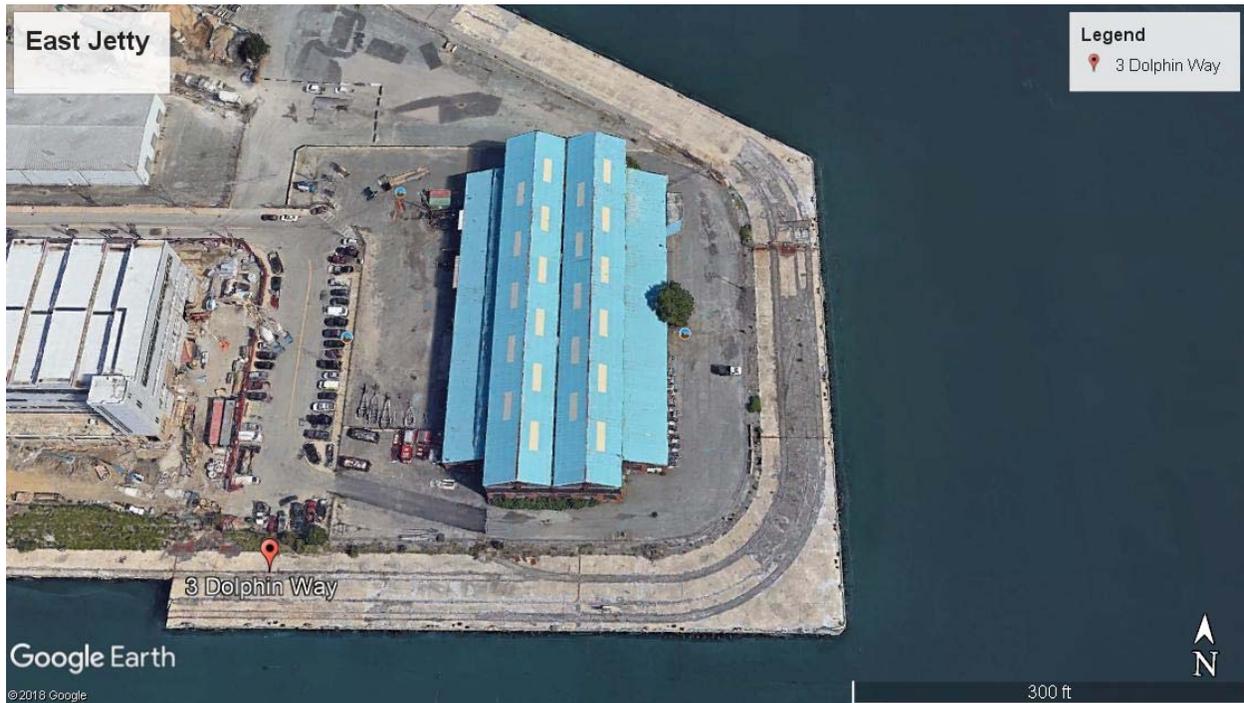


# Notice of Intent

East Jetty Rehabilitation

3 Dolphin Way

South Boston, MA



Submitted to:

The Boston Conservation Commission

1 City Hall Sq.

Boston, MA

Submitted by:

Boston Planning & Development Agency (BPDA)

22 Drydock Avenue, Suite 201

Boston, MA



**CHILDS ENGINEERING CORPORATION**

34 William Way, Bellingham, Massachusetts 02019

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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):

<u>3 Dolphin Way</u>	<u>Boston, MA</u>	<u>02210</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>42-20'-47.10" N</u>	<u>71-01'-25.39" W</u>	
d. Latitude	e. Longitude	
<u>0602674090</u>		
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Paul</u>	<u>Osborn</u>	
a. First Name	b. Last Name	
<u>Boston Planning and Development Agency</u>		
c. Organization		
<u>22 Drydock Avenue, Suite 201</u>		
d. Street Address		
<u>Boston</u>	<u>MA</u>	<u>02210</u>
e. City/Town	f. State	g. Zip Code
<u>617.918.6211</u>	<u>Paul Osborn &lt;paul.osborn@boston.gov&gt;</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>David</u>	<u>Porter</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>porterd@childseng.com</u>	
h. Phone Number	i. Fax Number	j. Email address

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

<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

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## A. General Information (continued)

6. General Project Description:

Rehabilitation of East Jetty. Installation of a new concrete wall inshore of the existing pier and sheet pile bulkhead. Installation of new mooring fixtures behind the new wall. Repaving of disturbed areas.

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:

- a. County \_\_\_\_\_
- b. Certificate # (if registered land) \_\_\_\_\_
- c. Book \_\_\_\_\_
- d. Page Number \_\_\_\_\_

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

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

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



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

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	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 type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - <b>specify coastal or inland</b>	

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.



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

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Provided by MassDEP:

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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 checked="" type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	0 1. square feet	
	0 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 checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	20,000 1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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## C. Other Applicable Standards and Requirements

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

### Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

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

- 10/1/2008  
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.



Massachusetts Department of Environmental Protection  
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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](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](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:

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@state.ma.us](mailto:DMF.EnvReview-South@state.ma.us)

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



Massachusetts Department of Environmental Protection  
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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.



Massachusetts Department of Environmental Protection  
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.

East Jetty Rehabilitation Drawings NOI - 01, NOI - 02, NOI - 03

a. Plan Title

Childs Engineering Corporation

b. Prepared By

February 12, 2019

d. Final Revision Date

David Porter P.E.

c. Signed and Stamped by

Varies

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:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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Boston

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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.

*Paul Arthur BPDA*  
1. Signature of Applicant

2/13/19  
2. Date

3. Signature of Property Owner (if different)

*[Handwritten Signature]*

4. Date

5. Signature of Representative (if any)

February 12, 2019  
6. Date

#### For Conservation Commission:

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

#### For MassDEP:

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

#### Other:

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

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



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

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



**A. Applicant Information**

1. Location of Project:

a. Street Address \_\_\_\_\_ b. City/Town \_\_\_\_\_  
 c. Check number \_\_\_\_\_ d. Fee amount \_\_\_\_\_

2. Applicant Mailing Address:

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

3. Property Owner (if different):

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

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. 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.



**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

**Step 5/Total Project Fee:** \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee: \_\_\_\_\_  
 a. Total Fee from Step 5

State share of filing Fee: \_\_\_\_\_  
 b. 1/2 Total Fee **less** \$12.50

City/Town share of filing Fee: \_\_\_\_\_  
 c. 1/2 Total Fee **plus** \$12.50

**C. Submittal Requirements**

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

Department of Environmental Protection  
 Box 4062  
 Boston, MA 02211

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

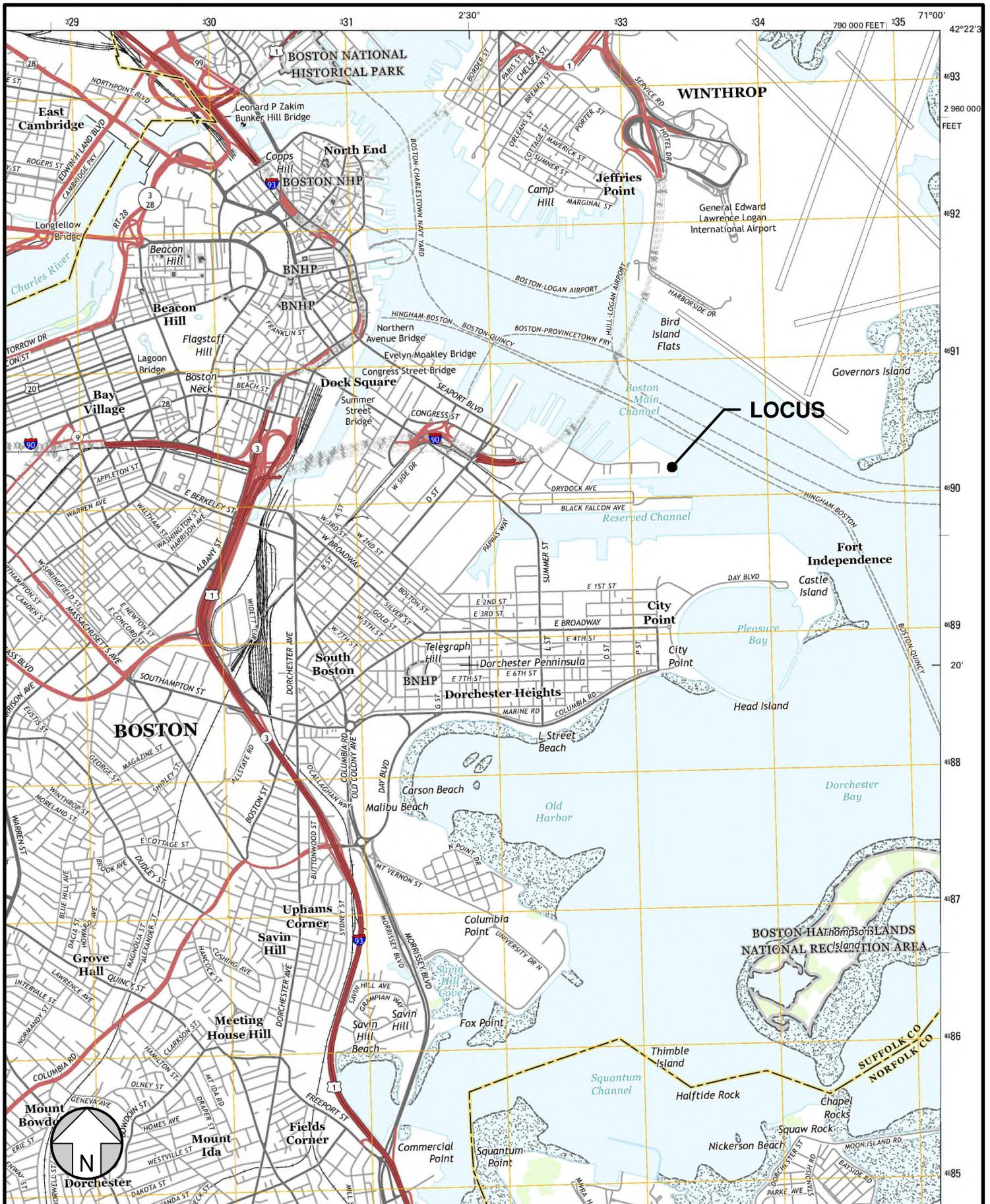
**To MassDEP Regional Office** (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

**EXHIBIT A**

---

***USGS PROJECT VICINITY MAP***

TOM QUINN K:\2821-18.00 EAST JETTY - EDIC\CADD\PERMIT DWGS\NOI\282118 FIG-1 LOCUS MAP.DWG Feb 11, 2019 - 10:45am



**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:	DLP	Date:	02/11/19
Down by:	TEQ	Ckd by:	DLP
Reviewed by:	DLP	Design file no.:	282118 FIG-1
		Scale:	NONE

EAST JETTY  
 EDIC  
 BOSTON, MA

**LOCUS MAP**

Sheet reference number:  
**FIG-1**  
 Sheet 1 of 1

**EXHIBIT B**

---

***PROJECT NARRATIVE***

## EAST JETTY REHABILITATION PROJECT

### 3 DOLPHIN WAY

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 Project Purpose and Need**

The proposed rehabilitation is intended to stabilize existing steel sheet pile bulkhead from further deterioration. Some of the sheet piles have undergone significant corrosion. A new reinforced concrete wall will be constructed on the inshore side of the existing bulkhead. The new wall is designed to handle the full load of earth and light vehicle traffic.

In addition to the new concrete wall a limited number of mooring fixtures will be replaced. The existing pavement will be patched and replaced. The attached plans illustrate the proposed repair concept and the extent to which it will be implemented.

The proposed sequence of construction is excavate the soil behind the bulkhead, stock pile in a "containment" area adjacent to the building, install a concrete footing, cast the new concrete wall and backfill the wall. The mooring fixtures will be installed in the area behind the wall and when all the bulkhead work is complete the surface will be repaved.

#### **2.0 Anticipated Impacts and Mitigation Measures**

##### Resource Areas and Anticipated Impacts

###### *Designated Port Area*

A Designated Port Area means those areas designated in 301 CMR 25.00: Designation of Port Areas. The proposed project will not affect the concrete seawall which is located above Mean High Water within a Designated Port Area. Under section 310 CMR 26.00, when land under the ocean in designated port areas is found to be significant to the protection of marine fisheries, storm damage, prevention of flood control, 310 CMR 10.26 (3) and (4) shall apply.

There will be no permanent alterations to the land under the ocean within the designated port area as part of this project. The proposed repairs will be made behind (inshore) of the existing concrete pier and bulkhead. The concrete repairs will be behind the existing steel sheet pile bulkhead resulting in no impacts to the harbor/resource area. Any construction debris will be collected and removed from the construction area daily. There should be no adverse effects on the land under the ocean within the designated port area.

## *Coastal Banks*

A Coastal Bank means the seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of land subject to tidal action or other wetland. The new concrete wall is located inshore of a steel sheet pile bulkhead which is considered a manmade coastal bank and is significant to storm damage prevention or flood control because it is a vertical buffer to storm waters, thus the repairs performed inshore of the seawall will be subject 310 CMR 10.30, more specifically 10.30 (6) through (8).

The new concrete wall will be constructed inshore of the coastal bank. The repairs will strengthen the existing coastal bank but will not significantly affect the function of the existing coastal bank. Additionally, 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 work in limited lengths (50') of the wall. This will provide adequate space to stockpile excavated materials and the sites ability contain the excavated material during the new wall construction. Once the new wall is placed the excavated material will be used as backfill. Additionally, the contractor will be required to have hazardous materials spill prevention and clean up kits available on site for any equipment. It is anticipated that the contractor will stage the construction, including all equipment and materials, from the roadway surface behind the bulkhead. At the completion of the project, all construction equipment, material, and debris will be removed from the site.

## **Floodplain**

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) for the City of Boston FEMA Community Panel 25025C0081J was reviewed. As per review of the FIRM map, the project is located in Zone AE (EL. 12.0) and a VE (EL. 15.0) of this resource area. The proposed work will not alter the topography of the site so it will have no impact on flood storage.

## **Alternatives**

The proposed repairs will strengthen the existing bulkhead. Alternative methods might be to install rip rap in the harbor waters outshore of the bulkhead. This alternative would result in covering areas of the harbor bottom and would probable result in bottom sediment disturbance. If the new wall isn't constructed it is possible that the bulkhead could fail which would allow the existing backfill to enter the harbor.

**EXHIBIT C**

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**2016 FEMA FLOOD MAPS**

# National Flood Hazard Layer FIRMette



42°21'0.38"N

71°1'48.24"W



Uses The National Map: Orthoimagery. Data refreshed October, 2017.  
2502500821



71°1'10.79"W

## 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**

- 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**

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- 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 2/4/2019 at 12:10:25 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.

**EXHIBIT D**

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***ABBUTTERS LIST AND NOTIFICATION***

ATTACHMENT B – NOTIFICATION TO ABUTTERS & AFFIDAVIT OF SERVICE  
Rehabilitation of East Jetty at 3 Dolphin Way

**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, David L. Porter, hereby certify under the pains and penalties of perjury that on February 20, 2019 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 Boston Planning and Development Agency with the Boston Conservation Commission on February 20, 2019 for the property located at 3 Dolphin Way, Boston, MA 02210.

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

February 20, 2019

\_\_\_\_\_  
DATE

ATTACHMENT B – NOTIFICATION TO ABUTTERS & AFFIDAVIT OF SERVICE  
Rehabilitation of East Jetty at 3 Dolphin Way

**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:

**Boston Planning & Development Agency** has filed a Notice of Intent with the Boston Conservation Commission seeking permission to perform the rehabilitation of the steel sheet pile bulkhead at 3 Dolphin Way, Boston, MA. The project will consist of excavation, stockpiling of existing soil, installing a reinforced concrete wall, backfilling the new wall and paving the disturbed areas of the site. The address of the lot where the activity is proposed is 3 Dolphin Way, Boston, MA.

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 March 6, 2019 at Boston City Hall, 1 City Hall Square in the Piemonte Room, 5<sup>th</sup> 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 & AFFADAVIT OF SERVICE  
Rehabilitation of East Jetty at 3 Dolphin Way

LIST OF ABUTTERS

Parcel No.	Property Address	Owner Name	Owner Address1	Owner Address2
0602674205	20 FID Kennedy Drive Boston, MA 02210	Massachusetts Port Authority	c/o BPDA Brian Golden 1 City Hall Sq.	Boston, MA 02210
0602674085	25 FID Kennedy Drive Boston, MA 02210	25 FID Kennedy LLC	Joseph Cannistraro 80 Rosedale Rd.	Watertown, MA 02472

**EXHIBIT E**

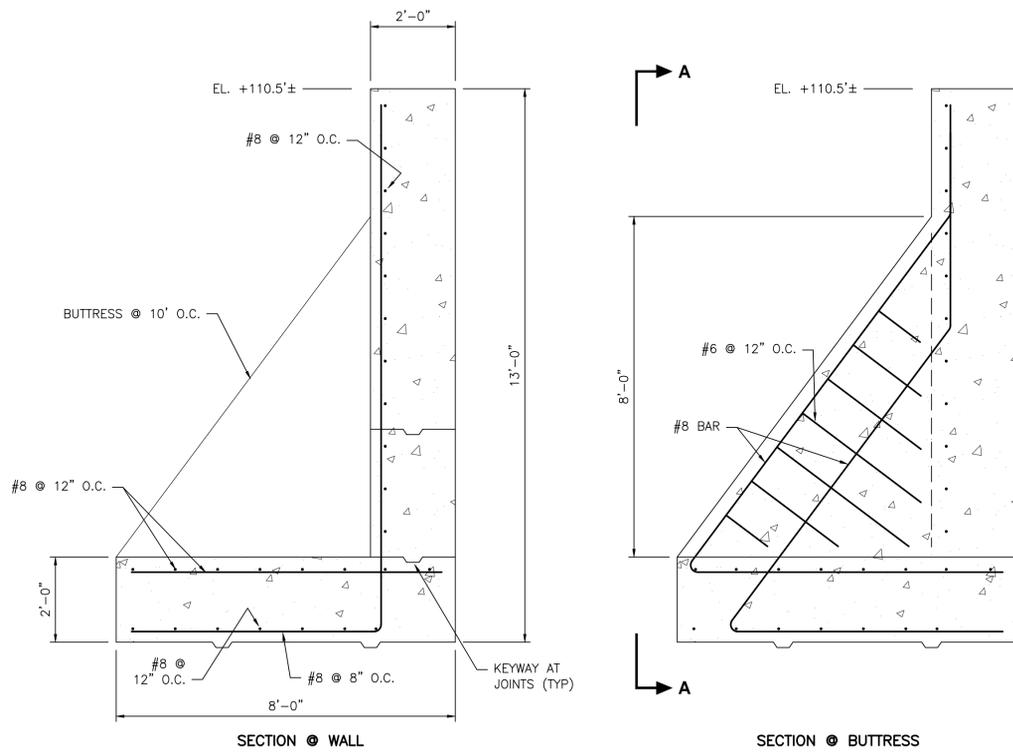
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***PLANS PREPARED BY CHILDS ENGINEERING***

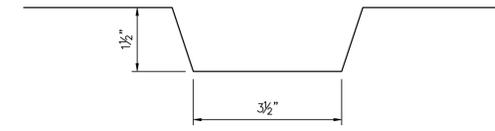
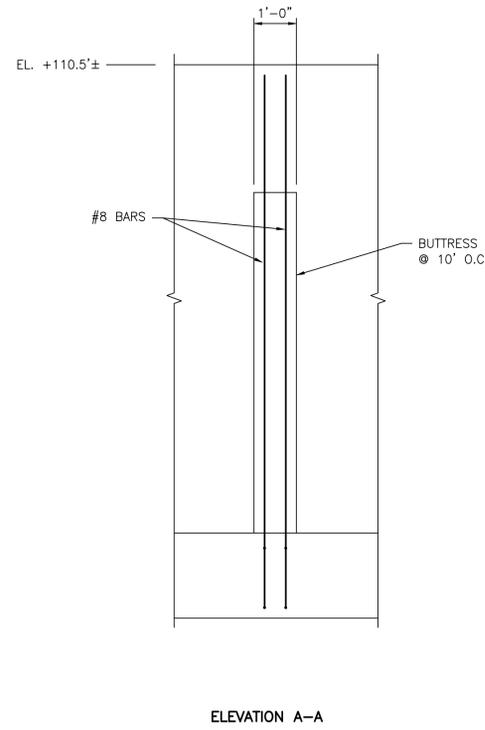




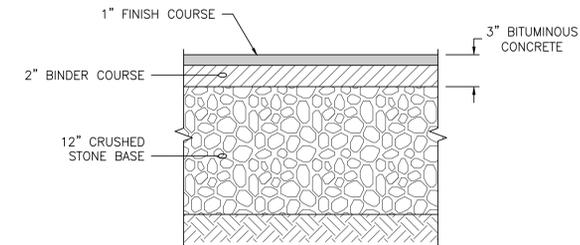
TOM QUINN K:\2821-18.00 EAST JETTY - EDIC\CADD\PERMIT DWGS\NOI\282118 NOI-03.DWG Feb 11, 2019 - 10:59am



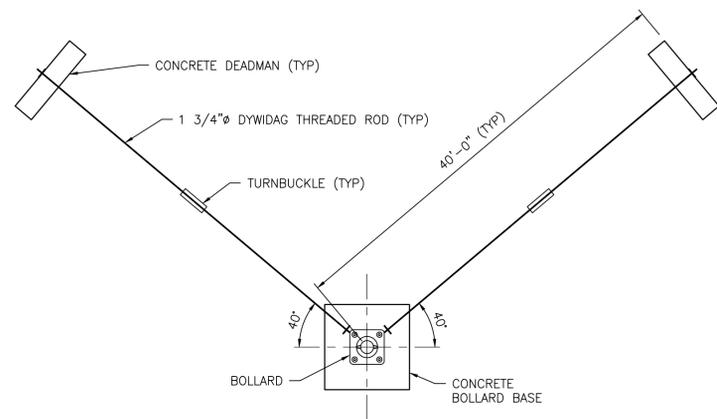
**CONCRETE RETAINING WALL DETAILS**  
SCALE: 1/2"=1'-0"



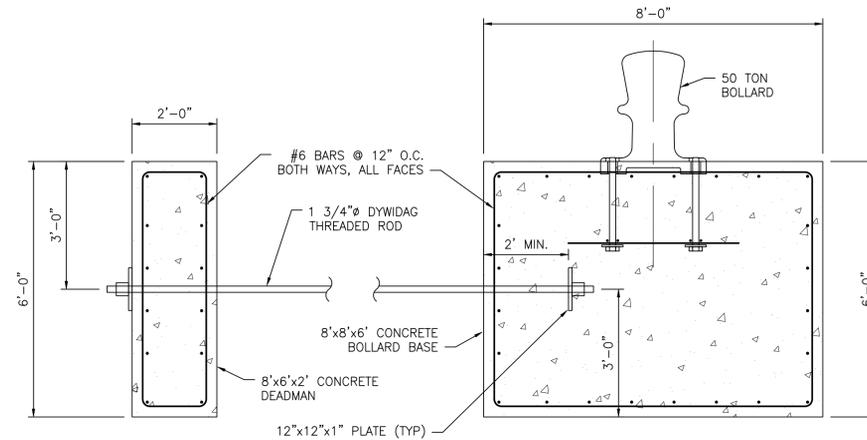
**KEYWAY DETAIL**  
SCALE: 6"=1'-0"



**PAVING DETAIL**  
SCALE: 1 1/2"=1'-0"  
NOTE WELL:  
PAVE ALL EXCAVATED AREAS.



**TYPICAL BOLLARD PLAN**  
SCALE: 1/8"=1'-0"



**DEADMAN/BOLLARD BASE SECTION**  
SCALE: 1/2"=1'-0"  
NOTE:  
3" CLEAR CONCRETE COVER FOR REINFORCING STEEL ON ALL SIDES.

**NOTICE OF INTENT**

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



Mark	Description	Date	Appr.

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Designed by:	DLP	Date:	02/11/19
Drawn by:	TEQ	Design file no.:	282118 NOI-03
Reviewed by:	DLP	Scale:	AS NOTED

EAST JETTY  
EDIC  
BOSTON, MA  
CONCRETE  
RETAINING WALL

Sheet reference number:  
**NOI-03**  
Sheet 3 of 3