

Transmitted via Overnight Courier

GE 159 Plastics Avenue Pittsfield, MA 01201 USA

October 16, 2008

Mr. Richard Fisher United States Environmental Protection Agency 1 Congress Street, Suite 1100 (HBO) Boston, MA 02114-2023

#### Re: GE-Pittsfield/Housatonic River Site Newell Street Area II (GECD450) Summary of September 2008 Inspection Activities

Dear Mr. Fisher:

On September 18, 2008, the General Electric Company (GE) performed a post-remediation inspection of properties within Newell Street Area II. As shown on Figure 1, Newell Street Area II includes 10 recreational parcels (five of which, Parcels I9-7-1 and J9-23-1, -3, -5 and -12, are currently owned by GE). GE conducted remediation activities at all 10 of these parcels in accordance with GE's *Final Removal Design/Removal Action Work Plan for Newell Street Area II* (Final RD/RA Work Plan, March 2005), as conditionally approved by the U.S. Environmental Protection Agency (EPA) on May 12, 2005, revised in a May 25, 2005 Addendum to Final RD/RA Work Plan, and subsequently modified through a number of additional submittals approved by EPA. These remediation activities were completed in July 2006. In addition, GE conducted restoration actions at these properties, including natural resource restoration/enhancement (NRRE) activities at the GE-owned Newell Street parking lot area (Parcel J9-23-12).

Previous post-remediation inspections of these properties were performed in November 2006, May 2007, October 2007, and May 2008; and reports on those inspections were submitted to EPA. Those inspections were conducted in accordance with the Post-Removal Site Control Plan set forth in Section 8.3 of the March 2005 Final RD/RA Work Plan. (GE also has a separate Restoration Project Monitoring and Maintenance Plan for the NRRE measures at the Newell Street parking lot area, which was included in the Addendum to the Final RD/RA Work Plan. The inspections required by that plan began in June 2007.)

The September 2008 inspection activities were conducted in accordance with the above-referenced Post-Removal Site Control Plan, as modified and supplemented with a number of activities based on discussions between GE and EPA relating to a draft Final Completion Report (FCR) for the Newell Street Area II Removal Action. This inspection included observations of areas where engineered barriers were installed, areas that were backfilled and restored during the implementation of the remediation actions, and the vegetation that was planted as part of restoration activities.

#### **Summary of Inspection Activities**

The September 2008 inspection included visual observations of the engineered barrier surfaces to assess the general condition of these areas. Specifically:

- Vegetative engineered barriers were visually inspected for the following conditions as they could affect the integrity of the barriers: (a) evidence of topsoil erosion; (b) establishment and coverage of vegetation (e.g., bare or sparsely vegetated areas); (c) absence of the soil layer overlying the synthetic cover components (e.g., excessive erosion, surface water ponding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities); (d) the damage to synthetic cover components; (e) uneven settlement relative to surrounding areas; (f) the proper functioning of any associated surface water diversions; (g) the condition of fencing; and (h) any evidence of animal burrow, unauthorized excavation, or other conditions that could jeopardize the integrity of the engineered barrier.
- Asphalt-covered portions of the engineered barrier (i.e., a portion of the access road) were visually inspected for the following conditions as they would affect the integrity of the barrier: (a) excessive cracking, fissures, spalling, or potholes; (b) evidence of depressions and/or surface water ponding, excessive rutting, or exposed subbase materials; and (c) the condition of perimeter drainage system discharge locations (e.g., evidence of blockage).

In addition, the September 2008 inspection included visual observations of the backfilled/restored areas, focusing on the following: (a) any areas where excessive settlement has occurred relative to the surrounding areas; (b) any drainage or growth problems; (c) areas susceptible to erosion as a result of the remediation activities (including the areas specifically identified on the attached inspection checklists); and (d) other conditions that could jeopardize the performance of the completed remediation actions.

The September 2008 inspection also included observations of the grass/herbaceous covers to assess the condition of the vegetation, including any evidence of stressed or sparse cover, and to ensure that the vegetation is growing as anticipated and providing the desired degree of erosion control. In addition, the September 2008 inspection included observations of the trees and shrubs planted as part of restoration activities to ensure that they are in good general health. Figure 2 contains the Restoration Planting Plan for the trees and shrubs that were planted as part of the restoration activities, and also provides information regarding replanted trees and shrubs, including the species planted and their respective installation dates. Observations of these plantings included a stem count (quantity per species per planting area) of planted trees/shrubs in good health and a stem count of trees/shrubs that were dead or dying or showing evidence of stress, if any, within each planting area. The results of these observations were used to evaluate if the trees/shrubs are surviving at a frequency of 100% of the original planted quantity specified on the Restoration Planting Plan. Additionally, each tree/shrub observed was measured to determine the average height and range of heights of each species of tree/shrub within each planting area. In conjunction with the tree and shrub observations, GE inspected tree cages, tree guards, and tree stakes (where present) to ensure that these items were functioning to protect the trees/shrubs from damage.

Finally, the September 2008 inspection included observations of parcels/areas at which the need for followup maintenance activities had been identified during the prior (May 2008) inspection, as described in GE's June 27, 2008 report on that inspection. These activities included:

- Monitoring woodchuck burrow holes on Parcel J9-23-1;
- Removing the two metal brackets inserted into vegetative engineered barrier adjacent to the entrance gate on Parcel J9-23-8;

- Repairing sinkhole adjacent to the riverbank on Parcel J9-23-8;
- Re-seeding/fertilizing the herbaceous cover on Parcels J9-23-8 and J9-23-12;
- Removing excess mulch and erosion control matting on Parcel J9-23-12;
- Mowing the NRRE areas on Parcel J9-23-12 in fall 2008;
- Removing saplings from the swale in areas where the liner is present on the City of Pittsfield property;
- Repairing the rip-rap drainage swale outlet on the City of Pittsfield property;
- Removing debris adjacent to sewer manhole on the City of Pittsfield property;
- Installing 14 eastern cottonwoods in Planting Area 1;
- Installing 1 lowbush blueberry in Planting Area 3;
- Installing 3 box elders in Planting Area 5;
- Installing 4 eastern cottonwoods in Planting Area 6;
- Installing 1 northern red oak in Planting Area 14;
- Installing 1 box elder in Planting Area 15;
- Installing 3 red maples in Planting Area 16;
- Installing 1 northern red oak in Planting Area 18;
- Installing 1 red maple in Planting Area 20;
- Installing 1 red/common elderberry in Planting Area 22;
- Installing 2 red maples in Planting Area 23;
- Adding topsoil to the base of 2 eastern cottonwoods in Planting Area 27;
- Monitoring stressed trees/shrubs in Planting Areas 6, 10, 12, 23, and 24;
- Installing tree guards in Planting Areas 6, 15, 17, 19, 23 and 28; and
- Repairing a tree guard in Planting Area 19.

It was determined that all of the above-listed repair and replanting activities had been completed prior to the September 2008 inspection, with the exception of installing one lowbush blueberry in Planting Area 3, one northern red oak in Planting Area 14, one red maple in Planting Area 20, and mowing the NRRE areas on Parcel J9-23-12. The lowbush blueberry in Planting Area 3 was inadvertently not installed and will be installed in fall 2008. The northern red oak in Planting Area 14 that was previously indicated as dead was observed to be alive, and therefore no replacement tree was planted. The red maple in Planting Area 20 was inadvertently not installed and will be installed in fall 2008. The northern cottonwood was installed in Planting Area 6 in July 2008 (5 were planted rather than 4 as indicated in the May 2008 inspection).

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The results of the September 2008 inspection are provided in an Inspection Summary and Checklist for each property subject to inspection. The forms used in this inspection are those that were developed for inclusion in the draft FCR. The completed inspection forms are provided in Attachment A, and documentation of tree/shrub observations is provided in tables in Attachment B. The tables in Attachment B list, for each species within each planting area, the number of tree/shrubs observed, the height of each individual tree/shrub counted, the condition of each tree/shrub counted, and the condition of the associated tree guard, cage, or stakes (where present).

#### **Summary of Observations During Inspection**

As indicated on the forms in Attachment A, the September 2008 inspection showed that the engineered barriers were in good condition, and that the backfilled/restored areas were likewise in good condition with the following exceptions:

- A woodchuck burrow hole was observed in the wooded area on Parcel J9-23-12; and
- The eastern half of the drainage swale on the City of Pittsfield property was observed to be filled with water.

The results of the tree/shrub counting, measuring, and observation activities at the planting areas are presented in detail in the tables in Attachment B. These results are summarized in the following table:

	Tree/Shrub Count and Observation Results									
Planting Area	Species	Planted per Planting Plan (or Replanted) <sup>1</sup>	Extra <sup>2</sup>	Observed in Good Health	Observed Dead/ Stressed <sup>3</sup>	Not Observed	Avg Height (ft.)	Range of Heights (ft.)	Percent in Good Hcalth (%) <sup>4</sup>	Percent Survival (%) <sup>5</sup>
1	Eastern Cottonwood	32 (14)	1	32	0/1	0	4.9	3-7	100	>100
2	Red Maple	1	0	1	0/0	0	3.0	-	100	100
3	Red or Common Elderberry	20	0	9	4/3	4	2.9	2-4	45	60
-	Lowbush Blueberry	10	0	6	0/0	4	1.0	I-1	60	60
4	Box Elder	12	0	6	2/4	0	4,1	1-7	50	83
5	Box Elder	14 (3)	0	11	1/1	1	4.9	1-7	79	86
6	Eastern Cottonwood	28 (5)	2	29	1/0	0	3.9	1-8	>100	>100
7	Black Cherry	2	0	2	0/0	0	6.0	6-6	100	100
8	Crack Willow	12	0	12	0/0	0	6.8	3-11	100	100
9	Black Cherry	12	2	14	0/0	0	5.4	3-7	>100	>100
10	Red Maple	7	2	8	1/0	0	1.5	1-3	>100	>100
11	Box Elder	3	0	3	0/0	0	5.3	4-6	100	100
12	Red or Common Elderberry	8	0	4	3/1	0	3.4	3-4	50	63

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Planting Area	Species	Planted per Planting Plan (or Replanted) <sup>1</sup>	Extra <sup>2</sup>	Observed in Good Health	Observed Dead/ Stressed <sup>3</sup>	Not Observed	Avg Height (ft.)	Range of Heights (ft.)	Percent in Good Health (%) <sup>4</sup>	Percent Surviva (%) <sup>5</sup>
13	Eastern Cottonwood	1	0	1	0/0	0	5.0	-	100	100
14	Northern Red Oak	3	0	3	0/0	0	6.3	2-9	100	100
15	Box Elder	10(1)	0	2	4/4	0	3.5	2-6	20	60
16	Red Maple	4 (3)	0	3	0/0	1	3.0	3-3	75	75
17	Box Elder	10	1	1	6/4	0	2.6	1-3	10	50
18	Northern Red Oak	3 (1)	0	3	0/0	0	6.0	4-7	100	100
19	Eastern Cottonwood	6	0	5	0/1	0	3.2	1-7	83	100
20	Red Maple	2	0	1	0/0	I	3.0		50	50
21	Box Elder	2	0	1	1/0	0	3.0	-	50	50
22	Red or Common Elderberry	6 (1)	0	1	4/0	1	1.0	-	17	17
23	Red Maple	5 (2)	0	2	0/3	0	2.2	1-3	40	100
	Box Elder	0	4	4	0/0	0	2.8	2-3	NA	NA
24	Lowbush Blueberry	10	0	9	0/1	0	1.0	I-1	90	100
	Red or Common Elderberry	20	0	4	10/6	0	2.1	1-3	20	50
	Red Osier Dogwood	1	0	l	0/0	0	4.0	-	100	100
25	Red or Common Elderberry	1	0	0	1/0	0	-	-	0	0
26	Box Elder	4	0	4	0/0	0	5.3	4-6	100	100
27	Eastern Cottonwood	2	0	2	0/0	0	5.5	5-6	100	100
28	Box Elder	20	1	21	0/0	0	5.5	4-7	>100	>100
29	Slippery Elm	3	0	3	0/0	0	5.3	5-6	100	100

Notes:

1. The quantity of each species listed in this column corresponds to the planted quantity identified on Figure 2, including any replanted trees (number shown in parentheses).

2. This column lists additional trees/shrubs observed beyond those specified on Figure 2. These consist of additional trees/shrubs planted by GE on a number of occasions.

3. This column lists the number of dead trees/shrubs observed and then the number of trees/shrubs that were not dead but were stressed.

4. This column shows the percentage of trees/shrubs that were in good condition relative to the original planted quantity specified on Figure 2.

5. This column shows the percentage of trees/shrubs that were alive (including stressed plants) relative to the original planted quantity.

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The results of the tree/shrub counting and observation activities indicated that 12 of the 29 planting areas have a percent survivorship of less than 100% (for at least one species) relative to the planted quantity specified in the Restoration Planting Plan. In addition, as shown on the attached forms and tables, the tree/shrub inspection indicated that trees/shrubs in Planting Areas 2, 3, 19, 22, 24, and 28 require the installation or repair of tree guards/cages.

#### **Maintenance/Replanting Activities**

Based on the September 2008 inspection, the following maintenance, repair, replanting, and monitoring activities were identified:

- Monitor woodchuck hole on Parcel J9-23-12 to ensure that it does not jeopardize the integrity of the engineered barrier;
- Monitor drainage swale on the City of Pittsfield property;
- Install 8 common elderberry (Sambucus canadensis) in Planting Area 3;
- Install 4 lowbush blueberry (Vaccinium angustifolium) in Planting Area 3;
- Install 2 box elders (Acer negundo) in Planting Area 4;
- Install 2 box elders in Planting Area 5;
- Install 3 common elderberry in Planting Area 12;
- Install 4 box elders in Planting Area 15;
- Install 1 red maple (Acer rubrum) in Planting Area 16;
- Install 5 box elders in Planting Area 17;
- Install 1 red maple in Planting Area 20;
- Install 1 box elder in Planting Area 21;
- Install 5 common elderberry in Planting Area 22;
- Install 10 common elderberry in Planting Area 24;
- Install 1 common elderberry in Planting Area 25;
- Monitor stressed trees/shrubs in Planting Areas 1, 3, 4, 5, 12, 15, 17, 19, 23, and 24;
- Install larger tree guard on the red maple in Planting Area 2;
- Install tree guard on a lowbush blueberry in Planting Area 3;
- Adjust tree guard on a red/common elderberry in Planting Area 3;
- Install tree guard on an eastern cottonwood in Planting Area 19;
- Install tree guard on a red/common elderberry in Planting Area 22;

- Adjust tree guard on a red/common elderberry in Planting Area 24; and
- Install stake on a tree guard on a box elder in Planting Area 28.

Five of these activities have already been completed: (1) installation of a larger tree guard on the red maple in Planting Area 2 (completed September 29, 2008); (2) installation of a tree guard on a lowbush blueberry in Planting Area 3 (completed September 29, 2008); (3) adjusting a tree guard around a red/common elderberry in Planting Area 3 (completed September 25, 2008); (4) adjusting a tree guard around red/common elderberry in Planting Area 24 (completed September 25, 2008); and (5) installation of a stake on a tree guard on a box elder in Planting Area 28 (completed September 25, 2008). The remaining activities identified above will be completed in fall 2008.

The replanted trees/shrubs will be installed in accordance with the previously approved planting plan with the EPA-approved modification that all trees will be installed with tree guards. GE will equip replanted trees and shrubs with a tag identifying the species of tree or shrub, the installation date, and the general size at the time of installation. GE will also revise the Restoration Planting Plan on Figure 2 to include the species planted and their respective installation dates. The revised Figure 2 will serve as the basis for the next inspection and will be submitted to EPA.

Finally, it should be noted that many of the plantings that were observed to be dead or stressed in the September 2008 inspection were red or common elderberries. As a result, GE will pay close attention to the condition of the existing and newly planted red/common elderberries during the next inspection. If that inspection indicates that these shrubs continue to be in overall poor condition or even worse condition, GE will discuss with EPA the possibility of replanting a different species of shrub in the future.

#### Schedule for Future Inspections

In accordance with the above-referenced Post-Removal Site Control Plan, as well as discussions between GE and EPA relating to the FCR, the engineered barrier areas will be inspected twice per year (subject to EPA approval of a different frequency) to assess the integrity of the barriers, and the backfilled/restored areas will be inspected annually in August or September (subject to EPA, the restored vegetation (including the plantings installed in 2006 and those installed in May and July 2008) will be inspected again in May and August or September 2009 and in May 2010). The trees and shrubs to be planted in fall 2008 will be inspected on those occasions and in August or September 2010 to complete the two-year monitoring period for those plantings.

Future inspections will utilize the Inspection Summary and Checklist forms included herein or, when applicable, the forms in the EPA-approved final FCR. Within 30 days following each inspection, an inspection report will be prepared and submitted to EPA.

Finally, the NRRE plantings and structures in the Newell Street parking lot area will be inspected at the frequencies required by GE's Restoration Project Monitoring and Maintenance Plan, as described further in GE's August 27, 2008 letter report on its July 28, 2008 inspection of the NRRE measures (approved by the Natural Resource Trustees on September 8, 2008).

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Please call me if you have any comments or questions.

Sincerely

Richard W. Gates, EGB

Richard W. Gates Remediation Project Manager

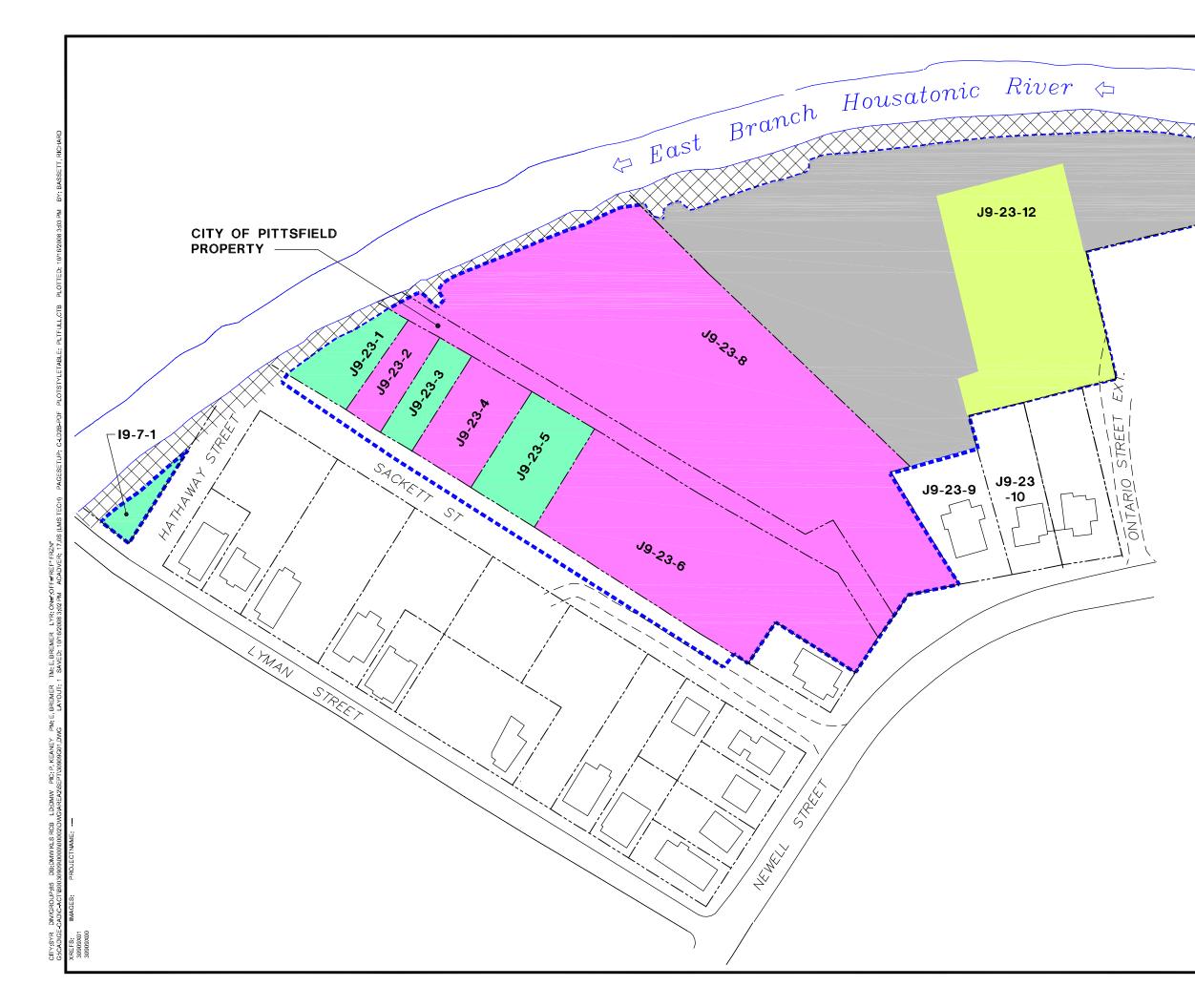
#### Attachments

cc: Dean Tagliaferro, EPA Tim Conway, EPA Holly Inglis, EPA Rose Howell, EPA\*
K.C. Mitkevicius, USACE Michael Gorski, MDEP (2 copies) Susan Steenstrup, MDEP Anna Symington, MDEP\*
Jane Rothchild, MDEP\*
Linda Palmieri, Weston (2 copies) Nancy E. Harper, MA AG\*
Dale Young, MA EOEEA Mayor James Ruberto, City of Pittsfield Pittsfield Department of Health Barbara Landau, BCK Law Michael Carroll, GE\* Roderic McLaren, GE\* Peter Wojcik, GE\* James Nuss, ARCADIS James Bieke, Goodwin Procter Charles Nicol, Northeast Utilities Robert Dvorchik, WMECo Salvatore Giuliano, WMECo John Tulloch, WMECo Public Information Repositories GE Internal Repository

\*cover letter only

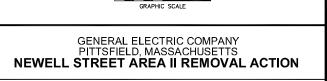
# ARCADIS

Figures





## SITE PLAN





TAX ASSESSORS' PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH SEPTEMBER 5, 1997.

THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS.



NOTES:

#### LEGEND:

- APPROXIMATE EDGE OF WATER

- PAVED ROADWAY
- ---- UNPAVED ROADWAY OR TRAIL

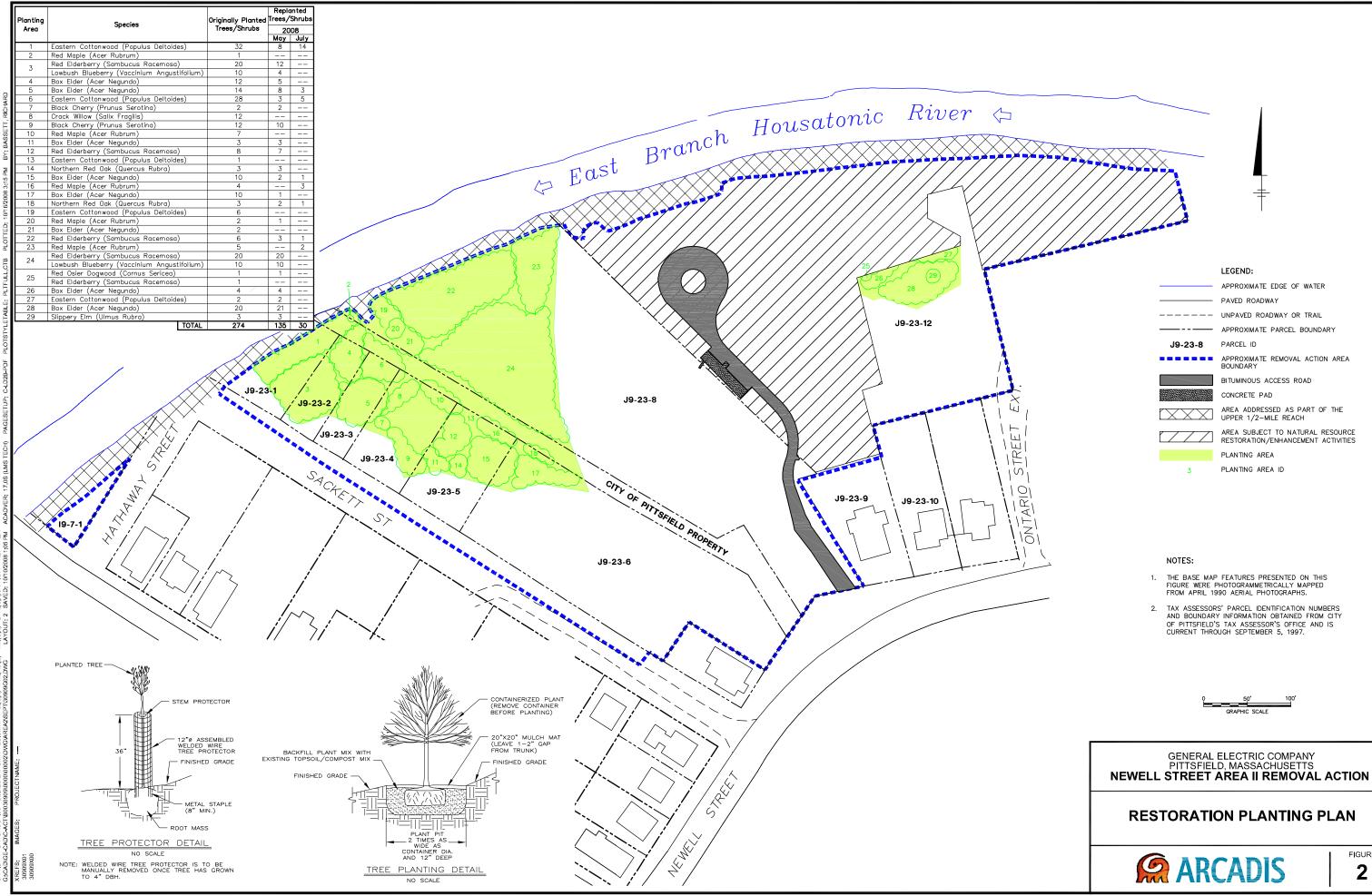
  - APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
  - GE PARKING LOT AREA
  - RECREATIONAL PROPERTY (GE OWNED)

RECREATIONAL PROPERTY (NON-GE OWNED)

GE-OWNED WOODED AREA

AREA ADDRESSED AS PART OF THE UPPER 1/2-MILE REACH

# J9-23-8 PARCEL ID





APPROXIMATE EDGE OF WATER

BITUMINOUS ACCESS ROAD AREA ADDRESSED AS PART OF THE

AREA SUBJECT TO NATURAL RESOURCE RESTORATION/ENHANCEMENT ACTIVITIES

- AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE AND IS CURRENT THROUGH SEPTEMBER 5, 1997.

## **RESTORATION PLANTING PLAN**

FIGURE

2

## ARCADIS

Attachments

## ARCADIS

Attachment A

Completed Inspection Forms

		INSPECTION SUMMARY AND CHECKLIST
		NEWELL STREET AREA II REMOVAL ACTION
		PARCEL I9-7-1
I. G	ENERAL INFORMATION	
Con Wea	ection Date: ducted By/Phone Number: ther Conditions: of Last Inspection:	9/18/2008 Gregg Rabasco/ (413) 822-1184 Sunny, 65°F 5/30/2008
<u>11. 11</u> 1. -	•	e Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- engineered barrier plan included in Appendix E of that document have been reviewed.
2.	Engineered Barriers - Ch Vegetative Asphalt-Covered	neck applicable barrier types for this parcel and complete inspection for each:
Α.	erosion; bare or sparsely v erosion, surface water pon synthetic cover component	arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to ts; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
-	N/A	
В.	excessive cracking, fissure	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
-	N/A	
3.	settlement, soil erosion, dra	d Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive ainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
-	All areas in good condition.	
4.	stressed/sparse cover], oth stakes; review the restorati	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of ner landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree ion planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent as and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
-		ondition. (No trees/shrubs planted.)
<u> </u>		

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL 19-7-1
II. I	INSPECTION SUMMARY (continued)
5.	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)
-	N/A
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other
	general observations, including parcel-specific restoration activities.)
-	None
	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES
-	None
-	

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-1
I. GENERAL INFORMATION	
Inspection Date:	<u>9/18/2008</u>
Conducted By/Phone Number:	Gregg Rabasco/ (413) 822-1184
Weather Conditions:	Sunny, 65°F
Date of Last Inspection:	5/30/2008
II. INSPECTION SUMMARY	
	Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as-
	ngineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
2. Engineered Barriers - Ch	eck applicable barrier types for this parcel and complete inspection for each:
2. Engineered Barners - Ch Vegetative	eck applicable barrier types for this parcer and complete inspection for each.
Asphalt-Covered	
erosion; bare or sparsely ve erosion, surface water pone synthetic cover component	Irriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ling, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to s; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
- N/A	
excessive cracking, fissure	red Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	I Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive ninage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
<ul> <li>All areas in good condition.</li> </ul>	
A Manatation Anaga (Mata a	
stressed/sparse cover], oth stakes; review the restorati	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of er landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree on planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent s and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	
	e included in Tables B-1 (Planting Area 1) and B-3 and B-4 (Planting Area 3):
	in Planting Area 1 observed to be in good condition; 1 observed to be stressed.
* 9 Red/Common Elderber to be dead; and 4 not loca	ry plantings in Planting Area 3 observed to be in good condition; 3 observed to be stressed; 4 observed
	ated. ntings in Planting Area 3 observed to be in good condition; 4 not located.
	djusted on one Red/Common Elderberry and one Lowbush Blueberry needs a tree guard.
The guard needs to be a	gasta on one rica/common Enclosery and one Ecologian Didoberry needs a free guard.

#### NEWELL STREET AREA II REMOVAL ACTION

PARCEL J9-23-1

#### II. INSPECTION SUMMARY (continued)

5. Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)

N/A

6. Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)

Woodchuck burrow holes have not jeopardized the integrity of the engineered barrier.

14 Eastern Cottonwood trees were replanted in Planting Area 1 in July 2008.

#### III. FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES

Install 8 Red/Common Elderberry bushes in Planting Area 3.

Install 4 Lowbush Blueberry bushes in Planting Area 3 (1 identified in May 2008 inspection but was inadvertently not planted).

Monitor stressed Eastern Cottonwood in Planting Area 1, and 3 stressed Red/Common Elderberry plantings in Planting Area 3.

Adjust tree guard on one Red/Common Elderberry and replace tree guard on one Lowbush Blueberry (both completed September 2008).

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-2
I. GENERAL INFORMATION	
Inspection Date:	9/18/2008
Conducted By/Phone Number:	Gregg Rabasco/ (413) 822-1184
Weather Conditions:	Sunny, 65°F
Date of Last Inspection:	5/30/2008
II. INSPECTION SUMMARY	
built survey drawings and e	e Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- engineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
2. Engineered Barriers - Ch	neck applicable barrier types for this parcel and complete inspection for each:
Lingineered barners - On     Vegetative     Asphalt-Covered	
erosion; bare or sparsely v erosion, surface water pon synthetic cover component	arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to ts; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
- N/A	
excessive cracking, fissure	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	d Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive ainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
<ul> <li>All areas in good condition.</li> </ul>	
4. Vegetation Areas (Note al	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of
stressed/sparse cover], oth stakes; review the restorati	the relandscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree ion planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent as and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	
	e included in Tables B-3 and B-4 (Planting Area 3) (also shown on the checklist for Parcel J9-23-1)
and B-5 (Planting Area 4):	
	rry plantings in Planting Area 3 observed to be in good condition; 3 observed to be stressed; 4 observed
to be dead; 4 not located	
	ntings in Planting Area 3 observed to be in good condition; 4 not located. Area 4 observed to be in good condition; 4 observed to be stressed; 2 observed to be dead.
	adjusted on one Red/Common Elderberry and one Lowbush Blueberry needs a tree guard.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-2
II.	INSPECTION SUMMARY (continued)
5.	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)
6. -	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.) None
	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES
	Maintenance activities for Planting Area 3 are identified on the checklist for Parcel J9-23-1.
-	Install 2 Box Elders in Planting Area 4.
_	Monitor 4 stressed Box Elders in Planting Area 4.

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	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-3
I. GENERAL INFORMATION	
Inspection Date: Conducted By/Phone Number: Weather Conditions: Date of Last Inspection:	9/18/2008 Gregg Rabasco/ (413) 822-1184 Sunny, 65°F 5/30/2008
II. INSPECTION SUMMARY	
1. Confirm that Figure 3 of the	Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- ngineered barrier plan included in Appendix E of that document have been reviewed.
2. Engineered Barriers - Cha Vegetative Asphalt-Covered	eck applicable barrier types for this parcel and complete inspection for each:
erosion; bare or sparsely ve erosion, surface water pono synthetic cover components	<b>Triers</b> (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ling, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to s; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
- N/A	
excessive cracking, fissures materials; the condition of p	red Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive inage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
- All areas in good condition.	
stressed/sparse cover], othe stakes; review the restoration	by physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of er landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree on planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent s and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	
	ded in Tables B-6 (Planting Area 5) and B-7 (Planting Area 6):
	Area 5 observed to be in good condition; 1 observed to be stressed; 1 observed to be dead; 1 not located.
	n Planting Area 6 observed to be in good condition; 1 observed to be dead, but does not affect
percent survival relative to	
<ul> <li>All existing tree guards and</li> </ul>	tree cages were in good condition.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-3
	NSPECTION SUMMARY (continued)
5. -	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other
	general observations, including parcel-specific restoration activities.)
-	3 Box Elders were installed in Planting Area 5 in July 2008. 5 Eastern Cottonwoods were installed in Planting Area 6 in July 2008 (1 extra was planted).
-	Tree guard on Eastern Cottonwood in Planting Area 6 was installed in July 2008.
-	nee guard on Eastern Collonwood in Flanding Area o was installed in July 2006.
	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES
	Install 2 Box Elders in Planting Area 5.
-	Monitor stressed Box Elder in Planting Area 5.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-4
I. GENERAL INFORMATION	
la su satis a Deter	0/40/0000
Inspection Date: Conducted By/Phone Number:	<u>9/18/2008</u> Gregg Rabasco/ (413) 822-1184
Weather Conditions:	Sunny, 65°F
Date of Last Inspection:	5/30/2008
Date of Last inspection.	3/30/2000
II. INSPECTION SUMMARY	
	Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as-
	ngineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
2. Engineered Barriers - Ch	eck applicable barrier types for this parcel and complete inspection for each:
Vegetative	
Asphalt-Covered	
erosion; bare or sparsely ve erosion, surface water pono synthetic cover components	Arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil agetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to s; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
- N/A	
P. Acabalt Covered Enginee	red Barriers (Note any physical changes since last inspection; note evidence of any of the following:
excessive cracking, fissures	s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive inage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
<ul> <li>All areas in good condition.</li> </ul>	
4. Vegetation Areas (Note ar	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of
stressed/sparse cover], oth stakes; review the restoration survivorship of planted tree	er landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree on planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent s and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
Vegetative cover in good co     Tree/shrub observations are	ondition. e included in Tables B-8 through B-11 (Planting Areas 7 through 10):
	7, 8, and 9 observed to be in good condition.
	Area 10 observed to be in good condition; 1 observed to be dead, but does not affect original planted
quantity.	
<ul> <li>All observed tree guards/ca</li> </ul>	ges were in good condition.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-4
	INSPECTION SUMMARY (continued)
5. -	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)
_	
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)
-	None
	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES
-	None
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	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-5
I. GENERAL INFORMATION	
Inspection Date:	9/18/2008
Conducted By/Phone Number:	Gregg Rabasco/ (413) 822-1184
Weather Conditions: Date of Last Inspection:	Sunny, 65°F 5/30/2008
Date of Last Inspection.	5/50/2008
II. INSPECTION SUMMARY	
	e Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as-
	engineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
2. Engineered Barriers - Ch	neck applicable barrier types for this parcel and complete inspection for each:
2. Engineered Barners - Ch	
Asphalt-Covered	
erosion; bare or sparsely ve erosion, surface water pone synthetic cover component diversions; the condition of	arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to is; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
- N/A	
excessive cracking, fissure	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	<b>J Areas</b> (Note any physical changes since last inspection; note evidence of any of the following: excessive ainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
<ul> <li>All areas in good condition.</li> </ul>	
stressed/sparse cover], oth stakes; review the restorati	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of ner landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree ion planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent as and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	
	e included in Tables B-12 through B-17 (Planting Areas 11 through 16):
	s 11, 13, and 14 observed to be in good condition.
	y in Planting Area 12 observed to be in good condition; one observed to be stressed; 3 observed to be dead.
	Area 15 observed to be in good condition; 4 observed to be stressed; 4 observed to be dead.
	Area 16 observed to be in good condition; one not located.
<ul> <li>All observed tree guards/ca</li> </ul>	iges in good condition.

#### NEWELL STREET AREA II REMOVAL ACTION

PARCEL J9-23-5

#### II. INSPECTION SUMMARY (continued)

5. Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)

N/A

6. Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)

One Northern Red Oak in Planting Area 14 was observed to be healthy at the time of tree installation, replacement tree was not installed. One Box Elder was installed in Planting Area 15.

One Box Elder was installed in Planting Area 15.

3 Red Maples were installed in Planting Area 16. 6 tree guards were installed in Planting Area 15.

o tree guards were installed in Flanting Area 15.

#### III. FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES

Install 3 Red/Common Elderberry bushes in Planting Area 12.

Monitor the stressed Red/Common Elderberry in Planting Area 12.

Install 4 Box Elders in Planting Area 15.

Monitor 4 stressed Box Elders in Planting Area 15.

Install one Red Maple in Planting Area 16.

	INSPECTION SUMMARY AND CHECKLIST			
	NEWELL STREET AREA II REMOVAL ACTION			
	PARCEL J9-23-6			
I. GENERAL INFORMATION				
	0/40/2020			
Inspection Date: Conducted By/Phone Number:	9/18/2008 Gregg Rabasco/ (413) 822-1184			
Weather Conditions:	Sunny, 65°F			
Date of Last Inspection:	5/30/2008			
II. INSPECTION SUMMARY				
-	e Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- engineered barrier plan included in Appendix E of that document have been reviewed.			
- Confirmed				
2. Engineered Barriers - Ch	neck applicable barrier types for this parcel and complete inspection for each:			
X Vegetative				
Asphalt-Covered	arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil			
	regetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive			
erosion, surface water pon	ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to			
	ts; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water			
	f fencing; animal burrows; unauthorized excavation; etc.)			
<ul> <li>All areas in good condition.</li> </ul>				
B. Asphalt-Covered Enginee	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following:			
	es, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase			
	perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)			
- N/A				
3 Other Backfilled/Restored	d Areas (Note any physical changes since last inspection: note evidence of any of the following: excessive			
	a Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive ainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road,			
	unauthorized uses of areas, etc.)			
<ul> <li>All areas in good condition.</li> </ul>	· · · · · · · · · · · · · · · · · · ·			
	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of ner landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree			
	ion planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent			
	es and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)			
- Vegetative cover in good c	ondition.			
<ul> <li>Tree observations are inclu</li> </ul>	uded in Tables B-18 (Planting Area 17) and B-19 (Planting Area 18):			
	g Area 17 observed to be in good condition; 4 observed to be stressed; 6 observed to be dead.			
	18 observed to be in good condition.			
<ul> <li>All observed tree guards/ca</li> </ul>	ages in good condition.			

	INSPECTION SUMMARY AND CHECKLIST		
	NEWELL STREET AREA II REMOVAL ACTION		
	PARCEL J9-23-6		
II.	INSPECTION SUMMARY (continued)		
5.	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)		
-	N/A		
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)		
-	One Northern Red Oak was installed in Planting Area 18 in July 2008.		
-	10 tree guards were installed in Planting Area 17.		
III.	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES		
-	Install 5 Box Elders in Planting Area 17.		
	Monitor 4 stressed Box Elders in Planting Area 17.		
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	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-8
I. GENERAL INFORMATION	
Inspection Date:	9/18/2008
Conducted By/Phone Number:	Gregg Rabasco/ (413) 822-1184
Weather Conditions:	Sunny, 65°F
Date of Last Inspection:	5/30/2008
II. INSPECTION SUMMARY	
	Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- ngineered barrier plan included in Appendix E of that document have been reviewed.
2. Engineered Barriers - Che X Vegetative Asphalt-Covered	eck applicable barrier types for this parcel and complete inspection for each:
erosion; bare or sparsely ve erosion, surface water pond synthetic cover components	<b>triers</b> (Note any physical changes since last inspection; note evidence of any of the following: topsoil getated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ling, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to s; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
<ul> <li>All areas in good condition.</li> </ul>	
excessive cracking, fissures	red Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase erimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil erosion, dra	<b>Areas</b> (Note any physical changes since last inspection; note evidence of any of the following: excessive inage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, inauthorized uses of areas, etc.)
- All areas in good condition.	
stressed/sparse cover], othe stakes; review the restoration	y physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of er landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree on planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent is and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	ndition.
<ul> <li>Tree/shrub observations are</li> </ul>	e included in Tables B-20 through B-27 (Planting Areas 19 through 24):
* 5 Eastern Cottonwood in F	Planting Area 19 observed to be in good condition; 1 observed to be stressed.
* One Red Maple in Planting	g Area 20 observed to be in good condition; 1 not located.
	Area 21 observed to be in good condition; 1 observed to be dead.
	erry planting in Planting Area 22 observed to be in good condition; 4 observed to be dead; 1 not located.
	Area 23 observed to be in good condition; 3 observed to be stressed.
	/ plantings in Planting Area 24 observed to be in good condition; 6 observed to be stressed; 10 observed
to be dead.	
	tings in Planting Area 24 observed to be in good condition; 1 observed to be stressed.
	Planting Area 19 requires a tree guard; 1 Red/Common Elderberry in Planting Area 22 requires a needs to be adjusted on 1 Red/Common Elderberry planting in Planting Area 24.

	INSPECTION SUMMARY AND CHECKLIST			
	NEWELL STREET AREA II REMOVAL ACTION			
	PARCEL J9-23-8			
	ECTION SUMMARY (continued)			
inc of a 8 a we out acc dis thic	eas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, luding drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23- and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the sternmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage tlet on Parcel J9-23-12; the drainage swale and three drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the cess road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or charges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap ckness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)			
- All	areas in good condition.			
6. Otł	her Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other			
gei	neral observations, including parcel-specific restoration activities.)			
- Sin	khole observed near top of riverbank was repaired.			
- On	e Red/Common Elderberry planting was installed in Planting Area 22.			
- 2 R	Red Maple trees were installed in Planting Area 23 in July 2008.			
- Tre	e guards were repaired and installed, as needed, in Planting Areas 19 and 23.			
III. FOL	LOW-UP MAINTENANCE AND REPAIR ACTIVITIES			
- Ins	tall 1 Red Maple tree in Planting Area 20 that was identified in the May 2008 inspection.			
- Ins	tall 1 Box Elder in Planting Area 21.			
- Ins	tall 5 Red/Common Elderberry plantings in Planting Area 22.			
- Ins	tall 10 Red/Common Elderberry plantings in Planting Area 24.			
- Ins	tall 1 tree guard in Planting Area 19, and 1 in Planting Area 22.			
	just 1 tree guard in Planting Area 24 (completed September 2008).			
	nitor stressed trees and shrubs in Planting Areas 19, 23, and 24.			
	·			

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-12
I. GENERAL INFORMATION	
Inspection Date:	<u>9/18/2008</u>
Conducted By/Phone Number: Weather Conditions:	Gregg Rabasco/ (413) 822-1184
Date of Last Inspection:	Sunny, 65°F 5/30/2008
Date of Last Inspection.	5/50/2008
II. INSPECTION SUMMARY	
	e Final Completion Report for the Newell Street Area II Removal Action (Final Completion Report) and the as- engineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
X Vegetative X Asphalt-Covered	neck applicable barrier types for this parcel and complete inspection for each:
erosion; bare or sparsely ve erosion, surface water pone synthetic cover component	arriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil egetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to s; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water fencing; animal burrows; unauthorized excavation; etc.)
<ul> <li>All areas in good condition.</li> </ul>	
P. Apphalt Covered Engine	and Devieve (Nete any physical changes since lest inspection, note suidance of any of the following:
excessive cracking, fissure	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following: s, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- All areas in good condition.	
settlement, soil erosion, dra	<b>d Areas</b> (Note any physical changes since last inspection; note evidence of any of the following: excessive ainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, unauthorized uses of areas, etc.)
- All areas in good condition.	
stressed/sparse cover], oth stakes; review the restorati	ny physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of ner landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree ion planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent as and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
<ul> <li>Vegetative cover in good co</li> </ul>	
	e included in Tables B-28 through B-33 (Planting Areas 25 through 29). All plantings observed to be in good
	n of 1 dead Red/Common Elderberry observed in Planting Area 25.
- One Box Elder in Planting A	Area 28 requires a stake; all other tree guards were in good condition.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL J9-23-12
	INSPECTION SUMMARY (continued)
5.	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)
-	All areas in good condition.
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)
-	Topsoil was added to the base of 2 trees in Planting Area 27.
-	Natural Resource Restoration/Enhancement (NRRE) area requires moving in Fall 2008.
-	One tree guard was installed in Planting Area 28.
-	Woodchuck hole observed in wooded area.
Ш.	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES
-	Install 1 Red/Common Elderberry planting in Planting Area 25.
-	Replace tree guard stake in Planting Area 28 (completed September 2008).
-	Monitor woodchuck hole.

	INSPECTION SUMMARY AND CHECKLIST
	NEWELL STREET AREA II REMOVAL ACTION
	PARCEL City of Pittsfield
I. GENERAL INFORMA	ΓΙΟΝ
Increation Date:	0/40/2000
Inspection Date: Conducted By/Phone Nu	9/18/2008 mber: Gregg Rabasco/ (413) 822-1184
Weather Conditions:	Sunny, 65°F
Date of Last Inspection:	5/30/2008
II. INSPECTION SUMM	
built survey drawing	3 of the <i>Final Completion Report for the Newell Street Area II Removal Action</i> (Final Completion Report) and the as- is and engineered barrier plan included in Appendix E of that document have been reviewed.
- Confirmed	
<u>X</u> Vegetative Asphalt-Cover	
erosion; bare or spa erosion, surface wa synthetic cover com	ered Barriers (Note any physical changes since last inspection; note evidence of any of the following: topsoil arsely vegetated areas; deficiencies in the soil layer overlaying the synthetic cover components [e.g., excessive ter ponding, depressions, exposed synthetic cover components, vehicle ruts, or other abnormalities]; damage to ponents; uneven settlement relative to surrounding areas; the proper functioning of any associated surface water lition of fencing; animal burrows; unauthorized excavation; etc.)
<ul> <li>All areas in good co</li> </ul>	ndition.
excessive cracking,	Engineered Barriers (Note any physical changes since last inspection; note evidence of any of the following: fissures, spalling, or potholes; depressions and/or surface water ponding, excessive rutting, or exposed subbase tion of perimeter drainage system discharge locations [e.g., evidence of blockage], etc.)
- N/A	
settlement, soil eros	estored Areas (Note any physical changes since last inspection; note evidence of any of the following: excessive sion, drainage problems, burrows, vehicle ruts, excessive cracking or potholes in the paved surface of the access road, ations, unauthorized uses of areas, etc.)
	Note any physical changes since last inspection; note general condition of vegetative cover [e.g., evidence of
stakes; review the re	ver], other landscaping items [trees, shrubs, etc.] planted during restoration activities, tree guards, tree cages, and tree estoration planting plan included in Appendix L (Figure L-1) of the Final Completion Report and determine the percent ted trees and shrubs; and measure and record the size of all trees and shrubs subject to inspection.)
- Vegetative cover in	
- Tree/shrub observat	tions are included in Table B-2 (Planting Area 2) and in the tables in Attachment B for Planting Areas 1, 4, 6,
	all of which include a portion of this parcel. Observations for the latter Planting Areas are described in inspection
	parcels. The one Red Maple at Planting Area 2 was observed to be in good condition, but it needs a bigger
tree guard.	

	INSPECTION SUMMARY AND CHECKLIST		
	NEWELL STREET AREA II REMOVAL ACTION		
	PARCEL City of Pittsfield		
II.	INSPECTION SUMMARY (continued)		
5.	Areas Potentially Susceptible to Erosion (Inspect any other areas that are potentially subject to erosion as a result of the remediation, including drainage outlets, drainage swales, and edges of pavement located within the limits of the soil removal areas, and note evidence of any erosion. Include, where relevant, an inspection of the drainage swale running along the City of Pittsfield property onto Parcel J9-23-8 and associated drainage outlet on Parcel J9-23-8; the barrier drainage pipe originating on Parcel J9-23-8 that discharges adjacent to the westernmost drainage swale on Parcel J9-23-12; the drainage swale between Parcels J9-23-8 and J9-23-12 and associated drainage outlet on Parcel J9-23-12; the drainage outlets on Parcel J9-23-12; and the edges of paved areas [i.e., the access road] on Parcels J9-23-8 and J9-23-12; verify the integrity of these structures and evaluate whether drainage through or discharges from these outlets are causing erosion; verify that there has been no significant movement of riprap or reduction in riprap thickness that threatens the stability of the riprapped swale or drainage outlets, or results in the erosion of underlying soils or sediment or in the exposure of underlying geotextile fabric [unless such fabric overlays concrete].)		
-	Ν/Α		
6.	Other Observations (Confirm that repair/maintenance measures identified during prior inspection have been performed; note any other general observations, including parcel-specific restoration activities.)		
-	Saplings in rip-rap drainage swale have been removed.		
-	The outlet of the rip-rap drainage swale has been repaired.		
-	Pile of miscellaneous debris around the sanitary sewer manhole has been removed.		
-	Eastern half of drainage swale is filled with water.		
III.	FOLLOW-UP MAINTENANCE AND REPAIR ACTIVITIES		
-	Install bigger tree guard on Red Maple in Planting Area 2.		
-	Monitor the drainage swale.		

## ARCADIS

#### Attachment B

Documentation of Tree/Shrub Observations

#### TABLE B-1

#### SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 1 - EASTERN COTTONWOOD (POPULUS DELTOIDES)

#### SUMMARY OF SEPTEMBER 2008 INSPECTION ACTIVITIES FOR NEWELL STREET AREA II GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	7	Good	Good
2	6	Good	Good
3	5	Good	Good
4	4	Stressed	Good
5	5	Good	Good
6	5	Good	Good
7	4	Good	Good
8	4	Good	Good
9	4	Good	Good
10	3	Good	Good
11	5	Good	Good
12	6	Good	Good
13	5	Good	Good
14	5	Good	Good
15	5	Good	Good
16	6	Good	Good
17	5	Good	Good
18	6	Good	Good
19	4	Good	Good
20	4	Good	Good
21	4	Good	Good
22	4	Good	Good
23	4	Good	Good
24	6	Good	Good
25	6	Good	Good
26	6	Good	Good
27	4	Good	Good
28	5	Good	Good
29	5	Good	Good
30	5	Good	Good
31	4	Good	Good
32	5	Good	Good
33	6	Good	Good

Average Height (ft.):	4.9
Height Range (ft.):	3-7
Total Tree Count:	33

# TABLE B-2 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 2 - RED MAPLE (ACER RUBRUM)

#### SUMMARY OF SEPTEMBER 2008 INSPECTION ACTIVITIES FOR NEWELL STREET AREA II GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Good	Needs bigger tree guard

Average Height (ft.):	3.0
Height Range (ft.):	
Total Tree Count:	1

# TABLE B-3 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 3 - RED ELDERBERRY (SAMBUCUS RACEMOSA)/COMMON ELDERBERRY (SAMBUCUS CANADENSIS)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	2	Good	Good
2	3	Good	Good
3	3	Good	Good
4	3	Good	Good
5	4	Good	Good
6	2	Good	Needs to be adjusted
7	2	Stressed	Good
8	NA	Dead	NA
9	4	Stressed	Good
10	4	Stressed	Good
11	2	Good	Good
12	NA	Dead	NA
13	4	Good	Good
14	NA	Dead	NA
15	2	Good	Good
16	NA	Dead	NA
17	NA	Not located	NA
18	NA	Not located	NA
19	NA	Not located	NA
20	NA	Not located	NA

Average Height (ft.):	2.9
Height Range (ft.):	2-4
Total Shrub Count:	20

#### TABLE B-4

## SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 3 - LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	1	Good	Good
2	1	Good	Good
3	1	Good	Good
4	1	Good	Good
5	1	Good	Good
6	1	Good	Needs tree guard
7	NA	Not located	NA
8	NA	Not located	NA
9	NA	Not located	NA
10	NA	Not located	NA

Average Height (ft.):	1.0
Height Range (ft.):	1-1
Total Shrub Count:	10

### TABLE B-5 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 4 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	7	Good	Good
3	1	Stressed	Good
4	NA	Dead	NA
5	1	Stressed	Good
6	6	Good	Good
7	NA	Dead	NA
8	3	Stressed	Good
9	3	Stressed	Good
10	4	Good	Good
11	5	Good	Good
12	7	Good	Good

Average Height (ft.):	4.1
Height Range (ft.):	1-7
Total Tree Count:	12

### TABLE B-6 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 5 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	6	Good	Good
2	6	Good	Good
3	4	Good	Good
4	5	Good	Good
5	6	Good	Good
6	3	Good	Good
7	6	Good	Good
8	6	Good	Good
9	7	Good	Good
10	3	Good	Good
11	6	Good	Good
12	1	Stressed	Good
13	NA	Dead	NA
14	NA	Not located	NA

Average Height (ft.):	4.9
Height Range (ft.):	1-7
Total Tree Count:	14

#### TABLE B-7

#### SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 6 - EASTERN COTTONWOOD (POPULUS DELTOIDES)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard and Stakes (where present)
1	5	Good	Good
2	4	Good	Good
3	6	Good	Good
4	5	Good	Good
5	2	Good	Good
6	1	Good	Good
7	2	Good	Good
8	5	Good	Good
9	8	Good	Good
10	2	Good	Good
11	4	Good	Good
12	5	Good	Good
13	5	Good	Good
14	1	Good	Good
15	5	Good	Good
16	1	Good	Good
17	2	Good	Good
18	2	Good	Good
19	NA	Dead	NA
20	3	Good	Good
21	5	Good	Good
22	3	Good	Good
23	2	Good	Good
24	5	Good	Good
25	5	Good	Good
26	5	Good	Good
27	5	Good	Good
28	5	Good	Good
29	3	Good	Good
30	6	Good	Good

Average Height (ft.):	3.9
Height Range (ft.):	1-8
Total Tree Count:	30

### TABLE B-8 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 7 - BLACK CHERRY (PRUNUS SEROTINA)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	6	Good	Good
2	6	Good	Good

Average Height (ft.):	6.0
Height Range (ft.):	6-6
Total Tree Count:	2

### TABLE B-9 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 8 - CRACK WILLOW (SALIX FRAGILIS)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Good	Good
2	4	Good	Good
3	8	Good	Good
4	8	Good	Good
5	8	Good	Good
6	8	Good	Good
7	4	Good	Good
8	5	Good	Good
9	6	Good	Good
10	11	Good	Good
11	11	Good	Good
12	6	Good	Good

Average Height (ft.):	6.8
Height Range (ft.):	3-11
Total Tree Count:	12

### TABLE B-10 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 9 - BLACK CHERRY (PRUNUS SEROTINA)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	6	Good	Good
3	3	Good	Good
4	6	Good	Good
5	5	Good	Good
6	6	Good	Good
7	5	Good	Good
8	6	Good	Good
9	5	Good	Good
10	5	Good	Good
11	6	Good	Good
12	7	Good	Good
13	5	Good	Good
14	6	Good	Good

Average Height (ft.):	5.4
Height Range (ft.):	3-7
Total Tree Count:	14

### TABLE B-11 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 10 - RED MAPLE (ACER RUBRUM)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	1	Good	Good
2	1	Good	Good
3	1	Good	Good
4	1	Good	Good
5	3	Good	Good
6	3	Good	Good
7	NA	Dead	NA
8	1	Good	Good
9	1	Good	Good

Average Height (ft.):	1.5
Height Range (ft.):	1-3
Total Tree Count:	9

## TABLE B-12 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 11 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	6	Good	Good
2	4	Good	Good
3	6	Good	Good

Average Height (ft.):	5.3
Height Range (ft.):	4-6
Total Tree Count:	3

# TABLE B-13 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 12 - RED ELDERBERRY (SAMBUCUS RACEMOSA)/COMMON ELDERBERRY (SAMBUCUS CANADENSIS)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	3	Good	Good
3	3	Good	Good
4	4	Good	Good
5	NA	Dead	NA
6	NA	Dead	NA
7	3	Stressed	Good
8	NA	Dead	NA

Average Height (ft.):	3.4
Height Range (ft.):	3-4
Total Shrub Count:	8

#### TABLE B-14

#### SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 13 - EASTERN COTTONWOOD (POPULUS DELTOIDES)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	5	Good	Good

Average Height (ft.):	5.0
Height Range (ft.):	-
Total Tree Count:	1

### TABLE B-15 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 14 - NORTHERN RED OAK (QUERCUS RUBRA)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	9	Good	Good
2	2	Good	Good
3	8	Good	Good

Average Height (ft.):	6.3
Height Range (ft.):	2-9
Total Tree Count:	3

### TABLE B-16 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 15 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	6	Good	Good
3	NA	Dead	NA
4	3	Stressed	Good
5	3	Stressed	Good
6	NA	Dead	NA
7	3	Stressed	Good
8	NA	Dead	NA
9	NA	Dead	NA
10	2	Stressed	Good

Average Height (ft.):	3.5
Height Range (ft.):	2-6
Total Tree Count:	10

## TABLE B-17 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 16 - RED MAPLE (ACER RUBRUM)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Good	Good
2	3	Good	Good
3	3	Good	Good
4	NA	Not located	NA

Average Height (ft.):	3.0
Height Range (ft.):	3-3
Total Tree Count:	4

### TABLE B-18 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 17 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Stressed	Good
2	NA	Dead	NA
3	3	Stressed	Good
4	3	Good	Good
5	NA	Dead	NA
6	1	Stressed	Good
7	NA	Dead	NA
8	NA	Dead	NA
9	3	Stressed	Good
10	NA	Dead	NA
11	NA	Dead	NA

Average Height (ft.):	2.6
Height Range (ft.):	1-3
Total Tree Count:	11

### TABLE B-19 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 18 - NORTHERN RED OAK (QUERCUS RUBRA)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	7	Good	Good
3	7	Good	Good

Average Height (ft.):	6.0
Height Range (ft.):	4-7
Total Tree Count:	3

### TABLE B-20 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 19 - EASTERN COTTONWOOD (POPULUS DELTOIDES)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	7	Good	Good
2	1	Stressed	Good
3	2	Good	Good
4	4	Good	Good
5	4	Good	Good
6	1	Good	Needs a Tree Guard

Average Height (ft.):	3.2
Height Range (ft.):	1-7
Total Tree Count:	6

## TABLE B-21 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 20 - RED MAPLE (ACER RUBRUM)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Good	Good
2	NA	Not located	NA

Average Height (ft.):	3.0
Height Range (ft.):	
Total Tree Count:	2

### TABLE B-22 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 21 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	NA	Dead	NA
2	3	Good	Good

Average Height (ft.):	3.0
Height Range (ft.):	
Total Tree Count:	2

# TABLE B-23 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 22 - RED ELDERBERRY (SAMBUCUS ROCEMOSA)/COMMON ELDERBERRY (SAMBUCUS CANADENSIS)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	NA	Dead	NA
2	NA	Dead	NA
3	NA	Dead	NA
4	1	Good	Needs a tree guard
5	NA	Dead	NA
6	NA	Not located	NA

Average Height (ft.):	1.0
Height Range (ft.):	
Total Shrub Count:	6

## TABLE B-24 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 23 - RED MAPLE (ACER RUBRUM)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	3	Good	Good
2	1	Stressed	Good
3	3	Good	Good
4	1	Stressed	Good
5	3	Stressed	Good

Average Height (ft.):	2.2
Height Range (ft.):	1-3
Total Tree Count:	5

## TABLE B-25 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 24 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	2	Good	Good
2	3	Good	Good
3	3	Good	Good
4	3	Good	Good

Average Height (ft.):	2.8
Height Range (ft.):	2-3
Total Tree Count:	4

# TABLE B-26 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 24 - LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	1	Good	Good
2	1	Good	Good
3	1	Good	Good
4	1	Good	Good
5	1	Good	Good
6	1	Good	Good
7	1	Good	Good
8	1	Good	Good
9	1	Good	Good
10	1	Stressed	Good

Average Height (ft.):	1.0
Height Range (ft.):	1-1
Total Shrub Count:	10

# TABLE B-27 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 24 - RED ELDERBERRY (SAMBUCUS RACEMOSA)/COMMON ELDERBERRY (SAMBUCUS CANADENSIS)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	NA	Dead	NA
2	2	Good	Good
3	3	Good	Good
4	NA	Dead	NA
5	NA	Dead	NA
6	NA	Dead	NA
7	2	Stressed	Good
8	NA	Dead	NA
9	1	Good	Needs to be adjusted
10	NA	Dead	NA
11	NA	Dead	NA
12	NA	Dead	NA
13	1	Stressed	Good
14	NA	Dead	NA
15	1	Stressed	Good
16	3	Stressed	Good
17	2	Stressed	Good
18	3	Stressed	Good
19	3	Good	Good
20	NA	Dead	NA

Average Height (ft.):	2.1
Height Range (ft.):	1-3
Total Shrub Count:	20

### TABLE B-28 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 25 - RED OSIER DOGWOOD (CORNUS SERICEA)

			Condition of Tree Cage, Guard,
Tree/Shrub	Height (ft.)	Condition of Shrub	and Stakes (where present)
1	4	Good	Good

Average Height (ft.):	4.0
Height Range (ft.):	
Total Shrub Count:	1

#### TABLE B-29 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 25 - RED ELDERBERRY (SAMBUCUS RACEMOSA)/COMMON ELDERBERRY (SAMBUCUS CANADENSIS)

Tree/Shrub	Height (ft.)	Condition of Shrub	Condition of Tree Cage, Guard, and Stakes (where present)
1	NA	Dead	NA

Average Height (ft.):	
Height Range (ft.):	
Total Shrub Count:	1

## TABLE B-30 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 26 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	6	Good	Good
2	4	Good	Good
3	6	Good	Good
4	5	Good	Good

Average Height (ft.):	5.3
Height Range (ft.):	4-6
Total Tree Count:	4

#### TABLE B-31

#### SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 27 - EASTERN COTTONWOOD (POPULUS DELTOIDES)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	5	Good	Good
2	6	Good	Good

Average Height (ft.):	5.5
Height Range (ft.):	5-6
Total Tree Count:	2

### TABLE B-32 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 28 - BOX ELDER (ACER NEGUNDO)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	4	Good	Good
2	5	Good	Good
3	6	Good	Good
4	5	Good	Good
5	5	Good	Good
6	6	Good	Good
7	4	Good	Good
8	6	Good	Good
9	5	Good	Good
10	6	Good	Good
11	6	Good	Good
12	5	Good	Good
13	6	Good	Good
14	6	Good	Tree guard needs stake
15	6	Good	Good
16	5	Good	Good
17	7	Good	Good
18	6	Good	Good
19	7	Good	Good
20	6	Good	Good
21	4	Good	Good

Average Height (ft.):	5.5
Height Range (ft.):	4-7
Total Tree Count:	21

## TABLE B-33 SUMMARY OF TREE/SHRUB OBSERVATIONS - PLANTING AREA: 29 - SLIPPERY ELM (ULMUS RUBRA)

Tree/Shrub	Height (ft.)	Condition of Tree	Condition of Tree Cage, Guard, and Stakes (where present)
1	5	Good	Good
2	6	Good	Good
3	5	Good	Good

Average Height (ft.):	5.3
Height Range (ft.):	5-6
Total Tree Count:	3