

# Notice of Intent Application

## Massachusetts Wetlands Protection Act Boston Wetlands Protection Ordinance



## Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities

*Submitted to:*

**Boston Conservation Commission**  
1 City Hall Square Room 709  
Boston, MA 02201

*Prepared for:*

**NSTAR Electric Company d/b/a Eversource  
Energy**  
247 Station Drive SE270  
Westwood, MA 02090

**February 16, 2022**

*Submitted by:*

**Epsilon Associates, Inc.**  
3 Mill & Main Place, Suite 250  
Maynard, MA 01754



Projects:/5711/Eversource East Cambridge/Geotechnical Borings

**PRINCIPALS**

February 16, 2022

Boston Conservation Commission  
1 City Hall Square, Room 709  
Boston, MA 02201-2031

**Subject: Notice of Intent, Eversource's Greater Cambridge Energy Program - Geotechnical Borings and Test Pits in Boston, Massachusetts**

Dear Commission Members:

On behalf of NSTAR Electric Company d/b/a Eversource Energy ("Eversource"), Epsilon Associates, Inc. ("Epsilon") is pleased to submit this updated Notice of Intent ("NOI") to the Boston Conservation Commission for the proposed geotechnical boring and test pit work in Boston, Massachusetts. Eversource submitted an NOI application to the Boston Conservation Commission on February 9, 2022. The Commission reviewed the application and requested the following information on February 10, 2022:

- Performance standards from the Act for Land Under Water and Fish Run in Attachment A (Narrative);
- Clarification on work in Waterfront Area and Riverfront Area under the Boston Wetlands Ordinance;
- Additional details on erosion control and mitigation measures proposed;
- A signed/stamped Stormwater Checklist and Report; and,
- A permit plan showing the landside test pits within Riverfront Area on the River Street Bridge.

The enclosed NOI includes the information requested, in addition to describing wetland resource areas within the Study Area that are subject to the Massachusetts Wetlands Protection Act ("Act") (MGL c.131 §40), implementing regulations (310 CMR 10.00), and the Boston Wetlands Protection Ordinance ("Ordinance", Chapter 7.1-4) and implementing local regulations. A portion of the work described in the NOI qualifies as an

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Margaret B Briggs  
Dale T Raczynski, PE  
Cindy Schlessinger  
Lester B Smith, Jr  
Robert D O'Neal, CCM, INCE  
Michael D Howard, PWS, CWS  
Douglas J Kelleher  
AJ Jablonowski, PE  
David E Hewett, LEED AP  
Dwight R Dunk, LPD  
David C Klinch, PWS, PMP  
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Richard M Lampeter, INCE  
Geoff Starsiak, LEED AP BD+C  
Marc Bergeron, PWS, CWS  
Alyssa Jacobs, PWS

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exempt minor activity under the Act (310 CMR 10.02(2)(b)(1), 310 CMR 10.58(6)(b)) and the Boston Ordinance (7-1.4(d)(ii) (Exemptions)).<sup>1</sup>

We have included one (1) original and one (1) paper copy of the complete application and the filing fee. We have also included an electronic PDF copy of the submittal via file share in an email to Nick Moreno, Executive Director at [cc@boston.gov](mailto:cc@boston.gov).

This NOI is being submitted for the Commission's review at the regularly scheduled **February March 2, 2022**, public hearing. If you have any questions regarding this application, please do not hesitate to contact me at (978)-461-6260 or via email at [mkearns@epsilonassociates.com](mailto:mkearns@epsilonassociates.com).

Sincerely,

EPSILON ASSOCIATES, INC.



Megan L. Kearns, PWS  
Senior Scientist

CC: DEP Northeast Regional Office  
Division of Marine Fisheries, North Shore (via email and FedEx)  
Sean Casey, MassDCR  
Christopher Newhall, Eversource Energy

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<sup>1</sup> According to the referenced regulations (in part), "The following minor activities, provided that they comply with 310 CMR 10.02(2)(b)(1), are not otherwise subject to regulation under M.G.L. c.131. s.40: ... Activities that are temporary in nature, have negligible impacts, and are necessary for planning and design purposes (e.g., installation of monitoring wells, exploratory borings, sediment sampling and surveying and percolation tests for septic systems provided that resource areas are not crossed for site access)."

**From:** [Megan Kearns](#)  
**To:** ["DMF.EnvReview-North@mass.gov"](mailto:DMF.EnvReview-North@mass.gov)  
**Cc:** ["NEWHALL, CHRISTOPHER P"](#); [Mike Howard](#)  
**Subject:** RE: NOI - Eversource's Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities (electronic submission)  
**Date:** Wednesday, February 16, 2022 2:04:00 PM

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Good afternoon,

The sharefile link below includes a PDF copy of the Notice of Intent application for Eversource's Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities project located in Boston. An application was previously sent to DMF on February 2, 2022 for this project. The Boston Conservation Commission reviewed the application and requested additional information. An updated NOI application including the Commission's requested information can be downloaded from the sharefile link below. If you have any questions, need additional information, or have difficulty downloading the application please let me know.

<https://epsilon.sharefile.com/d-s656cd06680ea484a87dc34f386aded02>

Thank you,  
Megan

**Megan Kearns, PWS** | Senior Scientist

**Epsilon Associates, Inc.**

3 Mill & Main Place, Suite 250

Maynard, Massachusetts 01754

978.897.7100 | 978.461.6260 (direct) | 949.945.4010 (mobile)

[mkearns@epsilonassociates.com](mailto:mkearns@epsilonassociates.com) | [www.epsilonassociates.com](http://www.epsilonassociates.com)

---

**From:** Megan Kearns

**Sent:** Wednesday, February 2, 2022 1:22 PM

**To:** DMF.EnvReview-North@mass.gov

**Cc:** NEWHALL, CHRISTOPHER P <christopher.newhall@eversource.com>; Mike Howard <mhoward@epsilonassociates.com>

**Subject:** NOI - Eversource's Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities (electronic submission)

Good afternoon,

The sharefile link below includes a PDF copy of the Notice of Intent application for Eversource's Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities project located in Boston. A hard copy of the NOI has also been sent via FedEx to the North Shore Office at 30 Emerson Avenue in Gloucester. If you have any questions or difficulty downloading the file please let me know. Thank you.

<https://epsilon.sharefile.com/d-s98e7dc70c9b84c7f9a4308446ff43918>

Best,  
Megan

**Megan Kearns, PWS** | Senior Scientist

**Epsilon Associates, Inc.**

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# Notice of Intent

Massachusetts Wetlands Protection Act (M.G.L. c. 131 §.40)  
Boston Wetlands Ordinance (Chapter 7-1.4)

## **Greater Cambridge Energy Program Geotechnical Boring & Test Pit Activities**

*Submitted to:*

**Boston Conservation Commission**

*Submitted by:*

**NSTAR Electric Company d/b/a Eversource Energy**

*Prepared by:*

**Epsilon Associates, Inc.**

February 16, 2022

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## **Checklist for Filing a Notice of Intent with Boston Conservation Commission**

In order for the Boston Conservation Commission to effectively process your Notice of Intent, BCC requests that you complete the checklist below and include it with your submission. If you should need assistance please contact Commission Staff: 617-635-3850 ([cc@boston.gov](mailto:cc@boston.gov)).

Please Submit the Following to the Conservation Commission:

- ✓ Two copies (a signed original and 1 copy) of a completed Notice of Intent (WPA Form 3)
- ✓ Two copies (a signed original and 1 copy) of a completed Boston Notice of Intent (Local Form)
- ✓ Two copies of plans (reduced to 11" X 17") in their final form with engineer's stamp affixed supporting calculations and other documentation necessary to completely describe the proposed work and mitigating measures. Plans must include existing conditions, the proposed project, erosion controls and mitigation measures, grading and spot elevations and all wetland resource areas and associated buffer zones. Some projects may require both an aerial view of the plans along with a profile view of plans depending on the scope of work.
- ✓ Two copies of an 8 ½" x 11" section of the [USGS quadrangle map](#) of the area, containing sufficient information for the Conservation Commission and the Department to locate the site of the work.
- ✓ (If applicable) Two copies the Federal Emergency Management Agency Flood Insurance Rate Map for the project site. FEMA Flood Maps: <https://msc.fema.gov/portal>.
- N/A  Two copies of the determination regarding the Natural Heritage and Endangered Species Program: Review Section C. Other Applicable Standards and Requirements of the Notice of Intent, page 4 of 8, pertaining to wildlife habitat. The Conservation Commission and the [Natural Heritage & Endangered Species Program](#) have the maps necessary to make this determination.
- N/A  (If applicable) Two hard copies of a Stormwater Report to document compliance with the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q), including associated drainage calculations for rooftops, parking lots, driveways, etc., for the required design storm events.
- ✓ (If applicable) A narrative detailing best management practices for stormwater management as set forth in the Stormwater Management Standards of the Massachusetts Department of Environmental Protection and any separate standards and guidelines prepared by the City and the Boston Water and Sewer Commission.
- ✓ (If applicable) Two hard copies of the Checklist for Stormwater Report
- N/A  Details of the stormwater management system, including: catch basins, oil separating tanks, detention basins, outfalls, sewer connections, etc.
- ✓ Any photographs related to the project representing the wetland resource areas.
- ✓ Two copies of a detailed project narrative describing the following: an overview of the entire project, the work proposed within wetland resource areas and/or buffer zones; how the performance standards specific to the wetland resource areas will be met (listing out each performance standard); a consideration of the effect that projected sea level rise, changes in storm intensity and frequency, and other consequences of climate change may have on the resource areas and proposed activities; construction equipment and material involved; and measures to protect wetland resource areas and mitigate impacts. The applicant shall also include narrative on how they plan to integrate climate change and adaptation planning considerations into their project to promote climate resilience to protect and promote Resource Area Values and functions into the future.
- ✓ Two copies of an Abutters List, Affidavit of Service and [Abutter Notification](#), filed concurrently with the Notice of Intent. Abutter notices shall be sent in both English and the second most commonly spoken language(s) in the neighborhood(s) where the project is proposed. Notices shall also include Babel notice cards for additional translation and language access services. [All abutters within 300' of the project](#)

## **Checklist for Filing a Notice of Intent with Boston Conservation Commission**

[property line](#) must be notified including those in a neighboring municipality. In such an instance, a copy of the filing must also be sent to the local Conservation Commission of the neighboring municipality.  
EXCEPTION: When work is in land under water bodies and waterways or on a tract of land greater than 50 acres, written notification must only be given to abutters within 300 feet of the “project site.”

N/A  Two copies of the BPDA Climate Resiliency Checklist (for new buildings). This can be completed online at <http://www.bostonplans.org/planning/planning-initiatives/article-37-green-building-guidelines>. Please print the pdf that you will receive via email after completion and include it in your submission.

**Electronic copies.** Documents may be submitted via email, or via an email link to downloadable documents.



To minimize the use of non-recyclable materials ***please do not include vinyl or plastic binders, bindings, folders or covers with the filing.*** Staples and binder clips are good choices.

**Boston Ordinance NOI Form**

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## INSTRUCTIONS FOR COMPLETING APPLICATION NOTICE OF INTENT – BOSTON NOI FORM

The Boston Notice of Intent Form is intended to be a supplement to the WPA Form 3 detailing impacts to locally designated wetland resource areas and buffer zones. Please read these instructions for assistance in completing the Notice of Intent application form. These instructions cover certain items on the Notice of Intent form that are not self-explanatory.

### INSTRUCTIONS TO SECTION B: BUFFER ZONE AND RESOURCE AREA IMPACTS

Item 1. Buffer Zone Only. If you check the Buffer Zone Only box in this section you are indicating that the project is entirely in the Buffer Zone to a resource area **under both** the Wetlands Protection Act and Boston Wetlands Ordinance. If so, skip the remainder of Section B and go directly to Section C. Do not check this box if the project is within the Waterfront Area.

Item 2. The **boundaries of coastal resource areas** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

Item 3. The **boundaries of inland resource areas** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

### INSTRUCTIONS TO SECTION C: OTHER APPLICABLE STANDARDS AND REQUIREMENTS

Item 1. Rare Wetland Wildlife Habitat. Except for Designated Port Areas, no work (including work in the Buffer Zone) may be permitted in any resource area that would have adverse effects on the habitat of rare, “state-listed” vertebrate or invertebrate animal species.

The most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife is published by the Natural Heritage and Endangered Species Program (NHESP). See: [http://maps.massgis.state.ma.us/PRI\\_EST\\_HAB/viewer.htm](http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm) or the *Massachusetts Natural Heritage Atlas*.

If any portion of the proposed project is located within Estimated Habitat, the applicant must send the Natural Heritage Program, at the following address, a copy of the Notice of Intent by certified mail or priority mail (or otherwise sent in a manner that guarantees delivery within two days), no later than the date of the filing of the Notice of Intent with the Conservation Commission.

Evidence of mailing to the Natural Heritage Program (such as Certified Mail Receipt or Certificate of Mailing for Priority Mail) must be submitted to the Conservation Commission along with the Notice of Intent.

Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife  
1 Rabbit Hill Road  
Westborough, MA 01581-3336  
508.792.7270



**A. GENERAL INFORMATION**

1. Project Location

Charles River	Boston	02134
a. Street Address	b. City/Town	c. Zip Code
Not applicable - Charles River between River St Bridge and BU Bridge	Not applicable - Charles River between River St Bridge and BU Bridge	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant

Chris	Newhall	NSTAR Electric Company d/b/a Eversource Energy	
a. First Name	b. Last Name	c. Company	
247 Station Drive SE270			
d. Mailing Address			
Westwood	MA	02090	
e. City/Town	f. State	g. Zip Code	
508-735-0387	christopher.newhall@eversource.com		
h. Phone Number	i. Fax Number	j. Email address	

3. Property Owner

Priscilla	Geigis	Department of Conservation and Recreation	
a. First Name	b. Last Name	c. Company	
251 Causeway Street			
d. Mailing Address			
Boston	MA	02114	
e. City/Town	f. State	g. Zip Code	
617-626-1250	priscilla.geigis@mass.gov		
h. Phone Number	i. Fax Number	j. Email address	

Check if more than one owner

(If there is more than one property owner, please attach a list of these property owners to this form.)

4. Representative (if any)

Megan	Kearns	Epsilon Associates, Inc.	
a. First Name	b. Last Name	c. Company	
3 Mill & Main Place, Suite 250			
d. Mailing Address			
Maynard	MA	01754	
e. City/Town	f. State	g. Zip Code	
978-461-6260	mkearns@epsilonassociates.com		
h. Phone Number	i. Fax Number	j. Email address	



5. Is any portion of the proposed project jurisdictional under the Massachusetts Wetlands Protection Act M.G.L. c. 131 §40?

- Yes  No

If yes, please file the WPA Form 3 - Notice of Intent with this form

6. General Information

The Applicant proposes to conduct geotechnical borings and test pits that will be used to advance the design and engineering of proposed underground electric transmission lines. See Attachment A, Project Narrative for more information.

7. Project Type Checklist

- |   |   |
|---|---|
| a. <input type="checkbox"/> Single Family Home                | b. <input type="checkbox"/> Residential Subdivision             |
| c. <input type="checkbox"/> Limited Project Driveway Crossing | d. <input type="checkbox"/> Commercial/Industrial               |
| e. <input type="checkbox"/> Dock/Pier                         | f. <input checked="" type="checkbox"/> Utilities                |
| g. <input type="checkbox"/> Coastal Engineering Structure     | h. <input type="checkbox"/> Agriculture – cranberries, forestry |
| i. <input type="checkbox"/> Transportation                    | j. <input type="checkbox"/> Other                               |

8. Property recorded at the Registry of Deeds

Not applicable.

Not applicable.

a. County

b. Page Number

Not applicable.

Not applicable.

c. Book

d. Certificate # (if registered land)

9. Total Fee Paid

\$2,300.00

\$247.50

\$2,062.50 (includes WPA portion that Boston does not accept)

a. Total Fee Paid

b. State Fee Paid

c. City Fee Paid

**B. BUFFER ZONE & RESOURCE AREA IMPACTS**

Buffer Zone Only - Is the project located only in the Buffer Zone of a resource area protected by the Boston Wetlands Ordinance?

- Yes  No

1. Coastal Resource Areas



<u>Resource Area</u>	<u>Resource Area Size</u>	<u>Proposed Alteration*</u>	<u>Proposed Mitigation</u>
<input type="checkbox"/> Coastal Flood Resilience Zone	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> 25-foot Waterfront Area	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> 100-foot Salt Marsh Area	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> Riverfront Area	_____ Square feet	_____ Square feet	_____ Square feet

2. Inland Resource Areas

<u>Resource Area</u>	<u>Resource Area Size</u>	<u>Proposed Alteration*</u>	<u>Proposed Mitigation</u>
<input type="checkbox"/> Inland Flood Resilience Zone	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> Isolated Wetlands	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> Vernal Pool	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> Vernal Pool Habitat (vernal pool + 100 ft. upland area)	_____ Square feet	_____ Square feet	_____ Square feet
<input type="checkbox"/> 25-foot Waterfront Area	_____ Square feet	_____ Square feet	_____ Square feet
<input checked="" type="checkbox"/> Riverfront Area	~18 s.f. (temporary) _____ Square feet	_____ Square feet	_____ Square feet

**C. OTHER APPLICABLE STANDARDS & REQUIREMENTS**

1. What other permits, variances, or approvals are required for the proposed activity described herein and what is the status of such permits, variances, or approvals?

Access permits from DCR and notification to the Coast Guard.

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2. 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://www.mass.gov/dfwele/dfw/nhosp/nhregmap.htm>.
- Yes  No

If yes, the project is subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18).

**A. Submit Supplemental Information for Endangered Species Review**

- Percentage/acreage of property to be altered:
- (1) within wetland Resource Area \_\_\_\_\_ percentage/acreage
- (2) outside Resource Area \_\_\_\_\_ percentage/acreage
- Assessor's Map or right-of-way plan of site

3. Is any portion of the proposed project within an Area of Critical Environmental Concern?
- Yes  No

If yes, provide the name of the ACEC: \_\_\_\_\_

4. Is the proposed project subject to provisions of the Massachusetts Stormwater Management Standards?

- Yes. Attach a copy of the Stormwater Checklist & Stormwater Report as required.
- Applying for a Low Impact Development (LID) site design credits
  - A portion of the site constitutes redevelopment
  - Proprietary BMPs are included in the Stormwater Management System
- No. Check below & include a narrative as to why the project is exempt
- Single-family house
  - Emergency road repair
  - Small Residential Subdivision (less than or equal to 4 single family houses or less than or equal to 4 units in a multifamily housing projects) with no discharge to Critical Areas

5. Is the proposed project subject to Boston Water and Sewer Commission Review?
- Yes  No





**D. 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 Protection Ordinance.

*Chris Patalall*  
\_\_\_\_\_  
Signature of Applicant

1/19/2022  
\_\_\_\_\_  
Date

*Ronak Meji*  
\_\_\_\_\_  
Signature of Property Owner (if different)

1/25/22  
\_\_\_\_\_  
Date

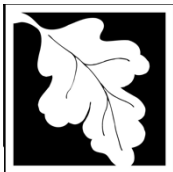
*Megan Keane*  
\_\_\_\_\_  
Signature of Representative (if any)

1/19/2022  
\_\_\_\_\_  
Date

**WPA Form 3 – Notice of Intent**

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**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

**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

Boston

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):

Charles River \_\_\_\_\_ Boston \_\_\_\_\_ 02134  
a. Street Address b. City/Town c. Zip Code

Latitude and Longitude: \_\_\_\_\_  
N/A - Charles River between River St Bridge and BU Bridge \_\_\_\_\_  
d. Latitude e. Longitude  
N/A - Charles River between River St Bridge and BU Bridge.

2. Applicant:

Chris \_\_\_\_\_ Newhall \_\_\_\_\_  
a. First Name b. Last Name

NSTAR Electric Company d/b/a Eversource Energy \_\_\_\_\_  
c. Organization

247 Station Drive SE270 \_\_\_\_\_  
d. Street Address

Westwood \_\_\_\_\_ MA \_\_\_\_\_ 02090  
e. City/Town f. State g. Zip Code

508-735-0387 \_\_\_\_\_ christopher.newhall@eversource.com \_\_\_\_\_  
h. Phone Number i. Fax Number j. Email Address

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

Priscilla \_\_\_\_\_ Geigis \_\_\_\_\_  
a. First Name b. Last Name

Department of Conservation and Recreation \_\_\_\_\_  
c. Organization

251 Causeway Street \_\_\_\_\_  
d. Street Address

Boston \_\_\_\_\_ MA \_\_\_\_\_ 02114  
e. City/Town f. State g. Zip Code

617-626-1250 \_\_\_\_\_ priscilla.geigis@mass.gov \_\_\_\_\_  
h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Megan \_\_\_\_\_ Kearns \_\_\_\_\_  
a. First Name b. Last Name

Epsilon Associates, Inc. \_\_\_\_\_  
c. Company

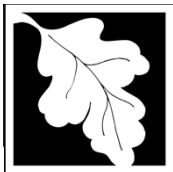
3 Mill & Main Place, Suite 250 \_\_\_\_\_  
d. Street Address

Maynard \_\_\_\_\_ MA \_\_\_\_\_ 01754  
e. City/Town f. State g. Zip Code

978-461-6260 \_\_\_\_\_ mkearns@epsilonassociates.com \_\_\_\_\_  
h. Phone Number i. Fax Number j. Email address

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

\$2,300.00 \_\_\_\_\_ \$247.50 \_\_\_\_\_ \$2,062.50 (includes WPA  
a. Total Fee Paid b. State Fee Paid portion that City doesn't accept)



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

# 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

Boston

City/Town

## A. General Information (continued)

### 6. General Project Description:

The Applicant proposes to conduct geotechnical borings and test pits that will be used to advance the design and engineering of proposed underground electric transmission lines. See Attachment A, Project Narrative for more information.

### 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:

N/A - Charles River between River St Bridge and BU Bridge

Not applicable.

c. Book

Not applicable.

b. Certificate # (if registered land)

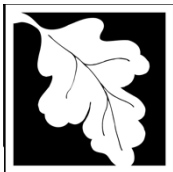
Not applicable.

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.



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands

**WPA Form 3 – Notice of Intent**

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

Provided by MassDEP:

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MassDEP File Number

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Document Transaction Number

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Boston

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City/Town

**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 type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	4 s.f. (temporary) 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**
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: \_\_\_\_\_ square feet

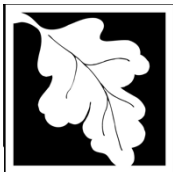
4. Proposed alteration of the Riverfront Area:

a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ 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 checked="" type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	N/A (geotechnical boring)	
	_____	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4.  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

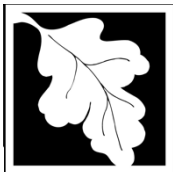
5.  Project Involves Stream Crossings

\_\_\_\_\_

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](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**

2021

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

percentage/acreage

(b) outside Resource Area

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 \*\*

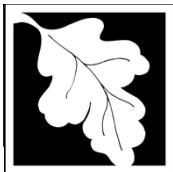
(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/endangered-species-act-mesa-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 <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
836 South Rodney French Blvd.  
New Bedford, MA 02744  
Email: [dmf.envreview-south@mass.gov](mailto:dmf.envreview-south@mass.gov)

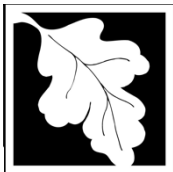
Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930  
Email: [dmf.envreview-north@mass.gov](mailto:dmf.envreview-north@mass.gov)

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.

- c.  Is this an aquaculture project?      d.  Yes       No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).





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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.

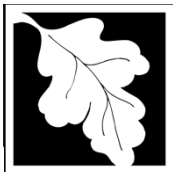
**D. Additional Information**

- 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.

Subsurface Investigation Plan

a. Plan Title

POWER Engineers

b. Prepared By

12/06/2021

d. Final Revision Date

Todd S. Goyette

c. Signed and Stamped by

1" = 100'

e. Scale

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

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:

45390

2. Municipal Check Number

45389

4. State Check Number

Epsilon Associates, Inc.

6. Payor name on check: First Name

1/3/2022

3. Check date

1/3/2022

5. Check date

--

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.

	1/19/2022
1. Signature of Applicant	2. Date
	1/25/22
3. Signature of Property Owner (if different)	4. Date
	1/19/2022
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.

**Attachment A**

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Narrative

# ATTACHMENT A – PROJECT NARRATIVE

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## 1.0 Introduction

On behalf of NSTAR Electric Company d/b/a Eversource Energy, (the “Applicant” or “Eversource”), Epsilon Associates, Inc. (“Epsilon”) is pleased to submit this Notice of Intent (“NOI”) application to conduct two geotechnical borings in the Charles River in the City of Boston. This NOI has been prepared in accordance with the Massachusetts Wetland Protection Act (MGL c.131 s.40) and implementing Regulations (310 CMR 10.00) (the “Act”), and the Boston Wetlands Protection Ordinance (“Ordinance”, Chapter 7.1-4) and implementing regulations.

As explained in further detail below, the Applicant proposes to investigate subsurface conditions beneath the Charles River by conducting two geotechnical borings (B9 and B10) in the river. Data collected from the geotechnical borings will be used by the Applicant to advance the design and engineering of proposed underground electric transmission lines associated with the Applicant’s Greater Cambridge Energy Program, which includes a proposed Horizontal Directional Drill trenchless crossing under the Charles River. **This NOI seeks approval for the geotechnical borings only.** After further advancement of the design and engineering of the transmission lines, a separate NOI will be filed with the Boston Conservation Commission (“BCC”) for approval of the underground transmission line installation work.

In addition, two test pits (TH 132 and TH 133) are also proposed on the River Street Bridge roadway deck. These test pits qualify as minor exempt activities, not subject to regulation under the Massachusetts Wetlands Protection Act and Regulations (see 310 CMR 10.02(2)(b)(1) and 10.58(6)(b)). In addition, the test pits in the 100-foot Buffer Zone are exempt under the Boston Wetland Ordinance (Ordinance 7-1.4(d)(ii)). However, the test pits in the 25-foot Riverfront Area are not exempt under the Ordinance. No borings or test pits are proposed in the local Boston 25-foot Waterfront Area (depicted on the enclosed maps as extending 25-foot from the Riverfront Area (“RFA”).

Additional information describing the proposed geotechnical boring program is provided in the remainder of this application.

## 2.0 Existing Conditions

### 2.1 *Project Area*

The proposed subsurface investigation in Boston will occur within the Charles River between the River Street Bridge and the Boston University Bridge. At this location, the river is bordered by the Dr. Paul Dudley White Bike Path (“Bike Path”), Soldiers Field Road and the Massachusetts Turnpike (I-90). The bank of the Charles River is steep and sparsely vegetated and is located immediately adjacent to the Bike Path. The river is wide at this location, approximately 500 feet. Please refer to the locus maps provided in Attachment B, Figures 1 and 2.

## **2.2 Wetland Resource Areas**

Wetland resources in the project area are associated with the Charles River and include Land Under Water (“LUW”), Inland Bank (“Bank”) and Bordering Land Subject to Flooding (“BLSF”). While the Charles River is dam-controlled and not subject to tidal action, it does function as an Anadromous/Catadromous Fish Run (“Fish Run”). There is also a 25-foot RFA and 100-foot Buffer Zone from the top of Bank. In addition, there is a locally regulated 25-foot “Waterfront Area” subject to jurisdiction under the Boston Ordinance that extends from the 25-foot RFA. Refer to Attachment B, Figure 4 for a depiction of the resource areas in the study area.

The resource area BLSF is limited to the immediate bank area of the river as depicted for the FEMA Special Flood Hazard Area Zone AE (elevation 4 feet, NAVD88 vertical datum) on the current FEMA FIRM dated 9/25/2009 Community Panel No. 25025C0076G for the City of Boston (see Figure 3—FEMA FIRM Panels).

The proposed geotechnical boring program is not located in Natural Heritage and Endangered Species Program (“NHESP”) Priority Habitat of Rare Species or NHESP Estimated Habitats of Rare Wildlife. No potential or certified vernal pools are located near the project area.

### **2.2.1 Inland Bank**

According to 310 CMR 10.54, a Bank is the portion of the land surface which normally abuts and confines a water body. It occurs between a water body and a bordering vegetated wetland and adjacent flood plain, or, in the absence of these, it occurs between a water body and upland. The upper boundary of Bank is the first observable break in slope or the mean annual flood level, whichever is lower. The lower boundary of a Bank is the mean annual low flow level. Under the Act, Bank has a 100-foot buffer zone extending from its edge.

No work is proposed on the Bank; however, two test pits (TH 132 and TH 133) are located in the paved portion of the River Street Bridge within the 100-foot buffer zone to the Bank of the Charles River. However, as described above, this work qualifies as a minor exempt activity under the WPA and the Boston Ordinance.

### **2.2.2 25-Foot Riverfront Area**

RFA is defined by 310 CMR 10.58 (2)(a) as the area of land between a perennial stream/river’s Bank or mean annual high-water line (“MAHWL”) and a parallel line that is generally measured 200 feet horizontally, except in designated densely developed areas, such as Boston, where it extends 25 feet horizontally. The RFA may include or overlap other resource areas or their Buffer Zones. The RFA does not have a Buffer Zone.

As noted above, two test pits (TH 132 and TH 133) are proposed on the River Street Bridge within the 25-foot RFA for the Charles River. As described above, this work qualifies as a minor exempt activity under the WPA but is subject to protection under the Boston Ordinance.

### **2.2.3 Land Under Water Bodies and Waterways**

According to 310 CMR 10.56 (2)(a), Land Under Water Bodies and Waterways (“LUW”) is the land beneath any creek, river, stream, pond or lake. The boundary of LUW is the mean annual low water level. LUW in the Charles River was not formally delineated in the field. However, it exists below the mean low water associated with the toe-of-Inland Bank delineation referenced below. LUW does not have 100-foot Buffer Zone under the Act.

Two geotechnical borings (B9 and B10) are proposed in LUW associated with the Charles River. These borings will be conducted from floating barge that is motored into position and anchored in place. Additional details of this proposed activity are provided below in Section 3.2.

### **2.2.4 Anadromous/Catadromous Fish Run**

According to 310 CMR 10.35, the banks of and land under the ocean, ponds, streams, rivers, lakes or creeks that underlie an Anadromous/Catadromous Fish Run (“Fish Run”) are significant to the protection of marine fisheries. The Charles River in this location is classified as a Fish Run. As described in Section 2.2.3 above, two geotechnical borings (B-9 and B-10) are proposed in the Fish Run/LUW.

### **2.2.5 Waterfront Area**

Under the Boston Wetlands Ordinance, the Waterfront Area is defined as the portion of the buffer zone which extends twenty-five (25) feet horizontally from the edge of the following wetland resource areas: (1) Any coastal beach, dune, bank, tidal flats, rocky intertidal shores, salt marshes or land containing shellfish; or (2) Any inland bank, lake, pond, intermittent stream, brook, creek, or riverfront area. In this case, Waterfront Area extends 25-feet from the edge of the 25-ft RFA described above in Section 2.2.3. Waterfront Areas are likely to be significant to protect the private or public water supply; to protect groundwater; to provide flood control; to prevent storm damage; to prevent pollution; to protect land containing shellfish; to protect wildlife habitat; and to protect the fisheries.

Waterfront Area in the Study Area generally overlays Soldiers Field Road and the ramps leading to the River Street Bridge and is entirely impervious. No work is proposed in Waterfront Area.

## **3.0 Proposed Activities**

### **3.1 Test Pits in Upland Areas**

Two test pits (TH 132 and TH 133) are proposed in the paved portion of the River Street Bridge. As described above, this work is exempt from the need for review and approval under the Act. The test pits in the 100-foot buffer zone are also exempt under Ordinance; however, the test pits in RFA are not exempt under the Ordinance. Eversource is providing the following description of the proposed work to demonstrate the minor nature of the activity and best management practices for implementation to comply with the WPA and Ordinance performance standards.

Test Pits TH132 and TH133 will be conducted using a conventional excavator or, more likely, a vacuum extraction technique (otherwise referred to as “potholing”) combined with hand excavation to identify the exact location and depth of certain existing subsurface utilities or other infrastructure. The potholing technique uses a portable vacuum excavator instead of a shovel or backhoe to remove soils to find existing buried utility lines or other buried infrastructure.

Regardless of technique, the process starts by removing a small section of pavement approximately three feet wide by three feet long, and then excavating down until the utility is found. The excavated soil is temporarily stockpiled and re-used during backfill operations. When the work is complete, the pavement will be patched according to MassDCR and/or MassDOT specifications.

From a schedule perspective, it is anticipated that the referenced test pits can be completed over the course of one or two days.

During test pitting, Eversource’s contractor will utilize the following environmental construction BMPs to avoid, minimize, or mitigate potential impacts to wetland resource areas that have the potential to occur as a result of the activity:

1. Stormwater catch basin inlet protection devices, such as silt sacks, will be installed when soil disturbing activities are being conducted and removed once all test pit work is complete and street surface is patched.
2. Soils will be live loaded into a dump truck or contained within the vacuum excavator holding tank until re-used for backfill of the test pit. If temporary side casting of soils is required, all soils will be removed from the roadway at the end of the working day.
3. Equipment will be regularly inspected and maintained to prevent any inadvertent leaks or releases of fuel, oil, or hydraulic fluids; any leaking equipment will be removed from the work site to be repaired before being brought back to the site.
4. A spill kit(s) will be kept onsite to respond to any potential inadvertent release of fuel, oil, or hydraulic fluid and be of adequate size for the equipment present.
5. The asphalt surface of the street will be restored with an asphalt patch following completion of the test pit and any remaining soils on the street surface will be swept free of sediment.



### **3.2 In Water Geotechnical Borings**

Two geotechnical borings (B-9 and B-10) are proposed in the Charles River in Boston.<sup>1</sup> These borings will be conducted by an experienced marine geotechnical boring contractor that is specifically outfitted to perform such in-water borings. The contractor will access the boring locations using an approximately 25-foot by 23-foot floating barge from which the geotechnical boring drill rig will be operated (a photograph of the drill rig and barge are included in Attachment C). The barge will be fully compliant with all US Coast Guard minimum equipment requirements for the vessel type and the contractor will be responsible for filing all necessary notices to mariners in advance of and during the proposed work. The contractor will most likely be staging out of SPS's yard in Everett, MA. The barge will be motored to the site from Boston Harbor through the Gridley Locks on the Charles River Dam. The barge will travel up the river, similar to other boats in the area. The barge will be accessed using the contractor's 21-foot safety boat. Crews will travel to and from the barge daily on this boat. The barge will be held in place at the location of the boring using multiple anchors or deployable spuds.

To conduct each boring, a four-and-a-half-inch diameter casing will be extended from the water surface to the mud line, such that the boring will be entirely "cased" through the water column to prevent discharge of sediment and potential turbidity while also allowing for the collection and recirculation of water used for lubrication of the drill head during the boring. As a result, all equipment and management of fluids will be contained on the barge and upon completion of the work excess fluids and drill cuttings will be removed from the site and disposed of at an appropriate receiving facility. Because the geotechnical boring activity is contained entirely within the casing and barge, turbidity controls such as silt curtains are not necessary nor proposed.

The two in-water borings in Boston are expected to take approximately 3 to 4 days to complete, plus 2 days to mobilize and demobilize. The barge will be anchored/spudded on the hole during the drilling operations and cannot be moved off the hole during the drilling process. The borings will be completed in the same mobilization event as the in-water boring to be completed on the Cambridge side of the river. The length of time required for the borings is subject to change or be delayed in the event of inclement weather or other unforeseen conditions. It is anticipated that the work will take place in a typical 8-hour workday.

The drill rig and other equipment on the barge can operate for approximately 4 days without having to refuel and the work described herein will likely be completed in 3 to 4 days. In the event that refueling is necessary, the Contractor will be required to move the barge to a shoreline dock

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<sup>1</sup> Note that a separate filing has been made with the Cambridge Conservation Commission seeking approval to conduct one geotechnical boring on the Cambridge side of the Charles River (the municipal boundary is generally the center of the river).

or other marina area for refueling. Additionally, during all on-water activities, the contractor will be required to have a sufficiently sized spill kit on the barge to respond to, contain, and cleanup any potential inadvertent release of fuel, oil, or hydraulic fluid.

#### **4.0 Summary of Wetland Resource Area Alterations and Compliance with Wetlands Protection Act and Ordinance Performance Standards**

##### **4.1 Wetlands Protection Act Performance Standards**

The two in-water geotechnical borings will alter approximately 4 s.f. of LUW and Fish Run associated with the Charles River. A description of how the proposed work will comply with general performance standards set forth in the WPA is included below.

##### **4.1.1 Land Under Water**

A description of how the project meets the performance standards for LUW under 310 CMR 10.56(4)(a) through (c) is outlined below.

**(a) Where the presumption set forth in 310 CMR 10.56(3) is not overcome, any proposed work within Land under Water Bodies and Waterways shall not impair the following:**

- 1. The water carrying capacity within the defined channel, which is provided by said land in conjunction with the banks;**
- 2. Ground and surface water quality;**
- 3. The capacity of said land to provide breeding habitat, escape cover and food for fisheries; and**
- 4. The capacity of said land to provide important wildlife habitat functions. A project or projects on a single lot, for which Notice(s) of intent is filed on or after November 1, 1987, that (cumulatively) alter(s) up to 10% or 5,000 square feet (whichever is less) of land in this resource area found to be significant to the protection of wildlife habitat, shall not be deemed to impair its capacity to provide important wildlife habitat functions. Additional alterations beyond the above threshold may be permitted if they will have no adverse effects on wildlife habitat, as determined by procedures established under 310 CMR 10.60.**
- 5. Work on a stream crossing shall be presumed to meet the performance standard set forth in 310 CMR 10.56(4)(a) provided the work is performed in compliance with the Massachusetts Stream Crossing Standards by consisting of a span or embedded culvert in which, at a minimum, the bottom of a span structure or the upper surface of an embedded culvert is above the elevation of the top of the bank, and the structure spans the channel width by a minimum of 1.2 times the bankfull width. This presumption is rebuttable and may be overcome by the submittal of credible evidence from a**

**competent source. Notwithstanding the requirements of 310 CMR 10.56(4)(a)4., the impact on Land Under Water Bodies and Waterways caused by the installation of a stream crossing is exempt from the requirement to perform a habitat evaluation in accordance with the procedures established under 310 CMR 10.60.**

The proposed geotechnical borings will have no effect on the ability of the Charles River to confine floodwater within its defined channel during storm events and thus will not impair its water carrying capacity.

The proposed geotechnical borings will also have no effect on surface and groundwater quality because the ability of organic soil and sediments to detain and remove dissolved and particulate nutrients from the surface water above will not be modified by the work.

Regarding fisheries and wildlife habitat, the proposed geotechnical borings will result in only minor *de minimus* temporary alterations to the river bottom (well below the 5,000 s.f. / 10% threshold referenced in this standard) and will not therefore impair the capacity of the LUW to provide important wildlife habitat functions (including no changes to bottom cover types, plant communities, or substrate conditions).

Finally, the proposed work does not involve a stream crossing or culvert replacement, as referenced in this standard.

**(b) Notwithstanding the provisions of 310 CMR 10.56(4)(a), the issuing authority may issue an Order in accordance with M.G.L. c. 131, §40 to maintain or improve boat channels within Land under Water Bodies and Waterways when said work is designed and carried out using the best practical measures so as to minimize adverse effects such as the suspension or transport of pollutants, increases in turbidity, the smothering of bottom organisms, the accumulation of pollutants by organisms or the destruction of fisheries habitat or nutrient source areas.**

This standard is not applicable. The proposed work does not involve any activities associated with maintaining or improving boat channels.

**(c) Notwithstanding the provisions of 310 CMR 10.56(4)(a) or (b), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.59.**

This standard is not applicable because the proposed work is not located in mapped Estimated Habitat, as prescribed under 310 CMR 10.59.

#### **4.1.2 Fish Run**

Similarly, the two proposed geotechnical borings will temporarily alter approximately 4 s.f. of Fish Run associated with the Charles River. However, they will not have an adverse effect on the anadromous or catadromous fish run. A description of how the project meets the performance standards for Fish Run under 310 CMR 10.35(3) through (5) is outlined below.

**(3) Any project on such land or bank shall not have an adverse effect on the anadromous or catadromous fish run by:**

**(a) impeding or obstructing the migration of the fish, unless DMF has determined that such impeding or obstructing is acceptable, pursuant to its authority under M.G.L. c. 130, §19;**

**(b) changing the volume or rate of flow of water within the fish run; or**

**(c) impairing the capacity of spawning or nursery habitats necessary to sustain the various life stages of the fish.**

The proposed geotechnical borings will not impede or obstruct the migration of the fish, change the volume or rate of flow of water within the fish run, or impair the capacity of spawning or nursery habitats necessary to sustain the various life stages of the fish, as the proposed geotechnical borings are temporary in nature and are confined to approximately 4 s.f. of disturbance.

The above notwithstanding, in accordance with the WPA Regulations, a copy of the NOI has been forwarded to MassDMF for review and comment.

**(4) Unless otherwise allowed by DMF pursuant to M.G.L. c. 130, §19, dredging, disposal of Dredged Material or filling in a fish run shall be prohibited between March 15<sup>th</sup> and June 15<sup>th</sup> in any year.**

This standard is not applicable. The Project does not propose any dredging, disposal of Dredged Material, or filling of a fish run.

**(5) Notwithstanding the provisions of 310 CMR 10.35(3), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.**

This standard is not applicable because the proposed work is not located in mapped Estimated Habitat, as prescribed under 310 CMR 10.37.

#### **4.2 Compliance with Boston Wetlands Protection Ordinance Performance Standards**

## **4.2 Boston Wetland Ordinance Performance Standards**

### **4.2.1 Waterfront Area**

According to Section 7-1.4(c)(Jurisdiction) of the Ordinance: *“The Commission therefore may require that any person filing an application (hereinafter, the Applicant) restore or maintain a strip of continuous, undisturbed or restored vegetative cover or waterfront public access throughout the Waterfront Area, unless the Commission determines, based on adequate evidence, that the area or part of it may be altered without harm to the values of the resource areas protected by the Ordinance. Such disturbed areas must be minimized to the greatest extent possible.”*

This standard is not applicable. The proposed geotechnical borings are not located in the Waterfront Area.

### **4.2.2 Riverfront Area**

Two test pits (TH-132 and TH-133) are located in the 25-foot RFA. This work is exempt from review under the Wetlands Protection Act but is not similarly exempt under the Ordinance. While the Ordinance Regulations do not currently prescribe any specific performance standards governing work in the RFA, test pits will have no adverse effect on the ability of the RFA to provide those functions referenced in the Ordinance. For example, the geotechnical borings are located entirely on paved areas associated with the River Street Bridge and these areas be restored to their existing condition upon completion of the work, and in accordance with MassDCR/MassDOT specifications. In addition, no vegetated areas will be altered by the proposed activities, nor will the proposed work impede access to the Charles River. If there are catch basins near the proposed test pits, they will be protected as necessary with silt sacks.

## **4.3 Climate Resiliency Discussion**

The impacts associated with the two geotechnical borings and two test pits are temporary in nature and will not result in any permanent impacts to existing grades, vegetation, or surface elevations. These minor activities will not therefore have any climate change effects relative to sea level rise and/or coastal and inland flooding.

## **5.0 Mitigation Measures**

To ensure wetland resource areas are protected during this work, the following conditions are proposed:

- ◆ The Applicant or Epsilon will notify the Boston Conservation Commission prior to the start of geotechnical investigations.
- ◆ A geotechnical engineer will be present during this field work to observe the subsurface conditions and direct the location of borings for subsurface observations.

- ◆ Test pits will be advanced and expedited to be completed in the same day to the extent practicable to avoid the need for test pits to remain open overnight.
- ◆ Sediment controls in the form of silt sacks will be installed in nearby catch basins to work in the roadway for the test pitting work on the River Street bridge.
- ◆ The Contractor will be required to maintain spill response kits to respond to and contain an accidental release of hydraulic fluid, oil, or fuel. The spill kit will be inspected and replenished prior to work starting. Additional information on mitigation and spill pollution/prevention measures are included in Attachment F.
- ◆ The barge will be fully compliant with all US Coast Guard minimum equipment requirements for the vessel type and the contractor will be responsible for filing all necessary notices to mariners in advance of and during the proposed work.
- ◆ Refueling of the barge will not take place on the water but will occur at a shoreside dock or marina.

## **6.0 Conclusion**

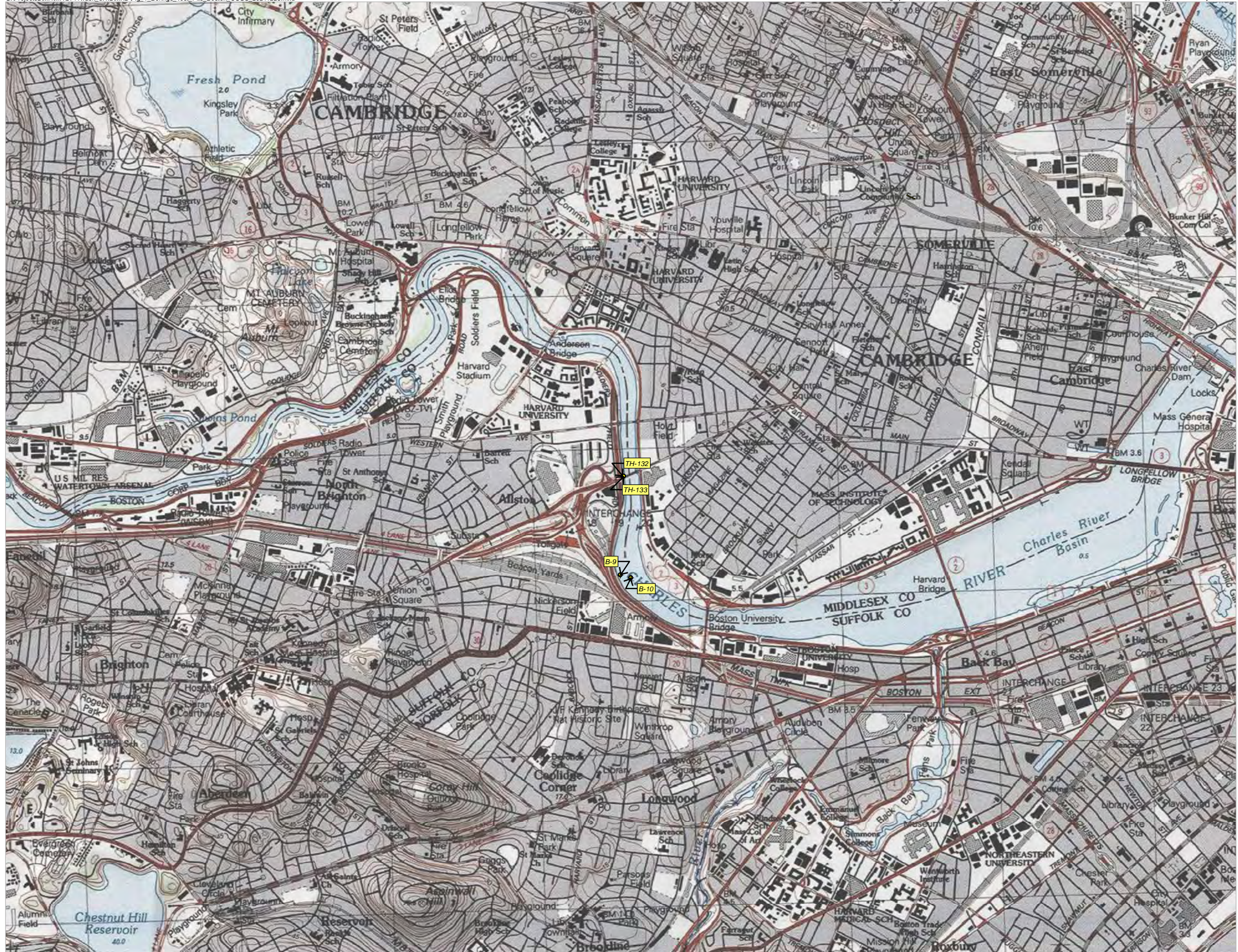
The information contained in this NOI and the accompanying plans sufficiently describes the site, proposed work and the effect of the work on the interests of the identified in the Act and local Ordinance. This work is temporary and will be conducted in a manner such that it would not alter any resource areas or impair the ability of the resource areas from serving the interests of the Act and Ordinance. The applicant therefore respectfully requests that the Boston Conservation Commission issue an Order of Conditions approving the proposed geotechnical borings with appropriate conditions to protect those interests identified in M.G.L. c. 131 §40 and the Ordinance.

**Attachment B**

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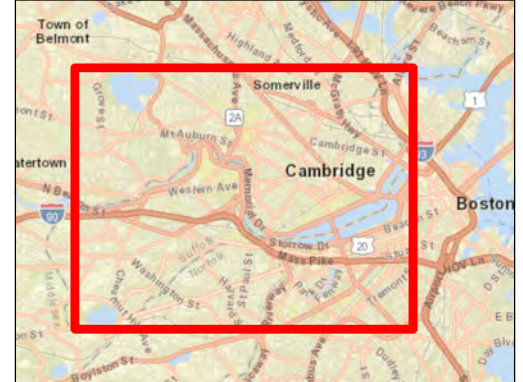
Figures



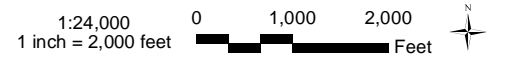
# Greater Cambridge Energy Program



### LOCUS



### SCALE



### LEGEND

- ◆ Boring
- Test Pit

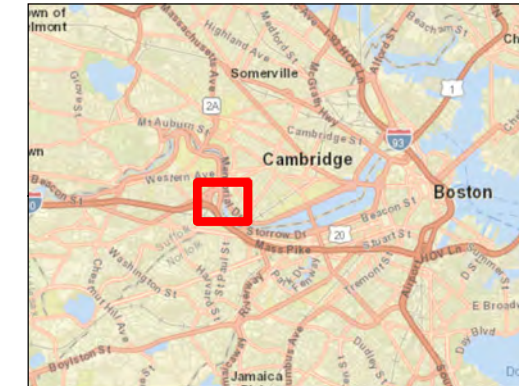
Figure 1  
USGS Locus



# Greater Cambridge Energy Program



## LOCUS



## SCALE

1:3,600  
1 inch = 300 feet

## LEGEND



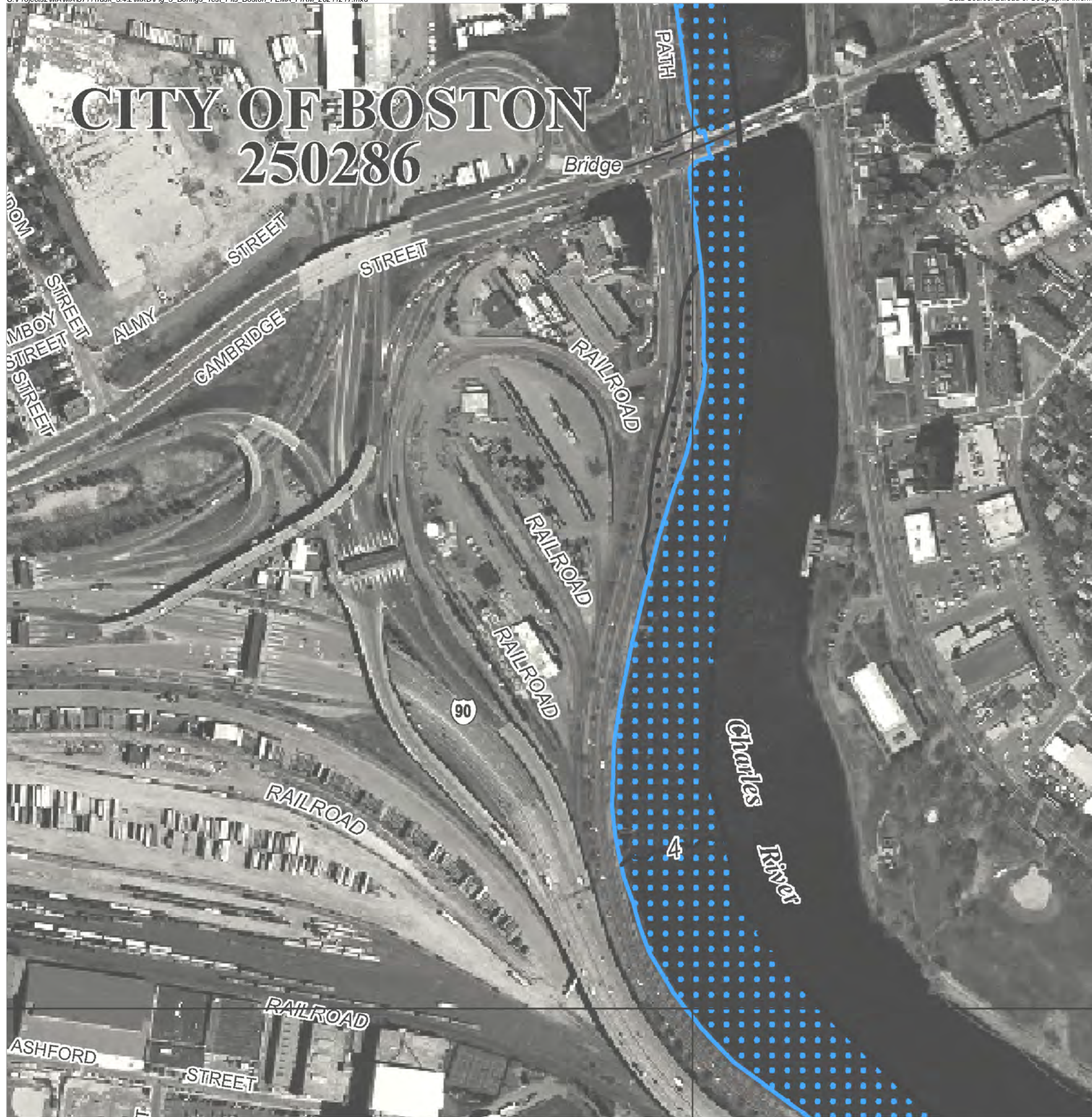
-  Boring
-  Test Pit



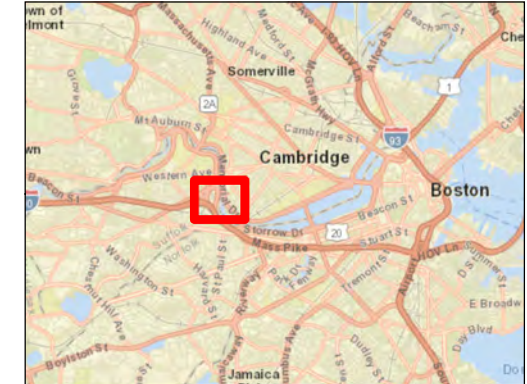
Figure 2  
Aerial Locus



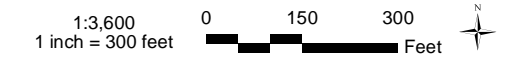
# Greater Cambridge Energy Program



## LOCUS



## SCALE



## LEGEND

	<b>SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD</b> The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, AV, and VE. The base flood elevation is the water-surface elevation of the 1% annual chance flood.
<b>ZONE A</b>	No Base Flood Elevations determined.
<b>ZONE AE</b>	Base Flood Elevations determined.
<b>ZONE AH</b>	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
<b>ZONE AO</b>	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alternate fan flooding, velocities also determined.
<b>ZONE AR</b>	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently abandoned. Zone AR indicates that the former flood control system is being removed to provide protection from the 1% annual chance or greater flood.
<b>ZONE ARF</b>	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
<b>ZONE V</b>	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
<b>ZONE VE</b>	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
	<b>FLOODWAY AREAS IN ZONE AE</b> The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
	<b>OTHER FLOOD AREAS</b> <b>ZONE X</b> Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
	<b>OTHER AREAS</b> <b>ZONE X</b> Areas determined to be outside the 0.2% annual chance floodplain. <b>ZONE D</b> Areas in which flood hazards are undetermined, but possible.
	<b>COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS</b>
	<b>OTHERWISE PROTECTED AREAS (OPAs)</b> CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone (V) boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard into zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations; flood depths or flood velocities.
	Base Flood Elevation line and value; elevation in feet* (EL 987)
	Base Flood Elevation value; where uniform within area; elevation in feet*

**NFIP** **PANEL 0076G**

**FIRM FLOOD INSURANCE RATE MAP**  
SUFFOLK COUNTY, MASSACHUSETTS  
(ALL JURISDICTIONS)

**PANEL 76 OF 151**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
BOSTON, CITY OF	250286	0076	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER 25025C0076G**  
**EFFECTIVE DATE SEPTEMBER 25, 2009**

Federal Emergency Management Agency

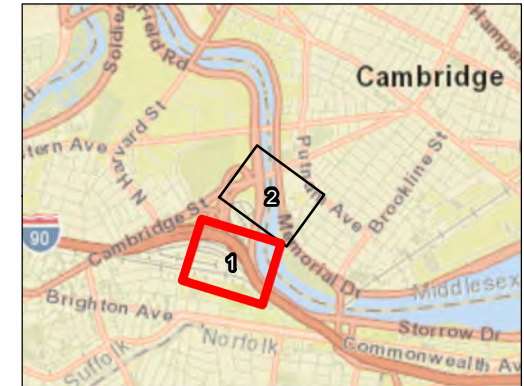
Figure 3  
FEMA FIRM



# Greater Cambridge Energy Program



## LOCUS



## SCALE



## LEGEND

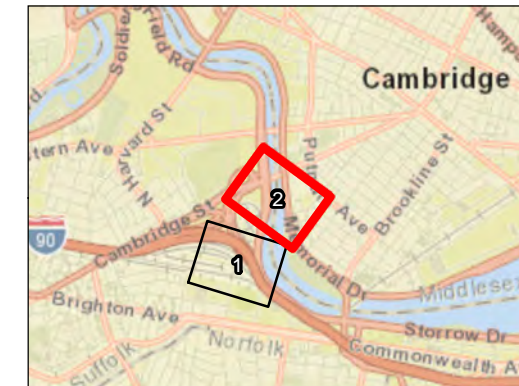
- Boring
- Test Pit
- Land Under Water/Fish Run
- Bordering Vegetated Wetland
- Constructed Stormwater Wetlands (non-jurisdictional)
- Bordering Land Subject to Flooding
- 100-ft Wetland Buffer Zone
- 25-ft Riverfront Area
- 25-ft Waterfront Area
- Bank/Fish Run
- Boston Coastal Flood Resilience Overlay District

**Figure 4, Sheet 1 of 2**  
*Proposed Borings and Test Pits*  
*Map Set*

# Greater Cambridge Energy Program



## LOCUS



## SCALE



## LEGEND

- Boring
- Test Pit
- Land Under Water/Fish Run
- Bordering Vegetated Wetland
- Constructed Stormwater Wetlands (non-jurisdictional)
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- 25-ft Riverfront Area
- 25-ft Waterfront Area
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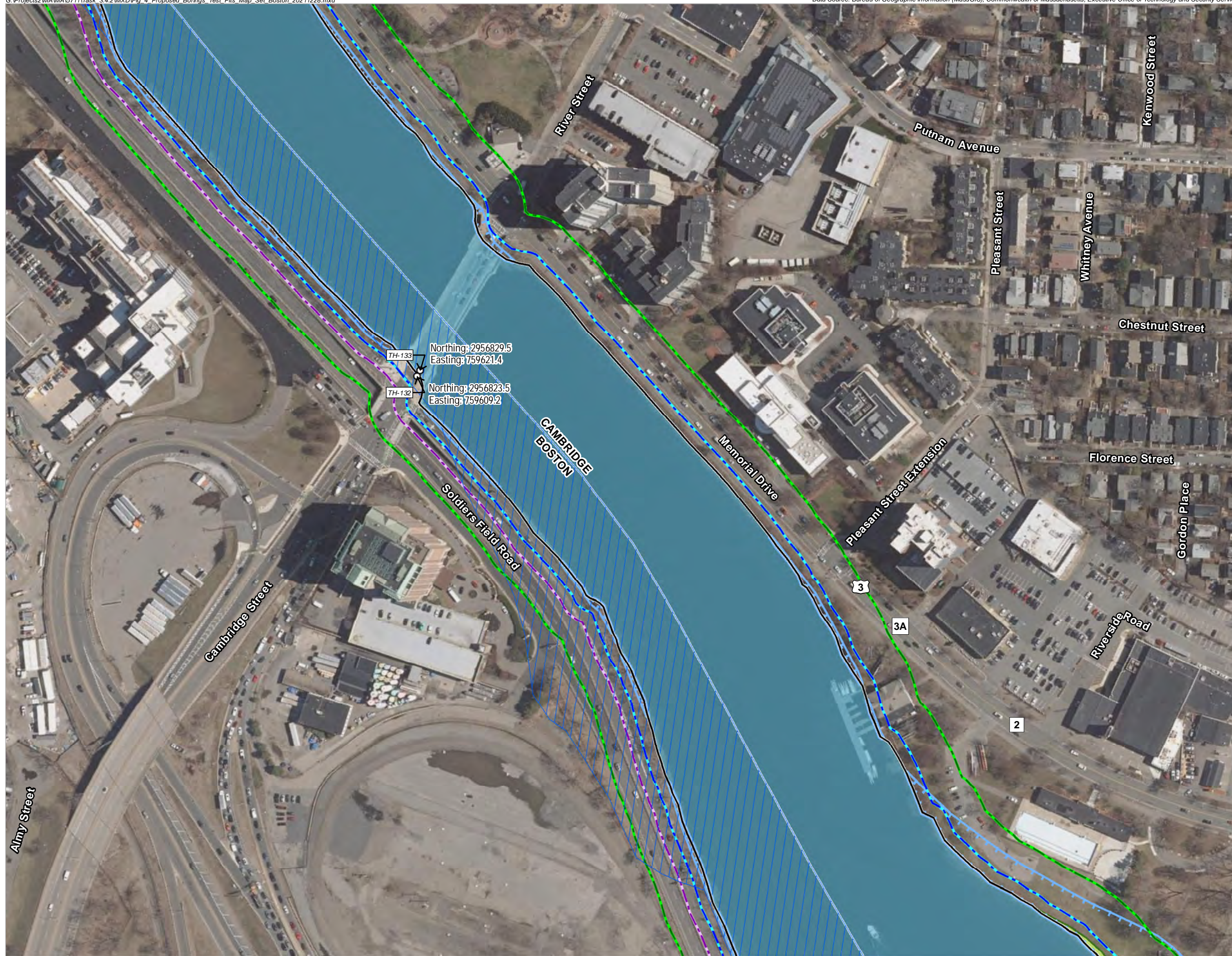


Figure 4, Sheet 2 of 2  
Proposed Borings and Test Pits  
Map Set

**Attachment C**

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Site Photographs



**Photo 1:** View facing south of the Charles River towards Boston from Magazine Beach in Cambridge of the Charles River, where two in-water borings are proposed.



**Photo 2:** View of Soldiers Field Road and bike path facing southeast towards downtown Boston.



**Photo 3:** View of Memorial Drive facing north towards the River Street Bridge.



**Photo 4:** View of Soldiers Field Road facing northwest.



**Photo 5:** Representative photo showing the proposed test pit construction and equipment.



**Photo 6:** View of representative barge and equipment to be used during the in-water portion of the geotechnical work.



**Attachment D**

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Abutter Notification Information



**AFFIDAVIT OF SERVICE  
FOR ABUTTER NOTIFICATION**

**Under the Massachusetts Wetlands Protection Act  
and Boston Wetlands Ordinance**

I, \_\_\_\_\_, hereby certify under pains and penalties of perjury that that at least one week prior to the public hearing, I gave notice to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A \_\_\_\_\_ was filed under the Massachusetts Wetlands Protection Act and/or the Boston Wetlands Ordinance by \_\_\_\_\_ for \_\_\_\_\_ located at \_\_\_\_\_.

The Abutter Notification For, the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

*Megan Keans*

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date



**NOTIFICATION TO ABUTTERS  
BOSTON CONSERVATION COMMISSION**

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. NSTAR Electric Company d/b/a Eversource Energy has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is Charles River.

C. The project involves geotechnical borings for subsurface investigation.

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at [CC@boston.gov](mailto:CC@boston.gov).

E. Copies of the Notice of Intent may be obtained from Megan Kearns by contacting them at 978-461-6260 between the hours of 9:00am - 5:00pm, Monday through Friday.

F. In accordance with the **Chapter 20 of the Acts of 2021**, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing [CC@boston.gov](mailto:CC@boston.gov) or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday**.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald**.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on [www.boston.gov/public-notices](http://www.boston.gov/public-notices) and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to [CC@boston.gov](mailto:CC@boston.gov) or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to [CC@boston.gov](mailto:CC@boston.gov) or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at [CC@boston.gov](mailto:CC@boston.gov) by 12 PM the day before the hearing.



## BABEL NOTICE

English:

**IMPORTANT!** This document or application contains **important information** about your rights, responsibilities and/or benefits. It is crucial that you understand the information in this document and/or application, and we will provide the information in your preferred language at no cost to you. If you need them, please contact us at [cc@boston.gov](mailto:cc@boston.gov) or 617-635-3850.

Spanish:

**¡IMPORTANTE!** Este documento o solicitud contiene **información importante** sobre sus derechos, responsabilidades y/o beneficios. Es fundamental que usted entienda la información contenida en este documento y/o solicitud, y le proporcionaremos la información en su idioma preferido sin costo alguno para usted. Si los necesita, póngase en contacto con nosotros en el correo electrónico [cc@boston.gov](mailto:cc@boston.gov) o llamando al 617-635-3850.

Haitian Creole:

**AVI ENPÒTAN!** Dokiman oubyen aplikasyon sa genyen **enfòmasyon ki enpòtan** konsènan dwa, responsablite, ak/oswa benefis ou yo. Li enpòtan ke ou konprann enfòmasyon ki nan dokiman ak/oubyen aplikasyon sa, e n ap bay enfòmasyon an nan lang ou prefere a, san ou pa peye anyen. Si w bezwen yo, tanpri kontakte nou nan [cc@boston.gov](mailto:cc@boston.gov) oswa 617-635-3850.

Traditional Chinese:

**非常重要！**這份文件或是申請表格包含關於您的權利，責任，和／或福利的重要信息。請您務必完全理解這份文件或申請表格的全部信息，這對我們來說十分重要。我們會免費給您提供翻譯服務。如果您有需要請聯系我們的郵箱 [cc@boston.gov](mailto:cc@boston.gov) 電話# 617-635-3850..

Vietnamese:

**QUAN TRỌNG!** Tài liệu hoặc đơn yêu cầu này chứa **thông tin quan trọng** về các quyền, trách nhiệm và/hoặc lợi ích của bạn. Việc bạn hiểu rõ thông tin trong tài liệu và/hoặc đơn yêu cầu này rất quan trọng, và chúng tôi sẽ cung cấp thông tin bằng ngôn ngữ bạn muốn mà không tính phí. Nếu quý vị cần những dịch vụ này, vui lòng liên lạc với chúng tôi theo địa chỉ [cc@boston.gov](mailto:cc@boston.gov) hoặc số điện thoại 617-635-3850.

Simplified Chinese:

**非常重要！**这份文件或是申请表格包含关于您的权利，责任，和／或福利的重要信息。请您务必完全理解这份文件或申请表格的全部信息，这对我们来说十分重要。我们会免费给您提供翻译服务。如果您有需要请联系我们的邮箱 [cc@boston.gov](mailto:cc@boston.gov) 电话# 617-635-3850.

Cape Verdean Creole:

**INPURTANTI!** Es dukumentu ó aplikason ten **informason inpur tanti** sobri bu direitus, rasponsabilidadi i/ó benefisius. Ê krusial ki bu intendi informason na es dukumentu i/ó aplikason ó nu ta da informason na língua di bu preferênsia sen ninhun kustu pa bó. Si bu prisiza del, kontata-nu na [cc@boston.gov](mailto:cc@boston.gov) ó 617-635-3850.

Arabic:

**مهم!** يحتوي هذا المستند أو التطبيق على معلومات مهمة حول حقوقك ومسؤولياتك أو فوائدك. من الأهمية أن تفهم المعلومات الواردة في هذا المستند أو التطبيق. سوف نقدم المعلومات بلغتك المفضلة دون أي تكلفة عليك. إذا كنت في حاجة إليها، يرجى الاتصال بنا على [cc@boston.gov](mailto:cc@boston.gov) أو 617-635-3850.

Russian:

**ВАЖНО!** В этом документе или заявлении содержится **важная информация** о ваших правах, обязанностях и/или льготах. Для нас очень важно, чтобы вы понимали приведенную в этом документе и/или заявлении информацию, и мы готовы бесплатно предоставить вам информацию на предпочитаемом вами языке. Если Вам они нужны, просьба связаться с нами по адресу электронной почты [cc@boston.gov](mailto:cc@boston.gov), либо по телефону 617-635-3850.

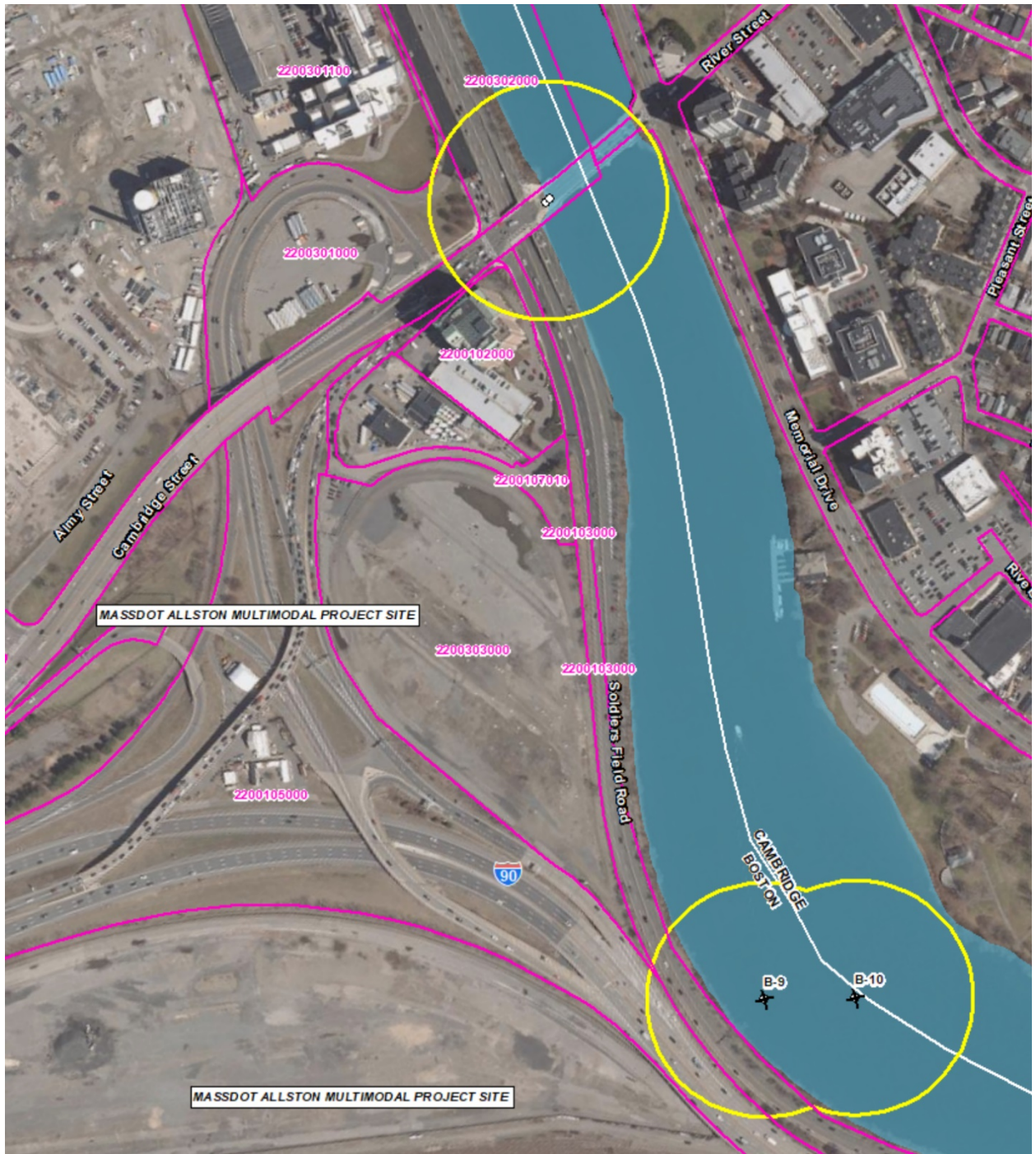
Portuguese:

**IMPORTANTE!** Este documento ou aplicativo contém **Informações importantes** sobre os seus direitos, responsabilidades e/ou benefícios. É importante que você compreenda as informações contidas neste documento e/ou aplicativo, e nós iremos fornecer as informações em seu idioma de preferência sem nenhum custo para você. Se precisar deles, fale conosco: [cc@boston.gov](mailto:cc@boston.gov) ou 617-635-3850.

French:

**IMPORTANT !** Ce document ou cette demande contient des **informations importantes** concernant vos droits, responsabilités et/ou avantages. Il est essentiel que vous compreniez les informations contenues dans ce document et/ou cette demande, que nous pouvons vous communiquer gratuitement dans la langue de votre choix. Si vous en avez besoin, veuillez nous contacter à [cc@boston.gov](mailto:cc@boston.gov) ou au 617-635-3850.









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# Certification of Translation

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COUNTY OF SUFFOLK  
COMMONWEALTH OF MASSACHUSETTS

On the day of December 30, 2021

Linguistic Systems, Inc., 260 Franklin Street, Suite 230, Boston, Massachusetts 02110, completed the attached translation from English into Simplified Chinese.

I, Xiaohua Fu, certify that the attached translated document has been translated by a qualified and vetted linguist fluent in both English and Simplified Chinese and is a true, correct and accurate Simplified Chinese version of the original English, to the best of the linguist's knowledge and belief.

File name: Abutter Notification COVID-19 Form\_Fillable\_12-17-21

*Fu Xiaohua*

Xiaohua Fu  
Translation Project Manager





### 波士顿保护委员会邻近住户通知

根据《马萨诸塞州湿地保护法》、《马萨诸塞州普通法》第 131 章第 40 节以及《波士顿湿地条例》的规定，我们特此向您，即向波士顿保护委员会提出申请的项目的邻近住户，发出以下通知。

A. NSTAR Electric d/b/a Eversource Energy 已向波士顿保护委员会发出意向通知书，请求批准改建一块受《湿地保护法》（《普通法》第 131 章第 40 节）和《波士顿湿地条例》保护的地块。

B. 拟开展改建活动的地块地址为：查尔斯河(Charles River)。

C. 该项目涉及：地质勘察岩土工程钻孔。

D. 可通过联系波士顿保护委员会取得意向通知书的副本，电子邮件是 [CC@boston.gov](mailto:CC@boston.gov)。

E. 您可于星期一至星期五，上午 9:00 至下午 5:00 拨打电话 978-461-6260 联系 Megan Kearns 获取意向通知书的副本。

F. 根据《2021 年法案》第 20 章，公开听证会将在网上 <https://zoom.us/j/6864582044> 进行。如果无法登录互联网，则可致电 1-929-205-6099，输入会议编号 (ID) 686 458 2044 #，然后使用 # 作为您参与的编号 (ID)。

G. 您可于星期一至星期五上午 9 点至下午 5 点期间联系波士顿保护委员会，咨询公开听证会举行的日期和时间，邮箱地址 [CC@boston.gov](mailto:CC@boston.gov)，电话：**(617) 635-3850**。

注：公开听证会的通知（包括其举行日期、时间和地点）将提前至少五 (5) 天在《波士顿先驱报》上予以公布。

注：公开听证会的通知（包括其举行日期、时间和地点）将提前至少四十八 (48) 小时发布在以下网页之上以及波士顿市政厅内：[www.boston.gov/public-notices](http://www.boston.gov/public-notices)。如果您想要提出意见，您可以参加该公开听证会或将书面形式的意见发送至 [Cc@boston.gov](mailto:Cc@boston.gov) 或波士顿市政厅，邮寄地址：马萨诸塞州波士顿市市政厅广场 1 号 709 室环保部，邮编：MA 02201

注：如果您想要提出意见，您可以参加该公开听证会或将书面形式的意见发送至 [Cc@boston.gov](mailto:Cc@boston.gov) 或波士顿市政厅，邮寄地址：马萨诸塞州波士顿市市政厅广场 1 号 709 室环保部，邮编：MA 02201

注：您也可以联系波士顿保护委员会或环境保护部东北地区办公室，咨询有关此项申请或《湿地保护法》的更多信息。如要联系环境保护部，请致电：东北地区：**(978) 694-3200**。

注：如果您准备参加该公开听证会并需要口译服务，则请在听证会举行前一天的中午 12 点前，通过电子邮箱 [Cc@boston.gov](mailto:Cc@boston.gov) 告知工作人员。



**NOTIFICATION TO ABUTTERS  
BOSTON CONSERVATION COMMISSION**

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. NSTAR Electric d/b/a Eversource Energy has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is Charles River.

C. The project involves geotechnical borings for subsurface investigation.

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at [CC@boston.gov](mailto:CC@boston.gov).

E. Copies of the Notice of Intent may be obtained from Megan Kearns by contacting them at 978-461-6260 between the hours of 9:00am - 5:00pm, Monday through Friday.

F. In accordance with the Chapter 20 of the Acts of 2021, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing [CC@boston.gov](mailto:CC@boston.gov) or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday**.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald**.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on [www.boston.gov/public-notices](http://www.boston.gov/public-notices) and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to [CC@boston.gov](mailto:CC@boston.gov) or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to [CC@boston.gov](mailto:CC@boston.gov) or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at [CC@boston.gov](mailto:CC@boston.gov) by 12 PM the day before the hearing.



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# Certification of Translation

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COUNTY OF SUFFOLK  
COMMONWEALTH OF MASSACHUSETTS

On the day of December 30, 2021

Linguistic Systems, Inc., 260 Franklin Street, Suite 230, Boston, Massachusetts 02110, completed the attached translation from English into Traditional Chinese.

I, Xiaohua Fu, certify that the attached translated document has been translated by a qualified and vetted linguist fluent in both English and Traditional Chinese and is a true, correct and accurate Traditional Chinese version of the original English, to the best of the linguist's knowledge and belief.

File name: Abutter Notification COVID-19 Form\_Fillable\_12-17-21

*Fu Xiaohua*

Xiaohua Fu  
Translation Project Manager



### 波士頓自然保護委員會給異議者的通知

鑒於您是向波士頓保護委員會提交專案的異議者，我方特此根據《麻塞諸塞州濕地保護法》、《麻塞諸塞州普通法》第 131 章第 40 節和《波士頓濕地條例》，向您發出通知。

A. **NSTAR Electric d/b/a Eversource Energy** 已向波士頓保護委員會提交了一份意向通知書，要求允許改變濕地保護法（一般法律第 131 章第 40 節）和波士頓濕地條例規定的保護區域。

B. 擬進行活動的地段位於查理斯河 (Charles River)。

C. 該專案涉及地下調查的岩土鑽探。

D. 您可透過以下電郵聯絡波士頓保護委員會獲得意向通知的副本：

[CC@boston.gov](mailto:CC@boston.gov).

E. 您可以從 **Megan Kearns** 獲取意向通知書的副本，聯絡電話是 978-461-6260，時間是週一至週五的上午 9:00 - 下午 5:00。

F. 根據 2021 年法案第 20 章的規定，公開聽證會將在 <https://zoom.us/j/6864582044> 上進行。若您無法存取網際網路，您可以撥打 1-929-205-6099，輸入會議編號 686 458 2044#，並使用 # 作為您的參與者編號。

G. 有關公開聽證會的日期和時間等資訊，可以從**波士頓保護委員會**獲得。請發送電子郵件至 [CC@boston.gov](mailto:CC@boston.gov) 或在週一至週五上午 9 點至下午 5 點之間致電 **(617) 635-3850**。

注意：公開聽證會的通知，包括其日期、時間和地點，將至少提前五天在《波士頓先驅報》上公佈。

注意：公開聽證會的通知，包括其日期、時間和地點，將至少提前四十八 (48) 小時在 [www.boston.gov/public-notices](http://www.boston.gov/public-notices)，並在波士頓市政廳張貼。若您想提供意見，您可以出席公聽會或將書面意見寄到 [Cc@boston.gov](mailto:Cc@boston.gov) 或波士頓市政廳環境部 709 室，1 City Hall Square, Boston, MA 02201。

注意：若您想提供意見，您可以出席公聽會或將書面意見寄到 [Cc@boston.gov](mailto:Cc@boston.gov) 或波士頓市政廳環境部，地址位於波士頓市政廳廣場 1 號 709 室，麻薩諸塞州 02201。

注意：您也可以聯絡波士頓保護委員會或環境保護部東北地區辦事處，以獲得更多關於此申請或濕地保護法的資訊。若要聯絡環境保護部，請致電：東北地區：(978) 694-3200。

注意：若您計畫參加公聽會並需要翻譯，請在公聽會前一天下午 12 點前通知工作人員，[Cc@boston.gov](mailto:Cc@boston.gov)。



**NOTIFICATION TO ABUTTERS  
BOSTON CONSERVATION COMMISSION**

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A. NSTAR Electric d/b/a Eversource Energy has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is Charles River.

C. The project involves geotechnical borings for subsurface investigation.

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at [CC@boston.gov](mailto:CC@boston.gov).

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F. In accordance with the Chapter 20 of the Acts of 2021, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing [CC@boston.gov](mailto:CC@boston.gov) or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday**.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald**.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on [www.boston.gov/public-notices](http://www.boston.gov/public-notices) and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to [CC@boston.gov](mailto:CC@boston.gov) or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

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NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at [CC@boston.gov](mailto:CC@boston.gov) by 12 PM the day before the hearing.



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# Certification of Translation

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COUNTY OF SUFFOLK  
COMMONWEALTH OF MASSACHUSETTS

On the day of December 30, 2021

Linguistic Systems, Inc., 260 Franklin Street, Suite 230, Boston, Massachusetts 02110, completed the attached translation from English into Spanish (Latin America).

I, Xiaohua Fu, certify that the attached translated document has been translated by a qualified and vetted linguist fluent in both English and Spanish (Latin America) and is a true, correct and accurate Spanish (Latin America) version of the original English, to the best of the linguist's knowledge and belief.

File name: Abutton Notification COVID-19 Form\_Fillable\_12-17-21

*Fu Xiaohua*

Xiaohua Fu  
Translation Project Manager





## NOTIFICACIÓN PARA PROPIETARIOS Y/O VECINOS COLINDANTES COMISIÓN DE CONSERVACIÓN DE BOSTON

De conformidad con la Ley de protección de los humedales de Massachusetts, el Capítulo 131, Sección 40 de las Leyes Generales de Massachusetts y la Ordenanza sobre los humedales de Boston, por la presente queda usted notificado como propietario o vecino colindante de un proyecto presentado ante la Comisión de Conservación de Boston.

A. NSTAR Electric d/b/a Eversource Energy ha presentado una solicitud a la Comisión de Conservación de Boston pidiendo permiso para modificar una zona sujeta a protección en virtud de la Ley de protección de los humedales (Leyes generales, capítulo 131, sección 40) y la Ordenanza sobre los humedales de Boston.

B. La dirección del lote donde se propone la actividad es Charles River.

C. El proyecto consiste en sondeos geotécnicos para la investigación del subsuelo.

D. Se pueden obtener copias del Aviso de Intención comunicándose con la Comisión de Conservación de Boston en [CC@boston.gov](mailto:CC@boston.gov).

E. Las copias de la notificación de intención pueden obtenerse a través de Megan Kearns comunicándose al 978-461-6260, entre las 9.00 a.m. y las 5.00 p.m., de lunes a viernes.

F. De acuerdo con el Decreto Ejecutivo de la Mancomunidad de Massachusetts que suspende ciertas disposiciones de la Ley de reuniones abiertas, la audiencia pública se llevará a cabo virtualmente en <https://zoom.us/j/6864582044>. Si no puede acceder a Internet, puede llamar al 1-929-205-6099, ingresar ID de reunión 686 458 2044 # y usar # como su ID de participante.

G. La información relativa a la fecha y hora de la audiencia pública puede solicitarse a la **Comisión de Conservación de Boston** por correo electrónico a [CC@boston.gov](mailto:CC@boston.gov) o llamando al **(617) 635-3850** entre las **9 AM y las 5 PM, de lunes a viernes**.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en el **Boston Herald** con al menos cinco (5) días de antelación.

NOTA: La notificación de la audiencia pública, incluida su fecha, hora y lugar, se publicará en [www.boston.gov/public-notices](http://www.boston.gov/public-notices) y en el Ayuntamiento de Boston con no menos de cuarenta y ocho (48) horas de antelación. Si desea formular comentarios, puede asistir a la audiencia pública o enviarlos por escrito a [CC@boston.gov](mailto:CC@boston.gov) o al Ayuntamiento de Boston, Departamento de Medio Ambiente, Sala 709, 1 City Hall Square, Boston, MA 02201.

NOTA: También puede comunicarse con la Comisión de Conservación de Boston o con la Oficina Regional del Noreste del Departamento de Protección Ambiental para obtener más información sobre esta solicitud o la Ley de Protección de Humedales. Para comunicarse con el DEP, llame a la Región Noreste: (978) 694-3200.



City of Boston  
Environment



City of Boston  
Mayor Martin J. Walsh

NOTA: Si tiene previsto asistir a la audiencia pública y necesita servicios de interpretación, sírvase informar al personal en [CC@boston.gov](mailto:CC@boston.gov) antes de las 12 PM del día anterior a la audiencia.





**NOTIFICATION TO ABUTTERS  
BOSTON CONSERVATION COMMISSION**

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

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B. The address of the lot where the activity is proposed is Charles River.

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E. Copies of the Notice of Intent may be obtained from Megan Kearns by contacting them at 978-461-6260 between the hours of 9:00am - 5:00pm, Monday through Friday.

F. In accordance with the Chapter 20 of the Acts of 2021, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

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NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at [CC@boston.gov](mailto:CC@boston.gov) by 12 PM the day before the hearing.

**Attachment E**

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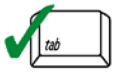
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Filing Fee Information



**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>Charles River</u>	<u>Boston</u>
a. Street Address	b. City/Town
<u>45389</u>	<u>\$247.50</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Chris</u>	<u>Newhall</u>	
a. First Name	b. Last Name	
<u>NSTAR Electric Company d/b/a Eversource Energy</u>		
c. Organization		
<u>247 Station Drive SE270</u>		
d. Mailing Address		
<u>Westwood</u>	<u>MA</u>	<u>02090</u>
e. City/Town	f. State	g. Zip Code
<u>508-735-0387</u>	<u>christopher.newhall@eversource.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

<u>Priscilla</u>	<u>Geigis</u>	
a. First Name	b. Last Name	
<u>Department of Conservation and Recreation</u>		
c. Organization		
<u>251 Causeway Street</u>		
d. Mailing Address		
<u>Boston</u>	<u>MA</u>	<u>02114</u>
e. City/Town	f. State	g. Zip Code
<u>617-626-1250</u>	<u>priscilla.geigis@mass.gov</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
2j - Geotechnical borings	1	\$500.00	\$500.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<b>Step 5/Total Project Fee:</b>			\$500.00
<b>Step 6/Fee Payments:</b>			
Total Project Fee:			\$500.00
			a. Total Fee from Step 5
State share of filing Fee:			\$247.50
			b. 1/2 Total Fee <b>less</b> \$12.50
City/Town share of filing Fee:			\$262.50 + \$1800.00 (bylaw fee)

**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.)

Area Values and functions into the future, addressing climate equity and environmental justice, as well as an alternatives analysis describing all of the climate resiliency measures that could be taken and a reasoning as to why they are not feasible.

## 6. Areas of Critical Environmental Concern

Any areas within the City of Boston which have been designated as Areas of Critical Environmental Concern are so designated due to the particularly unique environmental factors that affect such areas and that highlight the unique importance of each area. The Commission employs the highest standards of scrutiny on any proposal involving an application of new pavement or newly installed other impervious materials within any area less than one hundred (100) feet from bordering vegetated wetland, bank, beach, and meadow.

At a minimum, applicants must include the following information in their application:

1. A description and numerical value of the current and post-project impervious surface coverage,
2. A site plan detailing an inventory of trees and other vegetation,
3. An assessment of the potential lighting and noise impacts from the proposal and mitigation measures that will be employed,
4. A description of current and post-project wildlife corridors and public access (where applicable),
5. A land conservation plan or maintenance plan (where applicable), and
6. An alternatives analysis describing all alternatives to the proposal as to minimize or eliminate adverse impacts to the protected resources.

## 6. Filing fees

The City of Boston Conservation Commission and the Massachusetts Department of Environmental Protection both require a fee for Notice of Intent processing. Please **note the Commission does not accept the municipal portion of the State Fee**, and has its own fee structure requirements, for project submitted under the Wetlands Protection Act, as follows:

Pursuant to the City of Boston Title 14 Section 450 requires the following fees payable to the City of Boston for Notice of Intent processing:

- \$25.00 for projects with the fair cost of \$1,000.00 or less.
- \$50.00 for projects with the fair cost of more than 1,000.00 but not more than \$50,000.00.
- \$75.00 for projects with a fair cost of more than 50,000.00 but not more than \$100,000.00.
- For projects with a fair cost of more than 100,000.00 the fee shall be .075% of the fair cost provided, however, in no case shall the fee be more than \$1,500.00.

The state fee is based on the category of the proposed activity (described in 310 CMR 10.03(7)) and the resource area to be impacted by the activity. To calculate the filing fee, follow the instructions to the NOI Wetland Fee Transmittal Form (refer to <https://www.mass.gov/how-to/wpa-form-3-wetlands-notice-of-intent> for the DEP's specific instructions).

**Note:** The municipal portion of the state fee is not accepted by the City of Boston.

The Boston Conservation Commission has adopted **additional fees under the Boston Wetlands Ordinance**. Applicants submitting applications under the Ordinance must also pay a fee as determined by the fee schedule as follows:

**Request for Determination of Applicability**

- \$100 for project sites up to 1 acre
- \$25 for up to each additional acre

**Abbreviated Notice of Resource Area Delineation**

- \$3 per linear foot for each resource area (For each resource area fees shall not be less than \$100)

**Notice of Intent**

- Category 1
  - \$100
- Category 2
  - \$300
- Category 3
  - \$550
- Category 4
  - \$750
- Category 5
  - \$4 per linear foot (The total fee shall not be less than \$100)

**Request for an Amendment to an Order of Conditions**

- \$50 Small Residential (1 to 4 units)
- \$200 Large Residential (5+ units), Commercial, or other

**Request for an Extension of an Order of Conditions**

- \$100 Small Residential (1 to 4 units)
- \$300 Large Residential (5+ units), Commercial, or other

**Partial Certificate of Compliance**

- \$50 Small Residential (1 to 4 units)
- \$100 Large Residential (5+ units), Commercial, or other

**Full Certificate of Compliance**

- \$50 Small Residential (1 to 4 units)
- \$100 Large Residential (5+ units), Commercial, or other

**Full Certificate of Compliance after Partial**

- \$50 Small Residential (1 to 4 units)
- \$100 Large Residential (5+ units), Commercial, or other

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

**EPSILON ASSOCIATES, INC.**  
3 MILL & MAIN PLACE  
STE 250  
MAYNARD, MA 01754

Middlesex Savings Bank  
CONCORD, MA 01742  
53-7122/2113

45389

1/3/2022

PAY TO THE ORDER OF Commonwealth of Massachusetts

\$ \*\*247.50

Two Hundred Forty-Seven and 50/100\*\*\*\*\*  
DOLLARS

PROTECTED AGAINST FRAUD

Commonwealth of Massachusetts  
P.O. Box 419272  
Boston, MA 02441-9272



MEMO

*UBB H ggp*

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MAYNARD, MA 01754

Middlesex Savings Bank  
CONCORD, MA 01742  
53-7122/2113

45390

1/3/2022

PAY TO THE ORDER OF City of Boston

\$ \*\*1,800.00

One Thousand Eight Hundred and 00/100\*\*\*\*\*  
DOLLARS

PROTECTED AGAINST FRAUD

City of Boston



MEMO

*UBB H ggp*

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**Attachment F**

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Stormwater Checklist





# Checklist for Stormwater Report

## A. Introduction

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



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the [Massachusetts Stormwater Handbook](#). The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.<sup>1</sup> This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8<sup>2</sup>
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

<sup>1</sup> The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

<sup>2</sup> For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.



# Checklist for Stormwater Report

## B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

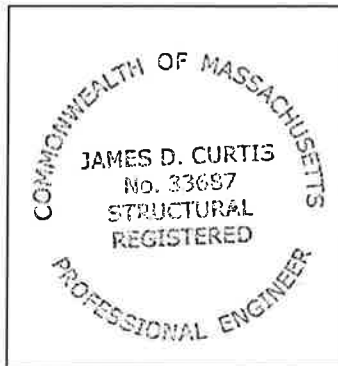
*Note:* Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

### Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



*James D Curtis 2-4-22*  
Signature and Date

## Checklist

**Project Type:** Is the application for new development, redevelopment, or a mix of new and redevelopment?

- New development
- Redevelopment
- Mix of New Development and Redevelopment



# Checklist for Stormwater Report

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## Checklist (continued)

**LID Measures:** Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- No disturbance to any Wetland Resource Areas
- Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- Reduced Impervious Area (Redevelopment Only)
- Minimizing disturbance to existing trees and shrubs
- LID Site Design Credit Requested:
  - Credit 1
  - Credit 2
  - Credit 3
- Use of "country drainage" versus curb and gutter conveyance and pipe
- Bioretention Cells (includes Rain Gardens)
- Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- Treebox Filter
- Water Quality Swale
- Grass Channel
- Green Roof
- Other (describe): \_\_\_\_\_

### Standard 1: No New Untreated Discharges

- No new untreated discharges
- Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 2: Peak Rate Attenuation

- Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.
- Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.
- Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

### Standard 3: Recharge

- Soil Analysis provided.
- Required Recharge Volume calculation provided.
- Required Recharge volume reduced through use of the LID site Design Credits.
- Sizing the infiltration, BMPs is based on the following method: Check the method used.
  - Static
  - Simple Dynamic
  - Dynamic Field<sup>1</sup>
- Runoff from all impervious areas at the site discharging to the infiltration BMP.
- Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:
  - Site is comprised solely of C and D soils and/or bedrock at the land surface
  - M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
  - Solid Waste Landfill pursuant to 310 CMR 19.000
  - Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.
- Calculations showing that the infiltration BMPs will drain in 72 hours are provided.
- Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

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<sup>1</sup> 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 3: Recharge (continued)

- The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

### Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
  - Provisions for storing materials and waste products inside or under cover;
  - Vehicle washing controls;
  - Requirements for routine inspections and maintenance of stormwater BMPs;
  - Spill prevention and response plans;
  - Provisions for maintenance of lawns, gardens, and other landscaped areas;
  - Requirements for storage and use of fertilizers, herbicides, and pesticides;
  - Pet waste management provisions;
  - Provisions for operation and management of septic systems;
  - Provisions for solid waste management;
  - Snow disposal and plowing plans relative to Wetland Resource Areas;
  - Winter Road Salt and/or Sand Use and Storage restrictions;
  - Street sweeping schedules;
  - Provisions for prevention of illicit discharges to the stormwater management system;
  - Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
  - Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
  - List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.
- A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
  - Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:
    - is within the Zone II or Interim Wellhead Protection Area
    - is near or to other critical areas
    - is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
    - involves runoff from land uses with higher potential pollutant loads.
  - The Required Water Quality Volume is reduced through use of the LID site Design Credits.
  - Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 4: Water Quality (continued)

- The BMP is sized (and calculations provided) based on:
  - The ½" or 1" Water Quality Volume or
  - The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
- The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
- A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

### Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

- The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.
- The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted *prior* to the discharge of stormwater to the post-construction stormwater BMPs.
- The NPDES Multi-Sector General Permit does *not* cover the land use.
- LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
- All exposure has been eliminated.
- All exposure has *not* been eliminated and all BMPs selected are on MassDEP LUHPPL list.
- The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

### Standard 6: Critical Areas

- The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
- Critical areas and BMPs are identified in the Stormwater Report.



# Checklist for Stormwater Report

## Checklist (continued)

### Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

- The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:
  - Limited Project
  - Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
  - Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
  - Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
  - Bike Path and/or Foot Path
  - Redevelopment Project
  - Redevelopment portion of mix of new and redevelopment.
- Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.
- The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

### Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
  - Construction Period Operation and Maintenance Plan;
  - Names of Persons or Entity Responsible for Plan Compliance;
  - Construction Period Pollution Prevention Measures;
  - Erosion and Sedimentation Control Plan Drawings;
  - Detail drawings and specifications for erosion control BMPs, including sizing calculations;
  - Vegetation Planning;
  - Site Development Plan;
  - Construction Sequencing Plan;
  - Sequencing of Erosion and Sedimentation Controls;
  - Operation and Maintenance of Erosion and Sedimentation Controls;
  - Inspection Schedule;
  - Maintenance Schedule;
  - Inspection and Maintenance Log Form.
- A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.



# Checklist for Stormwater Report

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## Checklist (continued)

### Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

- The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has **not** been included in the Stormwater Report but will be submitted **before** land disturbance begins.
- The project is **not** covered by a NPDES Construction General Permit.
- The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.
- The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

### Standard 9: Operation and Maintenance Plan

- The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:
  - Name of the stormwater management system owners;
  - Party responsible for operation and maintenance;
  - Schedule for implementation of routine and non-routine maintenance tasks;
  - Plan showing the location of all stormwater BMPs maintenance access areas;
  - Description and delineation of public safety features;
  - Estimated operation and maintenance budget; and
  - Operation and Maintenance Log Form.
- The responsible party is **not** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:
  - A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
  - A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

### Standard 10: Prohibition of Illicit Discharges

- The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
- An Illicit Discharge Compliance Statement is attached;
- NO Illicit Discharge Compliance Statement is attached but will be submitted **prior to** the discharge of any stormwater to post-construction BMPs.



Greater Cambridge Energy Program  
Geotechnical Boring Project

**STORMWATER REPORT**

**Proposed Project**

As described in the accompanying NOI, the Applicant proposes to conduct two geotechnical borings in the Charles River and two test pits on the River Street Bridge. Below is a discussion of the DEP stormwater standards, to the extent they apply to the proposed work.

**Stormwater Compliance with the Massachusetts Stormwater Handbook Standards:**

**Standard 1: No new stormwater conveyance may discharge untreated stormwater directly to, or cause erosion in wetlands or water of the Commonwealth.**

This standard is not applicable. The proposed test pits and borings will not create new untreated discharges, and no new impervious areas will be created as a result of the work.

**Standard 2: Stormwater management systems shall be designed so that the post-development peak discharge rates do not exceed pre-development peak discharge rates.**

This standard is not applicable. The proposed test pits on the River Street Bridge will not lead to an increase in impervious area; therefore, post-development peak discharge rates will not differ from pre-development peak discharge rates.

**Standard 3: Loss of annual recharge to groundwater shall be eliminated or minimized through the use of environmentally sensitive site design, low impact development techniques, stormwater best management practices, and good operation and maintenance. At a minimum, the annual recharge from the post-development site shall approximate the annual recharge from pre-development conditions based on soil type. This Standard is met when the stormwater management system is designed to infiltrate the required recharge volume as determined in accordance with the Massachusetts Stormwater Handbook.**

This standard is not applicable. As noted in the Standard 2 response, there will be no increase in impervious areas; therefore, recharge rates will not be modified relative to existing conditions.

**Standard 4: Stormwater management systems shall be designed to remove 80% of the average annual post-construction load of Total Suspended Solids (TSS). This standard is met when:**

- a) Suitable practices for source control and pollution prevention are identified in a long-term pollution prevention plan, and thereafter are implemented and maintained;

- b) **Structural stormwater best management practices are sized to capture the required water quality volume as determined in accordance with the Massachusetts Stormwater Handbook; and**
- c) **Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.**

This standard is not applicable (the proposed work does not involve construction of a new stormwater management system or modifications to an existing stormwater management system).

**Standard 5: For land uses with higher potential pollutant loads, source control and pollution prevention shall be implemented in accordance with the Massachusetts Stormwater Handbook to eliminate or reduce the discharge of stormwater runoff from such land uses to the maximum extent practicable. If, through source control and/or pollution prevention, all land uses with higher potential pollutant loads cannot be completely protected from exposure to rain, snow, snow melt and stormwater runoff, the proponent shall use the specific structural stormwater BMPs determined by the Department to be suitable for such uses as provided in the Massachusetts Stormwater Handbook. Stormwater discharges from land uses with higher potential pollutant loads shall also comply with the requirements of the Massachusetts Clean Waters Act, M.G.L. c. 21 §§ 26-53 and the regulations promulgated thereunder at 314 CMR 3.00, 314 CMR 4.00 and 314 CMR 5.00.**

This standard is not applicable. The proposed work is not located in a LUHPPL nor will the proposed work result in any changes to the existing stormwater management system.

**Standard 6: Stormwater discharges within the Zone II or Interim Wellhead Protection Area of a public water supply and stormwater discharges near or to any other critical area require the use of the specific source control and pollution prevention measures and the specific structural stormwater best management practices determined by the Department to be suitable for managing discharges to such areas, as provided in the Massachusetts Stormwater Handbook.**

This standard is not applicable. There will be no new discharges to critical areas during this project.

**Standard 7: A redevelopment project is required to meet the following Stormwater Management Standards only to the maximum extent practicable: Standard 2, Standard 3, and the pretreatment and structural stormwater best management practice requirements of Standards 4, 5, and 6. Existing stormwater discharges shall comply with Standard 1 only to the maximum extent practicable. A redevelopment project shall also comply with all other requirements of the Stormwater Management Standards and improve existing conditions.**

This standard is not applicable. The proposed project is not a redevelopment project.

**Standard 8: A plan to control construction-related impacts, including erosion, sedimentation, and other pollutant sources during construction and land disturbance activities (construction period erosion, sedimentation, and pollution prevention plan) shall be developed and implemented.**

A Construction Pollution Prevention and Erosion and Sedimentation Control Plan is included in the NOI application.

**Standard 9: A Long-Term Operation and Maintenance (O&M) Plan shall be developed and implemented to ensure that stormwater management systems function as designed.**

This standard is not applicable. The project does not propose to install a new stormwater management system; therefore, an O&M Plan is not needed for the project.

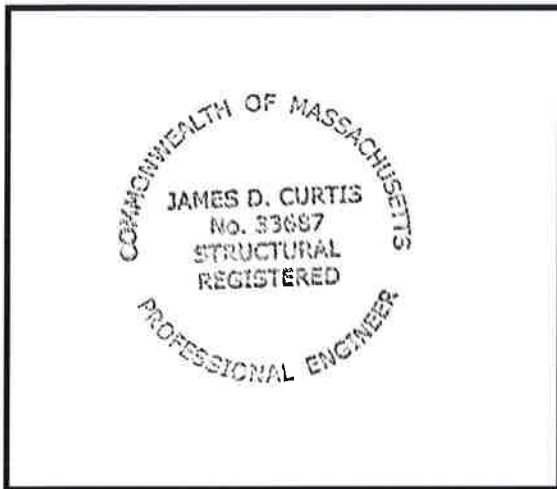
**Standard 10: Illicit discharges to the stormwater management system are prohibited.**

This standard is not applicable. The proposed test pit work does not involve any connections or discharges to the existing stormwater management system on the River Street Bridge.

**Registered Professional Engineer's Certification**

*I have reviewed the Stormwater Report, including any relevant soil evaluations, computations, Long-term Pollution Prevention Plan, and Construction Period Erosion and Sedimentation Control Plan, and Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.*

Registered Professional Engineer Block and Signature



*James D. Curtis 2-4-22*  
\_\_\_\_\_  
Signature and Date

**CONSTRUCTION PERIOD POLLUTION PREVENTION  
AND EROSION AND SEDIMENTATION CONTROL PLAN FOR TEST PITS AND GEOTECHNICAL BORINGS**

**1.0 Construction Period Pollution Prevention Measures**

The proposed work involves two test pits on the River Street Bridge and two geotechnical borings in the Charles River. Best Management Practices (“BMPs”) will be utilized as Construction Period Pollution Prevention Measures to reduce potential pollutants and prevent any discharge. The objectives of the BMPs are to minimize the disturbed areas, stabilize disturbed areas, and control the site perimeter.

To minimize disturbed areas, work will be completed within the well-defined limit of work (“LOW”) established by the MassDCR/MassDOT access permit and Traffic Management Plans when working on the River Street Bridge. The contractor will make sure workers and subcontractors know the LOW and that their work does not extend into any undisturbed areas. The limit of work associated with the in-water geotechnical borings is limited to the footprint of the barge.

Because of the limited disturbance of the test pit effort and its location on the River Street Bridge, sediment controls will not be utilized. Inlet protection will be provided if storm drains are identified near the test pit locations.

The test pitting equipment will be monitored for leaks. Any petroleum products associated with the geotechnical borings will be stored in sealed containers on the barge and clearly labeled. The contractor will be responsible to ensure that no equipment or machinery is washed on the barge or the River Street Bridge.

The contractor is responsible for preventing spills in accordance with applicable federal, state, and local regulations. Each employee will be instructed that all spills should be reported to the spill prevention and cleanup coordinator. Spill control and containment equipment will be kept in the project site.

Workers will be directed to inform the on-site supervisor and Eversource if a spill occurs. Primary notifications of a spill should be made to the local Fire Department and Police Departments. Secondary notification will be to a certified cleanup contractor if deemed necessary by the Fire or Police Departments. A third notification (within one hour) will be made to MassDEP or the municipality’s Licensed Site Professional (“LSP”).

Spills will be contained with granular sorbent material, sand, sorbent pads, booms, or all of the above. Certified cleanup contractors will complete the spill cleanup.

### **3.0 Contact Information/Responsible Parties**

Owner/Operator:

NSTAR Electric Company d/b/a Eversource Energy  
Chris Newhall  
247 Station Drive, SE270  
Westwood, MA 02090

Owner's Engineer:

POWER Engineers  
2 Hampshire Street, #301  
Foxborough, MA 02035

Site Inspector:

TBD

Contractor:

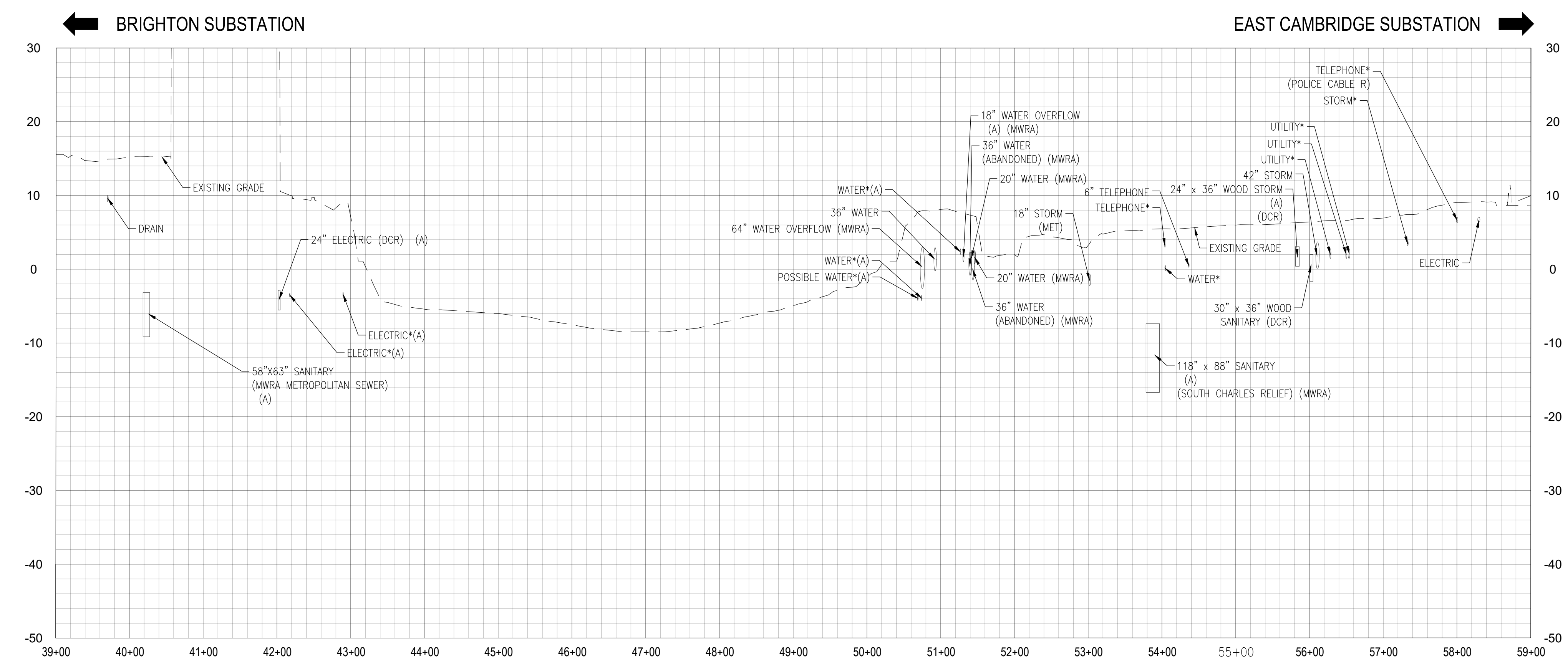
TBD

**Attachment G**

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Permit Site Plan Drawing



**GENERAL NOTES:**

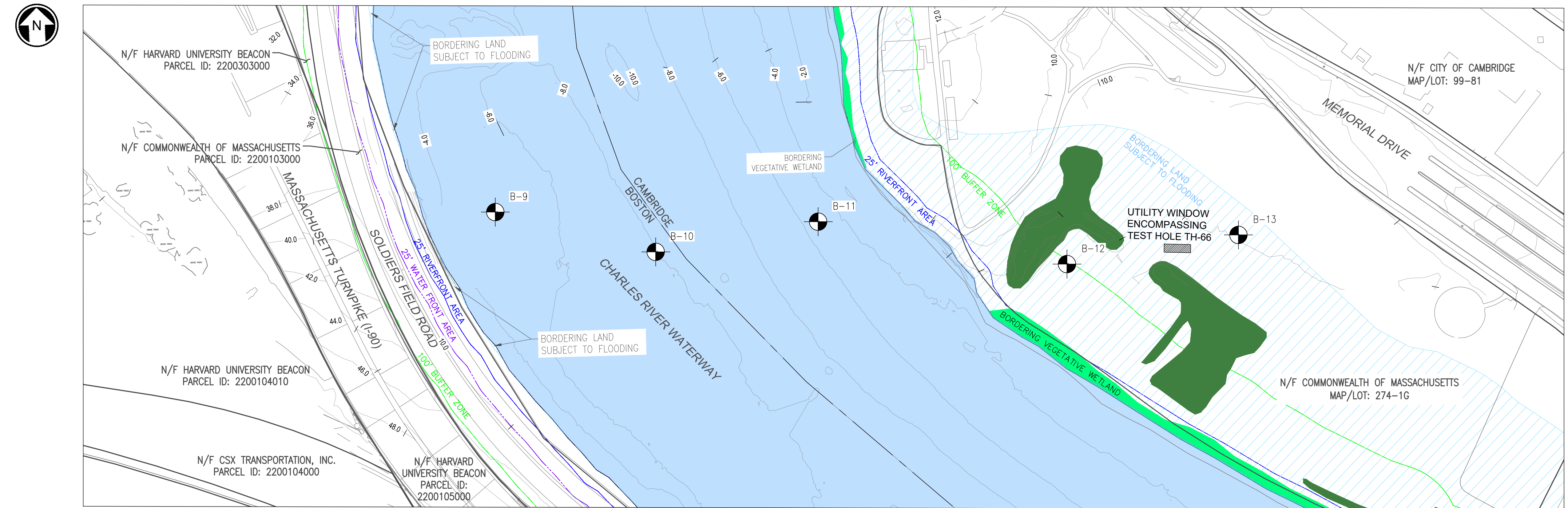
1. THE PURPOSE OF THE SUBSURFACE INVESTIGATION OUTLINED HEREIN IS TO IDENTIFY THE SUBSURFACE CONDITIONS PRESENT AT THE PROJECT SITE IN THE VICINITY OF THE PROPOSED HORIZONTAL DIRECTIONAL DRILL (HDD). THE RESULTS OF THE BORING OPERATIONS WILL BE USED TO INFORM AND ADVANCE THE DESIGN OF THE HDD.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS AND FOR CONTACTING MASSACHUSETTS DIG SAFE (811) PRIOR TO MOBILIZATION TO COMPLETE THE SUBSURFACE INVESTIGATION SHOWN HEREIN. IF NECESSARY, PRIVATE UTILITY MARK-OUT SHALL BE CONDUCTED IN ORDER TO LOCATE BORINGS CLEAR OF UTILITIES PRIOR TO DRILLING.
3. ALL COORDINATES SHOWN HEREON REFERENCE THE NAD83 HORIZONTAL DATUM AND THE MASSACHUSETTS STATE PLANE, MAINLAND ZONE.
4. ALL ELEVATIONS SHOWN HEREON ARE IN UNITS OF U.S. SURVEY FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CITY OF CAMBRIDGE CONVERSION -11.66 FT. BOSTON CITY BASE CONVERSION -6.46 FT.
5. NO BORING SHALL BE RELOCATED MORE THAN 25 FEET FROM THE PROPOSED LOCATIONS SHOWN HEREON WITHOUT WRITTEN APPROVAL BY MFS.

**OPERATIONS NOTES:**

1. THE SUBSURFACE INVESTIGATION SHALL CONSIST OF FIVE (5) GEOTECHNICAL TEST BORINGS AND A UTILITY TEST WINDOW (SOFT DIG) AT THE PROPOSED LOCATIONS SHOWN HEREIN.

BORING LOCATIONS			
BORING I.D.	NORTHING	EASTING	BORING (A) BELOW GRADE/MUDLINE (FT.)
B-9	2954708.4	759546.7	55
B-10	2954645.2	759774.7	55
B-11	2954681.8	760008.3	55
B-12	2954611.3	760362.6	70
B-13	2954646.1	760609.1	70

2. IF SOFT OR LOOSE SOIL DEPOSITS ARE ENCOUNTERED AT THE PROPOSED BORING TERMINATION (A), THE CONTRACTOR SHALL CONTACT MFS TO DETERMINE IF DEEPENED BORINGS ARE NECESSARY.
3. ALL BORINGS SHALL BE SAMPLED CONTINUOUSLY USING STANDARD PENETRATION TEST METHODS IN THE UPPER 10 FEET BELOW MUDLINE/GRADE AND 10 FEET ABOVE AND BELOW THE PROPOSED HDD (A) (EL. -40±). REMAINING SAMPLES SHALL BE OBTAINED AT 5 FOOT INTERVALS.
4. IF ROCK IS ENCOUNTERED, IT SHALL BE CORED IN ACCORDANCE WITH ASTM D2113 TO THE PROPOSED BORING TERMINATION (A) SHOWN HEREON.
5. ALL LANDSIDE BOREHOLES SHALL BE BACKFILLED AND SEALED WITH GROUT.
6. UPON COMPLETION OF THE BORING OPERATIONS, THE CONTRACTOR SHALL PROVIDE MFS WITH DRAFT BORING LOGS SHOWING ALL FIELD SOIL CLASSIFICATIONS WITH ELEVATION AND DEPTHS, SPT N-VALUES, AND OTHER NOTEWORTHY OBSERVATIONS RECORDED DURING BORING OPERATIONS. MFS WILL PROVIDE COMMENTS ON THE LOGS TO SPECIFY THE DESIRED GEOTECHNICAL LABORATORY TESTING ON SAMPLES OBTAINED DURING THE SUBSURFACE INVESTIGATION. THE CONTRACTOR SHALL COMPLETE ALL NECESSARY CHAIN OF CUSTODY FORMS AND COORDINATE WITH A LICENSED GEOTECHNICAL LABORATORY TO CARRY OUT THE TESTING PROGRAM PRESCRIBED BY MFS.

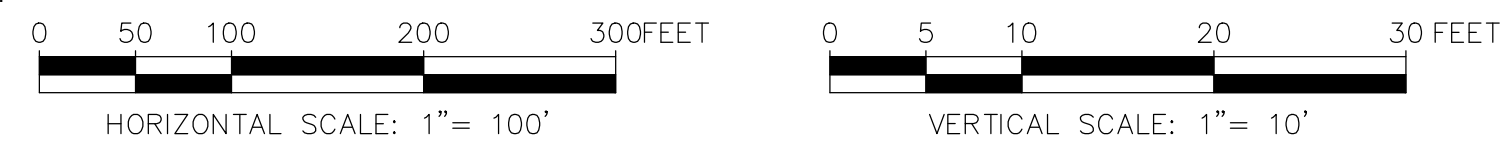


**NOTES:**

1. THE UTILITIES AND FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS, AERIAL PHOTOGRAPHY AND RECORD DOCUMENTS. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL BEFORE YOU DIG ~ 1-888-344-7233.
2. ALL UTILITIES DENOTED WITH AN "(A)" ARE SHOWN AT ASSUMED DEPTHS. ALL UTILITIES DENOTED WITH AN "\*" HAVE NO SURVEYED SIZE INFORMATION AND NO SIZE IS SHOWN IN THE PROFILE.

**LEGEND**

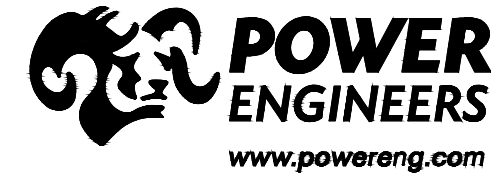
- BORDERING LAND SUBJECT TO FLOODING
- BORDERING VEGETATIVE WETLAND
- CONSTRUCTED STORMWATER WETLANDS (NON-JURISDICTIONAL)
- LAND UNDER WATER - FISH RUN
- TOPO LINES
- PROPOSED TEST PIT/UTILITY WINDOW
- PROPOSED BORING LOCATION
- 25-FT RIVERFRONT AREA
- 25-FT WATERFRONT AREA
- 100-FT BUFFER ZONE
- TAX PARCELS
- MUNICIPAL BOUNDARY



THREE BUSINESS DAYS BEFORE YOU DIG CALL MASSACHUSETTS 811 TOLL FREE 811 or 1-888-344-7233



MFS CONSULTING ENGINEERS & SURVEYOR, DPC  
2780 HAMILTON BLVD. SOUTH PLAINFIELD, NJ 07080  
T: 908.922.4622 www.MFSengineers.com  
F: 866.517.7413

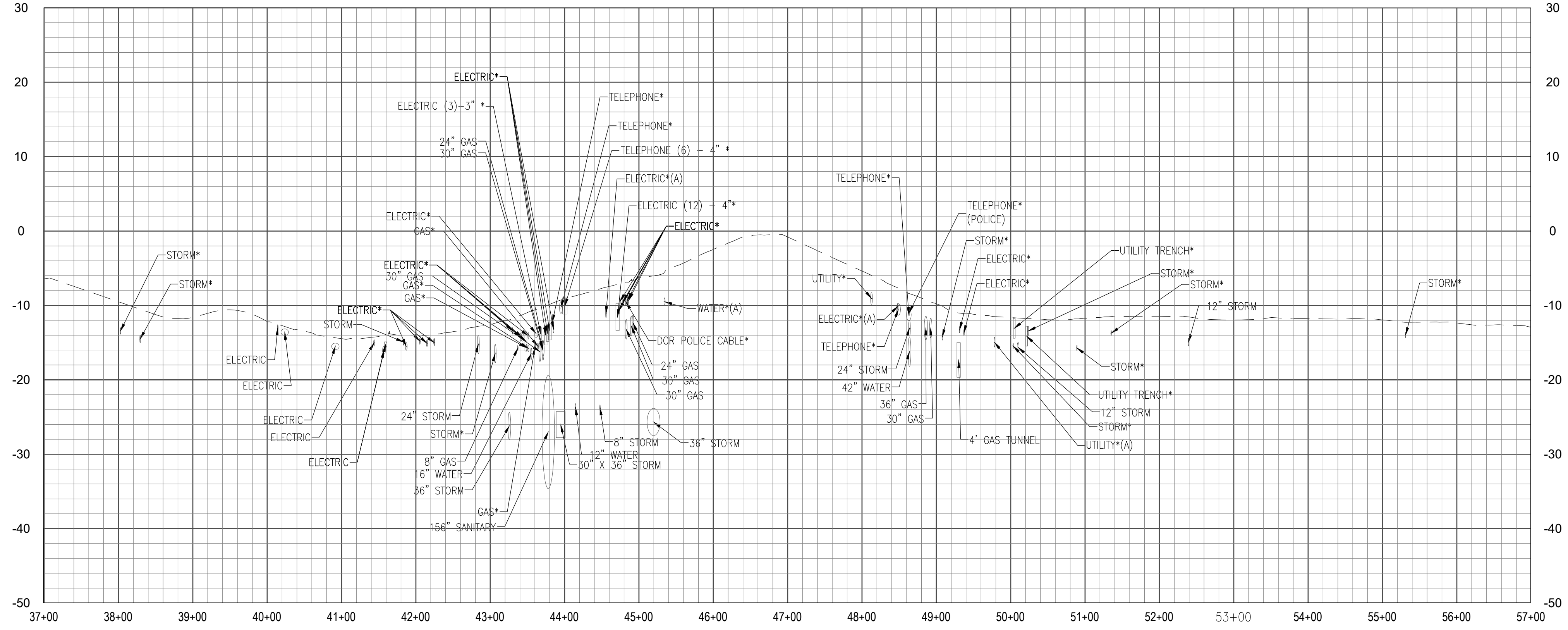


N.O.	DESCRIPTION	BY	DATE	APPR.
<b>EVERSOURCE ENERGY</b>				
GREATER CAMBRIDGE ENERGY PROGRAM				
SUBSURFACE INVESTIGATION PLAN				
BOSTON & CAMBRIDGE, MASSACHUSETTS				
SCALE: unless noted H: 1"=100' V: 1"=10'		DATE DRAWN C H K D. A P P R. 02/11/22 LAS TSG		DRAWING NO. REV. 1 OF 1 0



← BRIGHTON SUBSTATION

EAST CAMBRIDGE SUBSTATION →

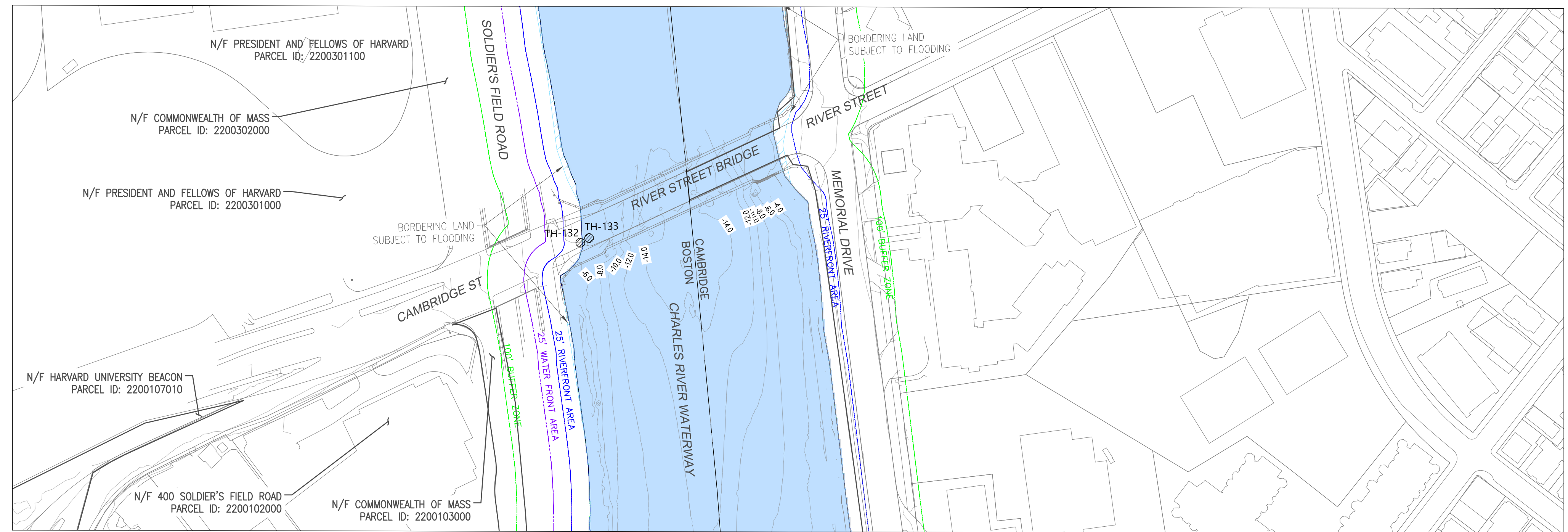
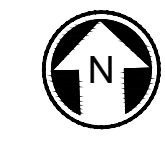


GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS AND FOR CONTACTING MASSACHUSETTS DIG SAFE (811) PRIOR TO MOBILIZATION TO COMPLETE THE SUBSURFACE INVESTIGATION SHOWN HEREIN. IF NECESSARY, PRIVATE UTILITY MARK-OUT SHALL BE CONDUCTED IN ORDER TO LOCATE BORINGS CLEAR OF UTILITIES PRIOR TO DRILLING.
2. ALL COORDINATES SHOWN HEREON REFERENCE THE NAD83 HORIZONTAL DATUM AND THE MASSACHUSETTS STATE PLANE, MAINLAND ZONE.
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OPERATIONS NOTES:

1. THE SUBSURFACE INVESTIGATION SHALL CONSIST OF TWO (2) UTILITY TEST WINDOWS (SOFT DIG) AT THE PROPOSED LOCATIONS SHOWN HEREIN.

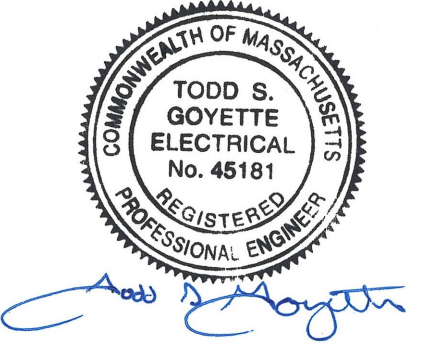
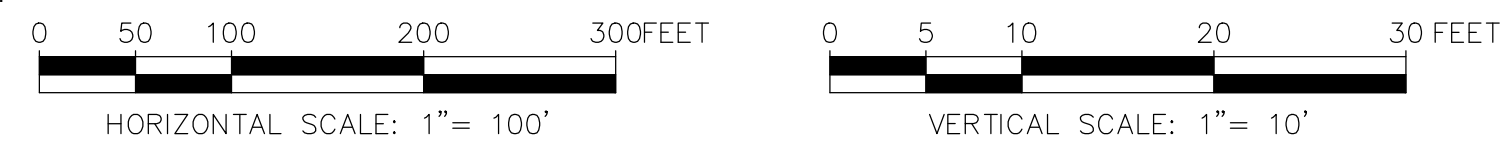


NOTES:

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LEGEND

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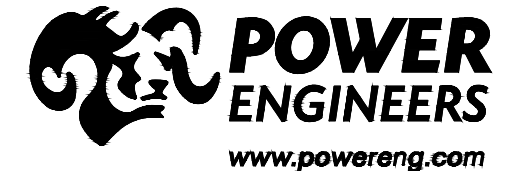


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DRAWING NO. 1 OF 1	REV. 0			

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