

Notice of Intent:

OLMSTED PARK: PATHWAY RESTORATION AND INVASIVE MANAGEMENT PROJECT

Boston, Massachusetts

March 21, 2018

SUBJECT PROPERTY:

Massachusetts Department of Conservation and Recreation - Olmsted Park
Parcel ID: Online Parcels Viewer - FY 2016, Parcel 1001585050
Boston, MA

OWNER REPRESENTATIVE:

Massachusetts Department of Conservation and Recreation
Attn: Priscilla Geigis, Director of State Parks
Contact: Priscilla.Geigis@MassMail.State.MA.US



SUBMITTED TO:

City of Boston Conservation Commission &
Massachusetts Department of Environmental Protection

PREPARED BY:

Massachusetts Department of Conservation and Recreation
Emerald Necklace Conservancy
Kyle Zick Landscape Architecture, Inc.



OLMSTED PARK: PATHWAY RESTORATION AND INVASIVE MANAGEMENT PROJECT

Notice of Intent Attachment List

March 21, 2018

List of all plans and supporting documents submitted
with this Notice of Intent

WPA Form 3 - Notice of Intent

Attachment Information

Attachments

A (Attachment A)	Narrative / Site Photos
B (Attachment B)	Key Map/USGS Map
C (Attachment C)	FIRM Map
D (Attachment D)	NHESP Map
E (Attachment E)	Wetland Delineation Map
F (Attachment F)	Abutters Information
G (Attachment G)	Plans & Details





WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (Note: electronic filers will click on button to locate project site):

Willow Pond Rd Boston 02130
a. Street Address b. City/Town c. Zip Code
Latitude and Longitude: 42 19' 29.25N 71 06' 56.87E
d. Latitude e. Longitude
Online parcel ID: 1001585050 (see attached) 1001585050
f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Priscilla Geigis
a. First Name b. Last Name
Massachusetts Department of Conservation and Recreation
c. Organization
251 Causeway Street, Suite 900
d. Street Address
Boston MA 02114
e. City/Town f. State g. Zip Code
617-626-4986 Priscilla.Geigis@MassMail.State.MA.US
h. Phone Number i. Fax Number j. Email Address

3. Property owner (required if different from applicant): [] Check if more than one owner

a. First Name b. Last Name
c. Organization
d. Street Address
e. City/Town f. State g. Zip Code
h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Kyle Zick
a. First Name b. Last Name
Kyle Zick Landscape Architecture, Inc.
c. Company
36 Bromfield Street, Suite 202
d. Street Address
Boston MA 02108
e. City/Town f. State g. Zip Code
617-451-1018 kzick@kylezick.com
h. Phone Number i. Fax Number j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

N/A N/A N/A
a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid

**DCR to voluntarily pay fees



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A. General Information (continued)

6. General Project Description:

Restoring main pathway, closing unauthorized paths, invasive plant management (cutting and herbicide application), supplemental native planting, remove 4 dead trees, pruning of trees

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

<u>Suffolk</u>	<u>Unknown</u>
a. County	b. Certificate # (if registered land)
<u>Ward 10, Parcel 1585</u>	<u>Unknown</u>
c. Book	d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	4,745 temporary 1. square feet	4745 in situ 2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet 3. cubic feet of flood storage lost	2. square feet 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced

f. Riverfront Area

1. Name of Waterway (if available) - **specify coastal or inland**
Babbling Brook - Inland

2. Width of Riverfront Area (check one):

25 ft. - Designated Densely Developed Areas only

100 ft. - New agricultural projects only

200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: +/-6000
square feet

4. Proposed alteration of the Riverfront Area:

<u>490 temporary</u> a. total square feet	<u>490 in situ</u> b. square feet within 100 ft.	<u> </u> c. square feet between 100 ft. and 200 ft.
--	---	---

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No
6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No
3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

Oliver 2018
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:

(a) within wetland Resource Area	1.7%, .12 acres
	percentage/acreage
(b) outside Resource Area	8.0%, .54 acres
	percentage/acreage
2. Assessor's Map or right-of-way plan of site
2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont’d)

(c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhESP/regulatory_review/ Mesa/MESA_fee_schedule.htm). Make check payable to “Commonwealth of Massachusetts - NHESP” and *mail to NHESP* at above address

Projects altering **10 or more acres** of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhESP/regulatory_review/ Mesa/MESA_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. Separate MESA review completed.
Include copy of NHESP “no Take” determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP’s Boston Office. For coastal towns in the Southeast Region, please contact MassDEP’s Southeast Regional Office.



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C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
-
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. Yes No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt:
1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

DCR Olmsted Park Woodlands - Proposed Work, Planting Plan

a. Plan Title

Mike Doucette

b. Prepared By

Kyle Zick

c. Signed and Stamped by

see attachment

e. Scale

d. Final Revision Date

see attachment

March 07, 2018

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees ****DCR to voluntarily pay fees**

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

TBD

2. Municipal Check Number

TBD

4. State Check Number

TBD

6. Payor name on check: First Name

TBD

3. Check date

TBD

5. Check date

TBD

7. Payor name on check: Last Name



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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

3-19-18

2. Date

3. Signature of Property Owner (if different)

4. Date 03/07/18

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

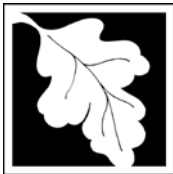
For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

<u>Willow Pond Rd</u>	<u>Boston</u>
a. Street Address	b. City/Town
<u>TBD</u>	<u>TBD</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Priscilla</u>	<u>Geigis</u>	
a. First Name	b. Last Name	
<u>Massachusetts Department of Conservation and Recreation</u>		
c. Organization		
<u>251 Causeway Street, Suite 900</u>		
d. Mailing Address		
<u>Boston</u>	<u>MA</u>	<u>02114</u>
e. City/Town	f. State	g. Zip Code
<u>617-626-4986</u>	<u>Priscilla.Geigis@MassMail.State.MA.US</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Mailing Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Cat 1.D - Resource Improvement	1	\$165	\$165
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Step 5/Total Project Fee:			\$165
Step 6/Fee Payments:			
Total Project Fee:			\$165
State share of filing Fee:			\$70
City/Town share of filling Fee:			\$75, City of Boston
			c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

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Notice of Intent Attachment List

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Massachusetts Department of Conservation and Recreation – Olmsted Park Woodlands**Description of Proposed Work**

March 21, 2018

Attachment A**1.0 Project Description****Project Narrative**

The Massachusetts Department of Conservation and Recreation (DCR) is proposing to restore approximately 5,600 square feet of accessible pathway, remove approximately 7,060 square feet of invasive plant species and replanting that area with supplemental plantings native to Massachusetts, historic meadow restoration, bank stabilization along the eastern side of Spring Pond, remove (4) trees that are dead and/or hazards to the safety of park users along pathways and finally prune any dead limbs of (+/- 5) trees that overhang pathways within the DCR owned portion of Olmsted Park. Additionally, resetting puddingstone edge stones along the bridge that sits between Willow and Spring ponds, the stones currently sit along the pond and brook bank. Work will occur within the 25-foot Riverfront Area, Bordering Vegetated Wetlands, and the 100-foot Buffer Zone to Inland Bank. The bodies of water associated with this scope of work include The Babbling Brook, Willow Pond and Spring Pond. The DCR Restoration project covers an area of approximately 28,860 square feet, or two-thirds of an acre.

2.0 Existing Conditions

The site located in the Olmsted Park is just immediately to the south of Willow Pond Road. This parcel of land is predominantly woodlands, with several pathways that meander throughout the site. All the pathways are compacted earth or stone dust and are subject to frequent erosion and run off in areas with any slope to them. The site has the Babbling Brook along its western edge that acts as the property line to Brookline, the brook flows into Willow Pond. Willow Pond is situated in between Brookline and the DCR parcel, in the northern portion of the site. In addition, Spring Pond, a naturally spring fed pond, is entirely located in this site. This pond is home to the only species of landlocked three spine stickleback fish in Massachusetts, one of three areas known within the United States. This small pond also flows into Willow Pond.

The overall topography of the site is soft rolling grade changes with sections of steeper terrain along the edge of the meadow transitioning into the woodlands and some steeper sections leading down to the Babbling Brook. The makeup of trees is a good mix of young and mature hardwood species, few understory species and a good mixture of herbaceous plant material. The project site has a great deal of invasive plant stands found in different areas throughout the project limits.

2.1 Wetland Resources

Wetland Boundary Determination Methodology

The top of Bank was determined to occur along the first observable break in slope in accordance with the *Massachusetts Wetlands Protection Act* (M.G.L. c. 131, s. 40), its implementing Regulations (310 CMR 10.00). A full delineation for this site was reviewed and approved by the Boston Conservation Commission as part of the Army Corps of Engineers Muddy River Flood Control, Water Quality and Habitat Enhancement, and Historic Preservation Project. The boundaries used here are consistent with that delineation.

Bordering Vegetated Wetlands

Bordering Vegetated Wetlands are freshwater wetlands which border on creeks, rivers, streams, ponds and lakes. The types of freshwater wetlands are wet meadows, marshes, swamps and bogs. Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants. On the site, the Bordering Vegetated Wetlands zone is over run with invasive plant material. There is a great opportunity to remove the invasives and add supplemental native wetland shrubs that will thrive in these conditions.

Buffer Zone from Inland Bank

The 100-Foot Buffer Zone to Inland Bank or bordering vegetated wetland in this area is characterized by a typical woodland setting with a range of aged trees from young sapling to mature trees, some understory species and areas with herbaceous material. There is a collection of meandering pathways throughout the parcel of land, that are predominantly compacted earth, some sections are compacted stone dust.

Riverfront Area

In Boston, Riverfront Area is defined as the area of land within 25 feet of the annual mean low water. On the project site, Riverfront Area consists of mature and semi mature trees, some understory species, herbaceous groundcover. The topography in areas is relatively steep leading to the Babbling brook. A section of pathway meets a bridge which crosses into Brookline through this area.

3.0 Work Proposed Within Resource Areas and the 100-Foot Buffer Zone

The scope of this project has 5,235 square feet within a resource area and 23,625 square feet within the 100-foot buffer zone. The main pathway restoration takes place within this larger area. The main pathway begins off Willow Pond Road and extends through the entire site before joining the Boston owned portion of the park. The approximate length of the main trail is 700 feet long and is approximately 8' wide for a total of about 5,600 square feet of pathway restoration. The restoration process for this pathway will be to replace the compacted earth with a pervious stabilized stone dust product called 'Organic-Lock'. The existing main pathway will be excavated and a 4"-6" compacted base and a 3" layer of the Organic-Lock Pathway Aggregate will be installed. All the work will be done via mini excavator and small bobcat machinery. The excavated material will need to be removed and driven out to the meadow area where a dump truck will be parked. Access for a dump truck into the project site won't be possible. The smaller equipment will access the project site from the southeastern part of the meadow. All proper temporary erosion control measures will be taken during construction. Straw waddle will be installed approximately 5' off edge of pathway to collect any runoff or disturbance. The waddle will be set in a 3-5" trench and will be staked into place.

The invasive species management takes place in both the resource areas and the 100-foot buffer zone. This process will involve removing the plant material (in some cases this task will be implemented multiple times to remove any grow back or new shoots/sprouts), an herbicide application handled and applied by a licensed applicator, and supplemental planting of native woodland understory shrubs that are native to Massachusetts. The invasive species that are found on site include multi-flora rose, burning bush and knotweed. The knotweed will be mowed twice during the summer months and then in the fall the knotweed stems will cut down between the second and third node (from the ground) and an injection or dripped application of 5 mL of herbicide directly into the stem. The stem will be painted a contrasting color of paint to identify which stems have been treated. The cut stems and brush will be removed from the project site. The multiflora rose and burning bush will treated in a similar fashion. Both species will be cut 2 to 4 inches above finished grade and apply herbicide immediately to the cut stems. Herbicide shall include a colored dye to identify which stems have been treated. Cut branches and brush will be removed from the site.

After the removal and treatment of the invasive species, the supplemental planting of native shrubs will include Elderberry (*Sambucus nigra*), Silky Dogwood (*Cornus amomum*), Arrowwood *Viburnum* (*Viburnum dentatum*), Witch Hazel (*Hamamelis virginiana*). In a few areas there are open canopy gaps, which presents the opportunity to plant new native tree species. In these areas we are proposing to plant small container grown Sassafras (*Sassafras albidum*) and Red Maple (*Acer rubrum*) to become the next generation of woodland tree to fill the open canopies.

A 13,000 square foot portion of the meadow restoration is within the 100' buffer. Slice seeding a mix of native perennial grasses and some native herbaceous flowering species. The meadow restoration also includes removal of germinating sumac that are sprouting up on the northern side of the meadow. This work will include timely mowing practices, two to three times a year, to encourage native seed germination and reduce the amount of competitive from invasive herbaceous material. In addition, we are proposing some smaller native trees to help define the meadow and help transition the area before getting into the woodlands. Finally, paths will be maintained and mowed to an appropriate height to allow park users to access and walk through the meadow.

On the east side of Spring Pond, the existing conditions include a relatively steep bank to the pond, with minimal understory vegetation set amongst medium to older aged hardwood trees. This area is frequent to erosion and is continually washed out. With this NOI we are proposing a two-part restoration process of the eastern Spring Pond bank, a soil stabilization and soil regeneration phase and a replanting phase, with a total area of approximately 3,200 square feet. 12" Coconut Fiber Coir logs will be installed along the bank, 10' offset from the edge of pond. A small 3-5" trench will be excavated, and the coir logs will be installed, with adjoining end butting up to one another. The coir logs will be staked in every three feet and will be backfilled. With this installation of the coir logs, the goal is to collect leaf litter and other organic matter to start regenerating the nutrient depleted soils in this area. In addition to the coir logs, the contractor will be implementing vertical mulching methods in this area. The contractor will drive hardwood stakes or collected tree branches, no larger than 2" in diameter into the soil to break up compaction and add organic materials into the soil profile. Branches could be collected from the woodlands or the contractor could provide hardwood stakes to be approved by a landscape architect. An erosion control mat will be placed within the area that will be subject to the vertical staking. The second phase of the Spring Pond bank stabilization will be to introduce native shrubs and herbaceous materials in this area. The 3,200 square foot area will be planted with (20) maple leaf viburnum, hay scented fern plugs and Pennsylvania sedge plugs. These plantings locations will be determined in the field by a landscape architect after the stabilization has been completed. In addition, a shade tolerant native woodland perennial seed mix will be added in and around the plantings.

The four tree removals are designated for removal because they are dead, or they have disease worthy enough to be removed. Two of the trees are within the 25' Resource area and two are in the 50' buffer. All tree removals will be completed via climbers without mechanical means. All limbs and brush will be used to close the desire path on the northern portion of the parcel, immediately adjacent Willow Pond Road.

The tree pruning work is all within the 100-foot buffer zone. Due to the challenging site conditions for vehicular access, all work will be done with climbers. The brush will be used to close the desire path on the northern portion of the parcel, immediately adjacent Willow Pond Road.

Finally, the bridge restoration will consist of replacing the fallen puddingstone along the edge of the bridge that sits between Willow and Spring Pond. Historic photos from ~1920 show that the bridge had puddingstones lining either side of the bridge. Access to the bridge can be directly from Willow Pond Road, and a mini excavator or lull can go directly down the footpath.

The stones will need to be picked up from the brook and pond bank and reset along the edge of the bridge.

3.1 Work Proposed in 25-Foot Riverfront Area

The Riverfront Area impacted by this project consists of woodland parkland with some areas of steeper slopes that lead to the Babbling Brook. The specific work to be done in this resources zone is removing a (490 square foot) stand of knotweed. This area will be re planted with native woodland shrubs. The pathway, over story trees and noninvasive understory material will remain and will not be altered.

3.2 Work Proposed in Bordering Vegetated Wetlands

The Riverfront Area impacted by this project consists of a wooded wetland parkland that has been overrun with invasive materials. The specific work to be done in this resource area will be removing a stand (4,745 square feet) of knotweed, multiflora rose and burning bush. Supplemental plantings of native woodland shrubs that will adapt and thrive in wetland conditions will be planted.

3.3 Work Proposed within 100-Foot Buffer Zone to Inland Bank

The pathway restoration (5,600 square feet), remaining areas of knotweed stands (1,825 square feet), meadow restoration (13,000 square feet), bank stabilization (3,200 square feet), tree removals and tree pruning work all fall within the 100-foot buffer zone but outside the resource areas.

SITE PHOTOS - PATHWAY AND VEGETATION



Main Path - Compacted earth and gravel



Main Path - Compacted earth and gravel



Knotweed and invasive plants

SITE PHOTOS - VEGETATION

Attachment A



Knotweed and invasive plants



Examples of trees for removal

**SITE PHOTOS - BANK STABILIZATION AND
SUPPLEMENTAL PLANTING AREA**



Area of bank stabilization, soil regeneration and supplemental planting



Area of bank stabilization, soil regeneration and supplemental planting



Existing Meadow



Historic photo of bridge between Willow Pond and Spring Pond.
Puddingstone edge stones lined both sides of the bridge.
(standing along the Brookline bank of Willow Pond, circa +/-1920.)



Missing edge stones (standing on bridge)



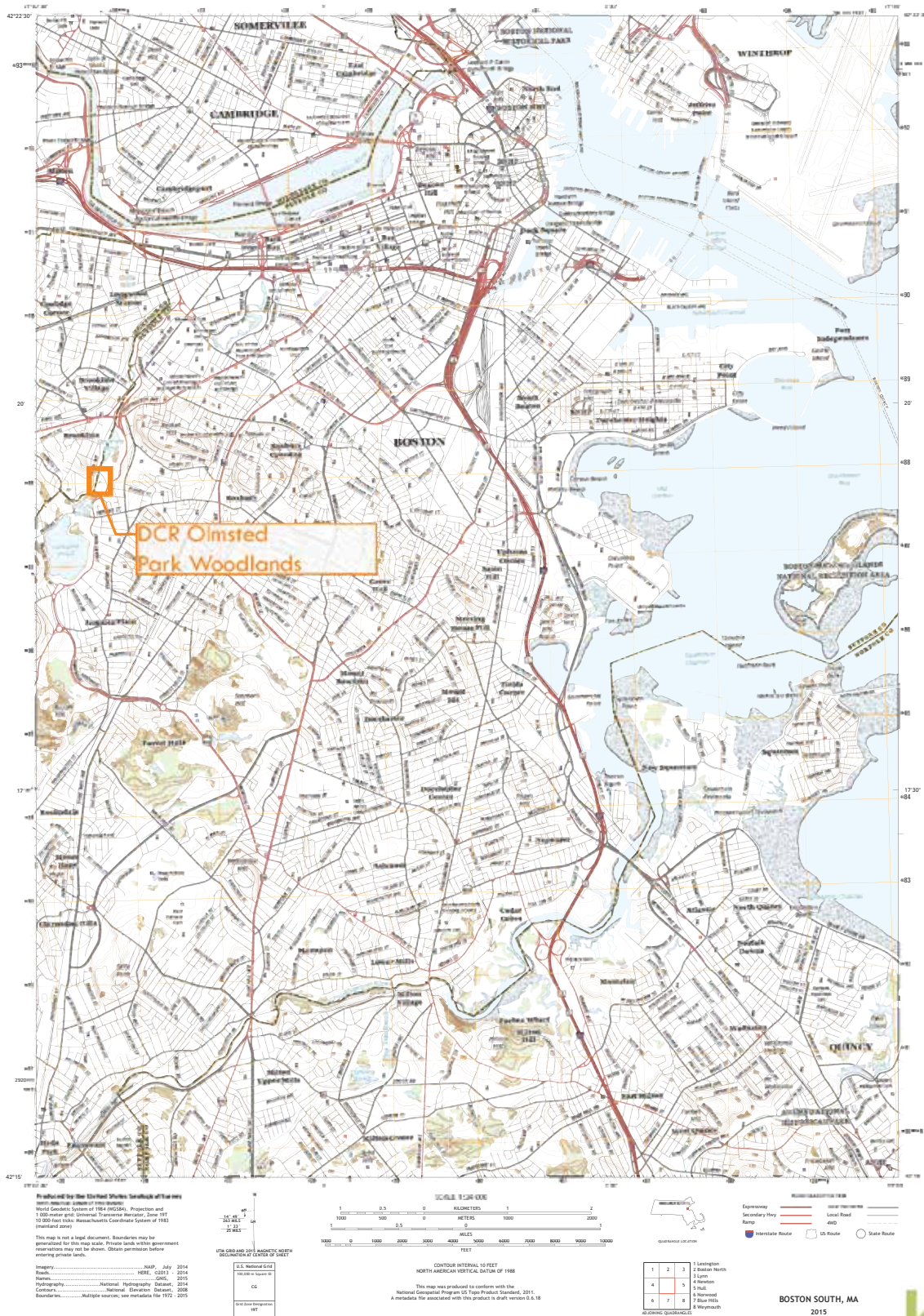
Missing edge stones (standing on Willow Pond bank)



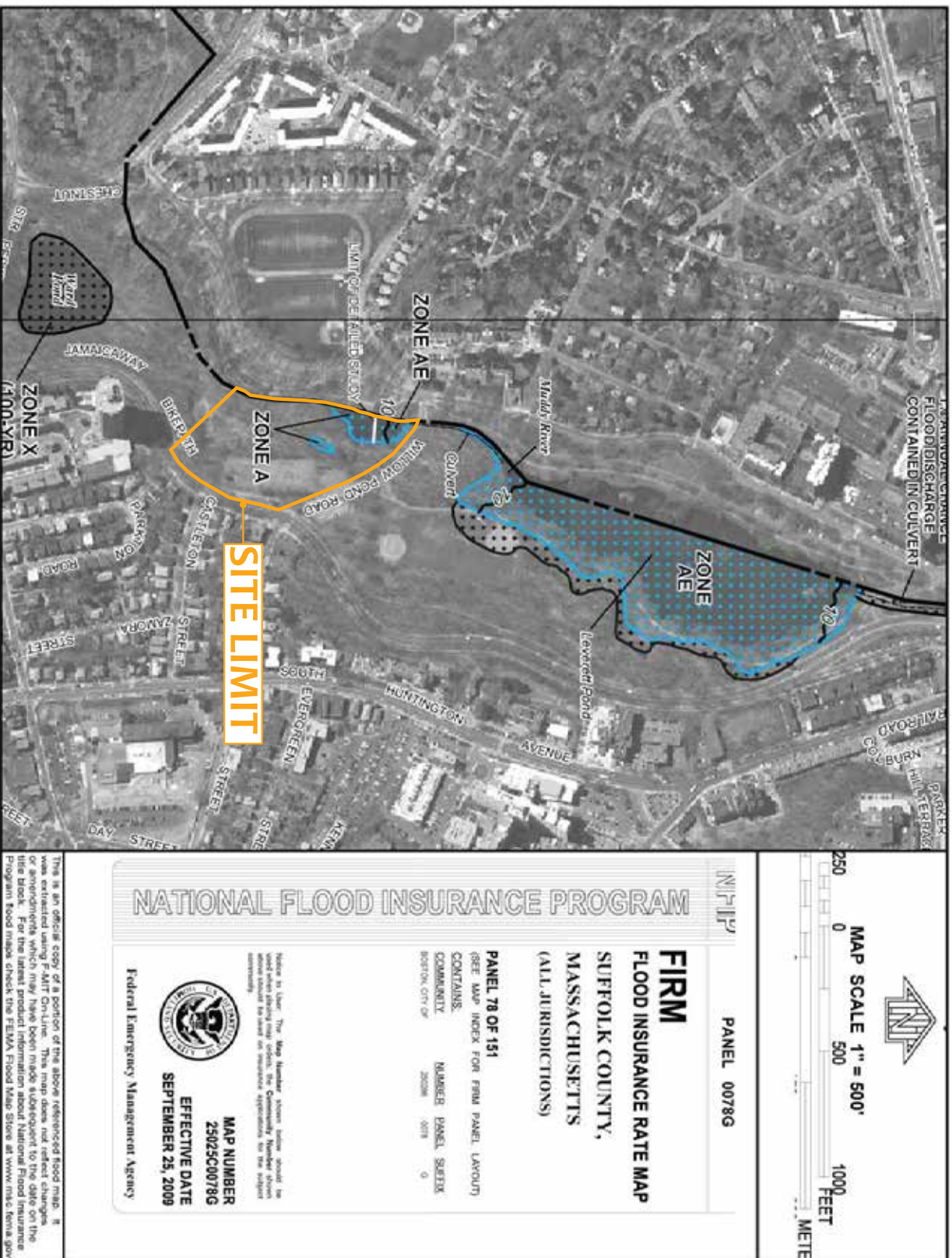
Missing edge stones (standing on Sping Pond bank)

Olmsted Park
Notice of Intent

KEY MAP/USGS MAP

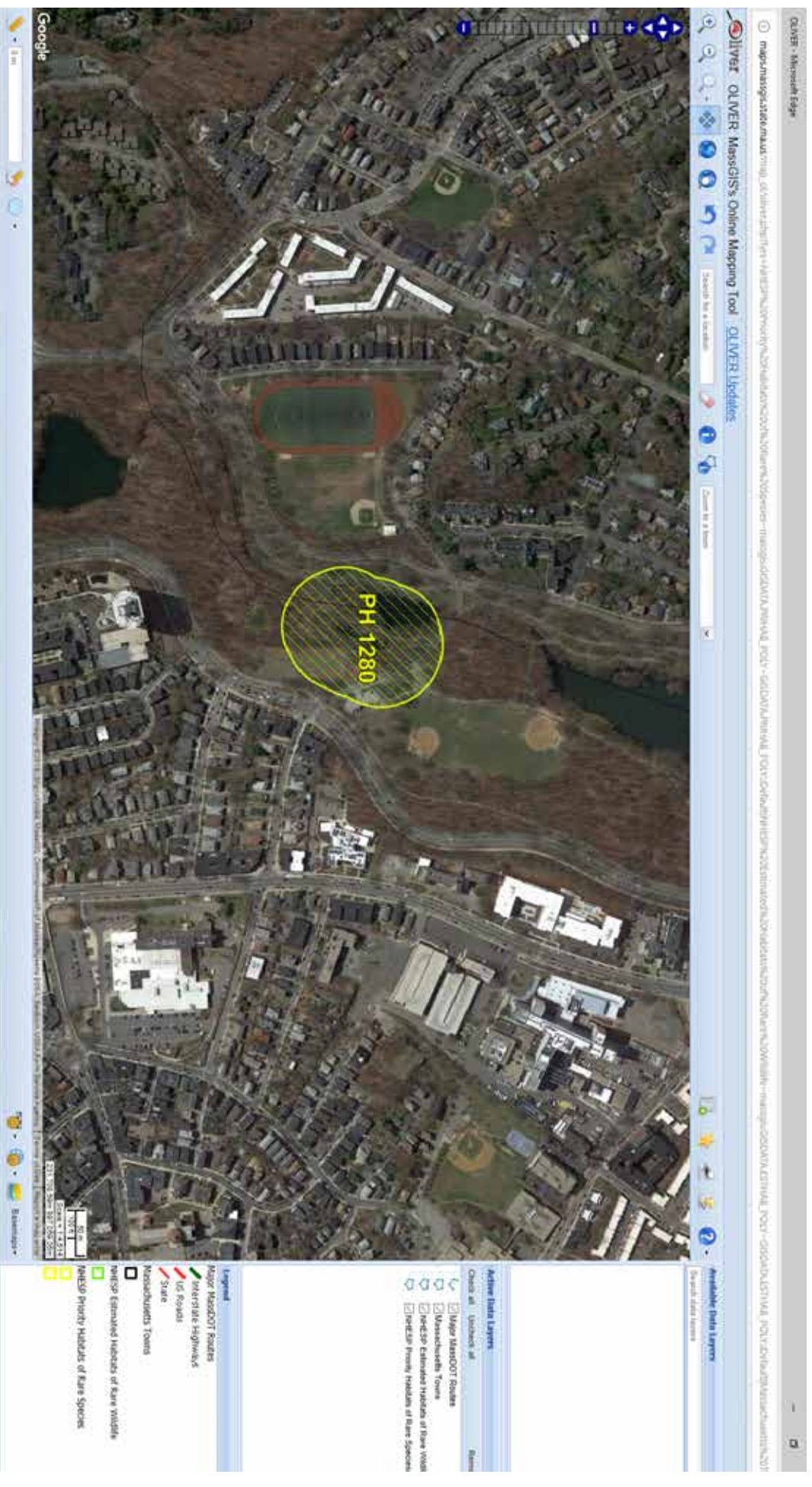


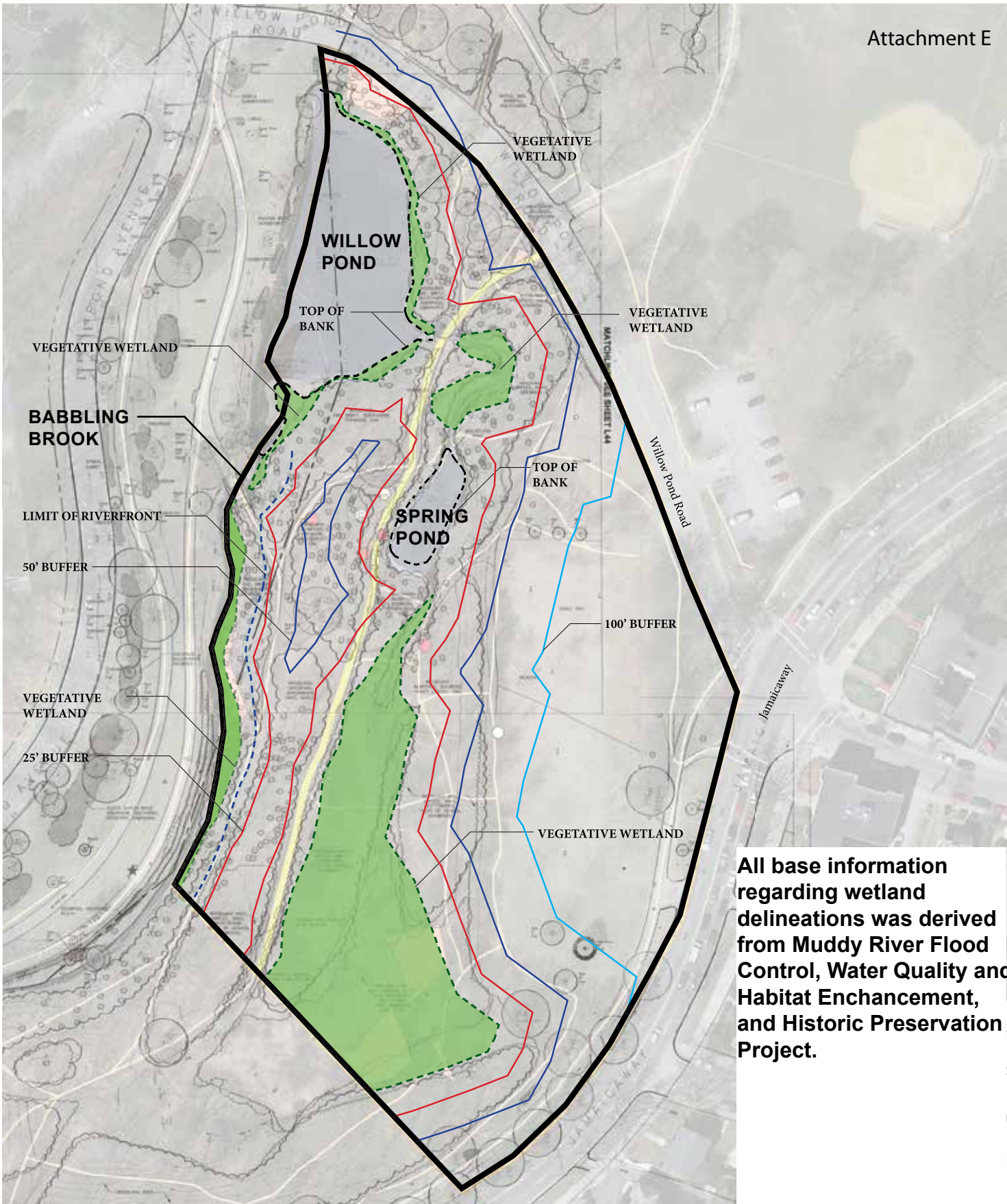
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 36 Bromfield Street, Suite 202, Boston, MA 02108
 t: 617-451-1018 e: kzick@kylezick.com www.kylezick.com



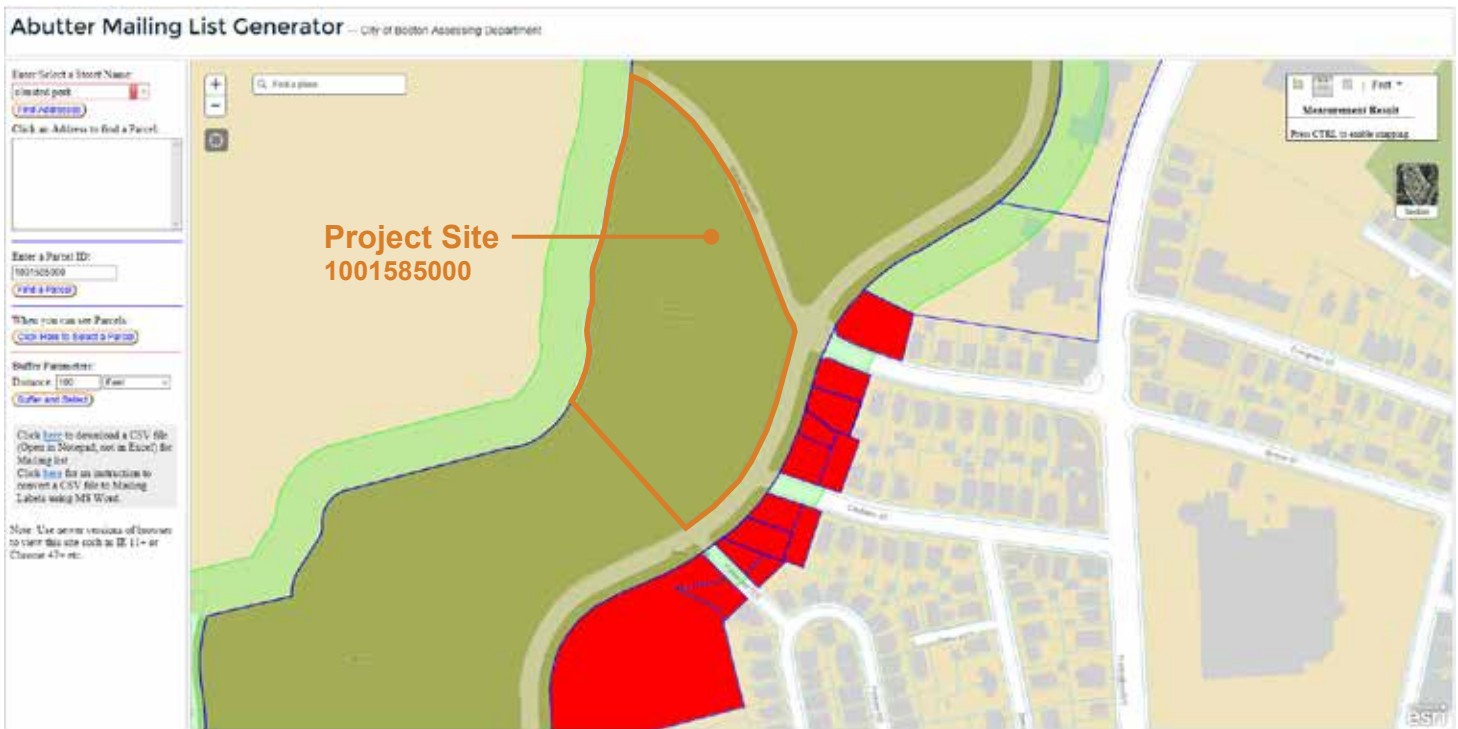




All base information regarding wetland delineations was derived from Muddy River Flood Control, Water Quality and Habitat Enhancement, and Historic Preservation Project.

DCR Olmsted Park Woodlands - Existing Conditions





ABUTTER NOTIFICATION LETTERS TO BE SENT:

- | | | |
|---|---|--|
| <p>1. 218 Jamaicaaway St
Marilyn J Guinane
PO Box 542
Manchester, MA 01944</p> | <p>6. 37 Castleton St
Sisters of Notre Dame
37 Castlton St
Jamaica Plain, MA 02130</p> | <p>10. 244 Jamaicaaway St
Liu Junke
244 Jamaicaaway
Jamaica Plain, MA 02130</p> |
| <p>2. 224 Jamaicaaway St
224 Jamaicaaway LLC
575 Boylston St
Boston, MA 02116</p> | <p>7. 240 Jamaicaaway St
Joshua Cohen
240 Jamaicaaway St
Jamaica Plain, MA 02130</p> | <p>11. 6 Parkwood Ter
Peter Staab
6 Parkwood Ter
Jamaica Plain, MA 02130</p> |
| <p>3. 226 Jamaicaaway St Apt. S
Jeremy P Nelson
226 Jamaicaaway #S
Jamaica Plain, MA 02130</p> | <p>8. 242 Jamaicaaway St
Forestview Condo TR
630 Smithfield Rd #1116
N. Providence, RI 02904</p> | <p>12. 111 Perkins S
Jamaicaway Tower
111 Perkins St
Jamaica Plain, MA 02130</p> |
| <p>4. 232 Jamaicaaway St
Two-32 Jamaicaaway Condo
232 Jamaicaaway St
Jamaica Plain, MA 02130</p> | <p>9. 32 Castleton St
Christopher S. Gibson
32 Castleton St
Jamaica Plain, MA 02130</p> | <p>13. 5 Parkwood Te
Sherri Schwaninger
5 Parkwood Te
Jamaica Plain, MA 02130</p> |
| <p>5. 234 Jamaicaaway St
Oscar Morales
236 Jamaicaaway St
Jamaica Plain, MA 02130</p> | | |





Boston Conservation Commission

Notification of Abutters Under the Massachusetts Wetland Protection Act

In Accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

The Boston Conservation Commission will hold a public hearing for a Notice of Intent for the City of Boston, 1 City Hall Square, Boston MA. The purpose of the hearing is to discuss the pathway restoration, invasive vegetation management, new planting, tree pruning, and dead tree removal project of the Massachusetts Department of Conservation and Recreation owned parcel of Olmsted Park in Boston, MA.

The project is located near Willow and Spring Ponds and is subject to protection under the Wetlands Protection Act MGL c.131§40 and Boston Wetlands Protection & Conservation Ordinance. Hearing will be held April 04, 2018 at 6:00pm in the Boston City Hall, 1 City Hall Square, Piemonte Room, 5th floor.

For more information, call the proponent's agent at Kyle Zick Landscape Architecture, Inc., (617) 451-1018 or the City of Boston Conservation Commission (617) 635-3850.

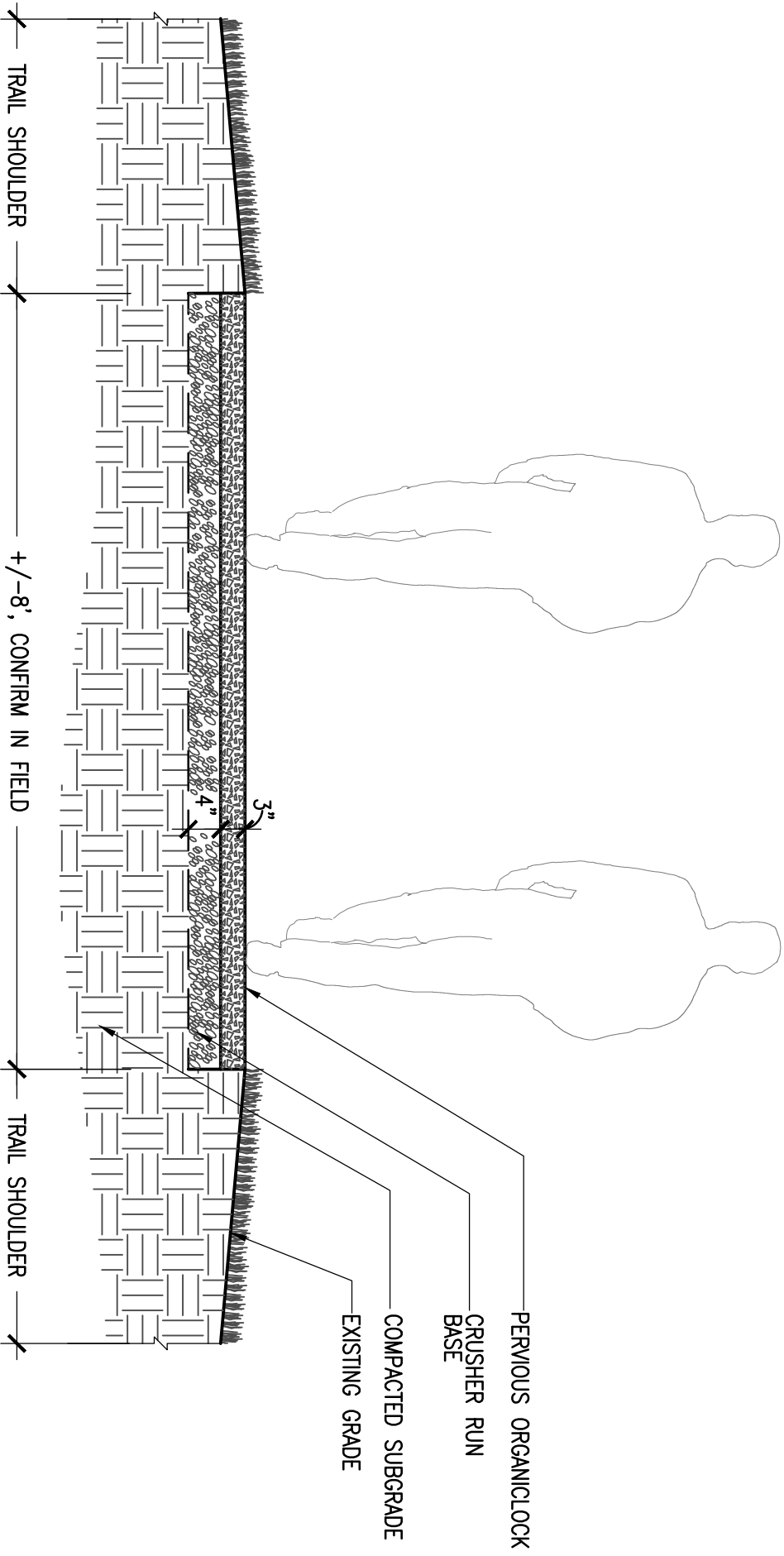
NOTE: Notice of the public hearing will be published at least five (5) days in advance by the City of Boston Conservation Department on their website and posted not less than 48 hours in advance at Boston City Hall.

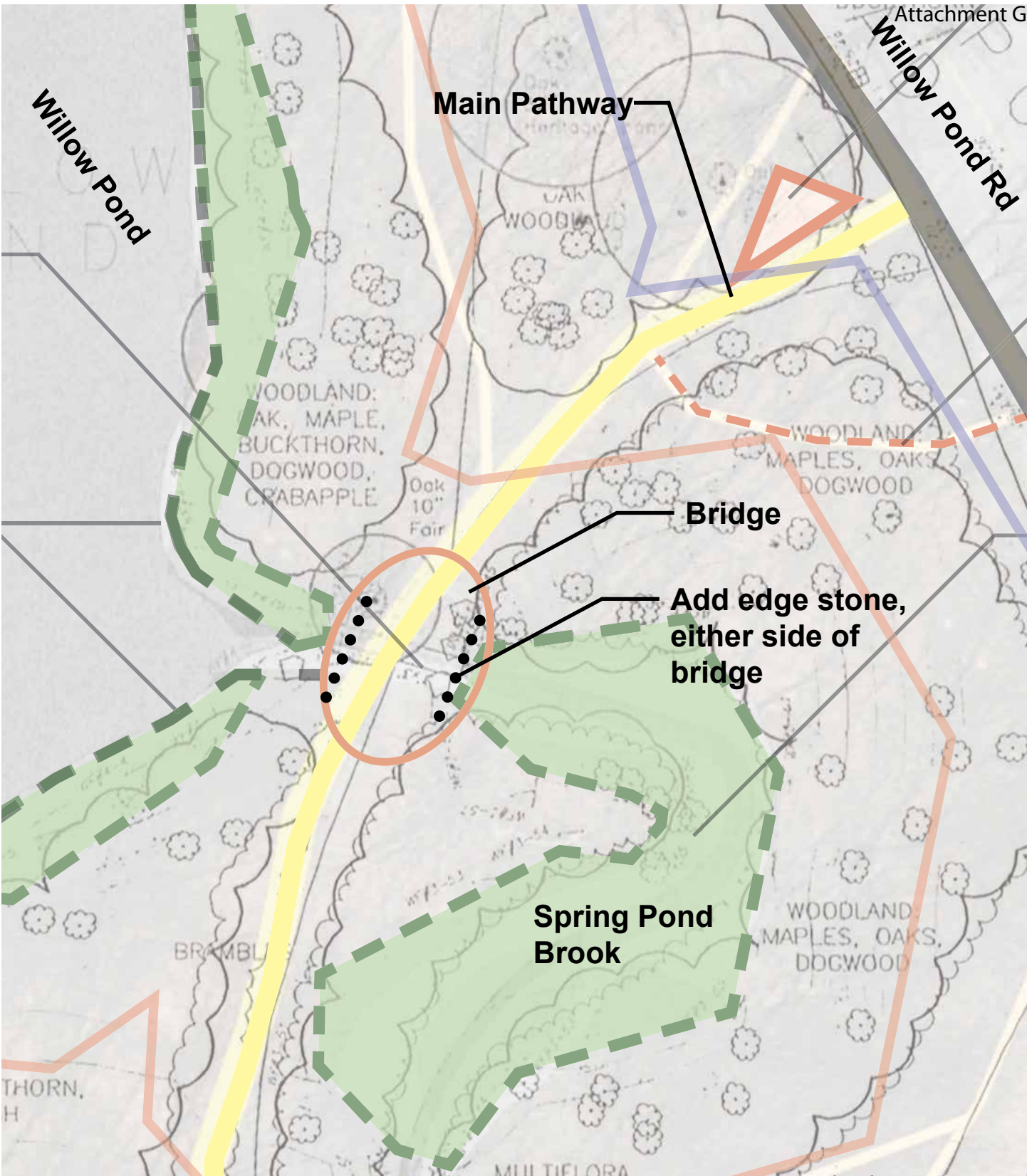
March 21, 2018

Phase 5b: Pathway Restoration and Invasive
Management - DCR Olmsted Park

Notice of Intent

PLANS & DETAILS





Willow Pond

Main Pathway

Willow Pond Rd

WOODLAND:
OAK, MAPLE,
BUCKTHORN,
DOGWOOD,
CRABAPPLE

Oak 10"
Fair

Bridge

Add edge stone,
either side of
bridge

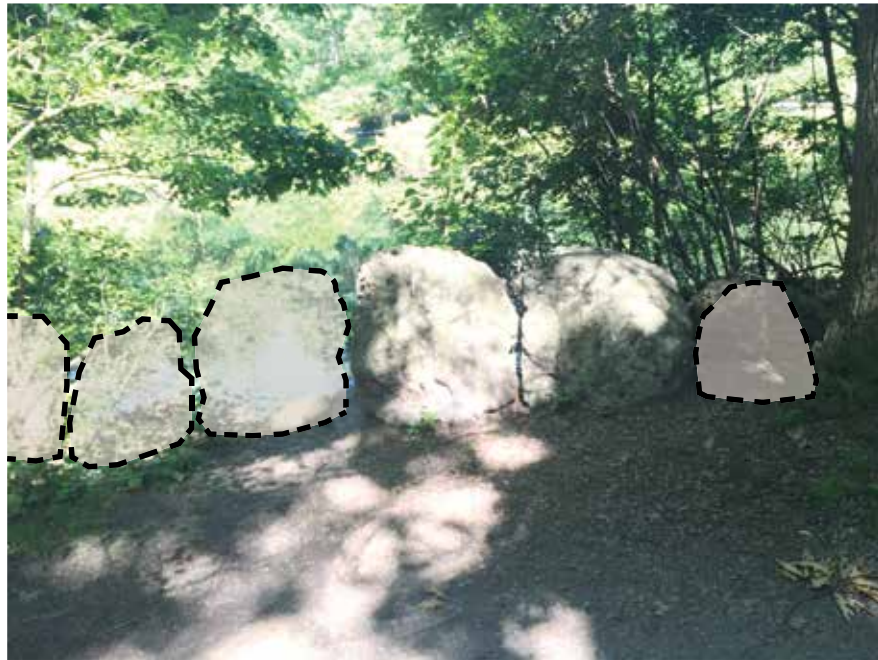
Spring Pond
Brook

WOODLAND:
MAPLES, OAKS,
DOGWOOD

BRAMBL

THORN,
H

MULTIFLORA



Restore fallen edge stones (stones have fallen down to the pond bank)



Restore fallen edge stones (stones have fallen down to the pond bank)



Restore fallen edge stones (stones have fallen down to the brook bank)

DCR Olmsted Park - Planting List

Common Name	Genus	Species	Qty	Size
Trees				
Red Maple	Acer	rubrum	3	2" cal.
Sassafras	Sassafras	albidum	3	2" cal.
Shrubs				
Arrowwood	Viburnum	dentatum	36	1 gal.
Elderberry	Sambucus	nigra	33	1 gal.
Silky Dogwood	Cornus	amomum	30	1 gal.
Witch Hazel	Hamamelis	virginiana	5	1 gal.
Maple Leaf Viburnum	Viburnum	acerifolium	20	1 gal.
Perennials				
Hay Scented Fern	Dennstaedtia	punctilobula	800	plug
Pennsylvania Sedge	Carex	pennsylvanica	800	plug