDFs (total)	NA	0.00019 J	0.00032 J
1,2,3,4,7,8-HXCDF	NA	0.000020	0.000043
1,2,3,6,7,8-HXCDF	NA	0.0000087	0.000016
1,2,3,7,8,9-HXCDF	NA	0.0000042	0.0000084
2,3,4,6,7,8-HXCDF	NA	0.000016	0.000022
HXCDFs (total)	NA	0.00031 J	0.00037 J
1,2,3,4,6,7,8-HPCDF	NA	0.00019	0.00018
1,2,3,4,7,8,9-HPCDF	NA	0.000017	0.000022
HPCDFs (total)	NA	0.00056 J	0.00036 J
OCDF	NA	0.00041	0.00014

See Notes on Page 5.

TABLE 1

## GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
FLOODPLAIN PROPERTIES ADJACENT TO THE 1 1/2 MILE REACH -  
PHASE 1, GROUP 1A & 1B

## SUMMARY OF EXISTING SOIL APPENDIX IX DATA

## PHASE 1, GROUP 1B

## PARCEL 18-24-1

(Results presented in ppm, dry weight)

Sample ID: Sample Depth(ft): Date Collected:	RB010981 0 - 0.5 06/19/00	RB011001 1 - 1.5 06/19/00	RB011041 0 - 0.5 06/16/00
<b>POLYCHORINATED DIBENZO-P-DIOXONS</b>			
2,3,7,8-TCDD	NA	0.0000061	0.0000012
TCDDs (total)	NA	0.0000064 J	0.000079 J
1,2,3,7,8-PECDD	NA	0.0000020 J	0.0000062
PECDDs (total)	NA	0.000024 J	0.00010 J
1,2,3,4,7,8-HXCDD	NA	0.0000038	0.0000074
1,2,3,6,7,8-HXCDD	NA	0.000021	0.000012
1,2,3,7,8,9-HXCDD	NA	0.0000087	0.0000090
HXCDDs (total)	NA	0.00015 J	0.00017 J
1,2,3,4,6,7,8-HPCDD	NA	0.00070	0.00010
HPCDDs (total)	NA	0.0013 J	0.00021 J
OCDD	NA	0.0067 J	0.00057
<b>TOTAL TEQ (WHO TEFs)</b>	NA	0.000031	0.000041
<b>METALS</b>			
ANTIMONY	0.64	1.2	1.2
ARSENIC	4.8	3.3	10.2
BARIUM	47.9	46.2	64.2
BERYLLIUM	0.45	0.43	0.52
CADMIUM	0.83	0.04	ND(0.03)
CALCIUM	NA	NA	NA
CHROMIUM	23.7	30.8	13.7
COBALT	8.8	7.6	8.4
COPPER	50.8	40.9	38.9
LEAD	115 J	73.4 J	153 J
MAGNESIUM	NA	NA	NA
MERCURY	0.36	0.32	0.26
NICKEL	16.5	14.7	17.9
SELENIUM	0.69 J	ND(0.5) J	0.77 J
SILVER	ND(0.25)	0.84	ND(0.22)
THALLIUM	ND(2.3)	ND(2)	ND(2.4)
TIN	6.1 J	3.2 J	11.3
VANADIUM	20.8	13.7	18.9
ZINC	201	107	119

See Notes on Page 5.

**TABLE 1**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR**  
**THE FLOODPLAIN PROPERTIES ADJACENT TO THE 1 1/2 MILE REACH -**  
**PHASE 1, GROUP 1A & 1B**  
  
**SUMMARY OF EXISTING SOIL APPENDIX IX DATA**  
**PHASE 1, GROUP 1B**  
**PARCEL I8-24-1**  
**(Results presented in ppm, dry weight)**

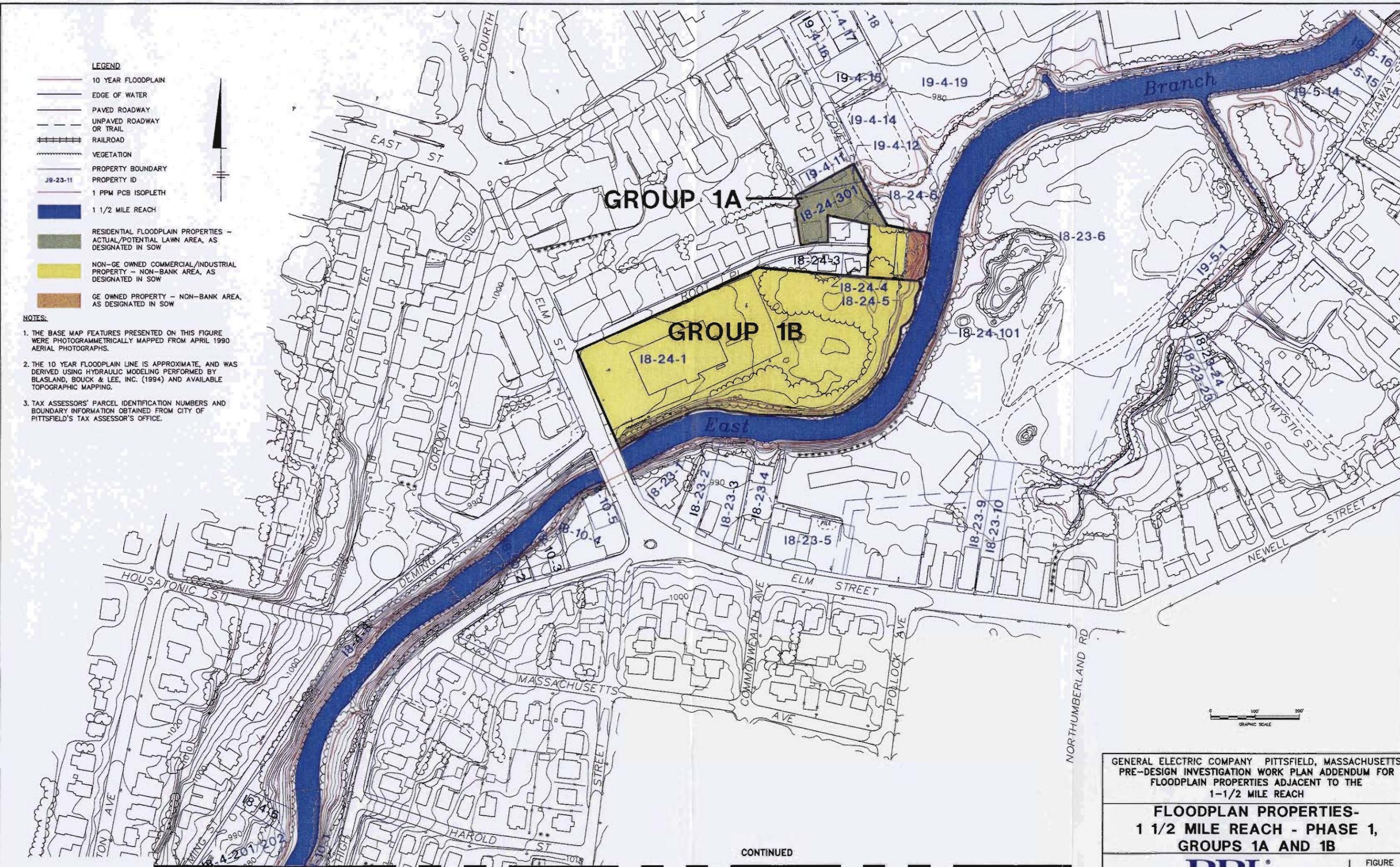
Notes:

1. Samples were collected and analyzed by EPA for the groups of Appendix IX constituents shown in this table.
2. ND - Compound was not detected. The number in parentheses is the associated quantitation limit for volatiles and semivolatiles and the associated detection limit for other constituents detection limit.
3. J - Indicates an estimated value less than the PQL (practical quantitation limit).
4. NA - Not analyzed.
5. R - Results rejected due to QA/QC deficiency.
6. Duplicate results are presented in parenthesis.
7. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
8. Sample data obtained from EPA database entitled "120601\_usepa\_hr\_dbase1.mdb and GE database entitled "hr121201.mdb".

- LEGEND**
- 10 YEAR FLOODPLAIN
  - EDGE OF WATER
  - PAVED ROADWAY
  - UNPAVED ROADWAY OR TRAIL
  - RAILROAD
  - VEGETATION
  - PROPERTY BOUNDARY
  - PROPERTY ID
  - 1 PPM PCB ISOPLETH
  - 1 1/2 MILE REACH
  - RESIDENTIAL FLOODPLAIN PROPERTIES - ACTUAL/POTENTIAL LAWN AREA, AS DESIGNATED IN SOW
  - NON-GE OWNED COMMERCIAL/INDUSTRIAL PROPERTY - NON-BANK AREA, AS DESIGNATED IN SOW
  - GE OWNED PROPERTY - NON-BANK AREA, AS DESIGNATED IN SOW

**NOTES:**

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS.
2. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE, AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.
3. TAX ASSESSORS' PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE.



CONTINUED

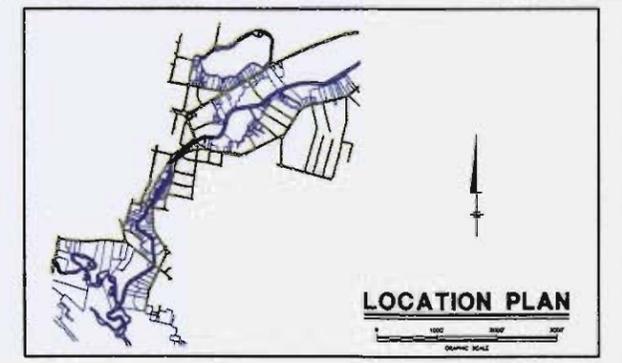
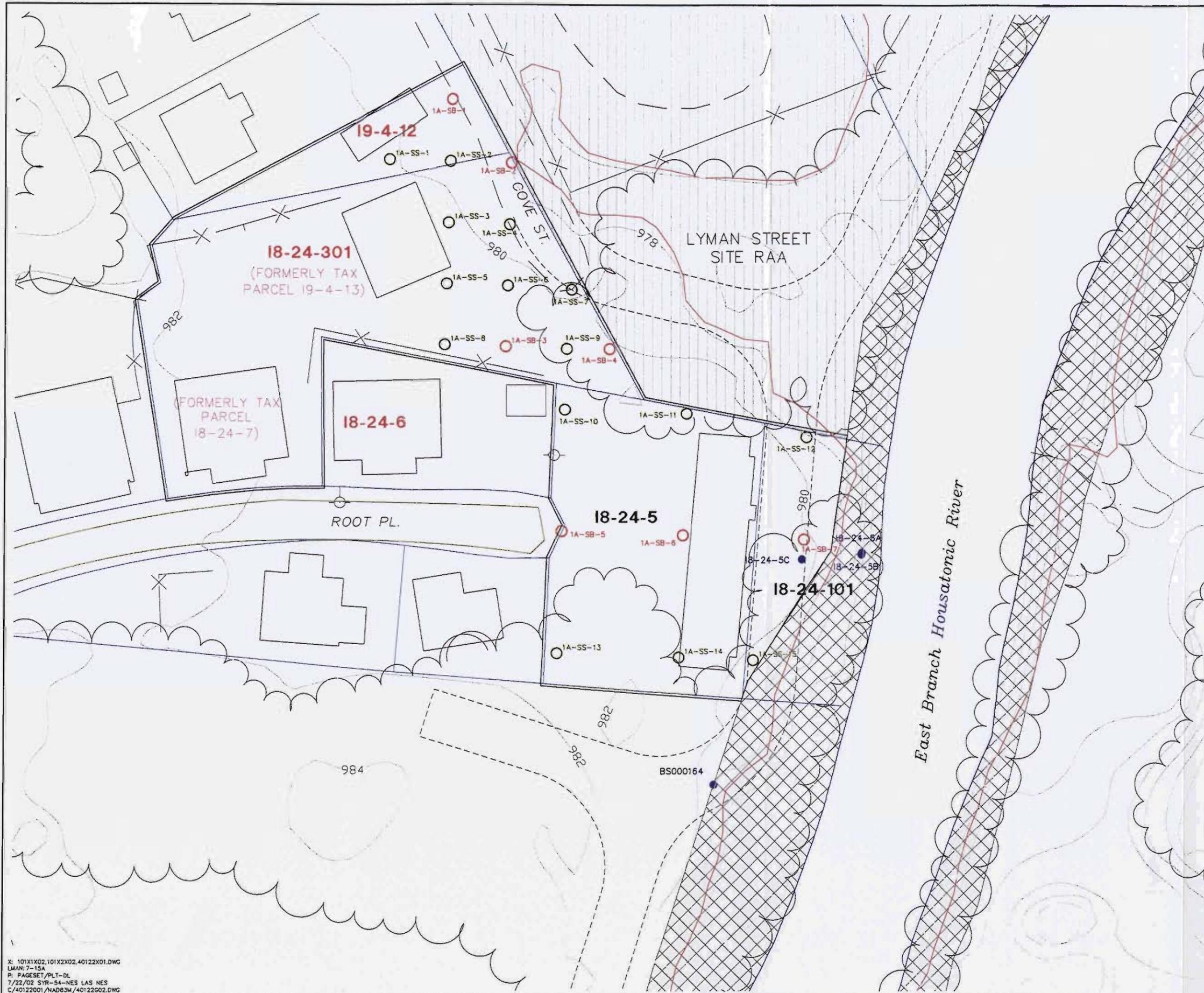
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS  
 PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
 FLOODPLAIN PROPERTIES ADJACENT TO THE  
 1-1/2 MILE REACH

**FLOODPLAIN PROPERTIES-  
 1 1/2 MILE REACH - PHASE 1,  
 GROUPS 1A AND 1B**

**BBL**  
 BLASLAND, BOUCK & LEE, INC.  
 engineers & scientists

FIGURE  
**1-1**

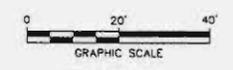
X:101X1X02, 101X2X02, 40122X00, 40122X01.DWG  
 LMAN:7-15A  
 P: PAGESET- DL, DL2B  
 7/22/02 SYR-54-YCC LAF NES  
 C:40122001/NAD83M/40122001.DWG



**LEGEND**

- APPROXIMATE PARCEL BOUNDARY
- x-x- FENCELINE
- 18-24-301 RESIDENTIAL PROPERTY PARCEL ID
- 18-24-5 NON-RESIDENTIAL PROPERTY PARCEL ID
- 1A-SB EXISTING SOIL BORING LOCATION
- 1A-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 1A-SB-2 PROPOSED SOIL BORING LOCATION
- BOUNDARY OF FLOODPLAIN PROPERTIES DESIGNATED IN SOW (FOR GROUP 1A)
- - - PROPOSED EPA ACCESS ROADS
- 10 YEAR FLOODPLAIN
- ▨ AREA TO BE ADDRESSED BY EPA IN 1 1/2 MILE REACH REMOVAL AREA

- NOTES:**
1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
  2. SAMPLE LOCATIONS ARE APPROXIMATE.
  3. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.
  4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE, AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.



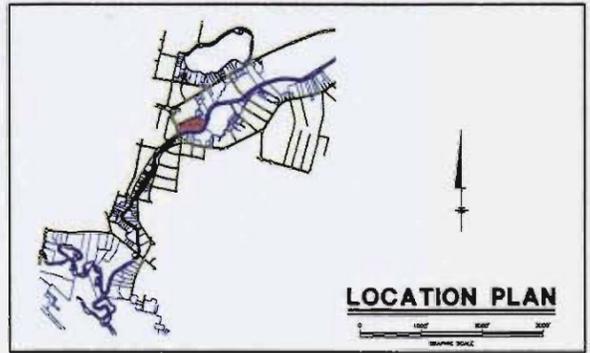
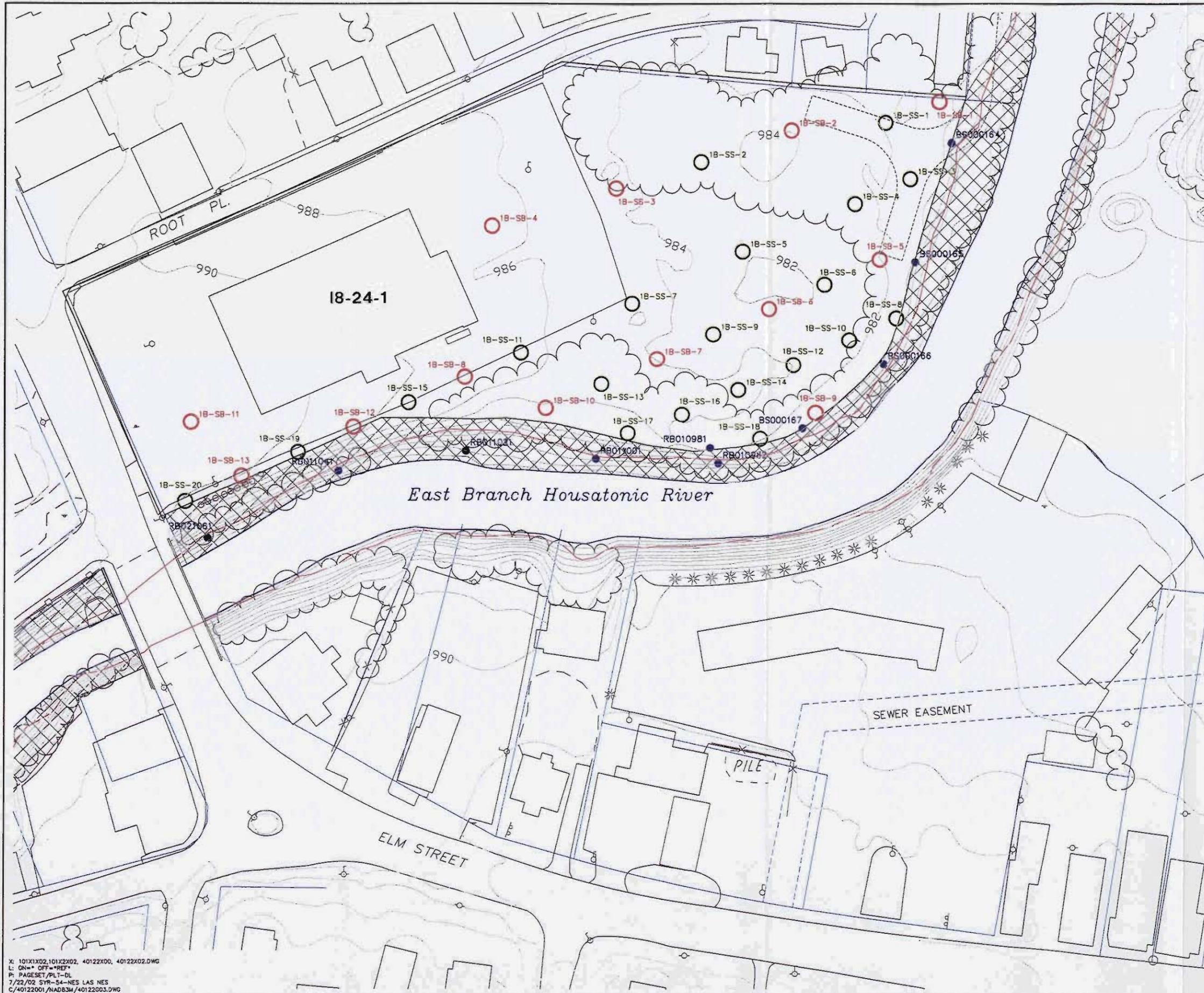
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS  
 PRE-DESIGN INVESTIGATION WORK PLAN ADDENDUM FOR  
 FLOODPLAIN PROPERTIES ADJACENT TO THE  
 1-1/2 MILE REACH

**SUMMARY OF PROPOSED  
 SOIL SAMPLING LOCATIONS  
 FOR PHASE 1, GROUP 1A**



FIGURE  
**4-1**

X: 101X1X02,101X2X02,40122X01.DWG  
 LMAN: 7-15A  
 P: PAGESET/PLT-DL  
 7/22/02 SYR-54-NES LAS NES  
 C/40122001/NAD83W/40122002.DWG



- LEGEND**
- APPROXIMATE PARCEL BOUNDARY
  - X—X— FENCELINE
  - 10 YEAR FLOODPLAIN
  - 18-24-1** NON-RESIDENTIAL PROPERTY PARCEL ID
  - 1A-91 EXISTING SOIL BORING LOCATION
  - 1B-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
  - 1B-SB-2 PROPOSED SOIL BORING LOCATION
  - ▨ AREA TO BE ADDRESSED BY EPA IN 1/2 MILE REACH REMOVAL AREA
  - BOUNDARY OF FLOODPLAIN PROPERTIES DESIGNATED IN SOW (FOR GROUP 1B)
  - - - PROPOSED EPA ACCESS ROAD

- NOTES:**
1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
  2. SAMPLE LOCATIONS ARE APPROXIMATE.
  3. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.
  4. THE 10 YEAR FLOODPLAIN LINE IS APPROXIMATE, AND WAS DERIVED USING HYDRAULIC MODELING PERFORMED BY BLASLAND, BOUCK & LEE, INC. (1994) AND AVAILABLE TOPOGRAPHIC MAPPING.



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 FLOODPLAIN PROPERTIES ADJACENT TO THE  
 1-1/2 MILE REACH

**SUMMARY OF PROPOSED  
 SOIL SAMPLING LOCATIONS  
 FOR PHASE 1, GROUP 1B**



FIGURE  
**4-2**

X: 101X1X02,101X2X02, 40122X00, 40122X02.DWG  
 L: ONA\* OFF=REF\*  
 P: PAGESET/PLT-DL  
 7/22/02 SYR-54-NES LAS NES  
 C:/40122001/NAD83M/40122003.DWG