



GE
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Pittsfield, MA 01201
USA

Transmitted Via Overnight Courier

February 19, 2007

Mr. Dean Tagliaferro
United States Environmental Protection Agency
c/o Weston Solutions, Inc.
10 Lyman Street
Pittsfield, MA 01201

**Re: Supplemental Sampling Plan for Re-routing of Sanitary and Storm Sewer Pipelines
GE-Pittsfield/Housatonic River Site
Hill 78 On-Plant Consolidation Area (GECD210)**

Dear Mr. Tagliaferro:

On October 20, 2006, the General Electric Company (GE) submitted a document to the U.S. Environmental Protection Agency (EPA) titled *Re-routing of Sanitary and Storm Water Pipelines* (Re-Routing Proposal). That document outlined a plan to re-route the portions of the existing sanitary and storm sewer pipelines that currently run under the Hill 78 On-Plant Consolidation Area (OPCA) to new locations outside of the western limits of that OPCA. The Re-Routing Proposal also provided that the portions of the existing sanitary and storm sewer pipelines that were bypassed by the installation of the new lines will be taken out of service, and that those pipelines will be blocked at each end and grouted with flowable concrete fill. EPA provided conditional approval of GE's proposal in a letter dated January 5, 2007 and directed GE to submit a plan proposing additional sampling to further characterize the soils along the proposed alignment of the re-routed sanitary and storm sewers. This *Supplemental Sampling Plan for Re-routing of Sanitary and Storm Sewer Pipelines* (Supplemental Sampling Plan) provides details regarding the supplemental sampling activities GE is proposing to characterize the existing soils for potential future use as backfill materials for the re-routed portions of the sanitary and storm sewer pipelines, based on the preliminary routing for these pipelines.

As shown on Figure 1, the Re-Routing Proposal indicated that GE proposed to re-route the sanitary sewer line from a new concrete manhole located along Tyler Street Extension (northwest of the Hill 78 OPCA), around the western perimeter of the Hill 78 OPCA, to a reconnection point at an existing manhole located approximately 200 feet north of Merrill Road. The re-routed portion of the sanitary sewer will consist of approximately 1,000 linear feet of new 10-inch-diameter polyvinyl chloride (PVC) pipe set at an average slope of 0.46 percent with five new pre-cast concrete manholes set at the locations shown on Figure 1. Also, the existing manhole at the reconnection point will be replaced if it cannot be modified appropriately. Similarly, the Re-Routing Proposal indicated that GE proposed to re-route the new storm sewer line from an existing on-site manhole located northwest of the Hill 78 OPCA, around the western perimeter of the Hill 78 OPCA, "daylighting" immediately north of the culvert under Merrill Road. This re-routed portion of the storm sewer will consist of approximately 1,250 linear feet of new 48-inch-diameter corrugated, smooth wall interior high-density polyethylene (HDPE) pipe set at an average slope of 0.55 percent with five new pre-cast concrete manholes at the locations shown on Figure 1. It should also be noted that the portion of the re-routed storm sewer line located downgradient of the proposed manhole located south of the Hill 78 OPCA will be installed at or above grade under existing conditions. However, at EPA's request, the area around this section of the pipeline will be backfilled and regraded

with clean fill material following installation of the pipeline so that the entire portion of the new pipeline located between Tyler Street Extension and Merrill Road will be located below ground.

GE anticipates installing the re-routed sanitary and storm sewer pipelines within a common trench for the portion of the pipelines located between (a) the reconnection point for the sanitary sewer/existing outfall location south of the Hill 78 OPCA and (b) the new manholes adjacent to the northwest corner of the Hill 78 OPCA. GE expects to install the northernmost portions of each pipeline in separate trenches.

As noted in the Re-Routing Proposal, this plan to relocate the existing pipelines is subject to receipt of necessary approvals from the City. GE also anticipates that, upon relocation of the pipelines, appropriate modifications will be made to City easements to reflect the new locations of the pipelines.

Data Needs

In order to determine the suitability of existing soils within the proposed utility corridor for potential use as backfill material following installation of the re-routed pipelines, and pursuant to Condition No. 1 of EPA's January 5, 2007 conditional approval letter, GE is proposing to perform supplemental soil sampling activities for analysis of polychlorinated biphenyls (PCBs). The Consent Decree and *Statement of Work for Removal Actions Outside the River (SOW)* specify that GE shall calculate the spatial average PCB concentration for soils in the 1- to 6-foot depth increment within existing utility corridors for utilities subject to emergency repair at the GE Plant Site (which includes the Hill 78 Area-Remainder Removal Action Area [RAA]). If the spatial average PCB concentration for any such utility is greater than 200 ppm in the 1- to 6-foot depth increment, the SOW requires that GE evaluate the need for additional removal actions. GE had previously indicated to EPA that it did not consider this criterion to be applicable since the location of the re-routed utilities did not constitute an existing utility corridor. EPA's January 5, 2007 conditional approval letter did not concur with this conclusion. However, that letter did indicate that GE would not have to evaluate this criterion given that the spatial average PCB concentration for the 1- to 6-foot depth increment was expected to be less than 200 ppm based on a review of the existing data within the portion of the Hill 78 Area-Remainder RAA subject to the relocation of the sanitary and storm sewers.

Nonetheless, consistent with other new utility installation activities at the GE Plant Site, GE expects to utilize existing soils as backfill materials upon installation of the re-routed pipelines. The SOW requires that the spatial average PCB concentration of such backfill material be less than 25 ppm. To assure that the existing soil, once excavated to create a utility trench for the proposed sanitary and storm sewer pipelines, satisfies this criterion and can be replaced in the utility trench, GE will perform the additional investigation activities proposed herein.

To demonstrate achievement of the 25 ppm criterion, GE is proposing to review data from approximately every 50 feet along the alignment of the proposed new utility trenches. As shown on Figure 1, this spacing would require data from approximately 23 locations along the proposed utility trenches that are anticipated to be used for the re-routing of these pipelines. For consistency with previous pre-design investigation activities within the Hill 78 Area-Remainder RAA, soil samples will generally (except where there are existing data) be collected from the 0- to 1-foot, 1- to 6-foot, and 6- to 15-foot depth increments, as appropriate, to the depth corresponding to the proposed invert elevation of the sanitary and storm sewer lines, plus one foot for the associated pipeline bedding materials. The data from these sampling intervals will be incorporated into the evaluations of the potential need for and scope of removal actions to achieve the PCB Performance Standards applicable to the soils within the Hill 78 Area-Remainder RAA. Such evaluations will be presented in the forthcoming Conceptual Removal Design/Removal Action Work Plan for the Hill 78 Area-Remainder RAA. For areas within which the re-

routed pipelines will be installed deeper than 15 feet below existing grade, additional samples will generally be collected from the 15- to 20-foot and 20- to 25-foot depth increments, as appropriate, to the depth corresponding to the proposed invert elevation of re-routed pipelines, plus one foot for the pipeline bedding materials. Finally, samples will only be collected from the portion of the deepest sampling interval necessary to characterize the soils that would be excavated as part of the utility installation activities (i.e., those soils that could potentially be used as backfill materials for the re-routed portions of the sanitary and storm sewers). For example, if the base of the bedding materials associated with either re-routed utility are eight feet below existing grade, the sample collected from the deepest sampling interval would be collected from the 6- to 8-foot depth increment only (in lieu of a sample from the 6- to 15-foot depth increment).

Based on a preliminary comparison of the anticipated slope and depth of the proposed pipelines to existing grade (Table 1), GE will review data from the following 23 locations to achieve the sampling criteria discussed above:

- Three locations with data collected up to ten feet below ground surface (bgs);
- Three locations with data collected up to 20 feet bgs; and
- Seventeen locations with data collected up to 26 feet bgs.

As indicated on Figure 1, data from 19 locations (designated locations 1 through 19) will be reviewed to characterize the existing soils within the common portion of the proposed utility corridor to be shared by the re-routed sanitary and storm sewer pipelines. In addition, in the northernmost portions of the separate trenches for the re-routed sanitary and storm sewer pipelines, data from another four locations (designated locations 20 through 23) will be reviewed to characterize the existing soils within those portions of the utility corridors. In summary, data from approximately 106 sampling intervals are required to characterize the soils within the proposed utility corridors to the depths specified on Table 1.

Use of Existing Data to Satisfy Data Needs

Some of the data needs for the proposed pipelines, however, may be satisfied by existing data. When evaluating existing utility corridors within any RAA, existing data located within a 50-foot wide band centered on each utility is utilized to calculate a spatial average PCB concentration for the soils within a utility corridor subject to evaluation. In light of GE's plan to create a common utility trench for the two re-routed pipelines for a portion of their length, the two pipelines will be installed in close proximity to each other. As a result, using a 50-foot wide band consistent with the approach used for evaluating existing utility corridors, results in some overlap between the 50-foot bands centered on each pipeline. Figure 1 presents the 50-foot bands centered on the re-routed portions of the sanitary and storm sewer pipelines, as well as the pre-design and historical soil sampling locations located within these bands. The pre-design and historical PCB soil sample data associated with these sampling locations are presented on Tables 2 and 3, respectively.

Proposed Sampling

Table 4 presents a summary of the sampling intervals necessary to characterize the existing soils for potential use as backfill materials following pipeline installation and indicates where GE proposes that existing PCB data be used to satisfy these sampling intervals. Based on the use of historical and pre-design investigation soil sampling data to satisfy the sampling intervals specified in Table 4, GE is proposing to collect approximately 77 soil samples from 21 locations to supplement the existing PCB data

for the purpose of characterizing existing soils for potential use as backfill materials following installation of the pipelines. As shown on Table 4, no new data are necessary at the 2nd or 23rd sampling location since existing data can be used to satisfy the data needs associated with those locations.

Upon collection, the soil samples will be submitted for analysis of PCBs. Consistent with previous investigation activities conducted within the GE Plant Site, the proposed investigation activities will be performed in accordance with GE's approved Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), including the collection of Quality Control/Quality Assurance (QA/QC) samples. Finally, the specific locations and depths of the proposed samples may be slightly modified during ongoing design activities for the re-routed pipelines or during the performance of investigation activities in the field if site conditions (e.g., topography, vegetation, refusal, standing water, miscellaneous debris, existing structures, etc.) prevent sampling from being conducted at the locations shown on Figure 1.

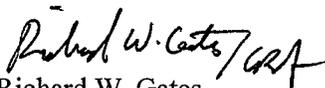
Pursuant to Condition No. 4 of EPA's January 5, 2007 approval letter, GE is also providing with this letter a summary of the existing data for other non-PCB constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides), plus benzidene, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3), that is present at the existing sampling locations within the proposed utility corridors. The available non-PCB soil sample data for the pre-design investigation and historical soil sampling locations present within the proposed utility corridors are presented on Tables 5 and 6, respectively.

Future Activities and Schedule

GE proposes to complete the supplemental sampling activities proposed herein and to submit a Supplemental Sampling and Engineering Design Report within 120 days after EPA approval of this Supplemental Sampling Plan (subject to delays associated with receiving the necessary approvals from the City of Pittsfield for the re-routing of the pipelines or delays in the proposed sampling activities due to winter weather conditions). In accordance with Condition No. 2 of EPA's January 5, 2007 approval letter, GE will include in that report (a) detailed design plans for the proposed pipelines, (b) the data (including supporting data tables, calculations, figures, and a data validation report) from the supplemental investigations proposed herein, (c) a soil handling plan, including (i) an evaluation of the possible re-use of excavated soils as excavation backfill material (i.e., an evaluation to ensure that the spatial average PCB concentration of these materials is less than 25 ppm), (ii) information on whether backfill materials from an off-site location will be used, and (iii) a proposal for disposition of any excess excavated soils not used for backfill.

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

Sincerely,



Richard W. Gates
Remediation Project Manager

Attachments

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cc: Tim Conway, EPA
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Public Information Repositories
GE Internal Repository

** without attachments*

**TABLE 1
PRELIMINARY PIPELINE INVERT INFORMATION AND REQUIRED DEPTH OF SOIL BORINGS**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Station¹	Approximate Ground Elevation	Approximate Invert Elevation	Assumed Utility Bedding Thickness (ft)	Approximate Characterization Depth (ft bgs)	Proposed Depth of Soil Boring (ft bgs)
1	999.00	992.36	1.00	7.64	0-8
2	1000.00	992.59	1.00	8.41	N/A
3	1015.00	992.81	1.00	23.19	0-24
4	1016.00	993.04	1.00	23.96	0-24
5	1017.00	993.26	1.00	24.74	0-25
6	1018.00	993.49	1.00	25.51	0-26
7	1018.00	993.72	1.00	25.28	0-26
8	1018.00	993.94	1.00	25.06	0-25
9	1018.00	994.17	1.00	24.83	0-25
10	1018.00	994.39	1.00	24.61	0-25
11	1018.00	994.62	1.00	24.38	0-25
12	1017.00	994.84	1.00	23.16	0-24
13	1017.00	995.07	1.00	22.93	0-23
14	1017.00	995.29	1.00	22.71	0-23
15	1017.00	995.52	1.00	22.48	0-23
16	1016.00	995.74	1.00	21.26	0-22
17	1019.00	995.97	1.00	24.03	0-24
18	1019.50	996.20	1.00	24.30	0-25
19	1016.50	996.42	1.00	21.08	0-21
20	1015.00	996.65	1.00	19.35	0-20
21	1013.50	996.81	1.00	17.69	0-18
22	1016.50	999.57	1.00	17.93	0-18
23	1008.50	999.84	1.00	9.66	N/A

Notes:

1. As indicated in the text, data are required from 23 locations (located approximately every 50 feet along the re-routed portions of the pipelines) to characterize the existing soils for potential use as backfill materials following installation of the re-routed pipelines.
2. ft = feet.
3. ft bgs = feet below ground surface.
4. N/A = Not Applicable. Existing soil sampling data will be used to characterize soils at this location.
5. Sample locations/depth increments summarized herein may be modified based on field conditions, visual observations, or other factors identified in the field.
6. Invert elevations, ground elevations and depths are approximations only based on preliminary re-routing locations. Actual sewer re-routing locations (i.e., invert elevation, ground elevation and depth) may vary from those identified herein.

**TABLE 2
PRE-DESIGN PCB DATA SUMMARY**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA9-D8	6-15	6/21/2006	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.23	0.23
RAA9-E7	0-1	1/5/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.14	0.54	0.68
	1-6	1/5/2005	ND(0.036)							
	6-15	1/5/2005	ND(0.034)							
RAA9-G7	0-1	1/10/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	28	28
	1-6	1/10/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.53	0.53
	6-15	1/10/2005	ND(0.039)							
RAA9-H7	0-1	1/10/2005	ND(0.036)							
	1-6	1/10/2005	ND(0.037) [ND(0.037)]							
	6-15	1/10/2005	ND(0.038)							
RAA9-I9	6-15	1/14/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.022 J	0.022 J	
RAA9-J10	0-1	1/12/2005	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	110	47	157
	1-6	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.080	0.30	0.15	0.53
	6-15	1/12/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.039	0.021 J	0.060
RAA9-J11	0-1	1/21/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.088	0.12	0.208
	1-6	1/21/2005	ND(0.037)							
	6-15	1/21/2005	ND(0.038)							
RAA9-J12	0-1	2/3/2005	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	0.086	0.18	0.266
	1-6	2/3/2005	ND(0.039)							
	6-15	2/3/2005	ND(0.040)							

Notes:

1. Samples were collected by ARCADIS BBL, and were 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, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. ND - Analyte was not detected. The number in parentheses 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 3
HISTORICAL PCB DATA SUMMARY
HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
H78B-25	H25B00.5	0-0.5	7/15/1996	ND(0.056)	ND(0.11)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	25 P	25
	H25B0.502	0.5-2	7/15/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	8.3 P	8.3
	H25B0204	2-4	7/15/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.23 P	0.23
	H25B0406	4-6	7/15/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12 P	0.12
	H250608	6-8	7/15/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.069 P	0.069
	H25B1012	10-12	7/15/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.034 JP	0.034 J
DRA-SB-1	OPCA-SW-DRA-SB-1	0-1	6/2/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.069	0.069
		1-3	6/2/2000	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.024 J	0.024 J
		3-5	6/2/2000	ND(0.037)	ND(0.037)						
		5-7	6/2/2000	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.85	0.85
PS-W-11	PS-W-11A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.76	1.6	2.36
	PS-W-11B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.30	0.35
PS-W-13	PS-W-13A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	5.0	3.6	8.6
	PS-W-13B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.39 *	0.22	0.61
PS-W-15	PS-W-15A	0-4	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	17	4.8	21.8
	PS-W-15B	4-8	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	5.5	ND(0.31)	5.5
PS-W-17	PS-W-17A	0-2	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	1.9	6.5	8.4
	PS-W-17B	2-6	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.19	0.17	0.36
	PS-W-17C	6-10	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	PS-W-17D	10-14	7/7/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for PCBs.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

Data Qualifiers:

J - Indicates an estimated value less than the practical quantitation limit (PQL).

P - Greater than 25% difference between primary and confirmation column.

* - Sample exhibits alteration of standard aroclor pattern.

**TABLE 4
PROPOSED SUPPLEMENTAL PCB SOIL INVESTIGATIONS**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Station¹	Proposed Soil Boring ID	Sample Increment (ft bgs)	PCB Analyses Summary/ Existing Data Use
1	SB-1	0 - 1	P
		1 - 6	P
		6 - 8	P
2	N/A	0 - 1	RAA9-J12
		1 - 6	RAA9-J12
		6 - 15	RAA9-J12
3	SB-2	0 - 1	RAA9-J11
		1 - 6	RAA9-J11
		6 - 15	RAA9-J11
		15 - 20	P
		20 - 24	P
4	SB-3	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 24	P
5	SB-4	0 - 1	PS-W-11 / RAA9-J10
		1 - 6	PS-W-11 / RAA9-J10
		6 - 15	PS-W-11 (to a depth of 8 ft bgs) / RAA9-J10
		15 - 20	P
		20 - 25	P
6	SB-5	0 - 1	PS-W-13
		1 - 6	PS-W-13
		6 - 15	PS-W-13 (to a depth of 8 ft bgs) P (8-15)
		15 - 20	P
		20 - 26	P
7	SB-6	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 26	P
8	SB-7	0 - 1	PS-W-15
		1 - 6	PS-W-15
		6 - 15	PS-W-15 (to a depth of 8 ft bgs) / RAA9-I9
		15 - 20	P
		20 - 25	P
9	SB-8	0 - 1	PS-W-17
		1 - 6	PS-W-17
		6 - 15	PS-W-17 (to a depth of 14 ft bgs) P (14-15)
		15 - 20	P
		20 - 25	P

**TABLE 4
PROPOSED SUPPLEMENTAL PCB SOIL INVESTIGATIONS**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Station¹	Proposed Soil Boring ID	Sample Increment (ft bgs)	PCB Analyses Summary/ Existing Data Use
10	SB-9	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 25	P
11	SB-10	0 - 1	H78B-25
		1 - 6	H78B-25
		6 - 15	H78B-25 (to a depth of 8 ft bgs) P (8-10) H78B-25 (between depths of 10 - 12 ft bgs) P (12-15)
		15 - 20	P
		20 - 25	P
12	SB-11	0 - 1	RAA9-H7
		1 - 6	RAA9-H7
		6 - 15	RAA9-H7
		15 - 20	P
		20 - 24	P
13	SB-12	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 23	P
14	SB-13	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 23	P
15	SB-14	0 - 1	RAA9-G7
		1 - 6	RAA9-G7
		6 - 15	RAA9-G7
		15 - 20	P
		20 - 23	P
16	SB-15	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 22	P
17	SB-16	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 24	P
18	SB-17	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
		20 - 25	P

**TABLE 4
PROPOSED SUPPLEMENTAL PCB SOIL INVESTIGATIONS**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Station¹	Proposed Soil Boring ID	Sample Increment (ft bgs)	PCB Analyses Summary/ Existing Data Use
19	SB-18	0 - 1	RAA9-E7
		1 - 6	RAA9-E7
		6 - 15	RAA9-E7
		15 - 20	P
		20 - 21	P
20	SB-19	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 20	P
21	SB-20	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 18	P
22	SB-21	0 - 1	P
		1 - 6	P
		6 - 15	P
		15 - 18	P
23	N/A	0 - 1	DRA-SB-1
		1 - 6	DRA-SB-1
		6 - 15	DRA-SB-1 (to a depth of 7 ft bgs) / RAA9-D8

Notes:

1. As indicated in the text, data are required from 23 locations (located approximately every 50 feet along the re-routed portions of the pipelines) to characterize the existing soils for potential use as backfill materials following installation of the re-routed pipelines.
2. ft bgs = feet below ground surface.
3. P = proposed sample to be collected and subject to analysis of PCBs.
4. N/A = Not Applicable. Existing soil sampling data will be used to characterize soils at this location.
5. Sample locations/depth increments summarized herein may be modified based on field conditions, visual observations, or other factors identified in the field.
6. Sample depths provided herein are based on information provided in Table 1.

**TABLE 5
PRE-DESIGN INVESTIGATION APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Location ID: Sample Depth(Feet): Parameter Date Collected:	RAA9-D8 1-3 06/21/06	RAA9-D8 1-6 06/21/06	RAA9-E7 0-1 01/05/05	RAA9-H7 0-1 01/10/05	RAA9-H7 6-15 01/10/05	RAA9-H7 10-12 01/10/05
Volatile Organics						
Acetone	0.0091 J	NA	ND(0.024)	ND(0.022) J	NA	ND(0.023) J
Acetonitrile	ND(1.1) J	NA	ND(0.12) J	ND(0.11) J	NA	ND(0.12) J
Tetrachloroethene	ND(0.0054) J	NA	ND(0.0060)	0.017 J	NA	ND(0.0058)
Semivolatile Organics						
Acenaphthene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Anthracene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Benzo(a)anthracene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Benzo(a)pyrene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Benzo(b)fluoranthene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Benzo(g,h,i)perylene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Benzo(k)fluoranthene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.33)	ND(0.39)	0.28 J	ND(0.37)	NA
Chrysene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Dibenzofuran	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Fluoranthene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Fluorene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Phenanthrene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Pyrene	NA	ND(0.33)	ND(0.40)	ND(0.36)	ND(0.38)	NA
Furans						
2,3,7,8-TCDF	NA	ND(0.0000038)	0.000019 Y	ND(0.0000053)	ND(0.0000069)	NA
TCDFs (total)	NA	0.0000010	0.00012	ND(0.0000055)	ND(0.0000069)	NA
1,2,3,7,8-PeCDF	NA	ND(0.0000038)	0.0000063	ND(0.0000010)	ND(0.0000011)	NA
2,3,4,7,8-PeCDF	NA	ND(0.0000038)	0.000012	ND(0.0000099)	ND(0.0000011)	NA
PeCDFs (total)	NA	ND(0.0000038)	0.000054	ND(0.0000012)	ND(0.0000011)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.0000038)	0.0000048 J	ND(0.0000079)	ND(0.0000014)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.0000038)	0.0000035 J	ND(0.0000074)	ND(0.0000013)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.0000038)	ND(0.0000060)	ND(0.0000093)	ND(0.0000016)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.0000038)	0.0000033 J	ND(0.0000081)	ND(0.0000014)	NA
HxCDFs (total)	NA	ND(0.0000038)	0.000024	ND(0.0000013)	ND(0.0000016)	NA
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000038)	0.0000068	ND(0.0000091)	ND(0.0000016)	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000038)	ND(0.0000099)	ND(0.0000011)	ND(0.0000019)	NA
HpCDFs (total)	NA	ND(0.0000038)	0.0000068	ND(0.0000011)	ND(0.0000019)	NA
OCDF	NA	ND(0.0000077)	ND(0.0000073)	ND(0.0000019)	ND(0.0000035)	NA
Dioxins						
2,3,7,8-TCDD	NA	ND(0.0000024)	ND(0.0000079)	ND(0.0000069)	ND(0.0000098)	NA
TCDDs (total)	NA	ND(0.0000024)	ND(0.0000079)	ND(0.0000069)	ND(0.0000098)	NA
1,2,3,7,8-PeCDD	NA	ND(0.0000038)	ND(0.0000013)	ND(0.0000016)	ND(0.0000018)	NA
PeCDDs (total)	NA	ND(0.0000038)	ND(0.0000019)	ND(0.0000016)	ND(0.0000018)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.0000038)	ND(0.0000082)	ND(0.0000012)	ND(0.0000022)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.0000038)	ND(0.0000074)	ND(0.0000010)	ND(0.0000020)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.0000038)	ND(0.0000075)	ND(0.0000011)	ND(0.0000020)	NA
HxCDDs (total)	NA	ND(0.0000038)	ND(0.0000012)	ND(0.0000012)	ND(0.0000022)	NA
1,2,3,4,6,7,8-HpCDD	NA	0.0000044 J	0.0000032 J	ND(0.0000014)	ND(0.0000029)	NA
HpCDDs (total)	NA	0.0000044 J	0.0000032	ND(0.0000014)	ND(0.0000029)	NA
OCDD	NA	ND(0.0000077)	0.000015	ND(0.0000045)	ND(0.0000041)	NA
Total TEQs (WHO TEFs)	NA	0.0000060	0.000011	0.0000018	0.0000024	NA

**TABLE 5
PRE-DESIGN INVESTIGATION APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Location ID: Sample Depth(Feet): Date Collected:	RAA9-D8 1-3 06/21/06	RAA9-D8 1-6 06/21/06	RAA9-E7 0-1 01/05/05	RAA9-H7 0-1 01/10/05	RAA9-H7 6-15 01/10/05	RAA9-H7 10-12 01/10/05
Inorganics						
Antimony	NA	1.18 J	ND(6.00) J	ND(6.00)	ND(6.00)	NA
Arsenic	NA	4.26 J	6.10	2.00	6.00	NA
Barium	NA	28.6 J	40.0	7.90 B	40.0	NA
Beryllium	NA	0.250 J	0.320 B	0.110 B	0.360 B	NA
Cadmium	NA	0.0662 B	0.980	ND(0.500)	0.200 B	NA
Chromium	NA	8.65	10.0	ND(3.1)	13.0	NA
Cobalt	NA	11.4	9.90	2.80 B	11.0	NA
Copper	NA	24.7 J	19.0	5.20	19.0	NA
Cyanide	NA	ND(0.190)	0.190 J	ND(0.220)	ND(0.570)	NA
Lead	NA	9.34	15.0 J	3.80	8.40	NA
Mercury	NA	0.0215 B	0.0410 B	ND(0.110)	ND(0.110)	NA
Nickel	NA	16.9	15.0	ND(5.2)	21.0	NA
Selenium	NA	ND(2.17)	0.820 B	1.20 J	3.20 J	NA
Silver	NA	ND(1.09) J	ND(1.00) J	ND(1.00)	1.40	NA
Sulfide	NA	ND(5.00)	9.60	10.0	7.20	NA
Thallium	NA	ND(1.09) J	6.20	ND(1.10) J	ND(1.10) J	NA
Tin	NA	ND(10.9)	ND(10.0)	ND(10.0)	ND(10.0)	NA
Vanadium	NA	9.04 J	11.0	3.20 B	12.0	NA
Zinc	NA	55.3	64.0 J	18.0	65.0	NA

**TABLE 5
PRE-DESIGN INVESTIGATION APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Location ID: Sample Depth(Feet): Date Collected:	RAA9-I9 0-1 01/14/05	RAA9-J10 6-8 01/12/05	RAA9-J10 6-15 01/12/05	RAA9-J11 0-1 01/21/05	RAA9-J11 1-6 01/21/05
Volatile Organics					
Acetone	ND(0.022)	ND(0.023)	NA	ND(0.023)	NA
Acetonitrile	ND(0.11) J	ND(0.11) J	NA	ND(0.12) J	NA
Tetrachloroethene	ND(0.0055)	ND(0.0057)	NA	ND(0.0058) J	NA
Semivolatile Organics					
Acenaphthene	ND(0.37)	NA	ND(0.38)	0.099 J	NA
Anthracene	ND(0.37)	NA	ND(0.38)	0.21 J	NA
Benzo(a)anthracene	0.053 J	NA	ND(0.38)	0.46	NA
Benzo(a)pyrene	0.052 J	NA	ND(0.38)	0.34 J	NA
Benzo(b)fluoranthene	0.035 J	NA	ND(0.38)	0.26 J	NA
Benzo(g,h,i)perylene	ND(0.37)	NA	ND(0.38)	0.20 J	NA
Benzo(k)fluoranthene	0.042 J	NA	ND(0.38)	0.32 J	NA
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	ND(0.37)	ND(0.38)	NA
Chrysene	0.059 J	NA	ND(0.38)	0.49	NA
Dibenzofuran	ND(0.37)	NA	ND(0.38)	0.042 J	NA
Fluoranthene	0.12 J	NA	ND(0.38)	0.97	NA
Fluorene	ND(0.37)	NA	ND(0.38)	0.094 J	NA
Indeno(1,2,3-cd)pyrene	ND(0.37)	NA	ND(0.38)	0.16 J	NA
Phenanthrene	0.070 J	NA	ND(0.38)	1.0	NA
Pyrene	0.11 J	NA	ND(0.38)	1.0	NA
Furans					
2,3,7,8-TCDF	0.0000066 Y	NA	ND(0.0000061)	0.0000027 Y	ND(0.0000053)
TCDFs (total)	0.000049	NA	0.0000028	0.000012	ND(0.0000053)
1,2,3,7,8-PeCDF	0.0000041 J	NA	ND(0.0000029)	ND(0.0000010)	ND(0.0000023)
2,3,4,7,8-PeCDF	0.0000090	NA	ND(0.0000028)	ND(0.0000099)	ND(0.0000022)
PeCDFs (total)	0.00024	NA	ND(0.0000029)	0.0000089	ND(0.0000040)
1,2,3,4,7,8-HxCDF	0.000022 J	NA	ND(0.0000022)	ND(0.0000070)	ND(0.0000040)
1,2,3,6,7,8-HxCDF	0.000023 J	NA	ND(0.0000021)	ND(0.0000014)	ND(0.0000039)
1,2,3,7,8,9-HxCDF	ND(0.0000061)	NA	ND(0.0000026)	ND(0.0000077)	ND(0.0000044)
2,3,4,6,7,8-HxCDF	0.000023	NA	ND(0.0000036) Q	ND(0.0000015)	ND(0.0000042)
HxCDFs (total)	0.00072	NA	ND(0.0000036)	0.000021	ND(0.0000044)
1,2,3,4,6,7,8-HpCDF	0.000069 J	NA	ND(0.0000018)	0.000014	ND(0.0000020)
1,2,3,4,7,8,9-HpCDF	0.000010	NA	ND(0.0000022)	ND(0.0000069)	ND(0.0000012)
HpCDFs (total)	0.00017	NA	ND(0.0000022)	0.000025	ND(0.0000027)
OCDF	0.000031	NA	ND(0.0000039)	0.000015	ND(0.0000043)
Dioxins					
2,3,7,8-TCDD	ND(0.0000053)	NA	ND(0.0000046)	ND(0.0000024)	ND(0.0000029)
TCDDs (total)	0.0000097	NA	ND(0.0000046)	ND(0.0000024)	ND(0.0000029)
1,2,3,7,8-PeCDD	ND(0.000012)	NA	ND(0.0000042)	ND(0.0000071)	ND(0.0000061)
PeCDDs (total)	ND(0.0000023)	NA	ND(0.0000042)	ND(0.0000077)	ND(0.0000061)
1,2,3,4,7,8-HxCDD	ND(0.0000015)	NA	ND(0.0000025)	ND(0.0000032)	ND(0.0000027)
1,2,3,6,7,8-HxCDD	ND(0.0000025)	NA	ND(0.0000023)	ND(0.0000057)	ND(0.0000025)
1,2,3,7,8,9-HxCDD	ND(0.0000024)	NA	ND(0.0000023)	ND(0.0000063)	ND(0.0000024)
HxCDDs (total)	0.000015	NA	ND(0.0000025)	ND(0.0000026)	ND(0.0000027)
1,2,3,4,6,7,8-HpCDD	0.000028	NA	ND(0.0000031)	0.000014	ND(0.0000042)
HpCDDs (total)	0.000054	NA	ND(0.0000031)	0.000025	ND(0.0000042)
OCDD	0.00017	NA	ND(0.0000044)	0.000078	ND(0.0000039)
Total TEQs (WHO TEFs)	0.000014	NA	0.0000040	0.0000016	0.0000066

**TABLE 5
PRE-DESIGN INVESTIGATION APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Location ID: Sample Depth(Feet): Date Collected:	RAA9-I9 0-1 01/14/05	RAA9-J10 6-8 01/12/05	RAA9-J10 6-15 01/12/05	RAA9-J11 0-1 01/21/05	RAA9-J11 1-6 01/21/05
Inorganics						
Antimony		ND(6.00)	NA	ND(6.0)	ND(6.00)	NA
Arsenic		2.10	NA	7.10	4.30	NA
Barium		24.0	NA	33.0	38.0	NA
Beryllium		ND(0.50)	NA	0.280 B	0.270 B	NA
Cadmium		ND(0.50)	NA	ND(0.50)	0.650	NA
Chromium		8.00	NA	8.90	10.0	NA
Cobalt		6.40	NA	8.90	8.00	NA
Copper		36.0	NA	40.0	40.0	NA
Cyanide		0.0700 B	NA	0.0520 B	0.230 B	NA
Lead		20.0	NA	46.0	36.0	NA
Mercury		0.0460 B	NA	ND(0.110)	0.230	NA
Nickel		12.0	NA	24.0	15.0	NA
Selenium		0.960 B	NA	1.70 J	ND(1.00)	NA
Silver		0.140 B	NA	ND(1.0)	ND(1.00)	NA
Sulfide		5.30 B	NA	ND(5.70)	5.60 B	NA
Thallium		ND(1.10)	NA	ND(1.10) J	2.80 J	NA
Tin		ND(10.0)	NA	ND(10.0)	ND(10.0)	NA
Vanadium		9.10	NA	13.0	10.0	NA
Zinc		60.0	NA	52.0	110	NA

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004)
3. NA - Not Analyzed - Laboratory did not report results for this analyte.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. 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.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- J - Indicates that the associated numerical value is an estimated concentration.
- Q - Indicates the presence of quantitative interferences.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- J - Indicates that the associated numerical value is an estimated concentration.

**TABLE 6
HISTORICAL APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Location ID:	H78B-25
Sample Depth(Feet):	10-12
Parameter	Date Collected:
	07/15/96
Volatile Organics	
Acetone	0.020 JB
Acetonitrile	0.041 J
Methylene Chloride	0.019 B
Semivolatile Organics	
None Detected	--
Furans	
2,3,7,8-TCDF	ND(0.000046)
TCDFs (total)	ND(0.000046)
1,2,3,7,8-PeCDF	ND(0.000023)
2,3,4,7,8-PeCDF	ND(0.000023)
PeCDFs (total)	ND(0.000023)
1,2,3,4,7,8-HxCDF	ND(0.000032)
1,2,3,6,7,8-HxCDF	ND(0.000032)
1,2,3,7,8,9-HxCDF	ND(0.000032)
2,3,4,6,7,8-HxCDF	ND(0.000032)
HxCDFs (total)	ND(0.000032)
1,2,3,4,6,7,8-HpCDF	ND(0.000025)
1,2,3,4,7,8,9-HpCDF	ND(0.000025)
HpCDFs (total)	ND(0.000025)
OCDF	ND(0.000074)
Dioxins	
2,3,7,8-TCDD	ND(0.000012)
TCDDs (total)	ND(0.000012)
1,2,3,7,8-PeCDD	ND(0.000047)
PeCDDs (total)	ND(0.000047)
1,2,3,4,7,8-HxCDD	ND(0.000051)
1,2,3,6,7,8-HxCDD	ND(0.000051)
1,2,3,7,8,9-HxCDD	ND(0.000051)
HxCDDs (total)	ND(0.000051)
1,2,3,4,6,7,8-HpCDD	ND(0.000028)
HpCDDs (total)	ND(0.000028)
OCDD	ND(0.000077)
Total TEQs (WHO TEFs)	0.000053

**TABLE 6
HISTORICAL APPENDIX IX+3 DATA**

**HILL 78 OPCA - SEWER RE-ROUTING
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)**

Parameter	Location ID: Sample Depth(Feet): Date Collected:	H78B-25 10-12 07/15/96
Inorganics		
Antimony		0.470 BN
Arsenic		6.20
Barium		48.9
Beryllium		0.380 B
Cadmium		ND(0.0300) N
Chromium		14.5
Cobalt		14.5 E
Copper		34.6
Cyanide		ND(0.570)
Lead		12.1 E
Mercury		ND(0.110)
Nickel		27.0 E
Selenium		ND(0.340) N
Silver		ND(0.0700)
Sulfide		ND(55.0)
Thallium		ND(0.350)
Tin		1.90 B
Vanadium		11.5
Zinc		90.6

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for Appendix IX + 3 constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. -- Indicates that all constituents for the parameter group were not detected.
4. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
5. 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.

Data Qualifiers:

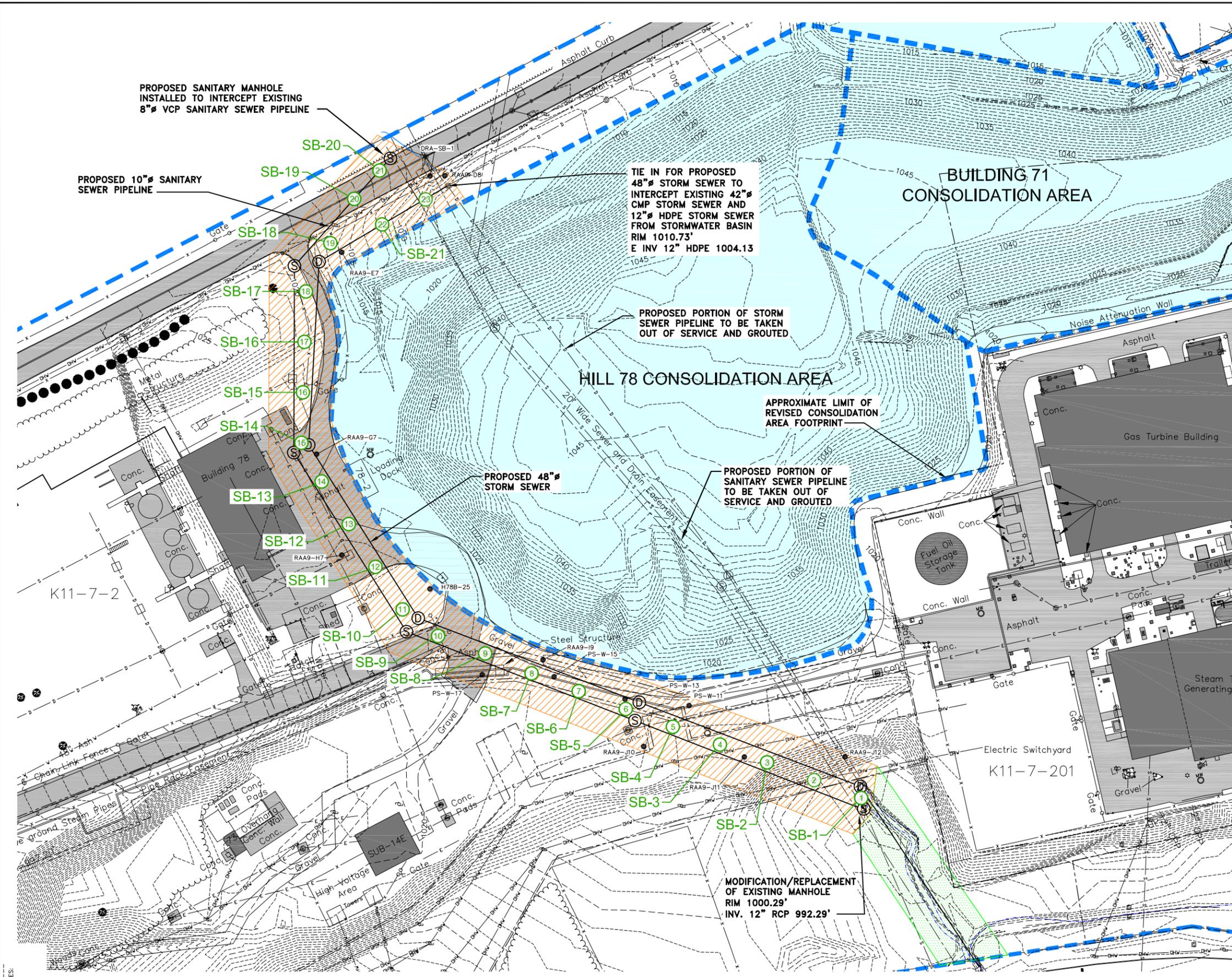
Organics (volatiles, semivolatiles, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Indicates that the associated numerical value is an estimated concentration.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- N - Indicates sample matrix spike analysis was outside control limits.
- E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.

SVR-R5-PCB-LAF-DWM-LAYER: ONX*, OFF-REF*, NOTICONSOL-APPROV, IGRD*, ISPL, UTILBAND, INSEL-TEXT
 G: CAD-GE-CAD-GE_ACTIVE\N\20404002\HILL78\REPORT\20404005.DWG - SAVED: 2/19/2007 4:44 PM LAYOUT: 1 PAGESETUP: 1
 PENTABLE: PL\FULL.CTB PRINTED: 2/27/2007 10:23 AM BY: DW02ARCZYK
 BRGUCNAME: IMAGES:
 20404X01
 20404X02



LEGEND:

- K11-7-2 PROPERTY ID
- APPROXIMATE SITE BOUNDARY
- HILL 78 AND BUILDING 71 CONSOLIDATION AREAS (NOT PART OF HILL 78 AREA-REMAINDER RAA)
- PROPERTY LINE
- EASEMENT LINE
- x --- FENCE LINE
- EDGE OF SWALE
- INDEX ELEVATION CONTOUR LINE
- INTERMEDIATE ELEVATION CONTOUR LINE
- EDGE OF WOODS
- o LIGHT POLE
- o UTILITY POLE
- o BUSH/TREE/SHRUB
- o GAS MARKER
- o MANHOLE
- o SANITARY MANHOLE
- o CATCH BASIN
- o DRAIN MANHOLE
- o ELECTRIC MANHOLE
- o WATER VALVE
- o FIRE HYDRANT
- o PROPOSED SANITARY MANHOLE
- o PROPOSED DRAIN MANHOLE
- OHW --- OVERHEAD WIRE
- S --- STORM SEWER (DRAINAGE) LINE
- E --- UNDERGROUND ELECTRIC LINE
- S --- SANITARY LINE
- W --- WATER LINE
- G --- GAS LINE
- GE-OWNED PAVED AREA
- BUILDING/STRUCTURE
- APPROXIMATE LOCATION OF 50-FOOT UTILITY BAND CENTERED ON EACH PROPOSED UTILITY (25 FEET WIDE ON EACH SIDE OF UTILITY, EXCEPT WHERE THE BOUNDARY FOR THE HILL 78 OPCA IS WITHIN 25 FEET)
- 78-7 o EXISTING PCB SOIL BORING LOCATION AND ID
- H78SS-1 o EXISTING PCB SURFACE SAMPLE LOCATION AND ID
- o SAMPLING STATION
- o SB-1 PROPOSED SOIL BORING ID

NOTE:

- MAPPING BASED ON ELECTRONIC FILE (S2149W01.DWG) OF SURVEY BY FORESIGHT LAND SERVICES, DATED 3/16/06. UTILITY LOCATIONS BASED ON AVAILABLE RECORD DATA AND VISIBLE FIELD EVIDENCE AND ARE NOT REPRESENTED AS BEING EXACT OR COMPLETE.

0 50' 100'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
 PITTSFIELD, MASSACHUSETTS
HILL 78 OPCA - SEWER RE-ROUTING

**PROPOSED AND EXISTING
 SOIL BORING LOCATIONS**

ARCADIS BBL
 infrastructure, environment, facilities

FIGURE
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