

Notice of Intent

Newell Boathouse Pier Pile Repairs

801 Soldiers Field Road

Allston, MA



Submitted to:

The Boston Conservation Commission

1 City Hall Sq.

Boston, MA

Submitted by:

Harvard University, FAS – Office of Physical Resources and Planning

60 JFK Street

Cambridge, MA



CHILDS ENGINEERING CORPORATION
34 William Way, Bellingham, Massachusetts 02019

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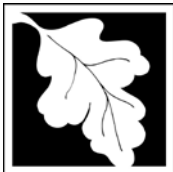
B – PROJECT NARRATIVE

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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

Allston

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):

<u>801 Soldiers Field Road</u>	<u>Allston</u>	<u>02134</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>42.369661</u>	<u>-71.125867</u>	
d. Latitude	e. Longitude	
<u>Ward 22</u>	<u>2200577010</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Edward</u>	<u>Milch</u>	
a. First Name	b. Last Name	
<u>Harvard University, FAS - Office of Physical Resources and Planning</u>		
c. Organization		
<u>60 JFK Street</u>		
d. Street Address		
<u>Cambridge</u>	<u>MA</u>	<u>02138</u>
e. City/Town	f. State	g. Zip Code
<u>(617)496-2331</u>	<u>emilch@fas.harvard.edu</u>	
h. Phone Number	i. Fax Number	j. Email Address

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

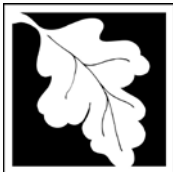
<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>Charlie</u>	<u>Roberts</u>	
a. First Name	b. Last Name	
<u>Childs Engineering Corporation</u>		
c. Company		
<u>34 William Way</u>		
d. Street Address		
<u>Bellingham</u>	<u>MA</u>	<u>02019</u>
e. City/Town	f. State	g. Zip Code
<u>(508)966-9092</u>	<u>(508)966-9096</u>	<u>robertsc@childseng.com</u>
h. Phone Number	i. Fax Number	j. Email address

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

<u>\$517.00</u>	<u>\$404.50</u>	<u>\$112.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Repair deteriorated sections of timber piles on pier by posting; install shims at the gaps between pile caps, beams, and stringers.

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

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

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

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

2. Limited Project Type

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

8. Property recorded at the Registry of Deeds for:

<u>Allston</u>	_____
a. County	b. Certificate # (if registered land)
<u>2694</u>	<u>530</u>
c. Book	d. Page Number

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

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

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



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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> Bank	139 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	50 1. square feet 0 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. <input checked="" type="checkbox"/> Riverfront Area	Charles River (inland) 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: 2670
square feet

4. Proposed alteration of the Riverfront Area:

<u>0</u>	<u>0</u>	<u>0</u>
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 type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. 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.

- 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**

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

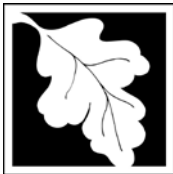
2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

(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 <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

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



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

- (c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/ mesa/ mesa_fee_schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

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

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/ mesa/ mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
 2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____
 3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only b. Yes No

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

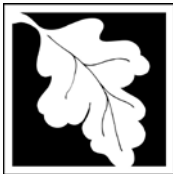
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

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

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



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

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

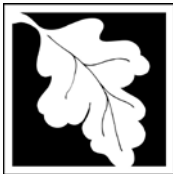
- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.

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



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Bureau of Resource Protection - Wetlands

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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.

Newell Boathouse Pier Pile Repairs

a. Plan Title

Charlie Roberts

b. Prepared By

07/17/2018

d. Final Revision Date

Charlie Roberts

c. Signed and Stamped by

As indicated on drawings

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:

3516

2. Municipal Check Number

3517

4. State Check Number

Dave

6. Payor name on check: First Name

07/17/2018

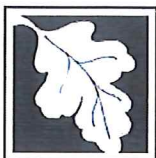
3. Check date

07/17/2018

5. Check date

Porter

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.

<p><u><i>[Handwritten Signature]</i></u> 1. Signature of Applicant</p>	<p><u>7.17.18</u> 2. Date</p>
<p><u><i>[Handwritten Signature]</i></u> 3. Signature of Property Owner (if different)</p>	<p><u>7/17/18</u> 4. Date</p>
<p>5. Signature of Representative (if any)</p>	<p>6. Date</p>

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:

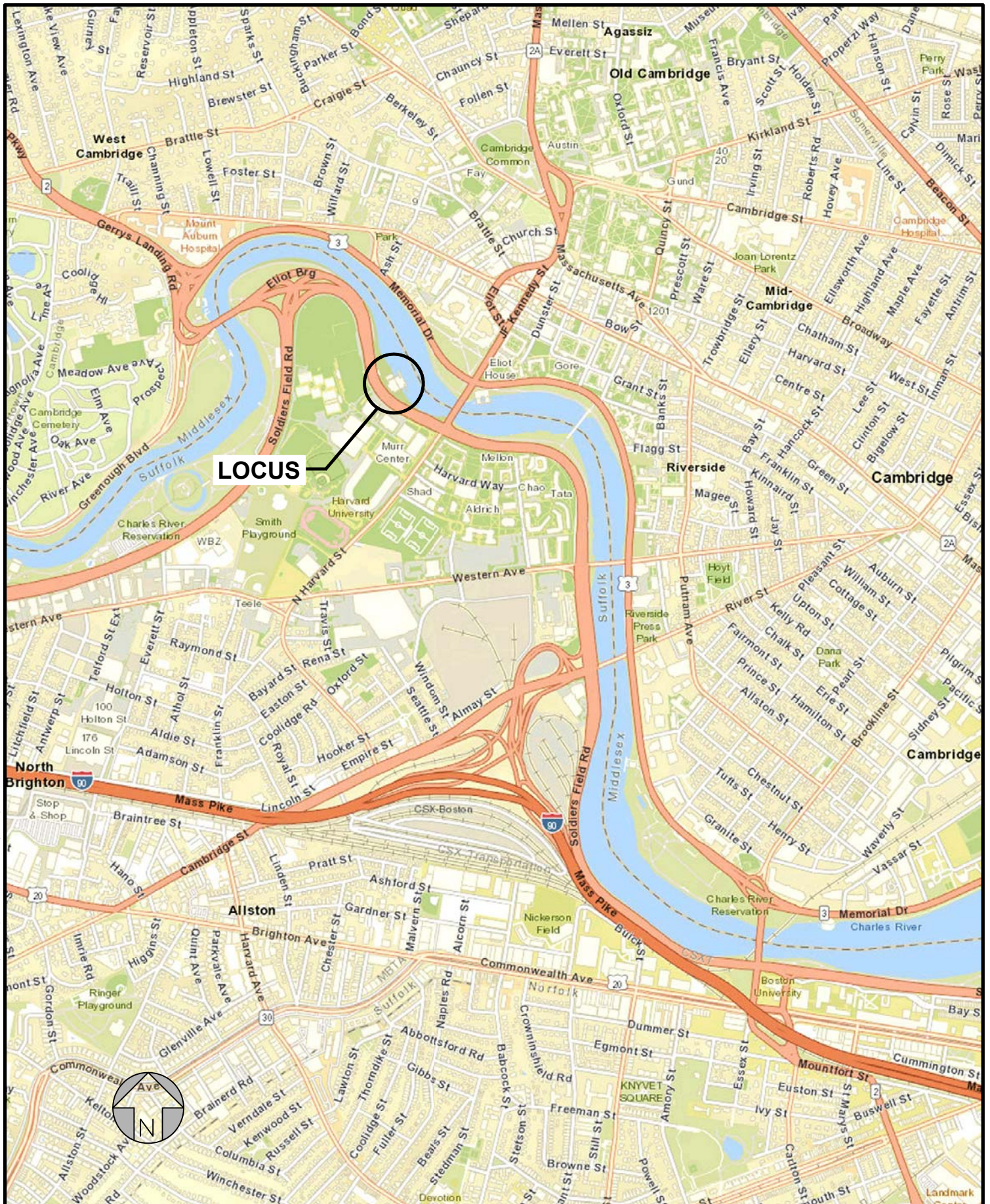
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.

EXHIBIT A

USGS PROJECT VICINITY MAP

CHARLIE K:\2803-18.01 NEWELL PILE REPAIRS - HARVARD\CADD\PERMIT DWGS\NOI\280318.01 NOI-01 LOCUS.DWG Jul 15, 2018 - 5:42pm



CHILDS ENGINEERING CORPORATION
34 WILLIAM WAY, BELLINGHAM, MA 02019 U.S.A.
Phone: (508) 966-9092 Fax: (508) 966-9096
E-mail: mail@childseng.com

Designed by:	TEQ	Date:	07/10/18
Down by:	RCD	Ckd by:	SSS
Reviewed by:	CMR	Design file no.:	280318.01-NOI
		Scale:	NOT TO SCALE

Newell Pile Repairs
Harvard University
Allston, MA

LOCUS MAP

Sheet reference number:
SK-01
Sheet 1 of 1

EXHIBIT B

PROJECT NARRATIVE

ATTACHMENT A – PROJECT DESCRIPTION
Proposed Repairs at Newell Boathouse

This summary outlines the proposed project activities, existing conditions, anticipated impacts and mitigation measures to ensure that the proposed project minimizes impacts on wetland resource areas.

1.0 PROPERTY ADDRESS

The address listed for the Newell Boathouse is 801 Soldiers Field Road, Allston, MA 02134. This is the address given when performing an online search for the boathouse. The City of Boston Assessing Department's abutter mailing list generator lists the parcel number as 2200577010 for the Newell Boathouse. The address for this parcel is 1345 Soldiers Field Road, 02135 according to the abutter mailing list generator.

2.0 PROJECT PURPOSE AND NEED

The proposed project involves making repairs to the existing timber piles under the pier, as well as, installing shims at the gaps between pile caps, beams, and stringers. These repairs are to take place at Newell Boathouse at 801 Soldiers Field Road, Allston, MA. The timber pile repairs will consist of removing 1 to 4 feet of deteriorated pile to mudline and installing a new timber post at 50 pile locations supporting the pier. Additionally, shims will be installed along gaps between the piles, pile caps, beams, and stringers at 28 locations. These repairs are considered regular maintenance and typical with this type of structure in this location. Similar repairs have been done over the life of the structure with the last set of repairs completed in 1980.

A proposed alternative to repairing the pier is to take no action and avoid performing repairs on the piles. Delaying pier repairs is not tenable, the pier is currently structurally deficient and delaying repairs could result in pier failure. A failure event could cause property damage and personal harm. Pier replacement is another alternative. Replacing the pier will be expensive and time consuming and the pier should be replaced in the future. In the interim repairing the piles and installing shims will increase the safety of the pier while it remains in use until a suitable replacement plan is developed.

3.0 ANTICIPATED IMPACTS AND MITIGATION MEASURES

Resource Areas and Anticipated Impacts

Bank

A Bank is defined in 310 CMR 10.54(2) as the portion of the land surface which normally abuts and confines a water body. The upper boundary of a Bank is the first observable break in the slope or the mean annual flood level, whichever is lower. The lower boundary of a Bank is the mean annual low flow level. Under section 310 CMR 10.54(3) a bank is presumed to be significant to the interest specified in 310 CMR 10.54(1) and 310 CMR 10.54(4)(a)(1) through (6) shall apply when a proposed activity involves altering of a Bank.

ATTACHMENT A – PROJECT DESCRIPTION
Proposed Repairs at Newell Boathouse

The proposed repairs will not permanently alter the bank since the repairs will be made within the same footprint of the pier and will not change the overall footprint of the structure, additionally:

- (1) The repairs will not impair the physical stability of the bank;
- (2) The repairs will not impair the water carrying capacity of the Charles River;
- (3) The repairs will not impair the ground and surface water quality;
- (4) The repairs will not impair the capacity of the bank to provide breeding habitat, escape cover, and food for fisheries;
- (5) The repairs will not impair of the capacity of the bank to provide important wildlife functions;
- (6) The repairs are not near a stream crossing;

The project site is not located within an estimated habitat of rare wildlife so it will not adversely affect this resource area.

Riverfront Area

A Riverfront Area is defined in 310 CMR 10.58(3) as the area of land between a river's mean annual high water line and a parallel line measured horizontally 25 feet away. Under section 310 CMR 10.58 when a project involves work within the riverfront area, 310 CMR 10.58(4)(a) through (c) shall apply.

The proposed repairs will not permanently alter the riverfront area since the repairs will be made within the same footprint of the pier and will not change the overall footprint of the structure, additionally:

- (a) The proposed repairs meet the performance standards of the bank located within the riverfront area;
- (b) The project site is not located within an estimated habitat of rare wildlife so it will not adversely affect this resource area;
- (c) There is no practicable and substantially equivalent economic alternative to the proposed project with less adverse on the resource area.

Land Under Water Bodies and Waterways

Land Under Water Bodies and Waterways is defined in 310 CMR 10.56(2) as land beneath any creek, river, stream, pond or lake. The boundary of Land under Water Bodies and Waterways is the mean annual low water level. Under section 310 CMR 10.56 when a project does not alter land under water bodies and waterways, 310 CMR 10.56(4)(a)(1) through (5) shall apply.

The proposed repairs will not permanently alter land under water bodies and waterways since the repairs are being performed within the overall footprint of existing piles with no proposed alteration to the mudline, additionally:

- (1) The repairs will not impair the water carrying capacity of the Charles River;
- (2) The repairs will not impair the ground and surface water quality.
- (3) The repairs will not impair the capacity of the bank to provide breeding habitat, escape cover, and food for fisheries;

ATTACHMENT A – PROJECT DESCRIPTION
Proposed Repairs at Newell Boathouse

(4) The repairs will not impair of the capacity of the bank to provide important wildlife functions;

(5) The repairs are not near a stream crossing;

The project site is not located within an estimated habitat of rare wildlife so it will not adversely affect this resource area.

Mitigation Measures

One of the proposed mitigation measures to reduce impacts due to the construction activities will be to have the Contractor deploy a floating debris boom around the proposed repair areas. This will prevent dispersal of debris material during construction work from migrating into the river. Additionally, the contractor shall be required to have hazardous materials spill prevention and clean up kits available on site for any waterborne equipment.

It is anticipated that the contractor will stage the construction, including all equipment and materials, at the northwest area of the property adjacent to the building and parking lot. We anticipate the contractor will use small work floats and a work skiff to stage the repairs and will remove all construction debris from the resource areas on a daily basis.

At the completion of the project, all construction equipment, material, and debris will be removed from the site.

This project is not subject to provisions of the MassDEP Stormwater Management Standards.

Floodplain

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) for the city of Boston FEMA Community Panel Map Number 25025C0057G was reviewed. As per review of the FIRM map, the project is located in Zone AE (EL. 4.0 in reference to NAVD88) of this resource area.

4.0 FEE EXPLANATION

The proposed work is classified as work on a pier and therefore is *Category 5*. The category 5 pricing is based on the linear feet of the pier. The price per foot is \$4. The fee is increased 50% due to repairs being within a Riverfront Area as well as another resource area (Bank). The area that is to be repaired is 139 linear feet. This means the fee is $\$4 \times 139' \times 1.50 = \834.00 . The state fee is figured by dividing the total fee by 2 and subtracting \$12.50, which is \$404.50.

The Boston Conservation Commission does not accept the municipal portion of the NOI fee, they use a separate fee structure. The fee is determined by taking 0.075% of the fair project cost but not more than \$1500. The estimated project cost is \$150,000.00. This means the municipal portion of the fee is $0.075\% \times \$150,000.00 = \112.50 .

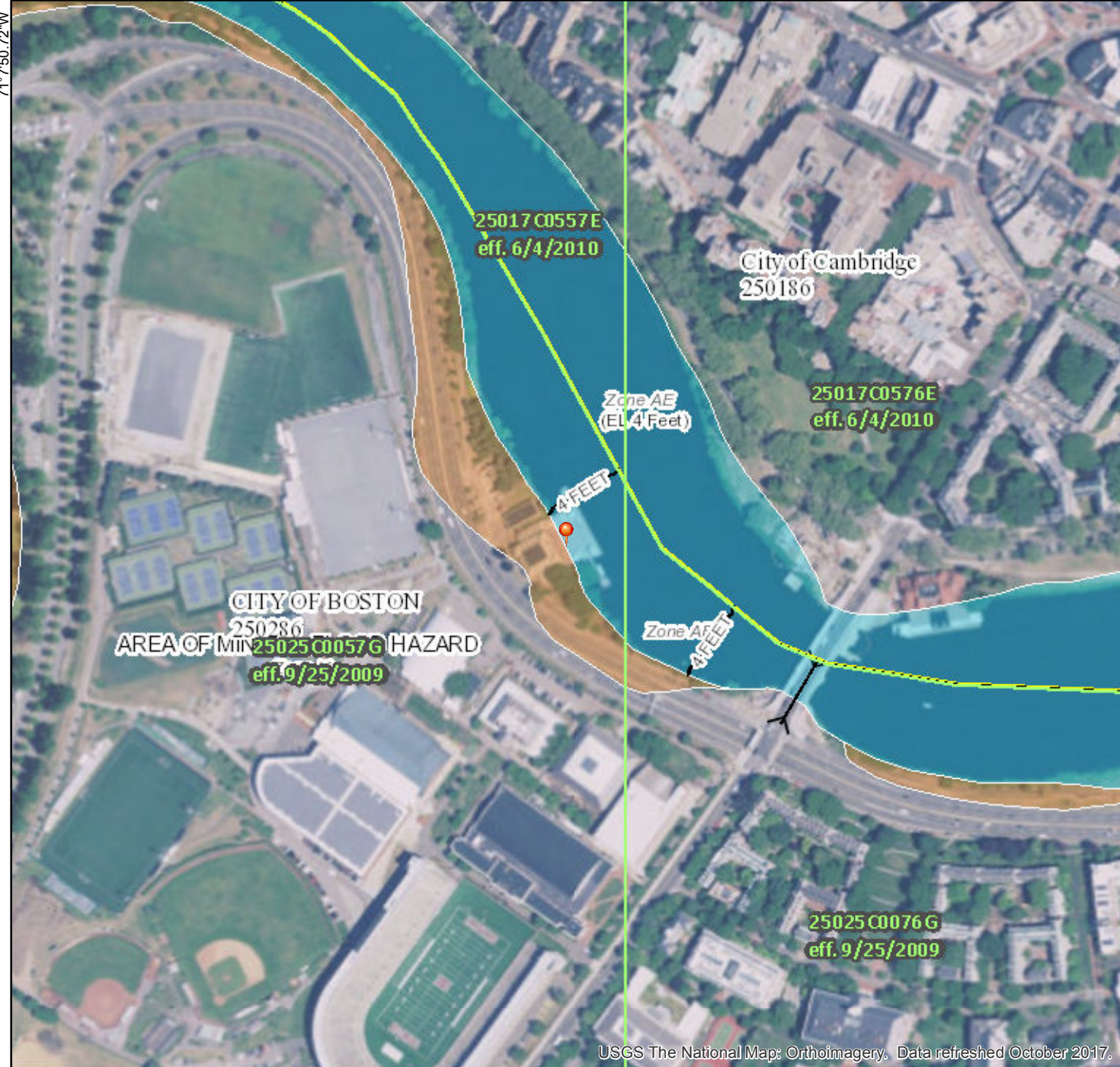
EXHIBIT C

2016 FEMA FLOOD MAPS

National Flood Hazard Layer FIRMette



42°22'24.59"N



USGS The National Map: Orthoimagery. Data refreshed October 2017. 0 250 500 1,000 1,500 2,000 Feet 1:6,000 42°21'58.01"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
OTHER FEATURES		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/10/2018 at 2:34:53 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

71°7'13.26"W

EXHIBIT D

ABUTTERS LIST AND NOTIFICATION

ATTACHMENT B – NOTIFICATION TO ABUTTERS & AFFIDAVIT OF SERVICE
Proposed Repairs at Newell Boathouse

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetland Protection Act

(to be submitted to the Massachusetts Department of Environmental Protection
and the Conservation Commission when filing a Notice of Intent)

I, Charlie Roberts, hereby certify under the pains and penalties of perjury that on July 17, 2018 I gave notification to abutters in compliance with the second paragraph of the Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in conjunction with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by Harvard University with the Boston Conservation Commission on July 17, 2018 for the property located at 801 Soldiers Field Road, Allston, MA 02134.

The form of the notification, and a list of the abutters to whom it was given and their addresses, are attached to this Affidavit of service.



NAME: Charlie M. Roberts

DATE: July 17, 2018

ATTACHMENT B – NOTIFICATION TO ABUTTERS & AFFIDAVIT OF SERVICE
Proposed Repairs at Newell Boathouse

Notification to Abutters
Under the Massachusetts Wetlands Protection Act

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

Harvard University has filed a Notice of Intent with the Boston Conservation Commission seeking permission to perform repairs to the existing pier structure at 801 Soldiers Field Road, Allston, MA. The project will consist of making repairs to the existing timber piles, as well as installing shims in gaps between pile caps, beams, and stringers.

Copies of this notice of intent may be viewed at the Boston Conservation Commission, Boston City Hall, Room 709 between the hours of 9 am – 4 pm, Monday through Friday. For more information, please contact the Boston Conservation Commission at (617) 635-3850.

A public hearing will take place at 6 pm on August 1, 2018 at Boston City Hall, 1 City Hall Square in the Piemonte Room, 5th floor. Notice of the public hearing, including its date, time and place, will be published at least five days in advance in the Boston Herald Newspaper or can be found online at <https://www.boston.gov/public-notices>.

If you have any questions pertaining to this application please contact the Boston Conservation Commission at (617) 635-3850 or you may contact the nearest Department of Environmental Protection Regional Office at 978-694-3200.

ATTACHMENT B – NOTIFICATION TO ABUTTERS & AFFIDAVIT OF SERVICE
Proposed Repairs at Newell Boathouse

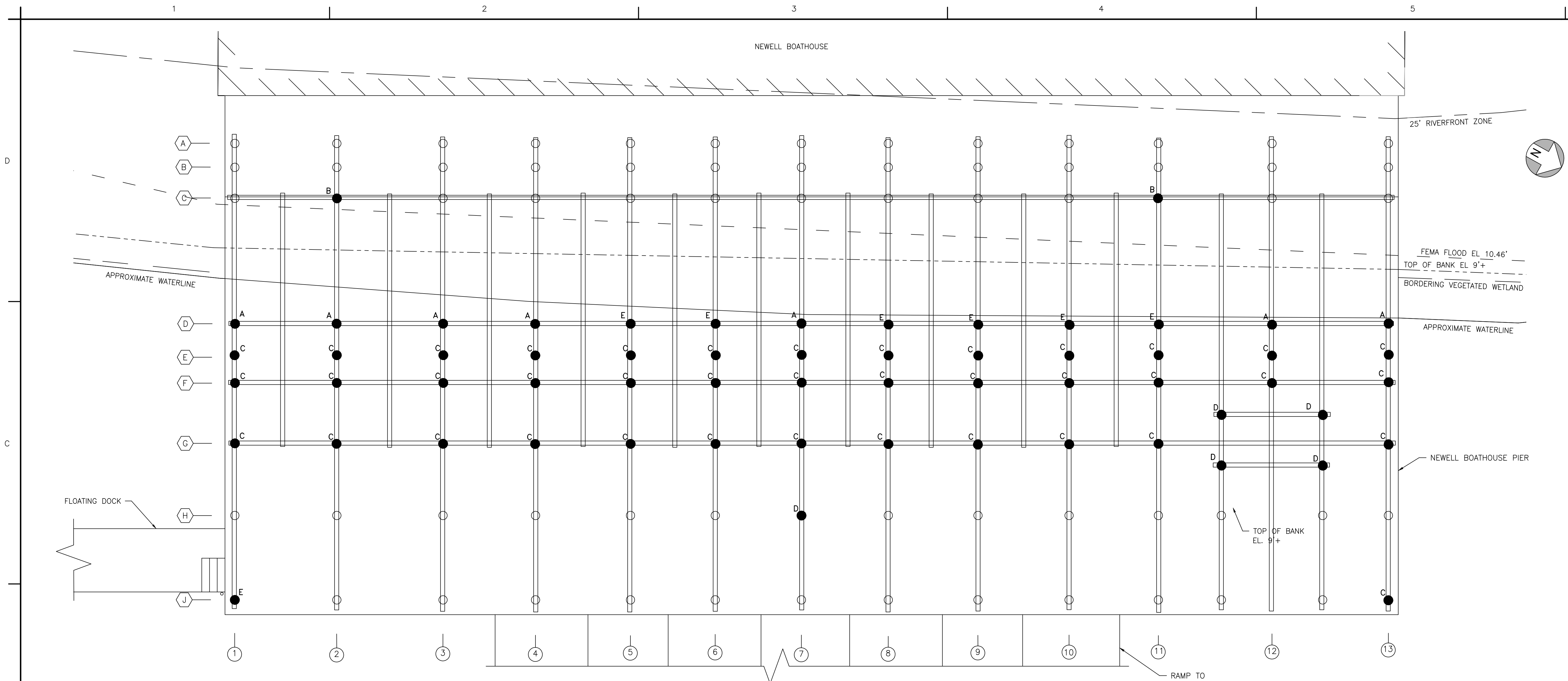
LIST OF ABUTTERS

Parcel No.	Property Address	Owner Name	Owner Address
2200577000	525 Western Ave, Allston, MA 02135	Commonwealth of Massachusetts	525 Western Ave, Allston, MA 02134
2200533000	69 N Harvard St, Allston, MA 02135	Harvard College	69 N Harvard St, Allston, MA 02134

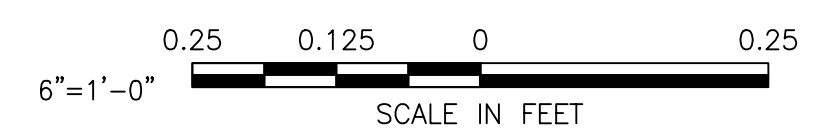
EXHIBIT E

PLANS PREPARED BY CHILDS ENGINEERING

CADD K:\2803-18.01 NEWELL PILE REPAIRS - HARVARD\CADD\CURRENT WORKING DWGS\280318.01 X-004 PILE PLAN.DWG Jul 20, 2018 - 10:44am



PILE POSTING AND SHIMMING PLAN
SCALE: 1"=6'-0"



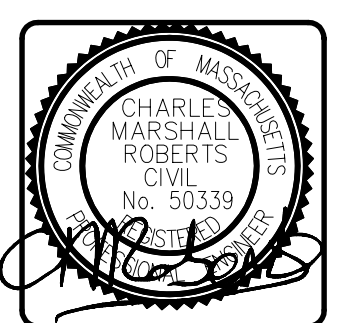
- LEGEND**
- A PILE ROW DESIGNATION
 - 1 PILE BENT DESIGNATION
 - 12"Ø TIMBER PILE WITH LITTLE TO NO DAMAGE
 - ◻ TIMBER BEAM/PILE CAP
 - PILE REPAIR TYPE AND LOCATION

PILE REPAIR SCHEDULE *													
PILE ROWS	PILE BENTS												
	1	2	3	4	5	6	7	8	9	10	11	12	13
A													
B													
C		B									B		
D	A	A	A	A	E	E	E	E	E	E	E	A	A
E		C	C	C	C	C	C	C	C	C	C	C	C
F	C	C	C	C	C	C	C	C	C	C	C	C	C
G	C	C	C	C	C	C	C	C	C	C	D	D	C
H											D	D	
J	E												C

- REPAIR TYPE**
- A- PILE POST OF 1' AND CONNECTION SEE DETAIL 1 / 4 6
 - B- PILE POST OF 1.5' AND CONNECTION SEE DETAIL 1 / 4 6
 - C- PILE POST OF 3' AND CONNECTION SEE DETAIL 1 / 4 6
 - D- PILE POST OF 4' AND CONNECTION SEE DETAIL 1 / 4 6
 - E- SHIM REQUIRED (3" MAX.) SEE DETAIL 2 / 4 6

**FOR PERMITTING ONLY
NOT FOR CONSTRUCTION**

CHILDS ENGINEERING CORPORATION
34 WILLIAM WAY, BELLINGHAM, MA 02019 U.S.A.
Phone: (508) 966-9092 Fax: (508) 966-9096
E-mail: mol@childseng.com



Mark	Description	Date	Appr.

Designed by: CMR	Date: 07/17/18
Drawn by: MPS	Design file no.: 280318.01 X-004
Checked by: SSS	Scale: 6"=1'-0"
Reviewed by: CMR	

NEWELL BOATHOUSE PIER PILE REPAIRS
HARVARD UNIVERSITY
ALLSTON, MA

PROPOSED PILE REPAIR PLAN

Sheet reference number:
X-004
Sheet 4 of 6

EXHIBIT F

NOI FEE TRANSMITTAL FORMS



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>801 Soldiers Field Road</u>	<u>Allston</u>
a. Street Address	b. City/Town
<u></u>	<u></u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Edward</u>	<u>Milch</u>	
a. First Name	b. Last Name	
<u>Harvard University, FAS - Office of Physical Resources and Planning</u>		
c. Organization		
<u>60 JFK Street</u>		
d. Mailing Address		
<u>Cambridge</u>	<u>MA</u>	<u>02138</u>
e. City/Town	f. State	g. Zip Code
<u>(617)496-2331</u>	<u>emilch@fas.harvard.edu</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

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

B. Fees

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

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

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

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

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

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

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

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

B ORIGINAL DOCUMENT PRINTED ON CHEMICAL REACTIVE PAPER WITH MICROPRINTED BORDER - SEE REVERSE SIDE FOR COMPLETE SECURITY FEATURES B



Childs Engineering Corporation
34 William Way
Bellingham, MA 02019

53-7122/113

3516

EXPLANATION	AMOUNT

THE SUM TOTAL DOLLARS

DOLLARS

CHECK AMOUNT

DATE	TO THE ORDER OF	DESCRIPTION	CHECK NUMBER	CHECK AMOUNT
7-17-18	City of Boston	Notice of Intent	3516	\$ 112.50

Shield



[Signature]



⑈003516⑈ ⑆21137122⑆ 164700752⑈

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Childs Engineering Corporation
34 William Way
Bellingham, MA 02019

53-7122/113

3517

EXPLANATION	AMOUNT

THE SUM TOTAL DOLLARS

DOLLARS

CHECK AMOUNT

DATE	TO THE ORDER OF	DESCRIPTION	CHECK NUMBER	CHECK AMOUNT
7-17-18	Commonwealth of Massachusetts	Notice of Intent	3517	\$ 404.50

Shield



[Signature]



⑈003517⑈ ⑆21137122⑆ 164700752⑈

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