GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted Via Overnight Delivery

July 27, 2007

Ms. Susan Svirsky
U.S. Environmental Protection Agency
c/o Weston Solutions, Inc.
10 Lyman Street
Pittsfield, MA 01201

Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action

Dear Ms. Svirsky:

On September 7, 2005, the General Electric Company (GE) submitted a document to the United States Environmental Protection Agency (EPA) titled *Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (PDI Report). That report summarized the results of pre-design soil and sediment investigations performed by GE at the Unkamet Brook Area (the Site) and proposed certain supplemental soil investigations to further understand the extent of polychlorinated biphenyls (PCBs) and dioxin/furans in select areas. Following the submittal of the PDI Report, GE proposed additional supplemental PCB sampling in a letter to EPA titled *Addendum to the Pre-Design Investigation Report* (Addendum). The Addendum was approved by EPA in a letter to GE dated March 8, 2006, and the PDI Report was conditionally approved by EPA in a letter to GE dated February 22, 2007.

Pursuant to EPA's February 22, 2007 conditional approval letter, GE conducted the proposed sampling plus the additional sampling specified in the February 22, 2007 letter and summarizes the results in this *Supplement to the Pre-Design Investigation Report for Unkamet Brook Removal Action* (Supplement). Based on data needs identified through the results of that sampling, GE also presents a proposal for additional soil sampling. In addition, Condition No. 1 of the February 22, 2007 conditional approval letter specified that, for administrative purposes relating to submitting future deliverables, conducting future sampling and potential Removal Actions and tracking schedules, the Unkamet Brook Area should be divided into two areas: Unkamet Brook-West and Unkamet Brook-Remainder. Accordingly, this Supplement includes a figure showing the two areas of the Unkamet Brook Area as designated by EPA. Moreover, pursuant to the February 22, 2007 letter, this Supplement provides figures showing PCB analytical results collected within areas formerly referred to as the North and East Areas on a depth-specific basis, and a schedule for submission of the Conceptual Removal Design/Removal Action (RD/RA) Work Plans for Unkamet Brook-West and Unkamet Brook-Remainder. The above listed items are further discussed below.

A. Administrative Division of Unkamet Brook Areas

In accordance with Condition No. 1 of EPA's February 22, 2007 conditional approval letter, the Unkamet Brook Area will be divided into two separate areas as described below for the administrative purposes of submitting future deliverables, conducting future sampling and potential Removal Actions, and tracking schedules. A map delineating the two areas is provided in Figure 1.

Please note that former Parcels L12-1-3 and L11-4-213 have been combined into Parcel L12-1-101. Accordingly, GE has removed Parcels L12-1-3 and L11-4-213 from the list provided in EPA's February 22, 2007 conditional approval letter and is proposing to place Parcel L12-1-101 in the Unkamet Brook–Remainder Area since a portion of Unkamet Brook flows within this parcel.

In addition, pursuant to EPA's February 22, 2007 conditional approval letter and the Fifth Modification of Consent Decree filed with the United States District Court for the District of Massachusetts on May 25, 2007, Parcel L12-1-2 and the adjacent portion of the Merrill Road Right-of-Way have been removed from the Unkamet Brook Area. Therefore, Parcel L12-1-2 and the adjacent right-of-way are excluded from the Unkamet Brook Area as shown on Figure 1 and will not be addressed in future deliverables.

Unkamet Brook–West: This area will consist of the following parcels:

- Parcel K12-9-1 (industrial portion);
- Parcel K11-7-2;
- Parcel K11-7-8;
- Parcel K11-7-9;
- Parcel L2-2-2; and
- Plastics Avenue between OP-1 and Building 51 and 59.

Pursuant to Condition No. 8 of EPA's February 22, 2007 conditional approval letter, Parcel K11-7-46 is not within the Unkamet Brook Area Removal Action because that tax parcel contains only buildings OP-1 and OP-2 and not the soil underlying those buildings. GE acknowledges that soil beneath buildings OP-1 and OP-2 (on Parcel K11-7-2) are subject to the CD, and shall be subject to future RD/RA evaluation and response action, if necessary, should the buildings be removed. The area on Parcel K11-7-2 underneath the buildings comprising Parcel K11-7-46 shall be a restricted area in the Grant of Environmental Restriction and Easement (ERE) for the Unkamet Brook Area and shall be subject to that ERE.

Unkamet Brook–Remainder: This area will consist of the following parcels:

- Parcel K12-9-1 (non-industrial portion);
- Parcel L12-3-1 (portion within the Unkamet Brook Area);
- Parcel L12-1-4;
- Parcel L12-1-5;
- Parcel L12-1-101;
- Parcel L12-2-1;
- Parcel L11-4-11; and
- Parcel L11-4-112.

B. Supplemental Investigation Analytical Results

Between March 6 and June 8, 2007, pursuant to the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, GE performed supplemental pre-design soil investigations in accordance with the PDI Report (as conditionally approved by EPA) and Addendum (as approved by EPA). These investigations involved the collection and analysis of 53 PCB soil samples from 44 locations and 4 dioxin/furan soil samples from 4 locations. Analytical results associated with PCB and dioxin/furan analyses are summarized on Tables 1 and 2, respectively. Sample locations are shown on Figures 2 through 7. Boring logs are provided in Attachment A.

Analytical results obtained during supplemental investigations have undergone data review validation in accordance with Section 7.5 of the *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) and the results of the data validation are presented in Attachment B. As discussed in that report, 100 percent of the analytical results obtained during supplemental investigations are considered usable.

C. Proposed Additional Investigation Activities

GE has reviewed the analytical results summarized in Tables 1 and 2 to determine whether additional sampling is needed to define the extent of PCBs and dioxin/furans within the Unkamet Brook Area. The results of this review are described below.

PCBs

Based on a review of the PCB analytical results summarized in Table 1, in combination with prior data, GE has identified three locations requiring additional sampling to further assess the presence of PCBs in soil at the Unkamet Brook Area. To satisfy these data needs, GE proposes to conduct additional supplemental PCB sampling at three locations:

- E-KKLL6.5 – the objective of this location is to further define the presence of PCBs to the west of supplemental sample location E-KK5.5 (PCBs detected at 3.9 ppm in the 0- to 1-foot depth increment);
- E-MMNN8.5 – the objective of this location is to further define the presence of PCBs to the west of supplemental sample location E-MM7.5 (PCBs detected at 2.8 ppm in the 0- to 1-foot depth increment); and
- E-BBB27 – the objective of this location is to further define the presence of PCBs to the south of supplemental sample location E-AAABBB27 (PCBs detected at 100 ppm in the 0- to 1-foot depth increment).

As indicated on Table 3, samples will be collected from the 0- to 1-foot depth increment at those locations. Proposed sample locations are shown on Figure 4. The proposed additional supplemental investigations presented herein have been previously discussed with EPA and will be conducted with EPA approval received via electronic correspondence dated July 13, 2007. As further described in Part E below, GE anticipates presenting the results of additional supplemental sampling to EPA in the Conceptual RD/RA Work Plan for the Unkamet Brook-Remainder area. The analytical results will also be presented to EPA in the monthly progress reports related to the GE-Pittsfield/Housatonic River Site.

Dioxin/Furans

Based on a review of the dioxin/furan analytical results summarized in Table 2, in combination with prior data, GE has concluded that no additional dioxin/furan sampling is warranted within the Unkamet Brook Area.

D. PCB Quantification Figures

In accordance with Condition No. 9 of EPA's February 22, 2007 conditional approval letter, GE has developed figures quantifying PCB concentrations within areas formerly referred to as the North and East Areas on a depth-specific basis (i.e., a separate figure for the 0- to 1-foot, 1- to 3-foot, 3- to 6-foot, and 6- to 15-foot depth increments). These figures are included in Attachment C.

E. Schedule for Work Plan Submittals

GE proposes to submit Conceptual RD/RA Work Plans for the Unkamet Brook–West and Unkamet Brook–Remainder areas within 120 and 360 days, respectively, following EPA's approval of this Supplement. The schedule associated with the later work plan is contingent upon many factors, including but not limited to: receipt of property access, the results of additional supplemental investigations, and the need for follow-up investigations.

Please call me if you have any questions or comments regarding this supplement.

Sincerely,

Richard W. Gates/ACC

Richard W. Gates
Remediation Project Manager

Attachments

cc: Dean Tagliaferro, EPA
Rose Howell, EPA*
Holly Inglis, EPA
Tim Conway, EPA
John Kilborn, EPA
K.C. Mitkevicius, USACE
Susan Steenstrup, MDEP (2 copies)
Anna Symington, MDEP*
Robert Bell, MDEP*
Nancy E. Harper, MA AG*
Dale Young, MA EOEA*
Mayor James Ruberto, City of Pittsfield
Linda Palmieri, Weston (2 copies)
Michael Carroll, GE*
Rod McLaren, GE*
James Nuss, ARCADIS BBL
James Bieke, Goodwin Procter LLP
Andrew Hogeland, GE Plastics
Steven Deloye, GE Plastics
Dennis Arseneau, GE Plastics
John Wood, GE Plastics*
Scott LeBeau, General Dynamics
Larry Salvatore, Massachusetts Department of Highways
Bruce Collingwood, City of Pittsfield Public Works
Jeff Gardner, Berkshire Community College
Kevin Boland, CSX Transportation
Cheryl Grosso, United States Navy
Property Owner – Parcel K11-7-8
Property Owner – Parcel L11-4-112
Property Owner – Parcel L12-1-2
Property Owner – Parcel L12-1-4
Property Owner – Parcel L12-1-5
Property Owner – Parcel L12-1-101
Public Information Repositories
GE Internal Repository

** cover letter only*

Tables

TABLE 1
SUMMARY OF SUPPLEMENTAL PCB SAMPLING RESULTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-AAABBB27	0-1	6/8/2007	ND(42)	100	ND(42)	100
RAA10-E-BBBCCC25	0-1	6/8/2007	ND(0.077)	0.81	0.52	1.33
RAA10-E-H29.5	0-1	3/9/2007	ND(0.052)	0.023 J	0.033 J	0.056 J
RAA10-E-KK5.5	0-1	3/9/2007	ND(0.34)	2.7	1.2	3.9
RAA10-E-LL6.5	0-1	3/9/2007	ND(0.032)	0.015 J	0.038	0.053
RAA10-E-LM15.5	0-1	3/19/2007	ND(0.036)	0.052	0.076	0.128
	1-3	3/19/2007	ND(0.034)	ND(0.034)	0.040	0.040
	3-6	3/19/2007	ND(0.35)	ND(0.35)	2.0	2.0
RAA10-E-MM7.5	0-1	3/9/2007	ND(0.31)	1.0	1.8	2.8
RAA10-E-MM14	1-3	6/8/2007	ND(400)	2100	ND(400)	2100
	3-6	6/8/2007	ND(0.47)	3.6	2.5	6.1
RAA10-E-NO26.5	0-1	3/9/2007	ND(0.066) J	0.17 J	0.072 J	0.242 J
RAA10-E-XX18.5	0-1	6/8/2007	ND(0.35)	0.59	0.91	1.5
RAA10-N-AA5	0-1	3/8/2007	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
RAA10-N-AA6	0-1	3/8/2007	ND(0.032)	0.063	0.12	0.183
RAA10-N-AA7	0-1	3/8/2007	ND(0.030) [ND(0.032)]	ND(0.030) [ND(0.032)]	ND(0.030) [0.025 J]	ND(0.030) [0.025 J]
RAA10-N-AA10	0-1	3/6/2007	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-AA19	6-15	3/8/2007	ND(62)	250	710	960
RAA10-N-CC18	6-15	3/12/2007	ND(4100)	28000	ND(4100)	28000
RAA10-N-O7	0-1	3/6/2007	ND(0.058) J	ND(0.058) J	0.028 J	0.028 J
RAA10-N-Q7	0-1	3/6/2007	ND(0.067) J	ND(0.067) J	ND(0.067) J	ND(0.067) J
RAA10-N-S7	0-1	3/7/2007	ND(0.071)	ND(0.071)	0.12	0.12
RAA10-N-U4	0-1	3/6/2007	ND(0.047)	0.053	0.12	0.173
RAA10-N-U5	0-1	3/6/2007	ND(0.052) [ND(0.050)]	0.048 J [ND(0.050)]	0.051 J [ND(0.050)]	0.099 J [ND(0.050)]
RAA10-N-U6	0-1	3/6/2007	ND(0.048) J	0.17 J	0.14 J	0.31 J
RAA10-N-W3	0-1	3/6/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-N-W7	0-1	3/6/2007	ND(0.079)	0.074 J	0.076 J	0.15 J
RAA10-N-Y3	0-1	3/6/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-N-Y7	0-1	3/6/2007	ND(0.046)	0.077	0.092	0.169
RAA10-W-F6.5	0-1	3/6/2007	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-W-F20	0-1	3/6/2007	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-OP15	0-1	3/7/2007	ND(0.037)	ND(0.037)	0.073	0.073
RAA10-W-P14.5	0-1	3/7/2007	ND(0.048)	ND(0.048)	0.039 J	0.039 J
RAA10-W-P15.5	0-1	3/7/2007	ND(0.039)	ND(0.039)	0.037 J	0.037 J
RAA10-W-PQ14	0-1	3/7/2007	ND(0.040)	ND(0.040)	0.056	0.056
RAA10-W-PQ14.5	0-1	3/7/2007	ND(0.044)	ND(0.044)	0.045	0.045
RAA10-W-PQ15	0-1	3/7/2007	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-PQ15.5	0-1	3/7/2007	ND(0.040)	ND(0.040)	0.048	0.048
RAA10-W-PQ16	0-1	3/7/2007	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-Q14	1-3	3/12/2007	ND(3.5) [ND(3.6)]	5.0 [6.5]	ND(3.5) [ND(3.6)]	5.0 [6.5]
	3-6	3/12/2007	ND(0.34)	2.4	ND(0.34)	2.4
	6-15	3/12/2007	ND(0.35)	2.4	ND(0.35)	2.4
RAA10-W-Q14.5	0-1	3/7/2007	ND(0.044)	0.034 J	0.11	0.144
RAA10-W-Q15	1-3	3/12/2007	ND(0.035)	0.37	ND(0.035)	0.37
	3-6	3/12/2007	ND(0.35)	2.1	ND(0.35)	2.1
	6-15	3/12/2007	ND(0.34)	1.5	ND(0.34)	1.5
RAA10-W-Q15.5	0-1	3/7/2007	ND(0.049)	0.076	0.22	0.296
RAA10-W-Q16	1-3	3/12/2007	ND(0.037)	0.20	ND(0.037)	0.20
	3-6	3/12/2007	ND(0.33)	0.82	ND(0.33)	0.82
	6-15	3/12/2007	ND(0.34)	1.2	ND(0.34)	1.2
RAA10-W-QR14.5	0-1	3/7/2007	ND(0.044)	0.087	0.27	0.357
RAA10-W-QR15	0-1	3/7/2007	ND(0.042)	ND(0.042)	0.047	0.047
RAA10-W-QR15.5	0-1	3/7/2007	ND(0.041)	ND(0.041)	0.017 J	0.017 J

Notes:
1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (submitted March 30, 2007 and approved by EPA on June 13, 2007)
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.

TABLE 2
SUMMARY OF SUPPLEMENTAL APPENDIX IX+3 SAMPLING RESULTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-E-LL12.5 0-1 06/08/07	RAA10-E-LL17 0-1 06/08/07	RAA10-E-MM18 0-1 06/08/07	RAA10-E-NNOO14 0-1 06/08/07
Furans					
2,3,7,8-TCDF		0.00035 Y	0.000061 Y	0.000084 Y [0.00011 Y]	0.000056 Y
TCDFs (total)		0.0027 Q	0.00099 Q	0.0027 QI [0.0025 Q]	0.00052 Q
1,2,3,7,8-PeCDF		0.00033	0.000029	0.000041 [0.000060 Q]	0.000042 QI
2,3,4,7,8-PeCDF		0.00048	0.00021	0.00054 [0.00037 Q]	0.000052 QI
PeCDFs (total)		0.0044 QI	0.0025 QI	0.0081 Q [0.0041 Q]	0.00059 QI
1,2,3,4,7,8-HxCDF		0.00092	0.00010	0.00011 [0.00023]	0.00010 I
1,2,3,6,7,8-HxCDF		0.00058	0.000068	0.00021 [0.00016]	0.000076 I
1,2,3,7,8,9-HxCDF		0.00010	0.000019 Q	0.000042 [0.000055]	0.000012
2,3,4,6,7,8-HxCDF		0.00025	0.00014	0.00065 [0.00038]	0.000031
HxCDFs (total)		0.0041	0.0021 Q	0.0093 [0.0055]	0.00049 I
1,2,3,4,6,7,8-HpCDF		0.0010	0.00055	0.00072 [0.00086]	0.00012
1,2,3,4,7,8,9-HpCDF		0.00027	0.000037	0.000066 [0.000088]	0.000027
HpCDFs (total)		0.0018	0.0011	0.0019 [0.0021]	0.00021
OCDF		0.0013	0.00038	0.00028 [0.00076]	0.00011
Dioxins					
2,3,7,8-TCDD		0.000015	0.0000037	0.0000028 Q [0.0000044 Q]	0.00000092 JQ
TCDDs (total)		0.000080	0.000046	0.000073 Q [0.00013 Q]	0.000045 Q
1,2,3,7,8-PeCDD		0.000072	0.000012	0.0000038 J [ND(0.000030) X]	0.0000021 J
PeCDDs (total)		0.00027 Q	0.00015 Q	0.00025 Q [0.00029 Q]	0.000036 Q
1,2,3,4,7,8-HxCDD		0.000020	0.0000086 J	0.000018 [0.000026]	ND(0.0000020) X
1,2,3,6,7,8-HxCDD		0.000048	0.000043	0.000069 [0.00016]	0.0000048 J
1,2,3,7,8,9-HxCDD		0.000037	0.000022	0.000041 [0.000066]	0.0000033 J
HxCDDs (total)		0.00035	0.00039	0.00060 [0.0010]	0.000053 Q
1,2,3,4,6,7,8-HpCDD		0.00013	0.00033	0.00041 [0.0018]	0.000051
HpCDDs (total)		0.00027	0.00062	0.00079 [0.0034]	0.00012
OCDD		0.00038	0.0022	0.0021 [0.013 E]	0.00029
Total TEQs (WHO TEFs)		0.00059	0.00018	0.00041 [0.00036]	0.000062

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of dioxin/furans.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. 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.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (dioxin/furans)

E - Analyte exceeded calibration range.
I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Indicates an estimated value less than the practical quantitation limit (PQL).
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

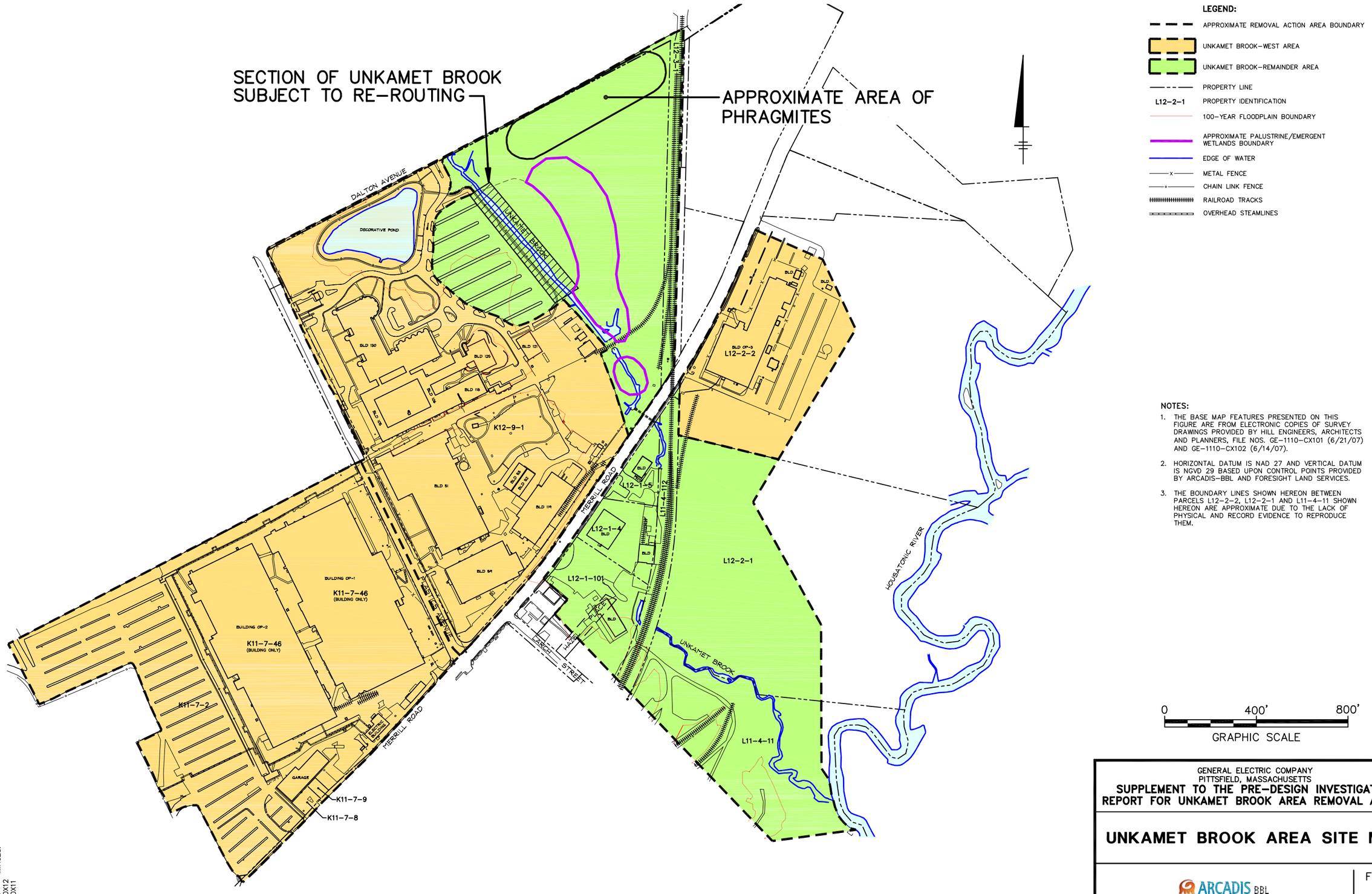
TABLE 3
PROPOSED ADDITIONAL SUPPLEMENTAL PCB SAMPLING

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sample ID	Depth (feet)	Analysis
E-KKLL6.5	0-1	PCBs
E-MMNN8.5	0-1	PCBs
E-BBB27	0-1	PCBs

Note:
1. Proposed sample locations are shown on Figure 4.

Figures



LEGEND:

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- UNKAMET BROOK–WEST AREA
- UNKAMET BROOK–REMAINDER AREA
- PROPERTY LINE
- L12–2–1 PROPERTY IDENTIFICATION
- 100–YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- OVERHEAD STEAMLINES

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE–1110–CX101 (6/21/07) AND GE–1110–CX102 (6/14/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS–BBL AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12–2–2, L12–2–1 AND L11–4–11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.

0 400’ 800’

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE–DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

UNKAMET BROOK AREA SITE MAP

ARCADIS BBL
infrastructure, environment, facilities

FIGURE
1

[SYR-85-DMW] SYR-85-SDL DMW GHS L: ON=* OFF=*REF |RIVER-REMOVE*
G:\CAD\GE-CAD\GE_ACTIVE\W\40190027\SUPP\40190G02.DWG SAVED: 7/26/2007 5:43 PM LAYOUT:Layout1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED: 7/26/2007 6:02 PM BY:CSTEINBERGER
PROJECTNAME:----
XREFS: IMAGES:
40190X12
40190X11

[SYR-85-DMW LEAD] SYR-85-DMW GHS PGL LAYER ON=*, OFF=REF, (FRZ)
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G03.DWG SAVED: 7/26/2007 8:52 AM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:19 AM BY: BPITTSLEY
PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- OVERHEAD WIRES
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE

- BUILDING
- PAVED AREA
- UNPAVED AREA

- EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (COLOCATED WITH EXISTING SOIL BORING LOCATION) (0- TO 1- FOOT SAMPLE DEPTH)
- SUPPLEMENTAL SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE-1110-CX101 (6/21/07) AND GE-1110-CX102 (6/14/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS, INC.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER WEST AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
2

[SYR-85-DMW LEAD] SYR-85-DMW GHS L: ON=*, OFF=*REF*, FRZ*
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G16.DWG SAVED: 7/25/2007 3:27 PM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:17 AM BY: BPITTSLEY

PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE SERVICE
- OVERHEAD WIRES
- EXISTING CONTOUR
- STONEWALL
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING
- PAVED AREA
- UNPAVED AREA
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/REMOVAL ACTION EVALUATIONS
- UB-SS-11 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- UB-SB-15 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- UB-IRA-4-C1 EXISTING SEDIMENT SAMPLE LOCATION
- N-L-17 PDI WETLAND SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- △ SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (COLOCATED WITH EXISTING SOIL BORING LOCATION) (0- TO 1- FOOT SAMPLE DEPTH)
- N-AA19 SUPPLEMENTAL SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE-1110-CX101 (6/21/07) AND GE-1110-CX102 (6/14/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
3. UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
4. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100-YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
5. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER NORTH AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
3

[SYR-85-DMW LEAD] SYR-85-DMW GHS L: ON=*, OFF=*REF*, FRZ*
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G15.DWG SAVED: 7/26/2007 4:24 PM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:15 AM BY: BPITTSLEY

PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE

- BUILDING
- WATER
- PAVED AREA
- UNPAVED AREA
- EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- EXISTING SOIL BORING LOCATION (1- FOOT OR GREATER SAMPLE DEPTH)
- EXISTING SEDIMENT SAMPLE LOCATION
- SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- SUPPLEMENTAL SOIL BORING LOCATION (1- FOOT OR GREATER SAMPLE DEPTH)
- PROPOSED SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NO. GE-1110-CX101 (6/21/07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER EAST AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
4

[SYR-85-DMW LEAD] SYR-85-DMW LAYER ON=*, OFF=REF*, FRZN*
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G19.DWG SAVED: 7/25/2007 3:35 PM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:14 AM BY: BPITTSLEY

PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- OVERHEAD WIRES
- 1000 EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE

- BUILDING
- PAVED AREA
- UNPAVED AREA
- ▲ UB-SS-2 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- ● W-G7 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)

NOTES:

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2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS, INC.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER WEST AREA - APPENDIX IX+3 SOIL SAMPLING LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
5

[SYR-85-DMW LEAD] SYR-85-DMW PGL L: ON=*, OFF=REF, (FRZ)
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G18.DWG SAVED: 7/26/2007 3:56 PM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:12 AM BY: BPITTSLEY

PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- K12-9-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE SERVICE
- OVERHEAD WIRES
- EXISTING CONTOUR
- STONEWALL
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING
- PAVED AREA
- UNPAVED AREA
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/REMOVAL ACTION EVALUATIONS
- UB-SS-11 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- UB-SB-15 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- USW-2 EXISTING SEDIMENT SAMPLE LOCATION

DALTON AVENUE
APPROX. GE SEWER EASEMENT
UNKAMET BROOK
APPROXIMATE AREA OF PHRAGMITES
PASTORE AVENUE
MERRILL ROAD
POND (WATER ELEV. 987.6'± MAY 2007)
BLD 130
BLD 121
BLD 125
BLD 118
BLD 106
BLD 105
BLD 51
BLD 53
BLD 52
BLD 119
BLD 59
K12-9-1
L12-3-1

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPIES OF SURVEY DRAWINGS PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, FILE NOS. GE-1110-CX101 (6/21/07) AND GE-1110-CX102 (6/14/07).
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4. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100-YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
5. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER NORTH AREA - APPENDIX IX+3 SOIL SAMPLING LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
6

[SYR-85-DMW LEAD] SYR-85-DMW GHS L: ON=*, OFF=*REF*, FRZ*
G:\CAD\GE-CAD\GE_ACTIVE\N\40190027\SUPP\40190G17.DWG SAVED: 7/25/2007 3:30 PM LAYOUT: Layout1 PAGESETUP: ---- PENTABLE: PLTFULL.CTB PRINTED: 7/30/2007 8:10 AM BY: BPITTSLEY

PROJECTNAME: ----
XREFS: IMAGES:
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN - ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE

- BUILDING
- WATER
- PAVED AREA
- UNPAVED AREA
- UOP3S-7 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- UFP1-R1 EXISTING SOIL BORING LOCATION (1- FOOT OR GREATER SAMPLE DEPTH)
- USW-4 EXISTING SEDIMENT SAMPLE LOCATION
- E-LL12.5 SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)

NOTES:

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3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION
REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER EAST AREA
APPENDIX IX+3
SOIL SAMPLING LOCATIONS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
7

Attachments

ARCADIS BBL

Attachment A

Supplemental Soil Sampling
Boring Logs

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 536355.7 **Easting:** 136764.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1040.6 **Descriptions By:** AMB	**Boring ID:** RAA10-W-F6.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 1040	1	0-1	1.0	0.0		Brown fine to medium SAND and SILT, trace Organic Material (Roots).	Borehole backfilled with Bentonite.
5 1035							
10 1030							
15 1025							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 536366.0
Easting: 137961.0
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1005.7

Descriptions By: AMB

Boring ID: RAA10-W-F20

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1005	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace fine gravel and organic material (roots).	Borehole backfilled with Bentonite.
5 / 1000							
10 / 995							
15 / 990							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535482.1 **Easting:** 137553.7 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1020.9 **Descriptions By:** AMB	**Boring ID:** RAA10-W-OP15 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 1020	1	0-1	1.0	0.0		Dark brown SILT, little fine Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 1015							
10 1010							
15 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535457.2
Easting: 137528.8
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1020.7

Descriptions By: AMB

Boring ID: RAA10-W-P14.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	1.0	0.0		Dark brown SILT, little fine Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 / 1015							
10 / 1010							
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535457.2
Easting: 137578.9
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1019.5

Descriptions By: AMB

Boring ID: RAA10-W-P15.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020 / 0	1	0-1	1.0	0.0		Dark brown SILT, little fine Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
1015 / 5							
1010 / 10							
1005 / 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535432.1
Easting: 137509.5
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1020.9

Descriptions By: AMB

Boring ID: RAA10-W-PQ14

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 / 1015							
10 / 1010							
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535432.0 **Easting:** 137528.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1020.3 **Descriptions By:** AMB	**Boring ID:** RAA10-W-PQ14.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 1020	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots) and fine to medium gravel.	Borehole backfilled with Bentonite.
5 1015							
10 1010							
15 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535432.2 **Easting:** 137553.7 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1020.0 **Descriptions By:** AMB	**Boring ID:** RAA10-W-PQ15 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020							
	1	0-1	1.0	0.0		Light brown fine to medium SAND, little Silt, trace fine to medium gravel.	Borehole backfilled with Bentonite.
1015							
1010							
1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535432.0
Easting: 137578.8
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1019.9

Descriptions By: AMB

Boring ID: RAA10-W-PQ15.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	1.0	0.0		Dark brown SILT, little fine Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 / 1015							
10 / 1010							
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535432.0 **Easting:** 137603.7 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1019.1 **Descriptions By:** AMB	**Boring ID:** RAA10-W-PQ16 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020 / 0	1	0-1	1.0	0.0		Gray-brown SILT, little fine to medium Sand, trace gravel.	Borehole backfilled with Bentonite.
1015 / 5							
1010 / 10							
1005 / 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-W-PQ16.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/21/07

Date Start/Finish: 03/12/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535407.2
Easting: 137503.7
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1020.9

Descriptions By: AMB

Boring ID: RAA10-W-Q14

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	2.8	0.0		Brown-black SILT, trace fine to medium Sand and fine to medium Gravel.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Brown fine to medium SAND, some fine to medium Gravel.	
	3	3-4		0.0			
5 / 1015	4	4-6	3.0	0.0		Brown fine SAND, little fine to medium Gravel, moist.	
	5	6-8		0.0			
	6	8-10	2.2	0.0		SAA	
10 / 1010	7	10-12		0.0			
	8	12-14	2.0	0.0		Olive-brown fine SAND and SILT, some coarse Gravel.	
15 / 1005	9	14-15		0.0			

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analyses: 1-3': PCBs; 3-6': PCBs; 6-15': PCBs.
Duplicate Sample ID: RAA10-DUP-003 (PCBs, 1-3').

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535407.0
Easting: 137528.7
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1020.1

Descriptions By: AMB

Boring ID: RAA10-W-Q14.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	1.0	0.0		Dark brown SILT, little fine Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 / 1015							
10 / 1010							
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/12/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535407.0
Easting: 137553.8
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1019.7

Descriptions By: AMB

Boring ID: RAA10-W-Q15

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020 / 0							
	1	0-1	3.2	0.0		Brown-black SILT, trace fine to medium Sand and fine to medium Gravel.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Brown fine to medium SAND, some fine to medium Gravel.	
	3	3-4		0.0			
1015 / 5	4	4-6	2.6	0.0		Brown SILT and fine SAND, trace Gravel.	
	5	6-8		0.0		Brown fine SAND, trace fine Gravel.	
	6	8-10	2.2	0.0		SAA	
1010 / 10	7	10-12		0.0			
	8	12-14	1.5	0.0		SAA	
1005 / 15	9	14-15		0.0			

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analyses: 1-3': PCBs; 3-6': PCBs; 6-15': PCBs.
MS/MSD collected (PCBs, 1-3').

Project: 401.90.025
Data File: RAA10-W-Q15.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/22/07

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535407.2 **Easting:** 137578.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1019.7 **Descriptions By:** AMB	**Boring ID:** RAA10-W-Q15.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020 0							
	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots) and fine to medium gravel.	Borehole backfilled with Bentonite.
1015 5							
1010 10							
1005 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/12/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 535412.9
Easting: 137596.2
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 1020.2

Descriptions By: AMB

Boring ID: RAA10-W-Q16

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	3.1	0.0		Brown SILT and fine to medium SAND.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Brown fine to medium SAND, trace fine to medium Gravel.	
	3	3-4		0.0			
5 / 1015	4	4-6	3.0	0.0		Brown fine to medium SAND, trace Silt and fine to medium Gravel, moist.	
	5	6-8		0.0			
	6	8-10	2.3	0.0		SAA	
10 / 1010	7	10-12		0.0			
	8	12-14	2.8	0.0		SAA	
	9	14-15		0.0			
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analyses: 1-3': PCBs; 3-6': PCBs; 6-15': PCBs.

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535382.0 **Easting:** 137528.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1020.3 **Descriptions By:** AMB	**Boring ID:** RAA10-W-QR14.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 1020	1	0-1	1.0	0.0		Gray-brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 1015							
10 1010							
15 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-W-QR14.5.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/21/07

Date Start/Finish: 03/7/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 535382.1
Easting: 137553.8
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 1020.4

Descriptions By: AMB

Boring ID: RAA10-W-QR15

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1020	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand.	Borehole backfilled with Bentonite.
5 / 1015							
10 / 1010							
15 / 1005							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-W-QR15.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/21/07

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 535382.1 **Easting:** 137578.6 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1018.5 **Descriptions By:** AMB	**Boring ID:** RAA10-W-QR15.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1020 / 0	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
1015 / 5							
1010 / 10							
1005 / 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/8/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Tractor-Mounted Power Probe **Sample Method:** 4' Macrocore	**Northing:** 537462.1 **Easting:** 137918.3 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 998.6 **Descriptions By:** AMB	**Boring ID:** RAA10-N-AA5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0	1	0-1	1.0	0.0		ASPHALT. Gray-brown fine SAND, little fine to medium Gravel.	Borehole backfilled with Bentonite.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/8/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537457.2
Easting: 137954.0
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 998.6

Descriptions By: AMB

Boring ID: RAA10-N-AA6

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0	1	0-1	1.0	0.0		ASPHALT.	Borehole backfilled with Bentonite.
						Gray-brown fine SAND, little fine to coarse Gravel, trace silt.	
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/8/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537490.4
Easting: 138025.9
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 998.1

Descriptions By: AMB

Boring ID: RAA10-N-AA7

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0							
	1	0-1	1.0	0.0		ASPHALT. Gray-brown fine to medium SAND, little fine to medium Gravel.	Borehole backfilled with Bentonite.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.
Duplicate Sample ID: RAA10-DUP-002 (PCBs, 0-1').

Date Start/Finish: 03/6/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 537457.4
Easting: 138253.8
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 998.2

Descriptions By: AMB

Boring ID: RAA10-N-AA10

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0	1	0-1	1.0	0.0		Brown fine to medium SAND, little Silt, trace fine gravel.	Borehole backfilled with Bentonite.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-N-AA10.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 07/18/07

Date Start/Finish: 03/8/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Tractor-Mounted Power Probe **Sample Method:** 4' Macrocore	**Northing:** 537452.3 **Easting:** 138710.9 **Casing Elevation:** NA **Borehole Depth:** 15' below grade **Surface Elevation:** 989.4 **Descriptions By:** AMB	**Boring ID:** RAA10-N-AA19 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990 / 0							
	1	0-1	3.8	0.0		Brown fine to medium SAND, little Silt, trace fine to medium gravel.	Borehole backfilled with Bentonite.
	2	1-3		0.0			
	3	3-4		0.0			
985 / 5	4	4-6	3.0	0.0		Black medium GRAVEL, some fine to coarse Sand, trace silt, odor.	
	5	6-8		0.0		SAA	
980 / 10	6	8-10	3.2	0.0			
	7	10-12		0.0		SAA	
	8	12-14	3.0	0.0		Gray fine to medium SAND, little Silt, trace medium gravel, odor.	
975 / 15	9	14-15		0.0			

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analysis: 6-15': PCBs.
MS/MSD collected (PCBs, 6-15').

Date Start/Finish: 03/12/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 537377.7
Easting: 138638.4
Casing Elevation: NA

Borehole Depth: 15' below grade
Surface Elevation: 990.3

Descriptions By: AMB

Boring ID: RAA10-N-CC18

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 990	1	0-1	2.2	0.0		ASPHALT/CRUSHED STONE.	Borehole backfilled with Bentonite.
						Gray-brown fine to medium SAND, little fine to medium Gravel, wet.	
	2	1-3		0.0		Brown fine to medium SAND.	
						Black fine to medium SAND, trace fine to medium Gravel.	
	3	3-4		0.0			
5 / 985	4	4-6	2.0	0.0		SAA	
	5	6-8		0.0			
	6	8-10	2.5	0.0		SAA	
10 / 980	7	10-12		0.0			
	8	12-14	1.5	0.0		SAA	
	9	14-15		0.0			
15 / 975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analysis: 6-15': PCBs.

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 538057.1 **Easting:** 138054.2 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 989.2 **Descriptions By:** AMB	**Boring ID:** RAA10-N-O7 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990							
0	1	0-1	1.0	0.0		Gray-brown SILT, little fine to medium Sand, trace organics materials (roots).	Borehole backfilled with Bentonite.
985							
5							
980							
10							
975							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537956.9 **Easting:** 138053.3 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 990.6 **Descriptions By:** AMB	**Boring ID:** RAA10-N-Q7 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 990	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots), moist.	Borehole backfilled with Bentonite.
5 985							
10 980							
15 975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.
MS/MSD collected (PCBs, 0-1').

Date Start/Finish: 03/7/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537857.1 **Easting:** 138054.3 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 990.7 **Descriptions By:** AMB	**Boring ID:** RAA10-N-S7 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 990	1	0-1	1.0	0.0		Dark brown-black SILT, trace Organic Material (Roots).	Borehole backfilled with Bentonite.
5 985							
10 980							
15 975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 537756.8
Easting: 137753.9
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 993.6

Descriptions By: AMB

Boring ID: RAA10-N-U4

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995							
0	1	0-1	1.0	0.0		Gray-brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
						Tan fine to medium SAND.	
990							
5							
985							
10							
980							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 537754.7
Easting: 137853.5
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 992.7

Descriptions By: AMB

Boring ID: RAA10-N-U5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995							
0	1	0-1	1.0	0.0		Brown fine to medium SAND, trace Organic Material (Roots) and fine Gravel.	Borehole backfilled with Bentonite.
990							
5							
985							
10							
980							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCB.
Duplicate Sample ID: RAA10-DUP-001 (PCBs, 0-1').

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537760.4 **Easting:** 137950.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 988.2 **Descriptions By:** AMB	**Boring ID:** RAA10-N-U6 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990							
0	1	0-1	1.0	0.0		Brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
985							
5							
980							
10							
975							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537657.0 **Easting:** 137653.7 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 998.8 **Descriptions By:** AMB	**Boring ID:** RAA10-N-W3 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0	1	0-1	1.0	0.0		ASPHALT. Dark brown SILT with brown Organic Material (Roots). Tan fine to medium SAND.	Borehole backfilled with Bentonile.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/06/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 537657.0
Easting: 138054.0
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 990.3

Descriptions By: AMB

Boring ID: RAA10-N-W7

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 990	1	0-1	1.0	0.0		Gray-brown SILT, little fine to medium Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
5 / 985							
10 / 980							
15 / 975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-N-W7.dat

Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 07/18/07

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537564.1 **Easting:** 137654.4 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 1000.2 **Descriptions By:** AMB	**Boring ID:** RAA10-N-Y3 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 1000	1	0-1	1.0	0.0		Medium brown SILT, little fine to medium Sand, trace roots. Tan fine to medium SAND, trace fine Gravel.	Borehole backfilled with Bentonite.
5 / 995							
10 / 990							
15 / 985							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/6/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537556.1 **Easting:** 138052.8 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 996.3 **Descriptions By:** AMB	**Boring ID:** RAA10-N-Y7 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	1.0	0.0		Dark brown SILT, little fine to medium Sand, trace fine to medium gravel and organic material.	Borehole backfilled with Bentonite.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 6/8/07
Drilling Company: ABBL
Driller's Name: EMC
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Slide Hammer Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535297.7
Easting: 139802.4
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 982.9

Descriptions By: EMC

Boring ID: RAA10-E-AAABBB27

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985							
0	1	0-1	1.0	0.0		Dark brown fine SILT with some Gravel.	Borehole backfilled with Bentonite.
980							
5							
975							
10							
970							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025 Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Data File: RAA10-E-AAABBB27.dat Date: 6/15/07

Date Start/Finish: 6/8/07
Drilling Company: ABBL
Driller's Name: EMC
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Slide Hammer Driven Macrocore
Sample Method: 2' Macrocore

Northing: 535260.5
Easting: 139710.3
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 990.6

Descriptions By: EMC

Boring ID: RAA10-E-BBBCCC25

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 / 990	1	0-1	1.0	0.0		Dark brown PEAT and GRAVEL.	Borehole backfilled with Bentonite.
5 / 985							
10 / 980							
15 / 975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/9/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 537558.1 **Easting:** 139914.0 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 991.7 **Descriptions By:** AMB	**Boring ID:** RAA10-E-H29.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	1.0	0.0		Gray-brown fine to medium SAND and SILT, trace Organic Material (Roots).	Borehole backfilled with Bentonite.

990
5
985
10
980
15

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/9/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 536108.2
Easting: 138761.1
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 999.7

Descriptions By: AMB

Boring ID: RAA10-E-KK5.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000 / 0	1	0-1	1.0	0.0		Gray-brown fine to coarse SAND, little fine to medium Gravel.	Borehole backfilled with Bentonite.
995 / 5							
990 / 10							
985 / 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 03/9/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 536057.9
Easting: 138809.8
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 999.2

Descriptions By: AMB

Boring ID: RAA10-E-LL6.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000 / 0	1	0-1	1.0	0.0		Gray-brown fine to coarse SAND, little fine to medium Gravel.	Borehole backfilled with Bentonite.
995 / 5							
990 / 10							
985 / 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Date Start/Finish: 6/8/07 **Drilling Company:** ABBL **Driller's Name:** EMC **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Slide Hammer Driven Macrocore **Sample Method:** 2' Macrocore	**Northing:** 536056.2 **Easting:** 139086.7 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 992.2 **Descriptions By:** EMC	**Boring ID:** RAA10-E-LL12.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995							
0	1	0-1	1.0	0.0		Light brown GRAVEL.	Borehole backfilled with Bentonite.
990							
5							
985							
10							
980							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCDD/PCDFs.

Date Start/Finish: 6/8/07 **Drilling Company:** ABBL **Driller's Name:** EMC **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Slide Hammer Driven Macrocore **Sample Method:** 2' Macrocore	**Northing:** 536057.0 **Easting:** 139303.9 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 984.6 **Descriptions By:** EMC	**Boring ID:** RAA10-E-LL17 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985							
0	1	0-1	1.0	0.0		Dark brown SAND and SILT.	Borehole backfilled with Bentonite.
980 5							
975 10							
970 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCDD/PCDFs.

Project: 401.90.025
Data File: RAA10-E-LL17.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 6/15/07

Date Start/Finish: 03/19/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Tractor-Mounted Power Probe **Sample Method:** 4' Macrocore	**Northing:** 537329.9 **Easting:** 139227.0 **Casing Elevation:** NA **Borehole Depth:** 6' below grade **Surface Elevation:** 992.0 **Descriptions By:** AMB	**Boring ID:** RAA10-E-LM15.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
995							
0							
	1	0-1		0.0		Black fine to medium SAND and SILT.	
	2	1-3	2.5	0.0		Gray-brown fine to medium SAND, some fine to medium Gravel, trace silt.	
990	3	3-4		0.0		SAA	
5	4	4-6	2.0	0.0			Borehole backfilled with Bentonite.
985							
10							
980							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available; SAA = Same As Above.
Analyses: 0-1': PCBs; 1-3': PCBs; 3-6': PCBs.

Date Start/Finish: 03/9/07 **Drilling Company:** ABBL **Driller's Name:** TOR **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Hand-Driven Macrocore **Sample Method:** 1' Macrocore	**Northing:** 536008.2 **Easting:** 138857.4 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 998.1 **Descriptions By:** AMB	**Boring ID:** RAA10-E-MM7.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
1000							
0	1	0-1	1.0	0.0		Gray-brown fine SAND, little fine to medium Gravel.	Borehole backfilled with Bentonite.
995							
5							
990							
10							
985							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-E-MM7.5.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/22/07

Date Start/Finish: 6/8/07
Drilling Company: ABBL
Driller's Name: PF
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Tractor-Mounted Power Probe
Sample Method: 4' Macrocore

Northing: 536007.0
Easting: 139154.1
Casing Elevation: NA

Borehole Depth: 6' below grade
Surface Elevation: 990.0

Descriptions By: EMC

Boring ID: RAA10-E-MM14

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 990	1	0-1	3.0	0.0		Dark brown SILT.	Borehole backfilled with Bentonite.
	2	1-3		0.0		Dark brown SILT, slightly wet.	
	3	3-4		0.0			
5 985	4	4-6	1.5	0.0			
10980							
15975							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analyses: 1-3': PCBs; 3-6': PCBs.

Date Start/Finish: 6/8/07
Drilling Company: ABBL
Driller's Name: PF
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Slide Hammer Driven Macrocore
Sample Method: 2' Macrocore

Northing: 536007.0
Easting: 139353.7
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 984.0

Descriptions By: EMC

Boring ID: RAA10-E-MM18

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
985							
0	1	0-1	1.0	0.0		Dark brown SILT and PEAT.	Borehole backfilled with Bentonite.
980							
5							
975							
10							
970							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCDD/PCDFs.
Duplicate Sample ID: RAA10-E-DUP-003 (PCDD/PCDFs, 0-1).

Date Start/Finish: 03/9/07
Drilling Company: ABBL
Driller's Name: TOR
Drilling Method: Direct Push
Auger Size: NA
Rig Type: Hand-Driven Macrocore
Sample Method: 1' Macrocore

Northing: 537224.7
Easting: 139793.6
Casing Elevation: NA

Borehole Depth: 1' below grade
Surface Elevation: 986.4

Descriptions By: AMB

Boring ID: RAA10-E-NO26.5

Client: General Electric Company

Location: Unkamet Brook
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0	1	0-1	1.0	0.0		Gray-brown SILT, little fine to coarse Sand, trace organic material (roots).	Borehole backfilled with Bentonite.
985							
5							
980							
10							
975							
15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

Project: 401.90.025
Data File: RAA10-E-NO26.5.dat
Template: V :\ GE_Pittsfield_CD_Unkamet_Brook\Notes and Data\Logs\Unkamet2007.ldf
Date: 06/22/07

Date Start/Finish: 6/8/07 **Drilling Company:** ABBL **Driller's Name:** PF **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Slide Hammer Driven Macrocore **Sample Method:** 2' Macrocore	**Northing:** 535931.8 **Easting:** 139153.6 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 989.4 **Descriptions By:** EMC	**Boring ID:** RAA10-E-NNOO14 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
990							
0	1	0-1	1.0	0.0		Very dark brown fine SAND and SILT with some fine Gravel.	Borehole backfilled with Bentonite.
985 5							
980 10							
975 15							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCDD/PCDFs.
MS/MSD collected (PCDD/PCDFs, 0-1').

Date Start/Finish: 6/8/07 **Drilling Company:** ABBL **Driller's Name:** EMC **Drilling Method:** Direct Push **Auger Size:** NA **Rig Type:** Slide Hammer Driven Macrocore **Sample Method:** 2' Macrocore	**Northing:** 535456.9 **Easting:** 139393.9 **Casing Elevation:** NA **Borehole Depth:** 1' below grade **Surface Elevation:** 995.4 **Descriptions By:** EMC	**Boring ID:** RAA10-E-XX18.5 **Client:** General Electric Company **Location:** Unkamet Brook Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Boring Construction
0 995	1	0-1	1.0	0.0		Light brown SAND and SILT.	Borehole backfilled with Bentonite.
5 990							
10 985							
15 980							

ARCADIS BBL
Infrastructure, environment, facilities

Remarks: NA = Not Applicable/Available.
Analysis: 0-1': PCBs.

ARCADIS BBL

Attachment B

Supplemental Soil Sampling
Data Validation Report

Attachment B
Supplemental Soil Sampling Data Validation Report
Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action

General Electric Company
Pittsfield, Massachusetts

1.0 General

This attachment summarizes the data validation review performed on behalf of the General Electric Company (GE) for soil samples collected between March and June 2007 as part of supplemental sampling activities conducted at the Unkamet Brook Area, located in Pittsfield, Massachusetts. The sampling was conducted by ARCADIS BBL, and the samples were analyzed for polychlorinated biphenyls (PCBs) and dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF), listed in Appendix IX of 40 CFR Part 264, by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data review was performed for 60 PCB samples and six PCDD/PCDF samples.

2.0 Data Evaluation Procedures

This attachment outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- *Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts,* ARCADIS BBL (submitted by GE on March 30, 2007 and approved by EPA on June 13, 2007)*;*

- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, EPA Region I (July 1, 1993);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, EPA Region I (Draft, December 1996); and

- *National Functional Guidelines for Dioxin/Furan Data Validation,* EPA (Draft, January 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table B-1. Each sample subject to evaluation is listed in Table B-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).

U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). All supplemental soil sampling analytical data collected between March and June 2007 were subject to Tier I review. The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

Summary of Samples Subject to Tier I and Tier II Data Validation

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	31	2	3	22	1	1	60
PCDDs/PCDFs	0	0	0	4	1	1	6
Total	**31**	**2**	**3**	**26**	**2**	**2**	**66**

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

Matrix spike/Matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organic analysis require that the MS/MSD recoveries be within the laboratory-generated QC acceptance limits specified on the MS/MSD reporting form. Organic sample results associated with MS/MSD recoveries less than the specified control limit, but greater than 10% were qualified as estimated (J). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,4,6,7,8-HpCDD	1	J
	2,3,4,7,8-PeCDF	1	J
	2,3,7,8-TCDF	1	J
	OCDD	1	J
	1,2,3,4,6,7,8-HpCDF	1	J
	1,2,3,4,7,8-HxCDF	1	J

MS/MSD sample analysis recovery criteria for organics require that the RPD between the MS and MSD recoveries be less than the laboratory-generated QC acceptance limits specified on the MS/MSD reporting form. The compounds that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J
PCDDs/PCDFs	1,2,3,4,6,7,8-HpCDD	1	J
	OCDD	1	J

Extraction holding time criterion for PCBs requires that soil samples be extracted within fourteen days. The compounds that exceeded the extraction holding time and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to Extraction Holding Time Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	3	J

Surrogate compounds are analyzed with every organic sample to aid in evaluation of the sample extraction efficiency. As specified in the FSP/QAPP, at least one of the PCB surrogate compounds must have a recovery between laboratory-specified control limits. Sample results associated with surrogates that exhibited recoveries less than control limits and greater than 10% were qualified as estimated (J). A summary of the compounds affected by surrogate recovery exceedences and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Surrogate Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	2	J

Field duplicate samples were analyzed to evaluate the overall precision of laboratory and field procedures. The RPD between field duplicate samples is required to be less than 50% for soil sample values greater than five times the PQL. Sample results that exceeded these limits were qualified as estimated (J). The compounds that did not meet field duplicate RPD requirements and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Field Duplicate Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,4,6,7,8-HpCDD	2	J
	1,2,3,4,7,8-HxCDF	2	J
	1,2,3,6,7,8-HxCDD	2	J
	2,3,4,6,7,8-HxCDF	2	J
	HpCDDs (total)	2	J
	HxCDDs (total)	2	J
	HxCDFs (total)	2	J
	OCDD	2	J
	OCDF	2	J
	PeCDFs (total)	2	J
	TCDDs (total)	2	J

The criterion for organic analyses requires that the sample results must be reanalyzed at a dilution when results exceed calibration range. Sample results reported above calibration range qualified as exceeding calibration range (EJ) when this criterion was not met. The compound that did not meet the criterion and the number of samples qualified are presented in the following table.

Compound exceeding calibration range (Exceeds CAL Range)

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	OCDD	1	EJ

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
PCBs	100	None
PCDDs/PCDFs	100	None

The data package completeness, as determined from the Tier I data review, was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between field duplicate sample results and RPD between MS/MSD results. For this analytical data set, 3.5% of the data required qualification due to field duplicate deviations and 1.6% of the data required qualification due to MS/MSD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, laboratory control samples (LCSs), MS/MSD samples, and surrogate compound recoveries. For this analytical program, 0.95% of the data required qualification due to MS/MSD recovery deviations, 2.5% of the data required qualification due to surrogate compound recovery deviations. None of the data required qualification due to instrument calibration deviations, internal standard recovery deviations, or LCS recovery deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in the EPA-approved work plan, and by following the procedures for sample collection/analyses described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with EPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, 3.8% of the data required qualification due to extraction holding time deviations.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the soil samples collected between March and June 2007 were analyzed by EPA Method 8082 for PCBs and 8290 for PCDD/PCDFs.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. This analytical data set had an overall usability of 100%.

TABLE B-1
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
G135-335	DUP-001 (0 - 1)	3/6/2007	Soil	Tier II	No						Parent sample RAA10-N-U5
G135-335	RAA10-N-AA10 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-O7 (0 - 1)	3/6/2007	Soil	Tier II	Yes	Aroclor-1016	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	Used re-extracted analysis
						Aroclor-1221	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	
						Aroclor-1232	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	
						Aroclor-1242	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	
						Aroclor-1248	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	
						Aroclor-1254	Holdtimes (Extraction)	16 days	<14 days	ND(0.058) J	
						Aroclor-1260	Holdtimes (Extraction)	16 days	<14 days	0.028 J	
						Total PCBs	Holdtimes (Extraction)	16 days	<14 days	0.028 J	
G135-335	RAA10-N-Q7 (0 - 1)	3/6/2007	Soil	Tier II	Yes	Aroclor-1016	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	Used primary analysis
						Aroclor-1016	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1221	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1221	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1232	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1232	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1242	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1242	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1248	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1248	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1254	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1254	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Aroclor-1260	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Aroclor-1260	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
						Total PCBs	Surrogate Recovery	33.4%, 31.0%	40% to 140%	ND(0.067) J	
						Total PCBs	MS/MSD RPD	40.1%	<12%	ND(0.067) J	
G135-335	RAA10-N-U4 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-U5 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-U6 (0 - 1)	3/6/2007	Soil	Tier II	Yes	Aroclor-1016	Holdtimes (Extraction)	16 days	<14 days	ND(0.048) J	Use re-extracted analysis
						Aroclor-1221	Holdtimes (Extraction)	16 days	<14 days	ND(0.048) J	
						Aroclor-1232	Holdtimes (Extraction)	16 days	<14 days	ND(0.048) J	
						Aroclor-1242	Holdtimes (Extraction)	16 days	<14 days	ND(0.048) J	
						Aroclor-1248	Holdtimes (Extraction)	16 days	<14 days	ND(0.048) J	
						Aroclor-1254	Holdtimes (Extraction)	16 days	<14 days	0.17 J	
						Aroclor-1260	Holdtimes (Extraction)	16 days	<14 days	0.14 J	
						Total PCBs	Holdtimes (Extraction)	16 days	<14 days	0.31 J	
G135-335	RAA10-N-W3 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-W7 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-Y3 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-N-Y7 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-W-F20 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-335	RAA10-W-F6.5 (0 - 1)	3/6/2007	Soil	Tier II	No						
G135-339	RAA10-N-S7 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-OP15 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-P14.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-P15.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-PQ14 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-PQ14.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-PQ15 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-PQ15.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-PQ16 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-Q14.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-Q15.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-QR14.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-QR15 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-339	RAA10-W-QR15.5 (0 - 1)	3/7/2007	Soil	Tier I	No						
G135-342	DUP-002 (0 - 1)	3/8/2007	Soil	Tier I	No						Parent sample RAA10-N-AA7
G135-342	RAA10-N-AA19 (6 - 15)	3/8/2007	Soil	Tier I	No						
G135-342	RAA10-N-AA5 (0 - 1)	3/8/2007	Soil	Tier I	No						
G135-342	RAA10-N-AA6 (0 - 1)	3/8/2007	Soil	Tier I	No						
G135-342	RAA10-N-AA7 (0 - 1)	3/8/2007	Soil	Tier I	No						
G135-342	RB030707-1	3/7/2007	Water	Tier I	No						
G135-342	RB030807-1	3/8/2007	Water	Tier I	No						

TABLE B-1
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs (continued)											
G135-343	RAA10-E-H29.5 (0 - 1)	3/9/2007	Soil	Tier II	No						
G135-343	RAA10-E-KK5.5 (0 - 1)	3/9/2007	Soil	Tier II	No						
G135-343	RAA10-E-LL6.5 (0 - 1)	3/9/2007	Soil	Tier II	No						
G135-343	RAA10-E-MM7.5 (0 - 1)	3/9/2007	Soil	Tier II	No						
G135-343	RAA10-E-NO26.5 (0 - 1)	3/9/2007	Soil	Tier II	Yes	Aroclor-1016	Surrogate Recovery	27.5%, 21.2%	40% to 140%	ND(0.066) J	Used re-extracted analysis
						Aroclor-1016	Holdtimes (Extraction)	18 days	<14 days	ND(0.066) J	
						Aroclor-1221	Surrogate Recovery	27.5%, 21.2%	40% to 140%	ND(0.066) J	
						Aroclor-1221	Holdtimes (Extraction)	18 days	<14 days	ND(0.066) J	
						Aroclor-1232	Surrogate Recovery	27.5%, 21.2%	40% to 140%	ND(0.066) J	
						Aroclor-1232	Holdtimes (Extraction)	18 days	<14 days	ND(0.066) J	
						Aroclor-1242	Surrogate Recovery	27.5%, 21.2%	40% to 140%	ND(0.066) J	
						Aroclor-1242	Holdtimes (Extraction)	18 days	<14 days	ND(0.066) J	
						Aroclor-1248	Surrogate Recovery	27.5%, 21.2%	40% to 140%	ND(0.066) J	
						Aroclor-1248	Holdtimes (Extraction)	18 days	<14 days	ND(0.066) J	
						Aroclor-1254	Surrogate Recovery	27.5%, 21.2%	40% to 140%	0.17 J	
						Aroclor-1254	Holdtimes (Extraction)	18 days	<14 days	0.17 J	
						Aroclor-1260	Surrogate Recovery	27.5%, 21.2%	40% to 140%	0.072 J	
						Aroclor-1260	Holdtimes (Extraction)	18 days	<14 days	0.072 J	
						Total PCBs	Surrogate Recovery	27.5%, 21.2%	40% to 140%	0.242 J	
						Total PCBs	Holdtimes (Extraction)	18 days	<14 days	0.242 J	
G135-344	DUP-003 (1 - 3)	3/12/2007	Soil	Tier I	No						Parent sample RAA10-W-Q14
G135-344	RAA10-N-CC18 (6 - 15)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q14 (1 - 3)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q14 (3 - 6)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q14 (6 - 15)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q15 (1 - 3)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q15 (3 - 6)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q15 (6 - 15)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q16 (1 - 3)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q16 (3 - 6)	3/12/2007	Soil	Tier I	No						
G135-344	RAA10-W-Q16 (6 - 15)	3/12/2007	Soil	Tier I	No						
G135-344	RB031207-1	3/12/2007	Water	Tier I	No						
G135-351	RAA10-E-LM15.5 (0 - 1)	3/19/2007	Soil	Tier I	No						
G135-351	RAA10-E-LM15.5 (1 - 3)	3/19/2007	Soil	Tier I	No						
G135-351	RAA10-E-LM15.5 (3 - 6)	3/19/2007	Soil	Tier I	No						
G135-439	RAA10-E-AAABBB27 (0 - 1)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-BBBCCC25 (0 - 1)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-MM14 (1 - 3)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-MM14 (3 - 6)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-RB-2	6/8/2007	Water	Tier II	No						
G135-439	RAA10-E-XX18.5 (0 - 1)	6/8/2007	Soil	Tier II	No						
PCDDs/PCDFs											
G135-439	RAA10-E-DUP-003 (0 - 1)	6/8/2007	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Field Duplicate RPD (Soil)	126.7%	<50%	0.0018 J	Parent sample RAA10-E-MM18
						1,2,3,4,7,8-HxCDF	Field Duplicate RPD (Soil)	74.2%	<50%	0.00023 J	
						1,2,3,6,7,8-HxCDD	Field Duplicate RPD (Soil)	80.5%	<50%	0.00016 J	
						2,3,4,6,7,8-HxCDF	Field Duplicate RPD (Soil)	51.8%	<50%	0.00038 J	
						HpCDDs (total)	Field Duplicate RPD (Soil)	124.3%	<50%	0.0034 J	
						HxCDDs (total)	Field Duplicate RPD (Soil)	52.1%	<50%	0.0010 J	
						HxCDFs (total)	Field Duplicate RPD (Soil)	51.5%	<50%	0.0055 J	
						OCDD	Field Duplicate RPD (Soil)	145.2%	<50%	0.013 EJ	
						OCDD	Exceeds CAL Range	-	-	0.013 EJ	
						OCDF	Field Duplicate RPD (Soil)	91.7%	<50%	0.00076 J	
						PeCDFs (total)	Field Duplicate RPD (Soil)	65.0%	<50%	0.0041 J	
						TCDDs (total)	Field Duplicate RPD (Soil)	57.8%	<50%	0.00013 J	
G135-439	RAA10-E-LL12.5 (0 - 1)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-LL17 (0 - 1)	6/8/2007	Soil	Tier II	No						
G135-439	RAA10-E-MM18 (0 - 1)	6/8/2007	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Field Duplicate RPD (Soil)	126.7%	<50%	0.00041 J	
						1,2,3,4,7,8-HxCDF	Field Duplicate RPD (Soil)	74.2%	<50%	0.00011 J	
						1,2,3,6,7,8-HxCDD	Field Duplicate RPD (Soil)	80.5%	<50%	0.000069 J	
						2,3,4,6,7,8-HxCDF	Field Duplicate RPD (Soil)	51.8%	<50%	0.00065 J	
						HpCDDs (total)	Field Duplicate RPD (Soil)	124.3%	<50%	0.00079 J	
						HxCDDs (total)	Field Duplicate RPD (Soil)	52.1%	<50%	0.00060 J	
						HxCDFs (total)	Field Duplicate RPD (Soil)	51.5%	<50%	0.0093 J	
						OCDD	Field Duplicate RPD (Soil)	145.2%	<50%	0.0021 J	
						OCDF	Field Duplicate RPD (Soil)	91.7%	<50%	0.00028 J	

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCDDs/PCDFs (continued)											
G135-439	RAA10-E-MM18 (0 - 1)	6/8/2007	Soil	Tier II	Yes	PeCDFs (total)	Field Duplicate RPD (Soil)	65.0%	<50%	0.0081 J	
						TCDDs (total)	Field Duplicate RPD (Soil)	57.8%	<50%	0.000073 J	
G135-439	RAA10-E-NN0014 (0 - 1)	6/8/2007	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	MS %R	130.0%	75% to 125%	0.000051 J	
						1,2,3,4,6,7,8-HpCDD	MS/MSD RPD	28.9%	<20%	0.000051 J	
						1,2,3,4,6,7,8-HpCDF	MSD %R	69.1%	75% to 125%	0.00012 J	
						1,2,3,4,7,8-HxCDF	MSD %R	69.1%	75% to 125%	0.00010 I J	
						2,3,4,7,8-PeCDF	MS/MSD %R	66.4%, 64.1%	75% to 125%	0.000052 J	
						2,3,7,8-TCDF	MS/MSD %R	36.4%, 34.6%	75% to 125%	0.000056 J	
						OCDD	MS/MSD %R	180%, 51.9%	75% to 125%	0.00029 J	
						OCDD	MS/MSD RPD	55.0%	<20%	0.00029 J	
G135-439	RAA10-E-RB-1	6/8/2007	Water	Tier II	No						

ARCADIS BBL

Attachment C

Figure Quantifying PCB Concentrations within Areas Formerly Referred to as North and East Area

North

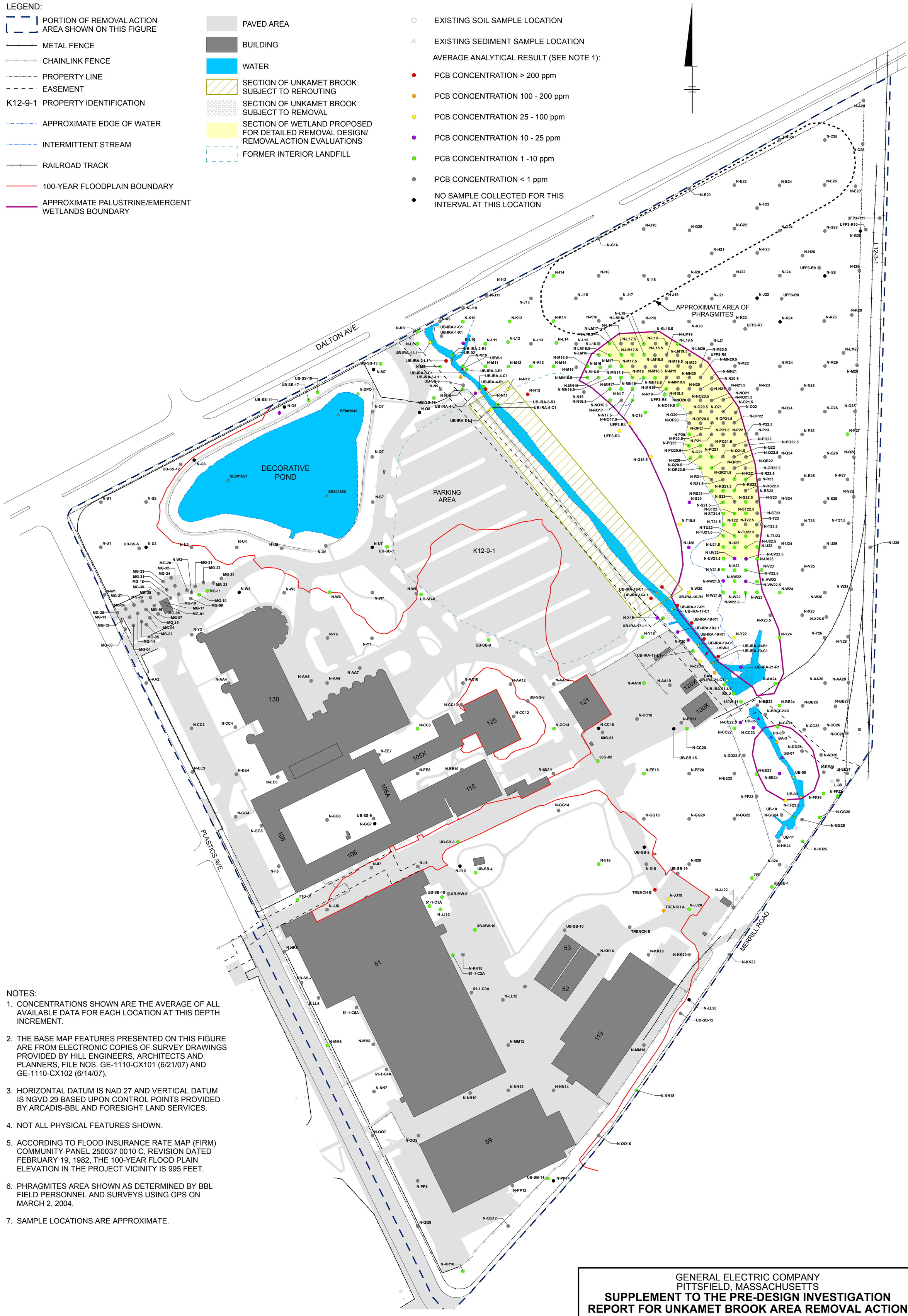
SYR-85 MTK GMB KEW
Unkamet Brook (40190.027)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\NorthArea\PreDesignInvestigation\mxd\PCB 0-1 AVG_v2.mxd - 7/26/2007 @ 8:35:41 AM

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- PAVED AREA
- BUILDING
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF UNKAMET BROOK SUBJECT TO REMOVAL
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/ REMOVAL ACTION EVALUATIONS
- FORMER INTERIOR LANDFILL
- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



NOTES:

1. CONCENTRATIONS SHOWN ARE THE AVERAGE OF ALL AVAILABLE DATA FOR EACH LOCATION AT THIS DEPTH INCREMENT.
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3. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
4. NOT ALL PHYSICAL FEATURES SHOWN.
5. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100-YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
6. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 0 - 1 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-1a

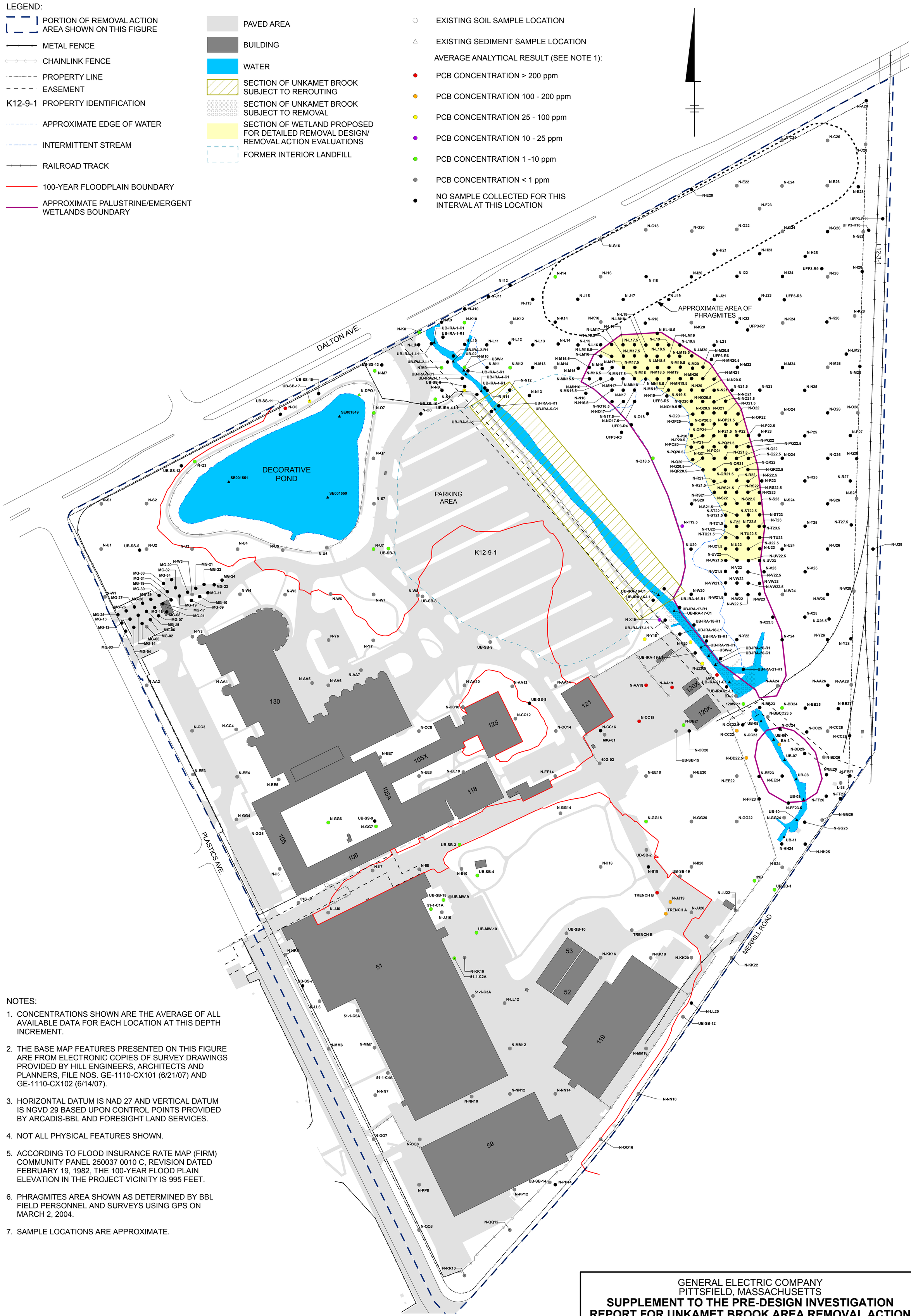
SYR-85 MTK GMB KEW
Unkamet Brook (40190.027)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\NorthArea\PreDesignInvestigation\mxd\PCB 1-3 AVG_v2.mxd - 7/26/2007 @ 8:45:02 AM

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- PAVED AREA
- BUILDING
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF UNKAMET BROOK SUBJECT TO REMOVAL
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/ REMOVAL ACTION EVALUATIONS
- FORMER INTERIOR LANDFILL
- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



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6. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 1 - 3 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-1b

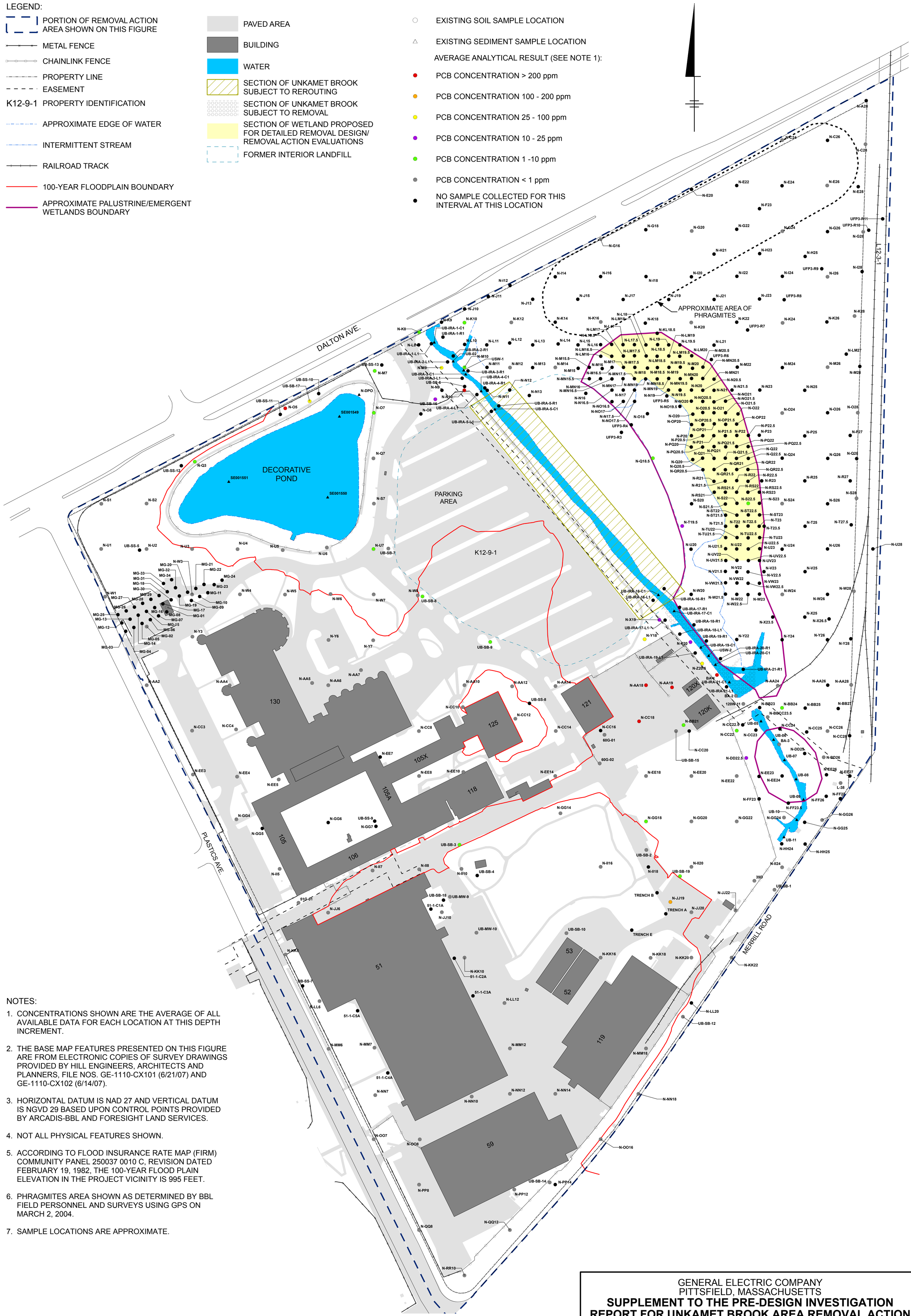
SYR-85 MTK GMB KEW
Unkamet Brook (40190.027)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\NorthArea\PreDesignInvestigation\mxd\PCB 3-6 AVG_v2.mxd - 7/27/2007 @ 11:43:40 AM

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- PAVED AREA
- BUILDING
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF UNKAMET BROOK SUBJECT TO REMOVAL
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/ REMOVAL ACTION EVALUATIONS
- FORMER INTERIOR LANDFILL
- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



NOTES:

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4. NOT ALL PHYSICAL FEATURES SHOWN.
5. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100-YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
6. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 3 - 6 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-1c

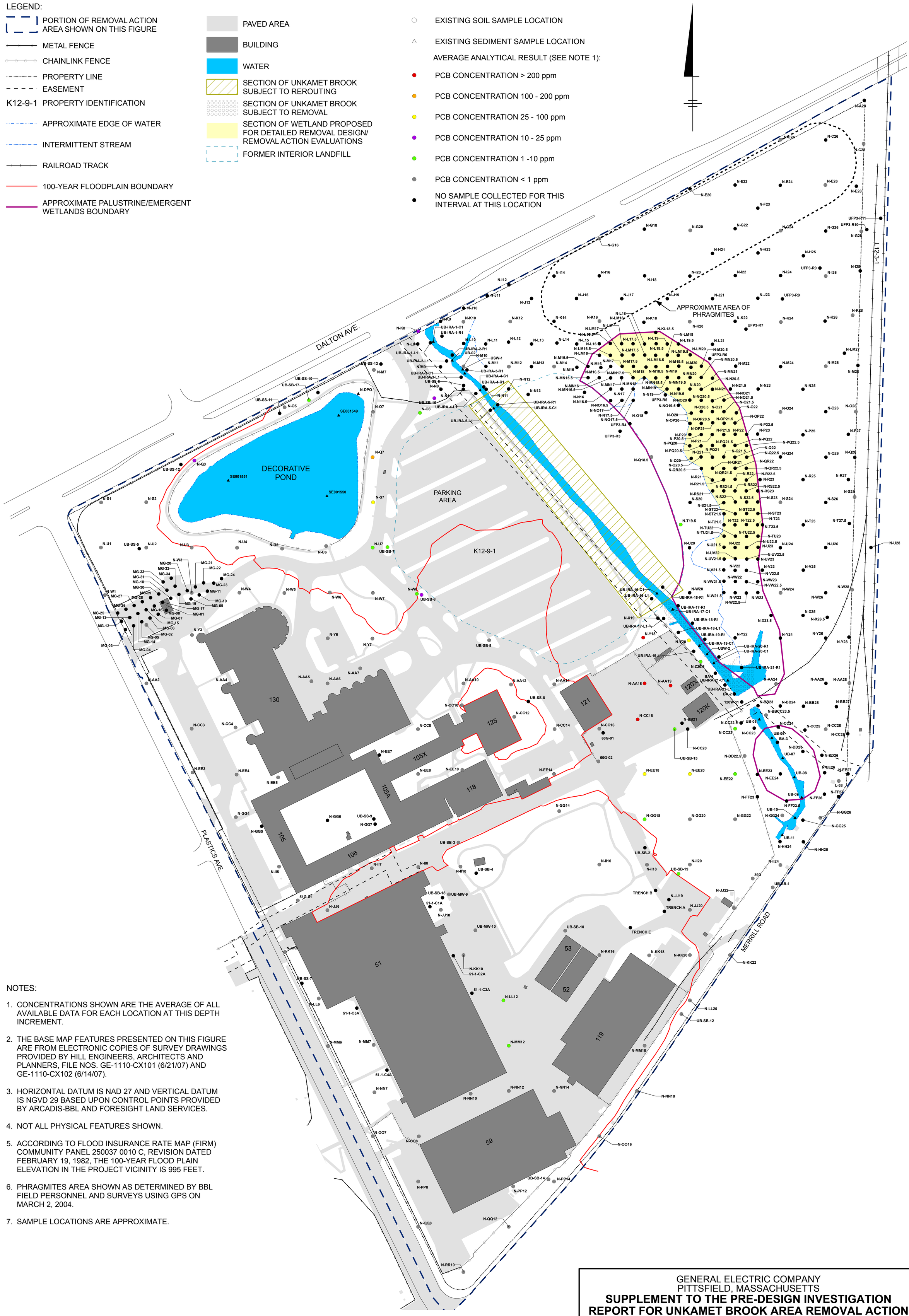
SYR-85 MTK GMB KEW
Unkamet Brook (40190.027)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\NorthArea\PreDesignInvestigation\mxd\PCB 6-15 AVG_v2.mxd - 7/27/2007 @ 1:18:53 PM

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- K12-9-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- PAVED AREA
- BUILDING
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF UNKAMET BROOK SUBJECT TO REMOVAL
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/ REMOVAL ACTION EVALUATIONS
- FORMER INTERIOR LANDFILL
- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



NOTES:

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6. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 6 - 15 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-1d

East

SYR-85 MTK KEW
Unkamet Brook (401090.025)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\EastArea\PreDesignInvestigation\mxd\PCB 0-1 AVG_v2.mxd - 7/26/2007 @ 8:32:19 AM

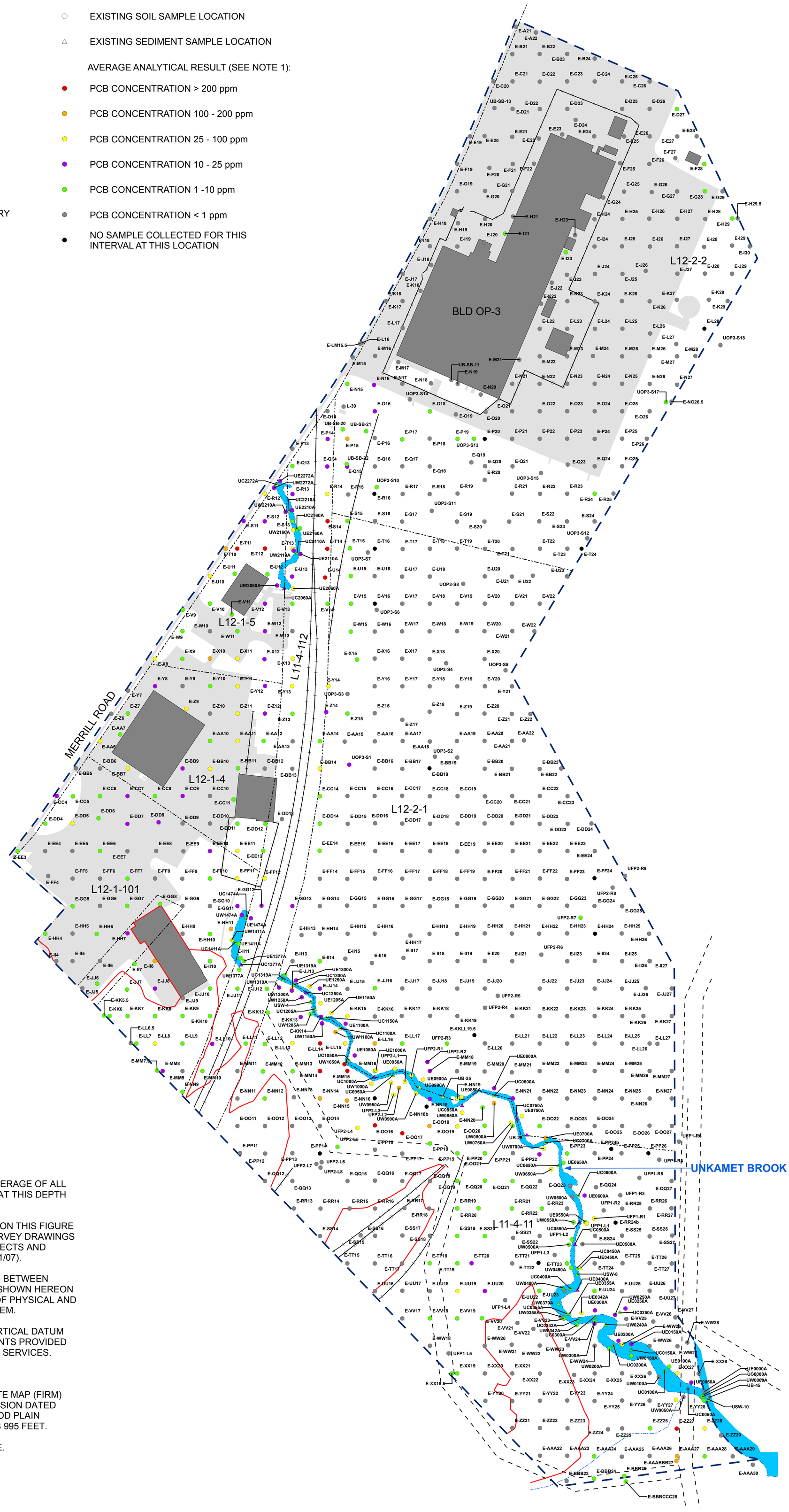
LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- L12-2-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- PAVED AREA
- BUILDING
- WATER

- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



NOTES:

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4. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS-BBL AND FORESIGHT LAND SERVICES.
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7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 0 - 1 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-2a

SYR-85 MTK KEW
Unkamet Brook (401090.025)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\EastArea\PreDesignInvestigation\mxd\PCB 1-3 AVG_v2.mxd - 7/27/2007 @ 11:49:25 AM

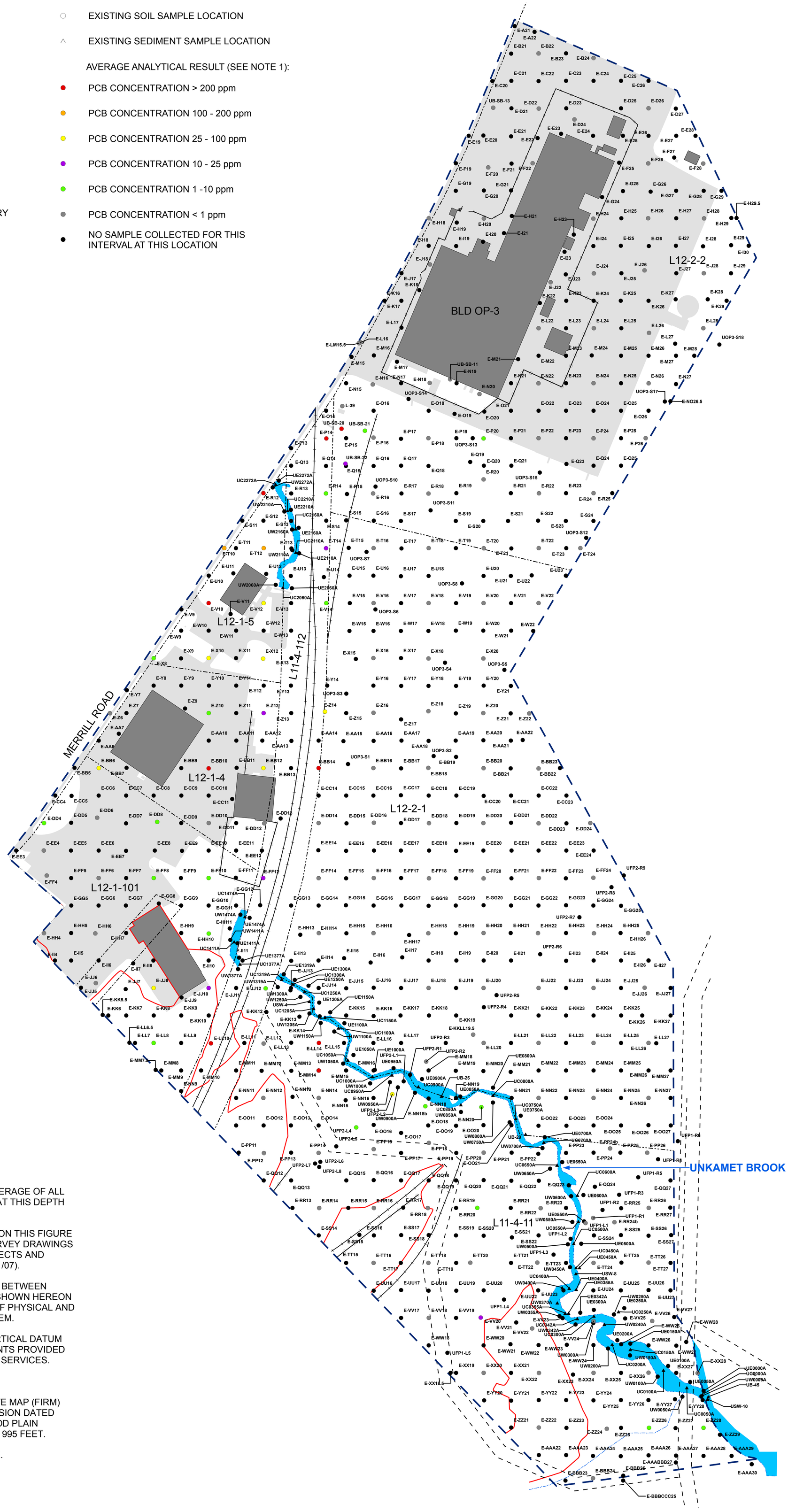
LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- L12-2-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- PAVED AREA
- BUILDING
- WATER

- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



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7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 1 - 3 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-2b

SYR-85 MTK KEW
Unkamet Brook (401090.025)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\EastArea\PreDesignInvestigation\mxd\PCB 3-6 AVG_v2.mxd - 7/26/2007 @ 8:49:42 AM

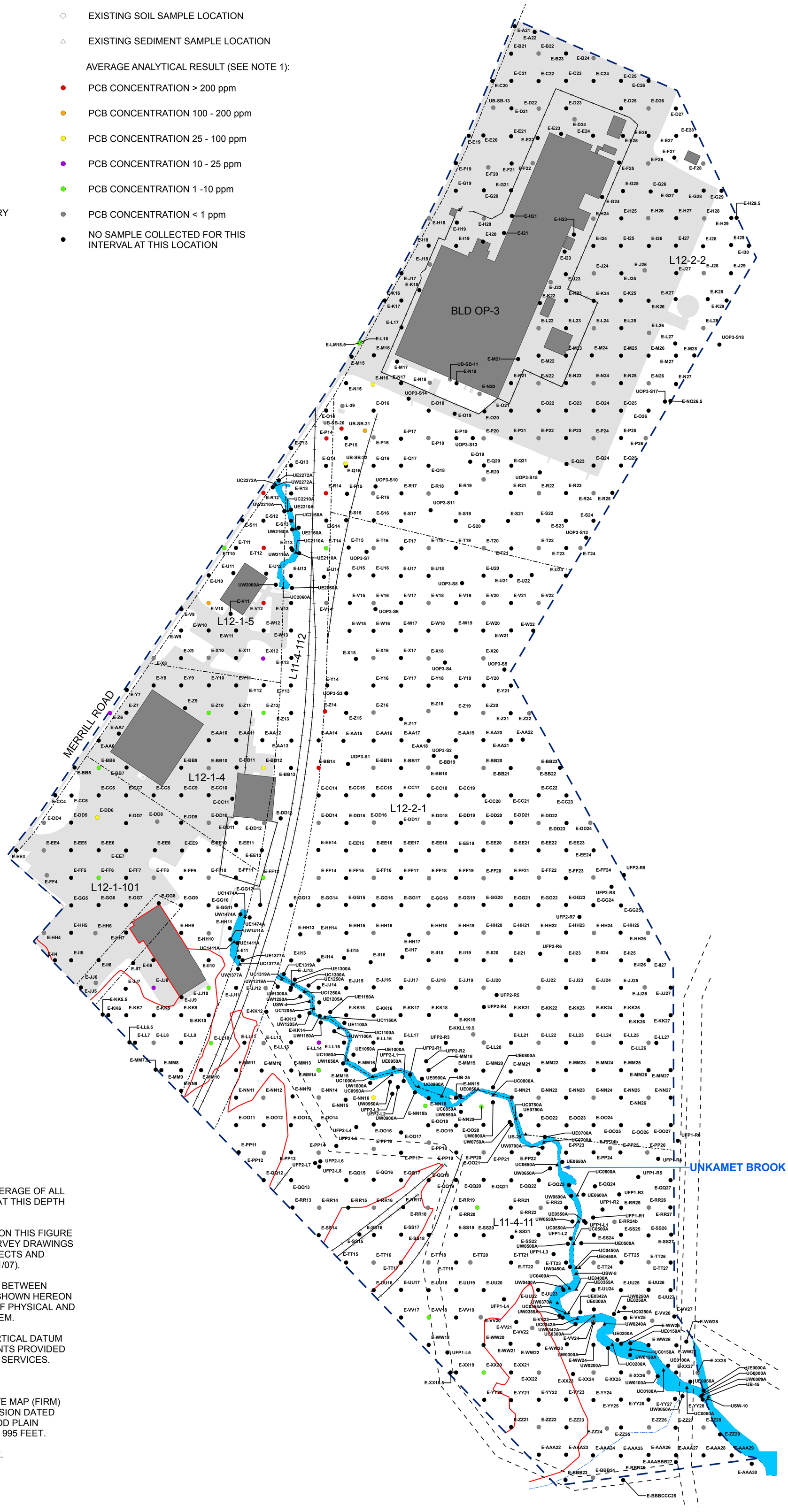
LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- L12-2-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- PAVED AREA
- BUILDING
- WATER

- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
- PCB CONCENTRATION 100 - 200 ppm
- PCB CONCENTRATION 25 - 100 ppm
- PCB CONCENTRATION 10 - 25 ppm
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



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7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 3 - 6 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-2c

SYR-85 MTK KEW
Unkamet Brook (401090.025)
R:\GE_GIS\GE_Pittsfield\UnkametBrook\EastArea\PreDesignInvestigation\mxd\PCB 6-15 AVG_v2.mxd - 7/26/2007 @ 2:39:43 PM

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- METAL FENCE
- CHAINLINK FENCE
- PROPERTY LINE
- EASEMENT
- L12-2-1 PROPERTY IDENTIFICATION
- APPROXIMATE EDGE OF WATER
- INTERMITTENT STREAM
- RAILROAD TRACK
- 100-YEAR FLOODPLAIN BOUNDARY
- PAVED AREA
- BUILDING
- WATER

- EXISTING SOIL SAMPLE LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION

AVERAGE ANALYTICAL RESULT (SEE NOTE 1):

- PCB CONCENTRATION > 200 ppm
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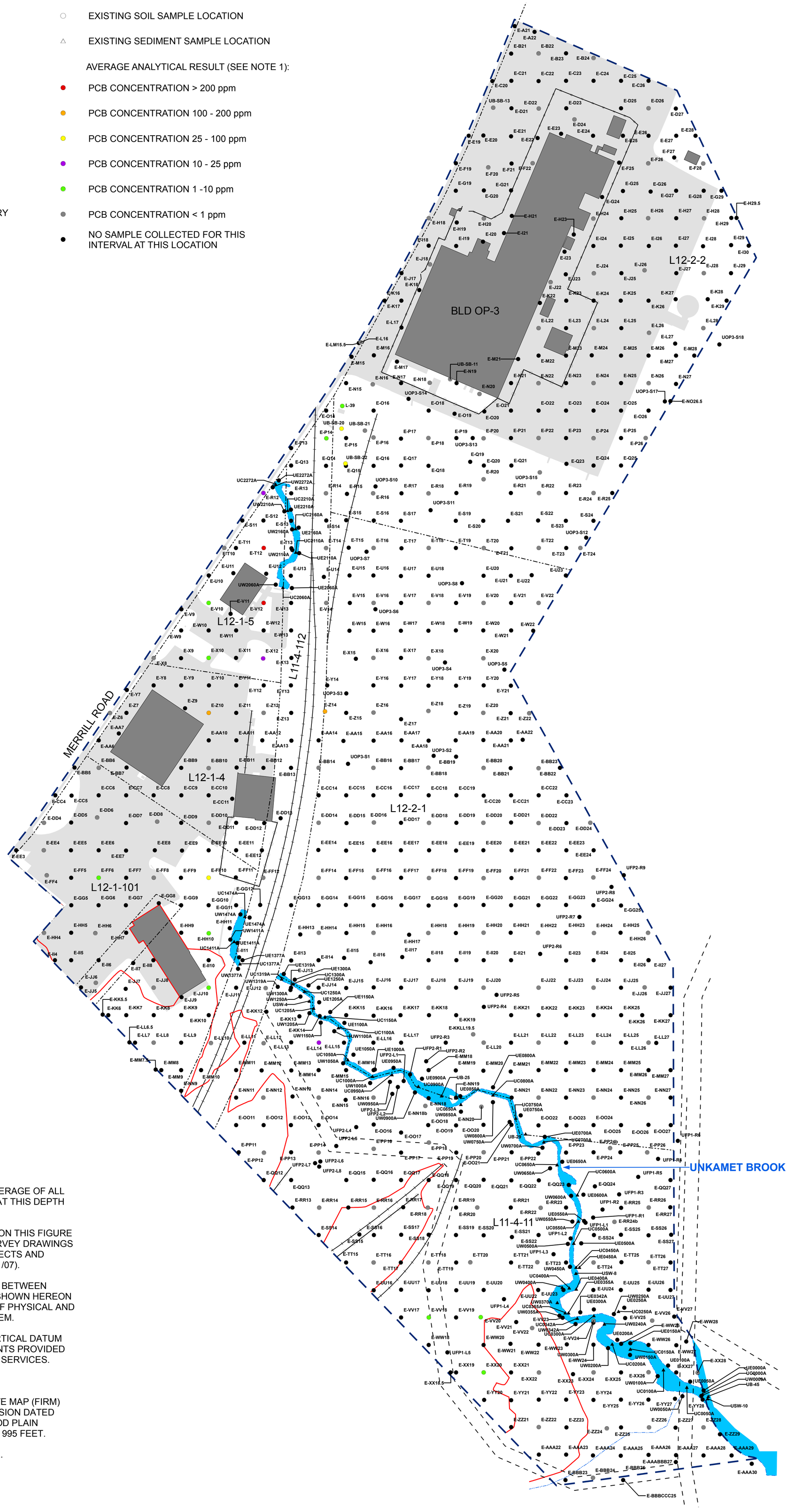
- PCB CONCENTRATION 1 -10 ppm
- PCB CONCENTRATION < 1 ppm
- NO SAMPLE COLLECTED FOR THIS INTERVAL AT THIS LOCATION



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7. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100 200 Feet
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF AVERAGE PCB SOIL AND SEDIMENT DATA: 6 - 15 FT INTERVAL

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
C-2d