

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Facilities Design & Construction Center

5505 Robin Hood Road, Suite K  
Norfolk, VA 23513-2431  
Phone: 757-852-3404  
Fax: 757-852-3495

11000

SEP 24 2021

City of Boston Conservation Commission  
Boston City Hall  
1 City Hall Square, Room 709  
Boston, Massachusetts 02201-2021

Dear Commission Members:

Enclosed please find two copies (one with original signatures) of a Notice of Intent (NOI) application and supporting documentation for the United States Coast Guard (USCG) for the proposed reconstruction project to support the homeporting of six (6) new 154' Sentinel Class Fast Response Cutter's (FRC's) and one (1) 87' WPB Cutter.

The proposed work includes the demolition and reconstruction of the pile-supported Pier 2 and Wharf 3, reconstruction of a bulkhead beneath Wharf 3, the removal of (1) floating dock at Pier 3, and installation of three (3) new concrete floating docks at Pier 2 and Pier 3. The work also includes various mechanical and electrical upgrades including the removal and replacement of shore-ties and utilities, and interior building renovations to support the new FRC's.

As a government agency, the Applicant respectfully requests that the Boston Conservation Commission's additional fee pursuant to the Boston Wetlands Ordinance be waived.

Abutters within 300-feet of the project parcel boundaries will be notified concurrently via Certificates of Mailing and proof of mailing will be provided at the Public Hearing.

We respectfully request the Conservation Commission to review the application and supplementary documentation. Thank you for your attention to this matter. If further information is required, please contact Ms. Jessica Parks, at (757) 852 – 3410 or by e-mail at [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil).

Sincerely,

A handwritten signature in blue ink that reads "J. D. Berry" followed by "CAPT" in a smaller font.

J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Enclosure: (1) Notice of Intent Application

Copy: MassDEP Northeast Regional Office (hard copy and electronic)  
Division of Marine Fisheries - North Shore Office (hard copy and electronic)

U.S. Department of  
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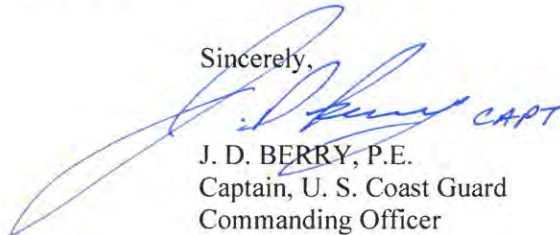
SEP 24 2021

Dear Commission Members:

Pursuant to the Notice of Intent (NOI) application and supporting documentation filed on behalf of the United States Coast Guard (USCG) for the proposed FRC Homeporting at USCG Base Boston project (the Project), we respectfully request that Collins Engineers, Inc. be permitted to represent the Project and respond to questions at the required Boston Conservation Commission hearings. Subsequent questions following the hearing shall be addressed to Ms. Jessica Parks by email at [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil).

Thank you for your attention to this matter. If further information is required, please contact Ms. Jessica Parks, at (757) 852 – 3410 or by e-mail at [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil).

Sincerely,

A handwritten signature in blue ink, appearing to read "J. D. Berry", with the word "CAPT" written in blue capital letters to the right of the signature.

J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Enclosure: Notice of Intent Application

Copy: MassDEP Northeast Regional Office (hard copy and electronic)  
Division of Marine Fisheries - North Shore Office (hard copy and electronic)

## **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.
- (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
- 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.

*UNITED STATES COAST GUARD BASE BOSTON*

*AT*

*466-490 HANOVER STREET*

*BOSTON, MASSACHUSETTS*

*NOTICE OF INTENT*

*SEPTEMBER 2021*

*PREPARED FOR:*

*CITY OF BOSTON*

*CONSERVATION COMMISSION*

*PREPARED BY:*

*COLLINS ENGINEERS, INC.*

*650 ISLINGTON STREET, SUITE 1*

*PORTSMOUTH, NH 03801*

*(603) 334-4742*

# TABLE OF CONTENTS

TABLE OF CONTENTS .....	1
WPA FORM 3 - NOTICE OF INTENT APPLICATION .....	2
CITY OF BOSTON NOTICE OF INTENT APPLICATION FORM .....	14
ATTACHMENT 1 - PROJECT NARRATIVE .....	20
PROJECT DESCRIPTION .....	20
ALTERNATIVES ANALYSIS .....	22
WETLAND RESOURCE AREAS AND IMPACTS .....	23
CONSTRUCTION METHODS.....	31
CLIMATE CHANGE.....	32
THREATENED AND ENDANGERED SPECIES .....	33
STORMWATER MANAGEMENT STANDARDS.....	33
OTHER JURISDICTIONS.....	37
ATTACHMENT 2 - FIGURES .....	38
ATTACHMENT 3 - COLOR PHOTOGRAPHS .....	46
ATTACHMENT 4 - PROJECT PLANS.....	51
ATTACHMENT 5 – NOTICES & LOCAL ORDINANCES .....	96
ATTACHMENT 6 – RARE AND ENDANGERED SPECIES .....	112
ATTACHMENT 7 – COASTAL RESILIENCE SOLUTIONS FOR DOWNTOWN BOSTON AND NORTH END FLOOD FIGURE.....	118
ATTACHMENT 8 – MASSDEP STORMWATER REPORT DOCUMENTATION .....	120

# WPA FORM 3 - NOTICE OF INTENT APPLICATION



**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

**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>466-490 Hanover Street</u>	<u>Boston</u>	<u>02109</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>NA</u>	<u>42.368889</u>	<u>-71.051944</u>
f. Assessors Map/Plat Number	d. Latitude	e. Longitude
	<u>0303050000</u>	
	g. Parcel /Lot Number	

2. Applicant:

<u>Captain John</u>	<u>Berry</u>	
a. First Name	b. Last Name	
<u>United States of America in the Person of the U.S. Coast Guard</u>		
c. Organization		
<u>5505 Robin Hood Road Suite K</u>		
d. Street Address		
<u>Norfolk</u>	<u>VA</u>	<u>23513</u>
e. City/Town	f. State	g. Zip Code
_____	_____	_____
h. Phone Number	i. Fax Number	j. Email Address

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

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

4. Representative (if any):

<u>Jessica</u>	<u>Parks</u>	
a. First Name	b. Last Name	
<u>United States of America in the Person of the U.S. Coast Guard</u>		
c. Company		
<u>5505 Robin Hood Road Suite K</u>		
d. Street Address		
<u>Norfolk</u>	<u>VA</u>	<u>23513</u>
e. City/Town	f. State	g. Zip Code
<u>757-852-3410</u>	<u>Jessica.E.Parks@uscg.mil</u>	
h. Phone Number	i. Fax Number	j. Email address

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

<u>\$2,487.50</u>	<u>\$987.50</u>	<u>\$1,500*</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid





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:

Demolition and reconstruction of the pile-supported Pier 2 and Wharf 3, demolition of (1) concrete floating dock, installation of three (3) concrete floating docks with five (5) access platforms and aluminum gangways, reconstruction of the existing bulkhead beneath Wharf 3 with a new soldier pile bulkhead, and various electrical and mechanical upgrades and interior building renovations.

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.

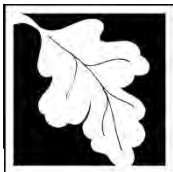
8. Property recorded at the Registry of Deeds for:

_____	_____
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.



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

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MassDEP File Number
Document Transaction Number
Boston
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 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.
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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

**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

**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 432 (direct), 38,383 (indirect / shading) Total = 38,815 SF	
b. <input checked="" 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> 808 SF (direct), 6,480 SF (indirect / shading) Total = 240 LF, 7,288 SF	<u>Proposed Replacement (if any)</u>
f. <input checked="" 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	18,793 SF (pile supported Pier 2 and Wharf 3) 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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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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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

- 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**

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\*

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

- 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.



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

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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).



**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

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MassDEP File Number

Document Transaction Number

Boston

City/Town

**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.



**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

**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.
  - Construction FRC Homeport-BSU Boston
  - a. Plan Title
  - Collins Engineers, Inc. Zachary Jenkins, PE
  - b. Prepared By c. Signed and Stamped by
  - \_\_\_\_\_
  - d. Final Revision Date 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:

31925848-4	09/14/2021
2. Municipal Check Number	3. Check date
31925849-5	09/14/2021
4. State Check Number	5. Check date
Danielle	Goudreau
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:

## WPA Form 3 – Notice of Intent

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

MassDEP File Number

Document Transaction Number

Boston

City/Town

### F. Signatures and Submittal Requirements

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

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

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

*J. D. Bury* CAPT  
24SEP21

*[Signature]*  
23SEP2021

#### 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.

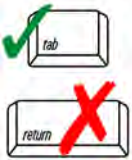
The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.





**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:

466-490 Hanover Street Boston  
 a. Street Address b. City/Town

\_\_\_\_\_ \_\_\_\_\_

c. Check number d. Fee amount

\_\_\_\_\_ \_\_\_\_\_

2. Applicant Mailing Address:

Captain John Berry  
 a. First Name b. Last Name

United States of America in the Person of the U.S. Coast Guard  
 c. Organization

5505 Robin Hood Road Suite K  
 d. Mailing Address

Norfolk VA 23513  
 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

**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
Category 5: Pier Replacement	540 LF	\$4/LF	\$2,000 (Maximum)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Step 5/Total Project Fee:** \$2,000

**Step 6/Fee Payments:**

Total Project Fee:	<u>\$2,487.50</u>
State share of filing Fee:	<u>\$987.50</u>
City/Town share of filing Fee:	<u>\$1,500*</u>
	a. Total Fee from Step 5
	b. 1/2 Total Fee <b>less</b> \$12.50
	c. 1/2 Total Fee <b>plus</b> \$12.50

**C. Submittal Requirements**

\*City of Boston filing fee structure

- 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.)

7021 0350 0000 9922 8105

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**CERTIFIED MAIL® RECEIPT**  
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Boston, MA 02211

**OFFICIAL USE**

Certified Mail Fee	\$3.75
\$	\$0.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.58
\$	\$4.33
<b>Total Postage and Fees</b>	
\$	



Sent To  
 COMMONWEALTH OF MASSACHUSETTS (DEP)  
 Street and Apt. No., or PO Box No.  
 BOX 4062  
 City, State, ZIP+4®  
 Boston, MA 02211

**CITY OF BOSTON**  
**NOTICE OF INTENT APPLICATION FORM**



**A. GENERAL INFORMATION**

1. Project Location

<u>466-490 Hanover Street</u> a. Street Address	<u>Boston</u> b. City/Town	<u>02109</u> c. Zip Code
_____	_____	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant

<u>Captain John</u> a. First Name	<u>Berry</u> b. Last Name	<u>United States of America in the Person of the U.S. Coast Guard</u> c. Company
<u>5505 Robin Hood Road Suite K</u> d. Mailing Address		
<u>Norfolk</u> e. City/Town	<u>VA</u> f. State	<u>23513</u> g. Zip Code
_____	_____	
h. Phone Number	i. Fax Number	j. Email address

3. Property Owner

_____	_____	_____
a. First Name	b. Last Name	c. Company
_____		
d. Mailing Address		
_____	_____	_____
e. City/Town	f. State	g. Zip Code
_____	_____	
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)

<u>Jessica</u> a. First Name	<u>Parks</u> b. Last Name	<u>United States of America in the Person of the U.S. Coast Guard</u> c. Company
<u>5505 Robin Hood Road Suite K</u> d. Mailing Address		
<u>Norfolk</u> e. City/Town	<u>VA</u> f. State	<u>23513</u> g. Zip Code
_____	_____	
<u>757-852-3410</u> h. Phone Number	_____	<u>Jessica.E.Parks@uscg.mil</u> j. Email address
i. Fax Number	_____	



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 project involves the demolition and replacement of the pile-supported Pier 2 and Wharf 3, installation of  
\_\_\_\_\_  
concrete floating docks, and various electrical and mechanical replacements and interior building renovations.  
\_\_\_\_\_

7. Project Type Checklist

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

8. Property recorded at the Registry of Deeds

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

9. Total Fee Paid

_____	_____	_____
\$2,487.50	\$987.50	\$1,500*
a. Total Fee Paid	b. State Fee Paid	c. City Fee Paid

\*City of Boston filing fee structure

**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	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> 25-foot Waterfront Area	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> 100-foot Salt Marsh Area	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> Riverfront Area	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>

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	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> Isolated Wetlands	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> Vernal Pool	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> Vernal Pool Habitat (vernal pool + 100 ft. upland area)	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> 25-foot Waterfront Area	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>
<input type="checkbox"/> Riverfront Area	_____ <i>Square feet</i>	_____ <i>Square feet</i>	_____ <i>Square feet</i>

**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?

---

The project will require a General Permit with the Army Corps of Engineers through a Preconstruction Notification.

---

The project will also require a NEPA review through a Categorical Exclusion.

---



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.

  
\_\_\_\_\_  
Signature of Applicant

24SEP21  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Property Owner (if different)

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature of Representative (if any)

28SEP2021  
\_\_\_\_\_  
Date

# ATTACHMENT 1 - PROJECT NARRATIVE

## PROJECT DESCRIPTION

Base Boston (Base) is an active U.S. Coast Guard (USCG) installation located in the North End of Boston at 427 Commercial Street (listed as 466-490 Hanover Street on Boston Assessor's database). The proposed work consists of demolition and removal of the existing Pier 2 and Wharf 3, and construction of a new concrete fixed pier and marginal wharf capable of supporting the mooring of 154-foot Sentinel Class Fast Response Cutter's (FRC's) and one 87-foot WPB Cutter (the Project). The scope also includes various mechanical and electrical utility replacements to support the new FRC's, and interior outfitting of existing buildings.

The existing Pier 2 and Wharf 3 were constructed circa 1945 and have been continuously altered and repaired throughout their lifetime. Both Pier 2 and Wharf 3 will be removed and replaced with a new pile supported structure within the same footprint with a 50-year design life. The proposed pier and wharf are located within the FEMA 100-year Flood Elevation; however, the project consists of replacement and will not result in a change or increase to the frequency flood level or storage.

### Pier 2

The existing Pier 2 is 75-feet wide and extends 282-feet northeast into Boston Harbor. The existing pier is comprised of (266) 10 – 12 inch diameter steel pipe support piles, reinforced concrete pile cap and deck system, (111) 14-inch diameter timber fender piles along the perimeter of the pier, and shore-ties to provide utility services for vessels. The proposed pier replacement will be within the same footprint; however, the proposed pier has a smaller width at 44-feet wide by 281.5-feet long and consists of (60) 24-inch diameter steel pipe piles and precast concrete pile caps with a precast concrete deck. Existing shore-ties and utilities will be removed and replaced, and (36) 14-inch diameter timber fender piles will be provided.

A new CCTV surveillance system will be installed to provide camera coverage of Pier 2, and pole-mounted LED lights with photocell control will be provided along the topside of the pier. The proposed lighting will consider minimum lighting densities for security and operations to mitigate nuisance lighting to nearby residents, recreational boaters, and marine life.

### Wharf 3

The existing pile-supported Wharf 3 is located at the landside connection of the property at the base of Pier 2. The existing wharf is 63-feet wide by 258-feet long and consists of (202) 10-inch diameter steel pipe piles, reinforced concrete pile cap and deck system, and shore-ties. The proposed wharf replacement will be within the existing footprint and will consist of (70) 24-inch diameter steel pipe piles and precast concrete pile caps with a precast concrete deck.

The landside connection beneath Wharf 3 consists of  $\pm 240$ -linear feet of existing steel sheet pile bulkhead, 10-inch diameter steel batter piles along the face of the bulkhead, and a riprap

slope in front of the existing bulkhead. The proposed bulkhead replacement consists of a soldier pile wall with (27) W24 steel piles and precast concrete shutter panels. The bulkhead will be installed outboard of the existing sheet pile and the annulus between the proposed and existing bulkhead will be filled with concrete. To facilitate installation of the bulkhead, the existing steel batter piles will be removed, and riprap stones will be removed and reset along the footprint of the existing slope.

Pole-mounted LED lights with photocell control will be provided along the topside of the wharf. The proposed lighting will consider minimum lighting densities for security and operations to mitigate nuisance lighting to nearby residents, recreational boaters, and marine life.

### Floating Docks

The proposed concrete floating dock along the north side of Pier 2 (Pier 2-Alpha) is 16.5-feet wide by 200-feet long and consists of (9) 16-inch diameter steel pipe piles. One (1) new 6-foot wide by 16-foot wide steel access pier with (4) 12-inch diameter steel pipe piles will be installed to provide access to the float with one (1) new 5-foot wide by 50-foot long aluminum gangway. The proposed concrete floating dock along the south side of Pier 2 (Pier 2-Bravo) is 16.5-feet wide by 375-feet long and consists of (16) 16-inch diameter steel pipe piles. The floating dock will be provided with (2) 6-foot wide by 16-feet long steel platforms at each end of the float with a total of (8) 12-inch diameter steel pipe piles. Each platform will be provided with a 5-foot wide by 50-foot long aluminum gangway leading down to the float.

The existing 10-foot wide by 98-foot long concrete floating dock at the north side of Pier 3 (Pier 3-Alpha) will be removed and a new 16.5-feet wide by 355-feet long concrete floating dock will be installed with (15) 16-inch diameter steel pipe piles. Two (2) 6-foot wide by 16-foot long steel access piers with a total of (8) 12-inch diameter steel pipe piles will be installed at each end of the float and provided with 5-foot wide by 50-foot long aluminum gangways.

New shore-ties will be provided at each floating dock to supply FRC mooring vessels with water, sewer, electrical, and telecommunications. Pole-mounted LED lights with photocell control will be provided along the topside of Pier 3 to provide lighting to the proposed floating dock. The proposed lighting will consider minimum lighting densities for security and operations to mitigate nuisance lighting to nearby residents, recreational boaters, and marine life.

### Landside

The landside portion of the Project consists of the interior reconfiguration and outfitting of the Building 14 WMEC WAT space and mezzanines to provide the Base Boston Pipe Shop with office and shop space, and outfitting of the Building 16 interior boat work bay area for the FRC's small vessel maintenance component. The proposed building renovations consist of redesign of new office spaces, construction of new mezzanine space, upgrades to electrical and IT connections, and relocation and installation of furniture, fixtures, and equipment.

Shore-ties being removed and replaced at the floating docks located at Pier 2 and Wharf 3 will require replacement of (1) transformer at Building 11 which is utilized as the electrical vault for the Base, and (2) transformers at Building 7. In addition, new conduit will be installed between the shore-tie mound and Building 11 for telecommunications. A total of (12) Electrical Vehicle charging stations will be installed along the north side of Pier 1.

All landside subsurface conduit and piping to be removed and replaced will be incased in reinforced concrete duct banks.

## **ALTERNATIVES ANALYSIS**

The Project is being completed to support the Homeporting of (6) new Fast Response Cutters for USCG operations at Base Boston. There are several alternatives for the Project to meet the requirements to support the new FRC's including do nothing, remove and replace in-kind, and remove and replace with a reduced footprint.

The do nothing alternative involves leaving Pier 2 and Wharf 3 in place with upgrades to increase load carrying capacity of the deteriorated infrastructure and support the new FRC's. The existing pier and marginal wharf were constructed circa 1945 with and have been continuously altered and repaired throughout their lifetime. An allowable loading condition structural analysis was performed in 1997 which indicated that the existing pier and wharf had an allowable load carrying capacity of 20-tons. Homeporting of the new FRC's requires a 90-ton capacity, therefore a structural inspection and assessment of Pier 2 and Wharf 3 would be required to determine the current capacity of existing infrastructure and the retrofit required to meet the specified loading conditions. Given that the existing structures are approximately 76-years old and beyond the typical service life of steel supported structures in a corrosive marine environment, leaving the existing infrastructure in place and providing retrofits to increase load carrying capacity is not feasible. In addition, the removal and replacement of existing utilities, shore-ties, and mooring bollards would be required to support the new vessels.

A replacement alternative for Homeporting includes the removal and replacement of Pier 2 and Wharf 3 in-kind within the same footprint. Depending on the original capacity of the existing structures, this alternative may require the use of larger piles to meet the design loading requirements resulting in an increase in direct impacts to Land Under Ocean. Homeporting of the new FRC's would also require the use of floating docks to access the vessels with the large tide differential in Boston Harbor resulting in an increase in indirect impacts to Land Under Ocean.

A second replacement alternative includes the removal and replacement of Pier 2 and Wharf 3 within the same footprint; however, includes a reduction in the width of Pier 2 from 75-feet to 44-feet and the use of 24-inch pipe piles. The installation of larger diameter piles allows larger spacing between piles which results in less piles than the existing pier and a smaller increase in direct impacts to Land Under Ocean than in-kind replacement with larger piles. Floating docks would also be required to access the vessels; however, there is a smaller increase in indirect impacts to Land Under Ocean than in-kind replacement.

The replacement alternatives for the Project also include replacement of the existing sheet pile bulkhead. The do nothing alternative for this portion of the work would involve leaving the sheet pile in place during replacement of the pier and wharf infrastructure. The existing sheet pile bulkhead is over 20-years old and would likely require replacement before the new pier and wharf reach the end of their 50-year useful service life. In addition, leaving the bulkhead in its present condition would require the completion of a structural inspection and assessment to determine if the existing capacity meets design load requirements. A replacement alternative for the bulkhead consists of removal of the existing steel sheet pile and replacement within the same footprint. This option is not feasible because the deteriorated sheet piles may break at the mudline during removal and inhibit installation of new piles. In addition, the removal of the sheet pile would result in an open earthen slope and require the use of a temporary cofferdam in order to prevent erosion of the slope and loss of material into the harbor. The most feasible replacement alternative involves installation the proposed bulkhead outboard of the existing sheet pile to facilitate pile driving and filling the annulus between the walls with concrete.

The chosen alternative for this project includes removal and replacement of Pier 2 with a decreased footprint, removal and replacement of Wharf 3 within the same footprint, installation of new concrete floating docks, and installation of a new soldier pile bulkhead outboard of the existing. The proposed work has the least impact to resource areas while meeting the requirements for the Homeporting of new FRC vessels.

## **WETLAND RESOURCE AREAS AND IMPACTS**

The Project provides water access and mooring for the Homeporting of new FRC vessels and is classified as a “water-dependent use” for the purposes of the Massachusetts Department of Environmental Protection (MassDEP) wetlands regulations pursuant to the Wetlands Protection Act (WPA). Wetland resource areas that are being impacted from the proposed work include ***Land Under Ocean (310 CMR 10.25)***, ***Coastal Bank (310 CMR 10.30)***, and ***Land Subject to Coastal Storm Flowage***. A review of MassGIS indicates that the area does not provide suitable habitat for shellfish and is designated as restricted for shellfish harvesting. There has been no mapped seagrass in the area according to MassGIS.

The proposed work and impacts to resource areas are in compliance with the performance standards of the WPA as described below.

### **Land Under Ocean (310 CMR 10.25)**

Land Under Ocean (LUO) extends from Mean Low Water (MLW) seaward. The WPA regulations presume that Land Under Ocean is likely significant to the protection of marine fisheries and if shellfish are present, to the protection of land containing shellfish. Nearshore areas of LUO are likely to be significant to storm damage prevention, flood control, and protection of wildlife.

Table 1 summarizes the anticipated impacts to LUO as a result of the Project, as further described below.

### Pier 2

The demolition of the existing pile-supported pier consists of full removal of the structure which is located entirely within LUO and includes the following removal of impacts from the resource area:

- 75-foot wide by 282-foot long deck (21,150-square feet)
- (266) 10 to 12-inch diameter steel pipe piles (164-square feet)
- (111) 14-inch diameter timber fender piles (118-square feet)

The proposed Pier 2 replacement will be constructed within the existing footprint with an overall reduced size and will consist of the following impacts to the resource area:

- 44-foot wide by 282-foot long deck (12,408-square feet)
- (60) 24-inch diameter steel pipe piles (189-square feet)
- (36) 14-inch diameter timber fender piles (39-square feet)

### Wharf 3

The demolition of the existing pile-supported wharf includes full removal of the structure which is located partially within LUO and partially within a Coastal Bank for piles located above the MLW line (discussed in the following section). The demolition of the wharf includes the following removal of impacts from the resource area:

- 63-foot wide by 258-foot long deck total (9,774-square feet to LUO)
- (112) 10-inch diameter steel pipe piles (61-square feet)

The proposed Wharf 3 replacement will be constructed within the existing footprint and will consist of the following impacts to the resource area:

- 63-foot wide by 258-foot long deck (9,774-square feet to LUO)
- (42) 24-inch diameter steel pipe piles (132-square feet to LUO)

### Floating Docks

The proposed work includes demolition of one (1) floating dock and gangway at Pier 3-Alpha within LUO, including the following removal of impacts from the resource area:

- 10-foot wide by 98-foot long dock (980-square feet)
- (7) 14-inch diameter steel piles (8-square feet)
- Platform and aluminum gangway (75-square feet above water)\*  
\* *Conservatively not including impacts removed from floating dock*

The proposed work includes the installation of three (3) new concrete floating docks within LUO which consists of the following impacts to the resource area:

Pier 2-Alpha: 16.5-foot x 200-foot dock (3,300-square feet)  
 (9) 16-inch diameter concrete-filled steel guide piles (13-square feet)  
 (1) 6-foot by 16-foot steel access pier and gangway (171-square feet above water)  
 (4) 12-inch diameter steel pipe piles (3.2-square feet)

Pier 2-Bravo: 16.5 foot by 375-foot dock (6,188-square feet)  
 (16) 16-inch diameter concrete-filled steel guide piles (22-square feet)  
 (2) 6-foot by 16-foot steel access piers and gangways (342-square feet above water)  
 (8) 12-inch diameter steel pipe piles (6.4-square feet)

Pier 3-Alpha: 16.5 foot by 355-foot dock (5,858 square feet)  
 (15) 16-inch diameter concrete-filled steel guide piles (21-square feet)  
 (2) 6-foot by 16-foot steel access piers and gangways (342-square feet above water)  
 (8) 12-inch diameter steel pipe piles (6.4-square feet)

**Table 1: Impacts to Land Under Ocean**

Structure	Indirect Impact (square feet)	Direct Impact (square feet)
<b>REMOVAL</b>		
Pier 2	21,150	282
Wharf 3	9,774	61
Floating Docks	1,055	8
Access Platforms	-	-
<b>TOTAL REMOVAL:</b>	<b>31,979</b>	<b>351</b>
<b>PROPOSED</b>		
Pier 2	12,408	228
Wharf 3	9,774	132
Floating Docks	15,346	56
Access Platforms	855	16
<b>TOTAL PROPOSED:</b>	<b>38,383</b>	<b>432</b>
<b>NET</b>		
Pier 2	(8,742)	(93)
Wharf 3	0	71
Floating Docks	14,290	48
Access Platforms	855	16
<b>TOTAL NET:</b>	<b>6,403</b>	<b>42</b>

The proposed project complies with the relevant performance standards for **Land Under Ocean** pursuant to 310 CMR 10.25 within the WPA regulations as outlined below:

**310 CMR 10.25 (3)** *Improvement dredging for navigational purposes affecting land under the ocean shall be designed and carried out using the best available measures so as to minimize adverse effects on such interests caused by changes in:*

- a. *bottom topography which will result in increased flooding or erosion caused by an increase in the height or velocity of waves impacting the shore;*
- b. *sediment transport processes which will increase flood or erosion hazards by affecting the natural replenishment of beaches;*
- c. *water circulation which will result in an adverse change in flushing rate, temperature, or turbidity levels; or*
- d. *marine productivity which will result from the suspension or transport of pollutants, the smothering of bottom organisms, the accumulation of pollutants by organisms, or the destruction of marine fisheries habitat or wildlife habitat.*

The Project does not include improvement dredging for navigational purposes; therefore this performance standard is not applicable.

**310 CMR 10.25 (4)** *Maintenance dredging for navigational purposes affecting land under the ocean shall be designed and carried out using the best available measures so as to minimize adverse effects on such interests caused by changes in marine productivity which will result from the suspension or transport of pollutants, increases in turbidity, the smothering of bottom organisms, the accumulation of pollutants by organisms, or the destruction of marine fisheries habitat or wildlife habitat.*

The Project does not include maintenance dredging for navigational purposes; therefore this performance standard is not applicable.

**310 CMR 10.25 (5)** *Projects not included in 310 CMR 10.25 (3) or (4) which affect nearshore areas of land under the ocean shall not cause adverse effects by altering the bottom topography so as to increase storm damage or erosion of coastal beaches, coastal banks, coastal dunes, or salt marshes.*

The proposed piles are within the footprint of the existing pier which is considered previously altered and will not have an adverse effect on bottom topography or storm damage. There are no coastal beaches, coastal dunes, or salt marshes in the vicinity of the project. There is a coastal bank along the landside portion of Wharf 3 beneath the deck; however, the coastal bank is a previously altered hardened structure and will not be adversely affected due to erosion.

**310 CMR 10.25 (6)** *Projects not included in 310 CMR 10.25 (3) which affect land under the ocean shall if water-dependent be designed and constructed, using best available measures, so as to minimize adverse effects, and if non-water dependent, have no adverse effects, on marine fisheries habitat or wildlife habitat caused by:*

- a. *alterations in water circulation;*
- b. *destruction of eelgrass or widgeon grass beds;*



- c. *alterations in the distribution of sediment grain size;*
- d. *changes in water quality, including, but not limited to, other than natural fluctuations in the level of dissolved oxygen, temperature or turbidity, or the addition of pollutants; or*
- e. *alterations of shallow submerged lands with high densities of polychaetes, mollusks, or macrophytic algae.*

The Project will not have an adverse effect on marine fisheries habitat or wildlife habitat. The proposed reconstruction of Pier 2 and Wharf 3 are pile supported, thereby minimizing impacts to Land Under Ocean if the structures were to be solid-filled. The proposed concrete floating docks are also pile supported which minimizes impacts to Land Under Ocean by eliminating year-round cyclic impacts that occur with a bottom anchor and chain system. Based on existing mudline elevations and the tide cycle within Boston Harbor, the concrete floating docks provide a minimum clearance of approximately 19-feet above the mudline during Mean Lower Low Water.

The proposed 24-inch diameter piles were selected for the Pier 2 and Wharf 3 replacement due to the increased vertical topside and lateral vessel loading requirements for Homeporting. The selected pile size allows a larger pile spacing of 11-feet compared to the original  $\pm 9.5$ -foot spacing of the original pier and wharf, thereby increasing water circulation.

The proposed 24-inch and 16-inch diameter pipe piles will be installed utilizing an impact hammer which may result in minor levels of turbidity during construction; however, the piles will not result in any long-term impacts to turbidity or alteration of sediment grain size. The Contractor will deploy a turbidity barrier during construction to minimize the effects of the turbidity on the surrounding areas. The proposed piles will not introduce pollutants or change the level of dissolved oxygen, temperature. Pollutants will be removed from the area by demolition of the existing pier which consists of creosote-treated timber fender piles which will be disposed of offsite in accordance with local, state, and federal regulations.

The Project location is not suitable for shellfish habitat and no eelgrass (*Zostera marina*) or widgeon grass (*Ruppia maritima*) are noted within the vicinity of the project pursuant to MassGIS. An underwater investigation was performed beneath the existing pier and wharf utilizing a 3-person team of engineer-divers in accordance with 29 CFR 1910 Subpart T, OSHA requirements for commercial diving which revealed no indication of seagrass within the footprint of the proposed work. The indirect shading impacts from the proposed pier and wharf replacement are within the footprint of the existing structures and will not result in an adverse impact to the resource area, and the new shading impacts due to the proposed floating docks will not result in an adverse impact to the resource area.

*310 CMR 10.25 (7) Notwithstanding the provisions of 310 CMR 10.25 (3) through (6), 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.*

A review of MassGIS Natural Heritage data indicates that there are no known Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife in the vicinity of the project (included in **Attachment 2**).

### **Coastal Bank (310 CMR 10.30)**

The WPA regulations presume that Coastal Banks are likely to be significant to storm damage prevention and flood control. The Project includes the removal and replacement of Wharf 3, a portion of which is located above MLW. In addition, the existing bulkhead beneath Wharf 3 at the landside connection will be replaced with a new soldier pile bulkhead installed outboard of the existing within the previously altered manmade riprap slope located above MLW.

A Coastal Bank is defined as the seaward face or side of any elevated landform, other than a coastal dune, which lies at the landward edge of a coastal beach, land subject to tidal action, or other wetland. Per the WPA regulations, the existing Coastal Bank is located along the existing bulkhead at the project site. Although the proposed bulkhead and a portion of Wharf 3 support piles are located between MLW and MHW (within land subject to tidal action) and are considered to be seaward of the Coastal Bank and landward of Land Under Water, the installation of a new bulkhead will alter the existing Coastal Bank and impacts due to the bulkhead installation and pile installation above MLW are therefore considered as impacts to the Coastal Bank for the purpose of this application.

The proposed bulkhead totals 240-linear feet and will be installed within the existing riprap revetment outboard of the existing bulkhead in the intertidal zone. The area between the existing and proposed bulkhead will be filled with concrete which results in a total of 720-square feet of impact to the previously altered resource area (240-ft x 3-ft). The batter piles that support the existing bulkhead will be removed in order to facilitate installation of the new soldier pile bulkhead, and existing riprap will be removed and reset along the existing slope as required.

Table 2 summarizes the anticipated impacts to Coastal Banks as a result of the Project, as further described below.

### **Wharf 3**

The demolition of the existing pile-supported wharf includes full removal of the structure which is located partially within a Coastal Bank for piles installed above MLW. The demolition of the wharf includes the following removal of impacts from the resource area:

- 63-foot wide by 258-foot long deck total (6,480-square feet to Coastal Bank)
- (90) 10-inch diameter steel pipe piles (49-square feet)

The proposed Wharf 3 replacement will be constructed within the existing footprint and will consist of the following impacts to the resource area:

- 63-foot wide by 258-foot long deck (6,480-square feet to Coastal Bank)
- (28) 24-inch diameter steel pipe piles (88-square feet to Coastal Bank)
- 240-linear feet of bulkhead (720-square feet with 27 W24 steel piles)

**Table 2: Impacts to Coastal Bank**

Structure	Indirect Impact (square feet)	Direct Impact (square feet)
<b>REMOVAL</b>		
Pier 2	-	-
Wharf 3	6,480	49
Floating Docks	-	-
Access Platforms	-	-
<b>TOTAL REMOVAL:</b>	<b>6,480</b>	<b>49</b>
<b>PROPOSED</b>		
Pier 2	-	-
Wharf 3	6,480	808*
Floating Docks	-	-
Access Platforms	-	-
<b>TOTAL PROPOSED:</b>	<b>6,480</b>	<b>808*</b>
<b>NET</b>		
Pier 2	-	-
Wharf 3	0	759
Floating Docks	-	-
Access Platforms	-	-
<b>TOTAL NET:</b>	<b>0</b>	<b>759**</b>

\* 88 SF Pier 3 support piles, 720 SF bulkhead (3-foot offset x 240 linear feet) proposed

\*\* 39 SF Pier 3 support piles, 720 SF bulkhead (3-foot offset x 240 linear feet) net

The proposed project complies with the relevant performance standards for **Coastal Bank** pursuant to 310 CMR 10.30 within the WPA regulations as outlined below:

**310 CMR 10.30 (3)** *No new bulkhead, revetment, seawall, groin or other coastal engineering structure shall be permitted on such a coastal bank except that such a coastal engineering structure shall be permitted when required to prevent storm damage to buildings constructed prior to the effective date of 310 CMR 10.21 through 10.37 or constructed pursuant to a Notice of Intent filed prior to the effective date of 310 CMR 10.21 through 10.37 (August 10, 1978), including reconstructions of such buildings subsequent to the effective date of 310 CMR 10.21 through 10.37.*

The proposed soldier pile bulkhead is being installed to replace the existing sheet pile bulkhead and is not considered a new structure. It is not feasible to install the proposed bulkhead in the same location as the existing bulkhead (Coastal Bank) because the demolition and removal of the existing bulkhead would require significant impacts to the resource area and dewatering to prevent backfill from entering the resource area. It is also possible that the existing sheet piles that comprise the bulkhead may break at the mudline during removal which would result in an obstruction and impede installation of new piles. In addition, the original bulkhead was constructed circa 1945 before the effective date of 310 CMR 10.21 through 10.37.

***310 CMR 10.30 (4)** Any project on a coastal bank or within 100 feet landward of the top of a coastal bank, other than a structure permitted by 310 CMR 10.30(3), shall not have an adverse effect due to wave action on the movement of sediment from the coastal bank to coastal beaches or land subject to tidal action.*

There are no Coastal Beaches within the vicinity of the Project. The land subject to tidal action located adjacent to the Coastal Bank is previously altered and consists of placed riprap stones with no visible sediment. The existing Coastal Bank is also previously altered and consists of a steel sheet pile wall which is not capable of supply sediment to nearby resource areas.

***310 CMR 10.30 (5)** The Order of Conditions and the Certificate of Compliance for any new building within 100 feet landward of the top of a coastal bank permitted by the issuing authority under M.G.L. c. 131, § 40 shall contain the specific condition: 310 CMR 10.30(3), promulgated under M.G.L. c. 131, § 40, requires that no coastal engineering structure, such as a bulkhead, revetment, or seawall shall be permitted on an eroding bank at any time in the future to protect the project allowed by this Order of Conditions.*

The Project does not proposed any new buildings within 100-feet landward of the top of a coastal bank; therefore this performance standard is not applicable.

***310 CMR 10.30 (6)** Any project on such a coastal bank or within 100 feet landward of the top of such coastal bank shall have no adverse effects on the stability of the coastal bank.*

The proposed bulkhead replacement is being completed to maintain stability of the existing sheet pile bulkhead (Coastal Bank) for the reconstruction of Pier 2 and Wharf 3. The existing riprap revetment in front of the Coastal Bank will be removed and relocated in order to facilitate installation of the new bulkhead.

***310 CMR 10.30 (7)** Bulkheads, revetments, seawalls, groins or other coastal engineering structures may be permitted on such a coastal bank except when such bank is significant to storm damage prevention or flood control because it supplies sediment to coastal beaches, coastal dunes, and barrier beaches.*

The Coastal Bank is located below the FEMA 100-year Flood Elevation and the bulkhead is being replaced at the same elevation as the existing structure. The Coastal Bank consists of an existing sheet pile wall and riprap revetment which is considered previously altered and does not supply sediment to other resource areas; therefore, it is not considered significant to storm damage prevention or flood control.

***310 CMR 10.30 (8)** Notwithstanding the provisions of 310 CMR 10.30(3) through (7), 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.*

A review of MassGIS Natural Heritage data indicates that there are no known Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife in the vicinity of the project (included in **Attachment 2**).

### **Land Subject to Coastal Storm Flowage**

A portion of the site is located within the FEMA 100-year Flood Zone (FEMA Flood Velocity Zone, Elevation 13 NAVD88 as shown in attached figures). The Project activities proposed in Land Subject to Coastal Storm Flowage includes the replacement of Pier 2, a portion of the Wharf 3 replacement, and the installation of concrete floating docks and access platforms.

The WPA regulations do not include any performance standards for Land Subject to Coastal Storm Flowage; however, the Project will not create any adverse impacts to this resource area.

### **CONSTRUCTION METHODS**

Demolition and reconstruction of the proposed Pier 2 and Wharf 3 replacement and installation of new concrete floating docks will be completed utilizing both land-based and water-based equipment.

The topside of the pier and wharf is comprised of a reinforced concrete deck and pile caps which will be demolished and removed utilizing a demolition excavator or equivalent from the topside of the structure. Containment methods will be used as necessary beneath the pier and wharf in order to capture any potential concrete debris from entering the waterway during demolition operations, and a turbidity/debris boom will be deployed during completion of the work. Demolition materials will be moved to an adjacent materials barge, floated to an offsite staging area, loaded onto trucks, and hauled outside for disposal.

The existing steel pipe piles and creosote timber fender piles will be removed utilizing a barge-mounted crawler crane with a vibratory hammer attachment. The crane barge will be set adjacent to the pier and wharf and extracted piles will be loaded onto an adjoining material barge for disposal.

Construction of the new pier and wharf is not anticipated to commence until the structures are demolished in their entirety. The new piles will be delivered to the Contractor's yard and loaded onto a barge which will then be transported to the site. Pile installation will be facilitated utilizing a barge-mounted crawler crane with an impact hammer to drive the new steel pipe piles, timber fender piles, and steel H-piles. Although removal and installation of the proposed piles is not considered a turbidity-causing activity and very little turbidity is anticipated during pile extraction and installation, a turbidity curtain will be installed around the area of work to contain any potential in-water turbidity and disruption.

The installation of the proposed bulkhead will require the removal and resetting of existing riprap in front of the existing bulkhead to facilitate pile driving. Stones will be removed and reset along the existing slope in the dry during low tide to minimize impacts to water quality to the extent practical. When daily tidal cycles are not conducive to the work schedule, turbidity curtains will be deployed prior to the start of work.

Following pile installation, the precast concrete pile caps and deck panels will be brought to the site via barge and will be installed with the barge-mounted crawler crane.

Demolition of the pier and wharf will be phased and is anticipated to take approximately 10-months to complete between December 2021 through September 2022. Pile driving for the pile supported pier and bulkhead is anticipated to take approximately 5-months to complete from July 2022 to November 2022. Installation of piles for the new floating docks is anticipated to take approximately 4-months and occur between February 2022 to May 2023. Topside construction of the pier and wharf superstructure will be phased and is estimated to take approximately 10-months to complete between July 2022 and May 2023.

The in-water installation work is currently scheduled to occur from July to November which falls outside of the anticipated Time of Year (TOY) restriction for Winter Flounder and diadromous fish (February 15 - June 30); however, the Project is in the preliminary stages and is design-build construction, so the schedule is subject to change. If the work on the proposed bulkhead or installation of piles is required within the TOY restriction, minimization of impacts to water quality will be accomplished by deploying a turbidity curtain and working on the riprap slope during low water tide cycles to the extent practical. There is a TOY restriction for shellfish (June 1 - October 31); however, no shellfish were observed in the vicinity of the Project and no shellfish suitability or grow areas were identified from a review of MassGIS.

## **CLIMATE CHANGE**

In response to the City's resiliency efforts, we have reviewed "Coastal Resilience Solutions for Downtown Boston and North End" (the Report) and the Sea Level Rise-Flood Hazard Area mapping tool created by the City as part of Climate Ready Boston. The Report and mapping identify projected vulnerable areas and flood pathways under near-term (present through 2030s), mid-term (2030s through 2050s) and long-term (2050s and beyond) timeframes. Although USCG Base Boston was not specifically analyzed as part of the report, the site is identified within the long-term vulnerable area with a flood pathway developing during the 1-percent annual storm with 40" of sea level rise by 2070 (**Attachment 7**). The proposed design has a 50-year design life, with an anticipated end of service life estimated to be 2072, roughly correlating with the projected flood impacts.

The anticipated 2070 flood pathway is located to the north of Pier 2 where flood waters are projected to overtop the existing structure and begin to flow into the surrounding neighborhood. For this project, the scope includes the full replacement of the bulkhead and pile supported Pier 2 and Wharf 3 which are not considered vulnerable until the end of their design life. In addition, the anticipated flood pathway is located north of Pier 2 which is beyond the project limits, so designing the structures to protect against future flood levels may not divert or inhibit the projected flooding to the surrounding neighborhood. If resiliency strategies were incorporated into the replacement structures without modifications to the adjacent areas also susceptible to flooding by 2070, the functionality and usability of the structures and surrounding infrastructure would be affected given the current water levels and tide range.

It is anticipated that a reevaluation of the storm conditions combined with sea level rise will be required at the end of the design life to account for future conditions, and that future improvements to the area could include raising the top elevation of the existing wharf, or regrading the site including strategic landscaping, retaining walls, or earthen berms to increase green space on the site.

## **THREATENED AND ENDANGERED SPECIES**

A review of iPaC database indicates that there are no known threatened or endangered species in the vicinity of the project site, and the proposed work is not located within a critical habitat (included in **Attachment 6**). A review of MassGIS indicates that there are no known Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife in the vicinity of the project (included in **Attachment 2**).

## **STORMWATER MANAGEMENT STANDARDS**

In accordance with 310 CMR 10.04, a redevelopment project is defined as a replacement, rehabilitation, or expansion of existing structures, provided there is no net increase in impervious area. The demolition and reconstruction of the proposed Pier 2 and Wharf 3 will result in a net decrease in impervious area as the proposed footprint of Pier 2 will be reduced from 75' wide to 44' wide. The installation of the concrete floating docks are not considered as additional impervious surface area as stormwater runoff cannot be treated from the floating docks.

As a redevelopment project, the proposed work is required to meet the following Stormwater Management Standards. A copy of the Checklist for Stormwater Report and additional documentation that encompass this Stormwater Report, including the USCG's site-specific Spill Prevention, Control, and Countermeasure Plan (SPCC) and Stormwater Pollution Prevention Plan (SWPP), is included in **Attachment 8** of this application.

*(1) No new stormwater conveyances (e.g. outfalls) may discharge untreated stormwater directly to or cause erosion in wetlands or waters of the Commonwealth.*

The Project includes the removal and reconstruction of existing pile supported structures and does not include any new outfalls discharging untreated stormwater to waters of the Commonwealth; therefore this standard is met to the maximum extent practicable.

*(2) Stormwater management systems shall be designed so that post-development peak discharge rates do not exceed pre-development peak discharge rates. This Standard may be waived for discharges to land subject to coastal storm flowage as defined in 310 CMR 10.04.*

The existing stormwater runoff at Pier 2 and Wharf 3 consists of sheet flow over the structures which will be reduced by reducing the overall size of the proposed Pier 2 replacement. The installation of concrete floating docks are not considered as additional impervious surface area as stormwater runoff cannot be treated from the floating docks. The Project includes the removal and reconstruction of existing pile supported structures with a smaller footprint and therefore does not exceed the pre-development peak discharge rates; therefore this standard is met to the maximum extent practicable.

*(3) Loss of annual recharge to groundwater shall be eliminated or minimized through the use of infiltration measures including environmentally sensitive 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.*

The Project is limited to the removal and reconstruction of existing pile supported structures over waters of the Commonwealth which do not provide annual recharge to groundwater. There will be no loss of annual recharge post-development and the installation of stormwater BMP's and infiltration is nearly impossible; therefore this standard is met to the maximum extent practicable.

*(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 long-term pollution prevention plan, and thereafter are implemented and maintained*

The USCG has developed a site-specific Spill Prevention, Control, and Countermeasure Plan that addresses the requirements of the Stormwater Management Standard No. 4 (included in **Attachment 8**).

*b. Structural stormwater best management practices are sized to capture the required water quality volume determined in accordance with the Massachusetts Stormwater Handbook; and*

The Project includes removal and reconstruction of existing pile supported structures, maintains the existing stormwater system and pathways, and does not include any new structural stormwater installations; therefore this standard is not applicable.

*c. Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.*

The Project includes removal and reconstruction of existing pile supported structures, maintains the existing stormwater system and pathways, and does not include any new structural stormwater installations; therefore this standard is not applicable.

*(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.*



The site is regulated by the National Pollutant Discharge Elimination System (NPDES) Multi-Sector General Permit (MSGP) for stormwater discharges associated with industrial activity and is therefore considered a land use with higher potential pollutant loads. The site is not located in a Wellhead Protect Zone or a Surface Water Protection Area.

A long-term pollution prevention plan is included in the USCG's site-specific SPCC and SWPPP (included in Appendix 8) which describes stormwater control measures and best management practices (BMP's) to minimize any discharges that come into contact with industrial activities. These measures include:

- Portable secondary containment system is used when pressure washing boats
- All materials and equipment are provided with the appropriate secondary containment. Leaking equipment is removed from service and repaired.
- Spill kits are located in all areas where hazardous materials/wastes are stored.
- Leaking vehicles and equipment are promptly moved inside; if immediate relocation is not possible, pads and spill pans are utilized.
- Personal vehicles discovered to be leaking fluids are required to be removed from the facility.
- All tanks and containers are equipped with gauges to prevent overfills. Fueling contractors place buckets under fuel connections during fueling and remove them when they finish fueling.
- All tanks are double-walled, and all drums are stored in secondary containment.

The SWPPP complies with applicable laws, regulations, permits and approvals, including 314 CMR 3.00, 314 CMR 4.00, and 314 CMR 5.00; and therefore this Stormwater Management Standard No. 5 is met. In addition, the SWPPP is not required to be amended and resubmitted as the Project includes the removal and reconstruction of existing pile supported structures and does not have a significant effect on the potential for the discharge of pollutants to the waters of the Commonwealth which have not otherwise been addressed in the SWPPP.

*(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. A discharge is near a critical area if there is a strong likelihood of a significant impact occurring to said area, taking into account site-specific factors. Stormwater discharges to Outstanding Resource Waters and Special Resource Waters shall be removed and set back from the receiving water or wetland and receive the highest and best practical method of treatment. A "storm water discharge" as defined in 314 CMR 3.04(2)(a)1 or (b) to an Outstanding Resource Water or Special Resource Water shall comply with 314 CMR 3.00 and 314 CMR 4.00. Stormwater discharges to a Zone I or Zone A are prohibited unless essential to the operation of a public water supply.*

The site is not located in a Surface Water Protection Area, a Wellhead Protect Area, an Outstanding Water Resource Area, or a Special Resource Water according to a review of MassGIS Oliver; therefore this standard is not applicable.

*(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 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.*

A redevelopment project is defined as a replacement, rehabilitation, or expansion of existing structures, provided there is no net increase in impervious area. The demolition and reconstruction of the proposed Pier 2 and Wharf 3 will result in a net decrease in impervious area as the proposed footprint of Pier 2 will be reduced from 75' wide to 44' wide. The installation of the concrete floating docks are not considered as additional impervious surface area as stormwater runoff cannot be treated from the floating docks.

The Project is defined as a redevelopment project; therefore needs to meet the above Stormwater Management Standards to the extent practicable.

*(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.*

The Project incorporates sediment and erosion control measures such as drain inlet protection, silt sacks, and the use of a debris boom and turbidity curtain to collect debris from entering waters of the Commonwealth. An Erosion and Sediment Control Plan is included within the Project Plans in **Attachment 4** of this application; therefore this standard is met.

*(9) A long-term operation and maintenance plan shall be developed and implemented to ensure that stormwater management systems function as designed.*

A long-term operation and maintenance plan has been developed for the USCG site within the site-specific Stormwater Pollution Prevention Plan and the Spill Prevention, Control, and Countermeasure Plan included in **Attachment 8** of this application.

*(10) All illicit discharges to the stormwater management system are prohibited.*

The Project does not include illicit discharges to the existing stormwater management system. Potential pollutant sources have been identified in the SWPPP, and stormwater control measures to minimize exposure to pollutants are implemented on site which will be followed during construction; therefore this standard is met.

## **OTHER JURISDICTIONS**

### Massachusetts Department of Environmental Protection 401 Water Quality Certification

The proposed project results in a net increase of impervious surface area of less than 5,000-square feet and does not required a 401 Water Quality Certification (WQC) through the Massachusetts Department of Environmental Protection (MassDEP).

### Massachusetts Office of Coastal Zone Management

Coordination with the Massachusetts Office of Coastal Zone Management (MA CZM) indicated that an individual consistency review would not be required, and the project could be reviewed for consistency through the USACE programmatic General Permit process.

### United States Army Corps of Engineers (USACE)

The project will require authorization from the U.S. Army Corps of Engineers (USACE) pursuant Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act of 1899 for the discharge of fill material into navigable waters of the United States. The replacement of Pier 2 and Wharf 3 including installation of floating docks is eligible for coverage under a Pre-Construction Notification (PCN) Programmatic General Permit (GP) #3 for new, expansions, or reconfigurations/modifications of structures in navigable waters. The installation of a new steel sheet pile wall along the existing bulkhead at Wharf 3 is expected to be less than 1/2-acre in tidal waters and is therefore eligible for coverage under a PCN GP #1 for the repair, rehabilitation, or replacement of any previously authorized currently serviceable structure.

A 35-foot to 40-foot Federal Navigation Project (FNP) is located adjacent to the project site. Coordination with the USACE indicated that because the proposed replacement of Pier 2 and Wharf 3 will not extend beyond the extents of the existing footprint, they have determined that an individual Section 408 Federal Navigation Review is not required because the project does not impact the use of the FNP.

# ATTACHMENT 2 - FIGURES

## Contents:

USGS Location Plan

Aerial Location Plan

FEMA Flood Map

NHESP Estimated Priority Habitat Map

MassGIS Shellfish Growing Area Map

MassGIS Shellfish Suitability Map

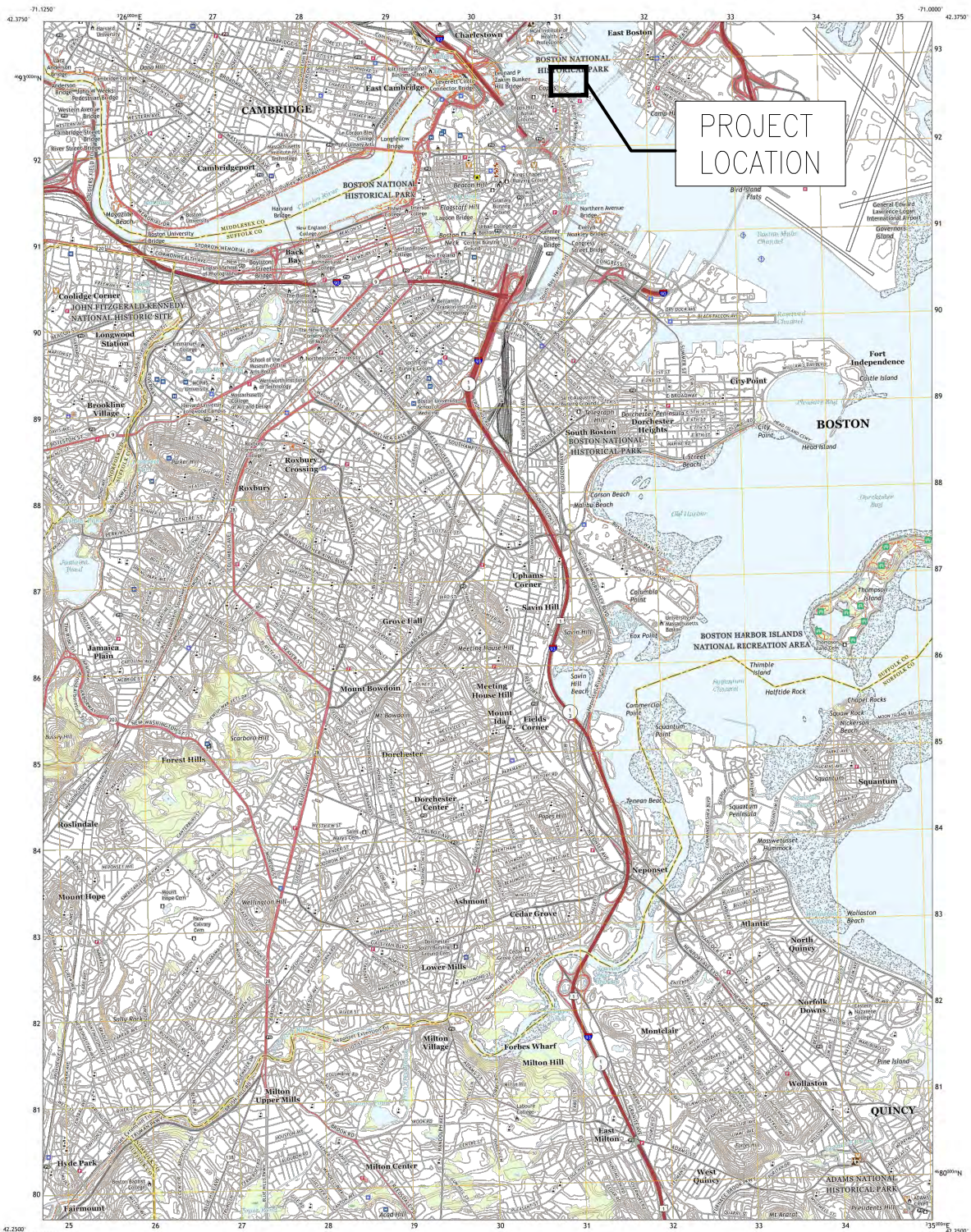
MassGIS Seagrass Map



U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

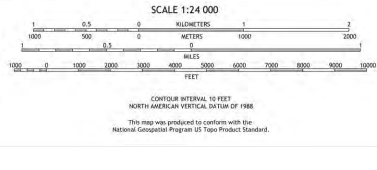


BOSTON SOUTH QUADRANGLE  
MASSACHUSETTS  
7.5-MINUTE SERIES



Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
1:50,000-meter grid (Universal Transverse Mercator, Zone 18T)  
This map is a digital document. Boundaries are generated for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Produced: NAD 7.5-Minute Series, September 2016  
Map: U.S. Census Bureau, 2016  
Roads: U.S. Census Bureau, 2016  
Hydrography: National Hydrography Dataset, 2005-2016  
Contours: National Elevation Dataset, 2002-2012  
Boundaries: Multiple sources; see metadata file 2016-2017  
Wetlands: FWS National Wetlands Inventory 1992-2011



Drawn by: GIN  
checked by: DUG  
approved by: ZJA  
QA/QC by: ZJA  
project no.: 15-13122.00  
drawing no.: MAP FIGURES  
date: JULY 2021

REGULATORY PERMITTING PLANS  
USGS LOCATION PLAN  
FRC HOMEPORING, BASE BOSTON  
UNITED STATES COAST GUARD BASE BOSTON  
BOSTON, MA 2021

**COLLINS ENGINEERS**  
650 Islington Street, Suite 1  
Plymouth, MA 01901  
voice: (603) 334-4742  
fax: (603) 334-4745  
web: collinsengr.com

FIGURE 1  
1 OF 3



PROJECT  
LOCATION

drawn by:	WH
checked by:	DUG
approved by:	DUG
QA/QC by:	ZSU
project no.:	15-13122.00
drawing no.:	MMP FIGURE 02
date:	JULY 2021

REGULATORY PERMITTING PLANS  
AERIAL LOCATION PLAN

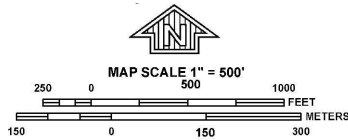
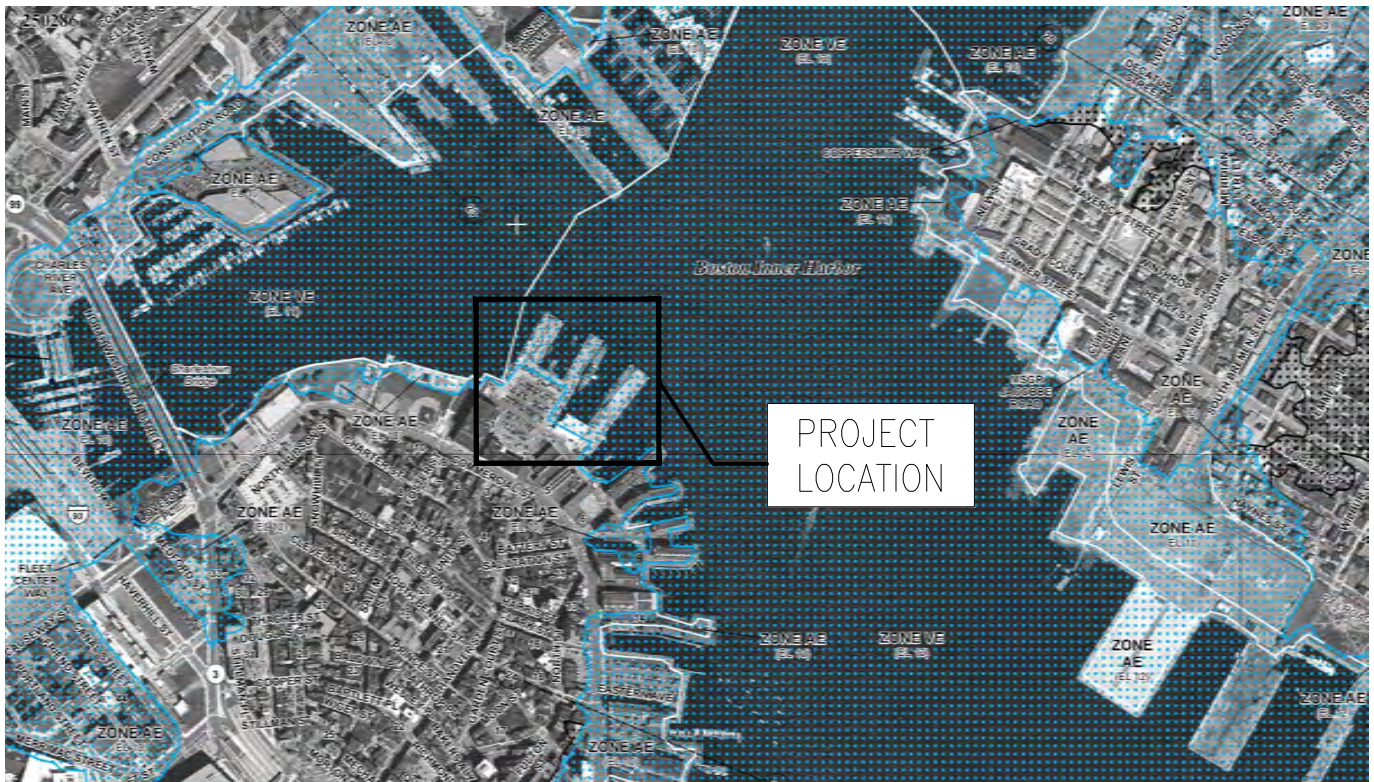
FRC HOMEPORTING, BASE BOSTON  
UNITED STATES COAST GUARD BASE BOSTON

BOSTON, MA

2021

**COLLINS  
ENGINEERS**

650 Islington Street, Suite 1  
Portsmouth, NH 03801  
voice: (603) 334-4742  
fax: (603) 334-4745  
web: collinsengr.com



PANEL 0081J

FIRM

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

PANEL 81 OF 176  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BOSTON, CITY OF	250286	0081	J

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  
25025C0081J

MAP REVISED  
MARCH 16, 2016

Federal Emergency Management Agency

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, N/NGS12  
National Geodetic Survey  
SSMC-3, #9202  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM is derived from Massachusetts Geographic Information System (MassGIS) digital ortho-photography produced at 45 centimeter (2005) and 30 centimeter (2008) resolution. Aerial photography is dated Spring 2005 and Spring 2008.

The **profile baselines** depicted on this map represent the hydraulic modeling baseline that match the flood profiles in the FIS report. As a result of improved topographic data the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data Tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

drawn by: \_\_\_\_\_  
checked by: \_\_\_\_\_  
approved by: \_\_\_\_\_  
QA/QC by: \_\_\_\_\_  
project no.: 15-13122.00  
drawing no.: MAP FIGURES  
date: JULY 2021

REGULATORY PERMITTING PLANS  
FEMA FLOOD MAP

FRC HOMEPORING, BASE BOSTON  
UNITED STATES COAST GUARD BASE BOSTON

BOSTON, MA

2021

COLLINS  
ENGINEERS

650 Islington Street, Suite 1  
Portland, NH 03801  
voice: (603) 334-4742  
fax: (603) 334-4745  
web: [collinsengr.com](http://collinsengr.com)

NHESP Estimated and Priority Habitats



MassDOT Roads Street Names

Major MassDOT Routes

- Interstate Highways
- US Roads
- State

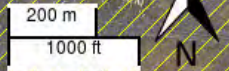
Massachusetts Towns

NHESP Estimated Habitats of Rare

- NHESP Priority Habitats of Rare

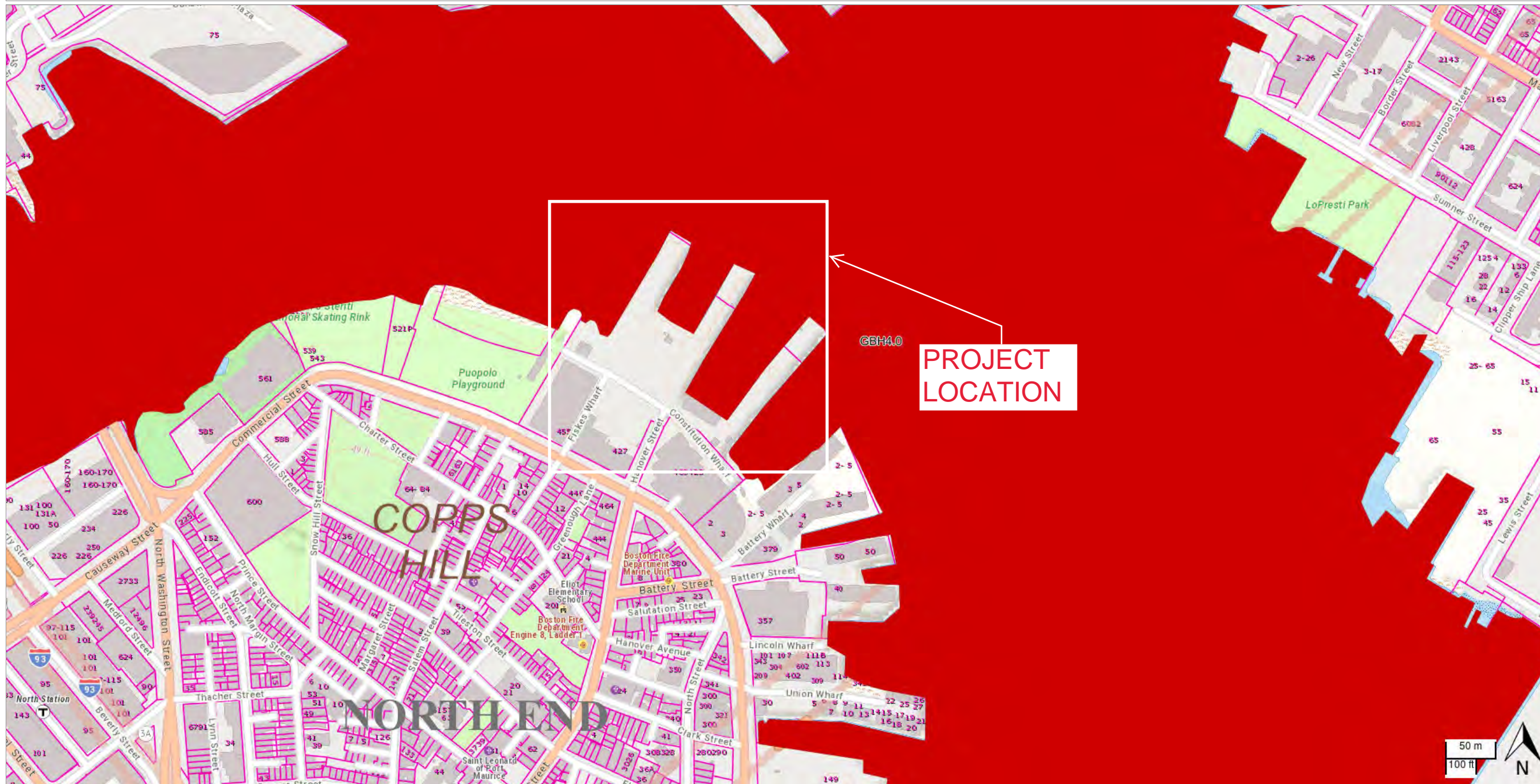
2013-2014 Color Orthos (USGS)

2016 Color Orthos (USGS)





MassDEP Shellfish Growing Areas



Shellfish Growing Areas

- APPROVED
- CONDITIONALLY APPROVED
- RESTRICTED
- CONDITIONALLY RESTRICTED
- PROHIBITED

Tax Parcels for Query

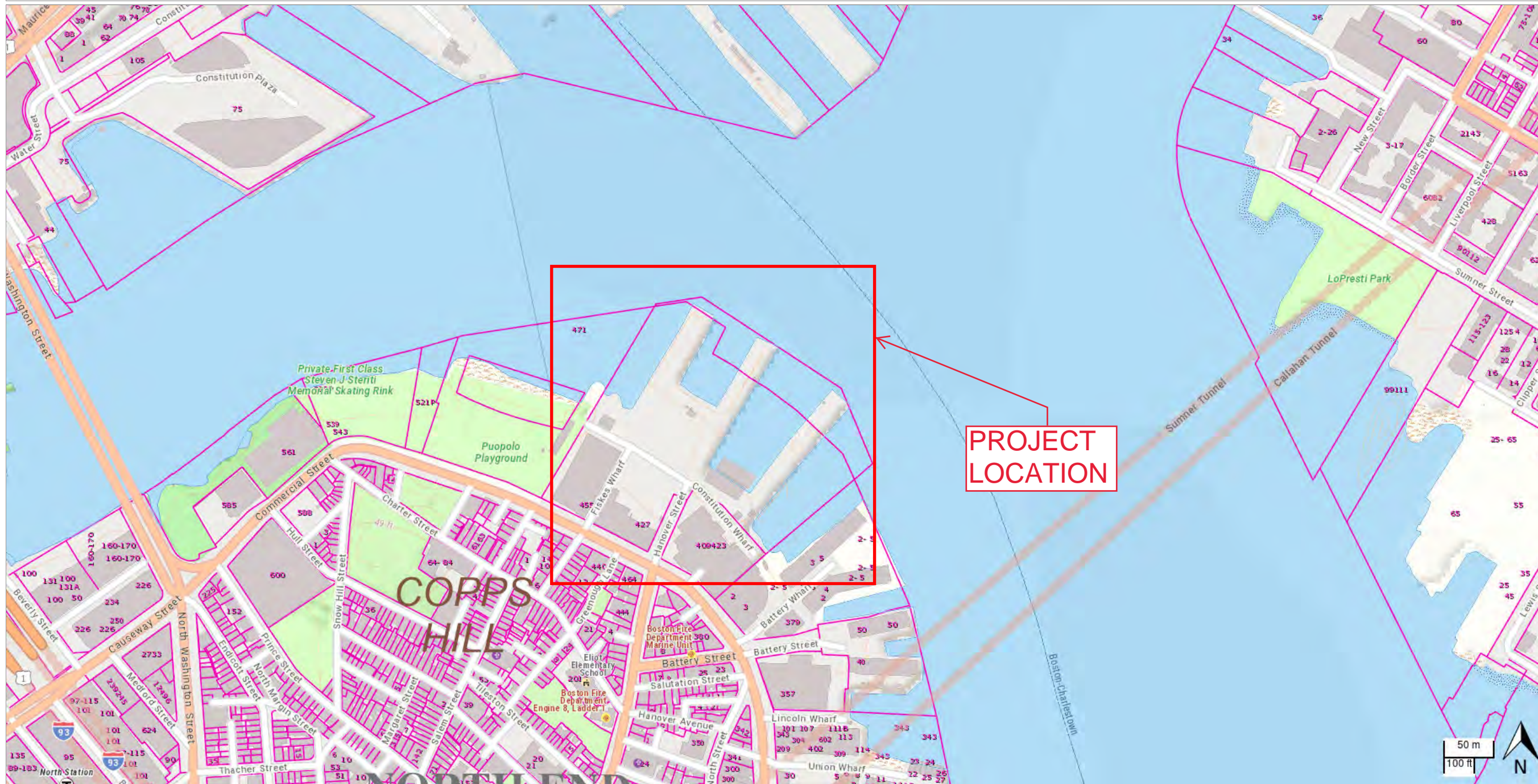
Detailed Features

Tax Parcels for Display

Structures

MassGIS Data/Map Features Basemap

MassDEP Shellfish Suitability



Shellfish Suitability Areas

- AMERICAN OYSTER
- BAY SCALLOP
- BLUE MUSSEL
- EUROPEAN OYSTER
- OCEAN QUAHOG
- QUAHOG
- RAZOR CLAM
- SEA SCALLOP
- SOFT-SHELLED CLAM
- SURF CLAM

Tax Parcels for Query

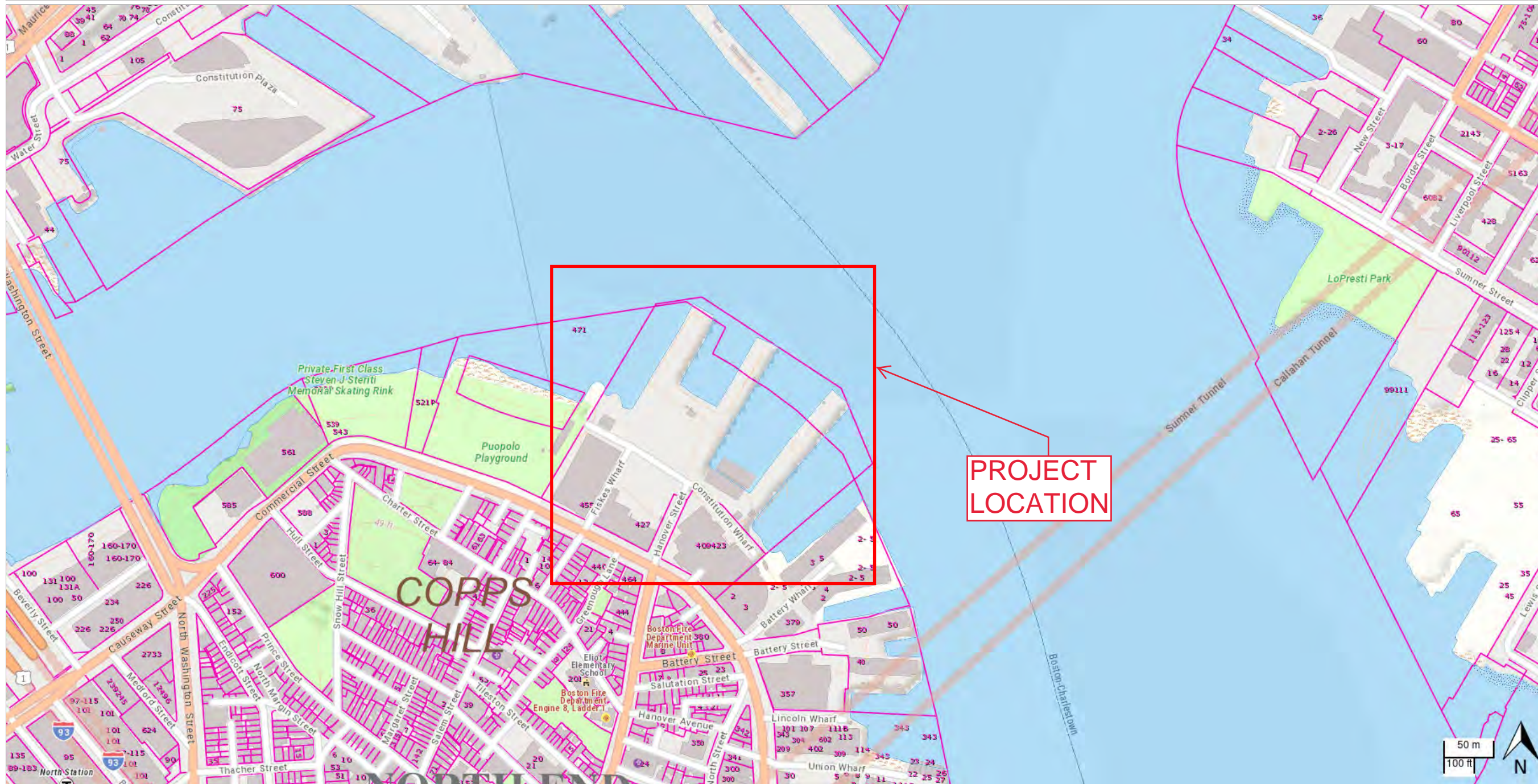
Detailed Features

Tax Parcels for Display

Structures

MassGIS Display Features Basemap

MassDEP Seagrass



- MassDEP Seagrass 1995
  - Eelgrass
  - Ruppia
- MassDEP Seagrass 2001
  - Eelgrass
  - Ruppia
  - Freshwater Species
- MassDEP Seagrass 2006,2007
  - Eelgrass
  - Ruppia
- MassDEP Seagrass 2010-2013
- MassDEP Seagrass 2015-2017
- MassDEP Seagrass 2018-2022
- DEP Seagrass Year Mapped 1995,2001
  - 2001 Only
  - 1995 and 2001
  - 1995 Only
- DEP Seagrass Year Mapped 2006,2007
  -
- Tax Parcels for Query
- Detailed Features
- Tax Parcels for Display
- Structures
- MassGIS Statewide Features Basemap

## **ATTACHMENT 3 - COLOR PHOTOGRAPHS**

Boston , MA



Photo 1 – Overview of Pier 2 looking west.



Photo 2 – Overview of Pier 2 looking east.

Boston , MA



Photo 3 – View of the fender system along the north side of Pier 2 looking south.



Photo 4 – View of the fender system along the north side of Pier 2 looking west.

Boston , MA



Photo 5 – View of the curb and fender system along the south side of Pier 2 looking west toward Wharf 3.



Photo 6 – View of the fender system along the south side of Wharf 3 looking northeast.

Boston , MA

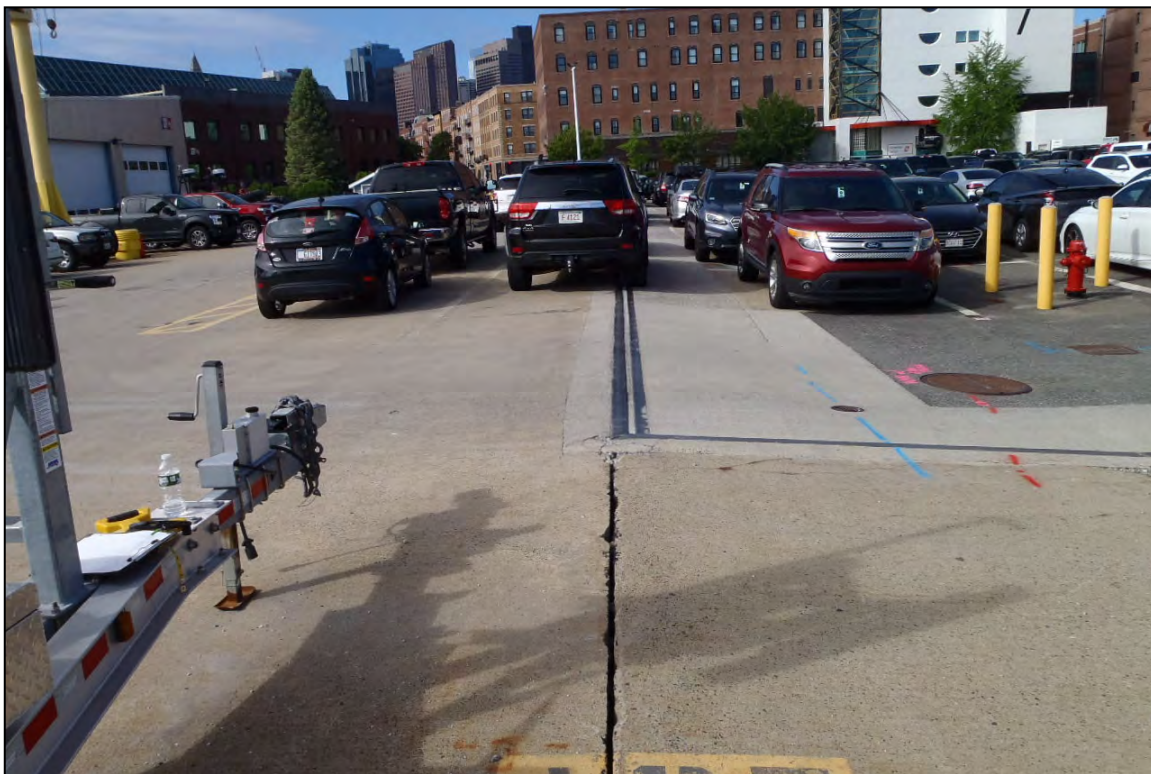


Photo 7 – View of Wharf 3 and the expansion joint on the north side of the structure.



Photo 8 – View of the joint along south side of Wharf 3 looking east.



Boston , MA



Photo 9 – Spalling of the expansion joint at Wharf 3 looking south.



Photo 10 – Spalling around a joint near the western end of the concrete deck of Wharf 3.



Photo 11 – Overview of the bulkhead and riprap slope beneath Wharf 3.



Photo 12 – Typical condition of the bulkhead beneath Wharf 3.

Boston , MA



Photo 13 – View of the bulkhead, riprap slope, and piles beneath Wharf 3 looking east.



Photo 14 – Corrosion at the corner of the bulkhead beneath Wharf 3.

Boston , MA



Photo 15 – Overview of the support piles and riprap slope beneath Wharf 3 looking west.



Photo 16 – View of the support piles and riprap slope beneath Wharf 3 looking northwest.

Boston , MA



Photo 17 – View riprap slope at the western end of Wharf 3 looking north.



Photo 18 – View of the outer support piles and braces beneath Wharf 3 looking west.



Photo 19 – View of the underside of Wharf 3.

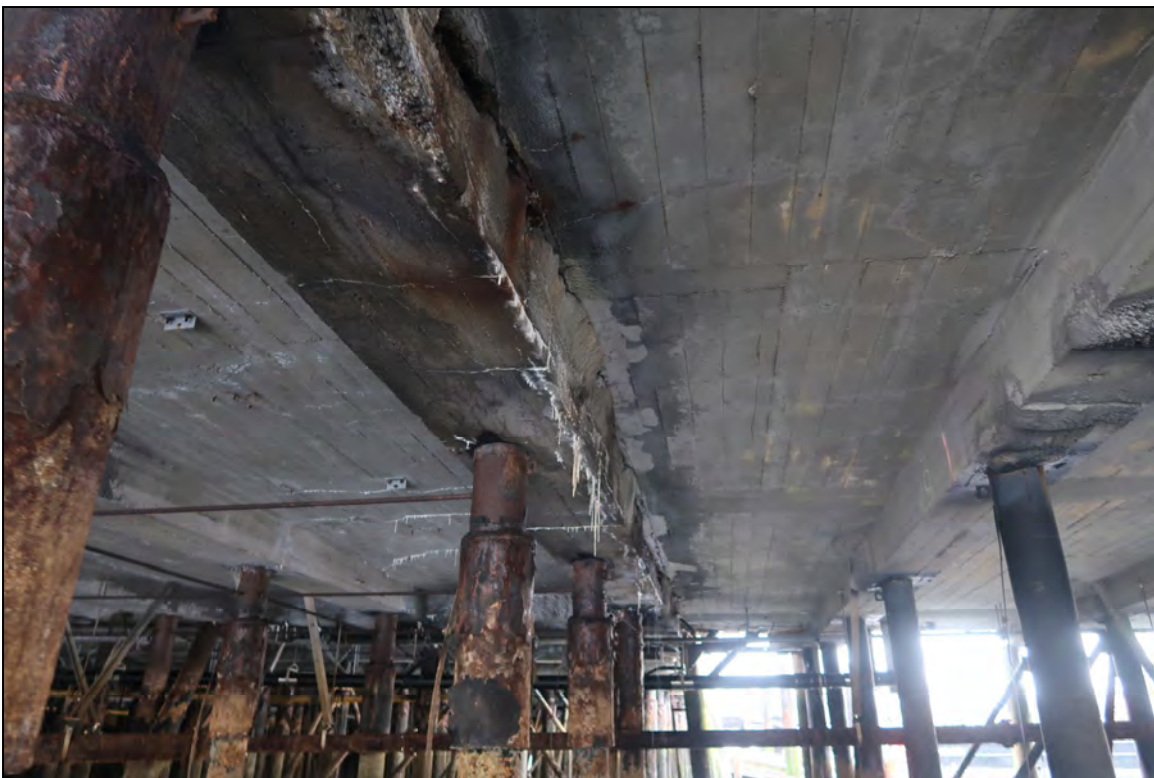


Photo 20 – Spalling and efflorescence along the pile cap beneath Wharf 3.



Photo 21 – Typical view of the support piles beneath Wharf 3/Pier 2 looking east.

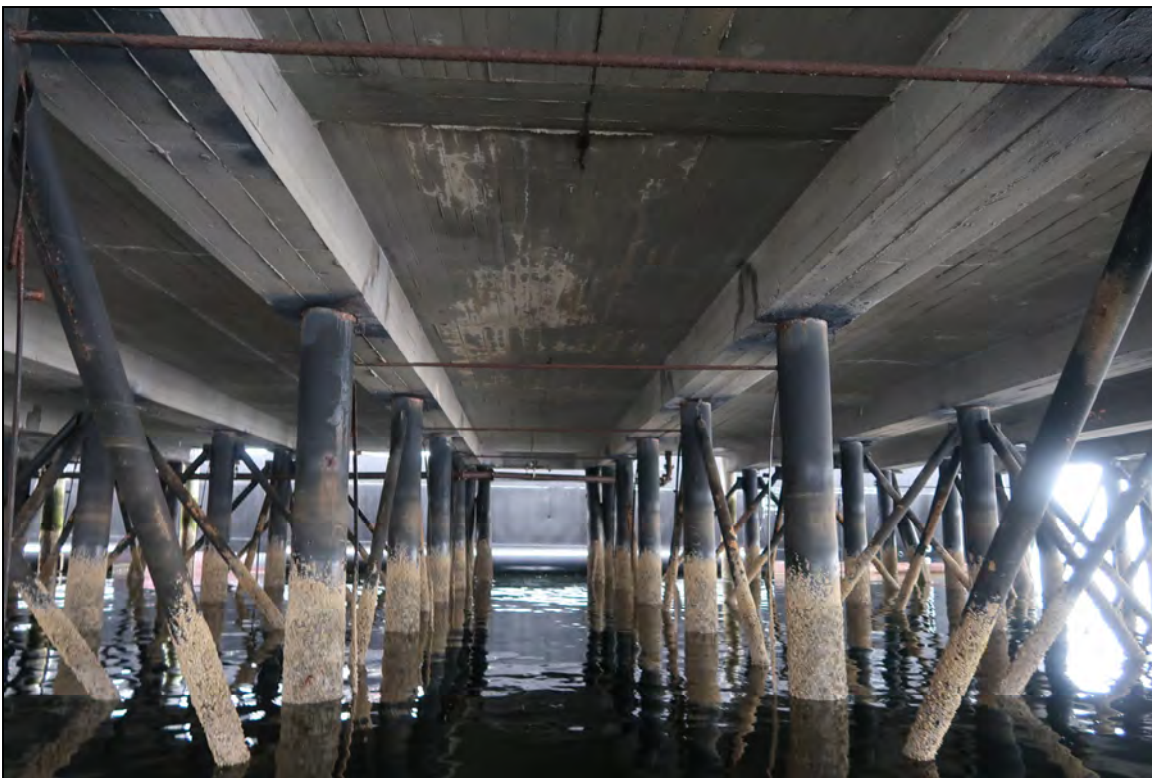


Photo 22 – View of the support Pier 2 support piles looking south.

Boston , MA



Photo 23 – View of the Pier 2 support piles and utilities looking west.

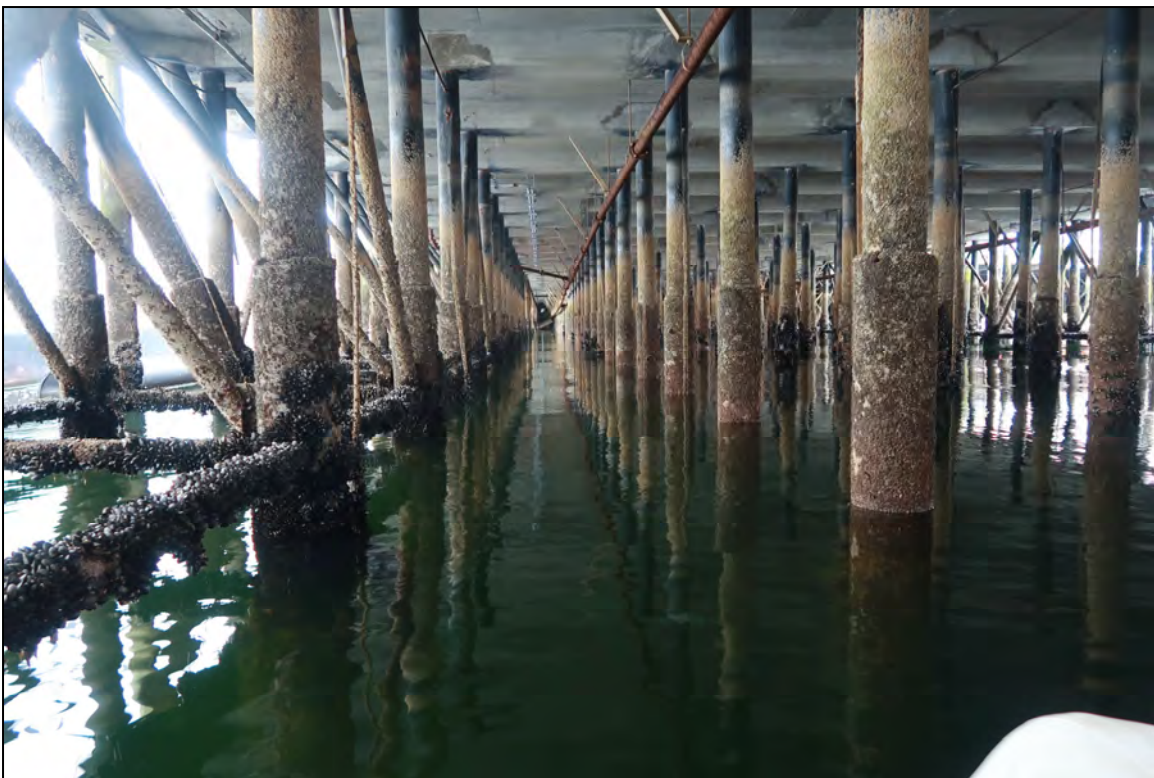


Photo 24 – Typical condition of the Pier 2 support piles.



Boston , MA

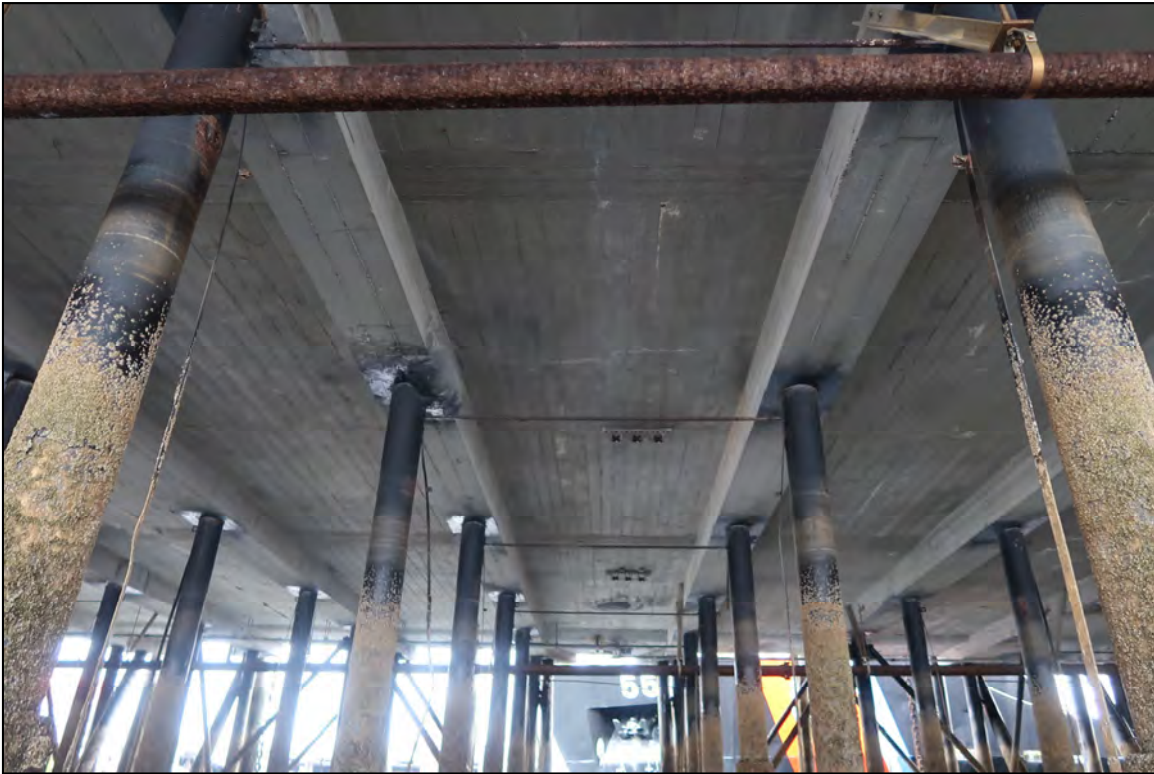


Photo 25 – Typical view of the underside of Pier 2.



Photo 26 – Typical underwater conditions showing typical pile condition and debris.

Boston , MA



Photo 27 – View of the exterior of Building 7.



Photo 28 – View of the exterior of Building 11.

# **ATTACHMENT 4 - PROJECT PLANS (BOUND SEPARATELY)**

## **Contents:**

### **Existing Drawings**

New Wharf Construction, U.S. Coast Guard Base, Constitution Wharf, Boston, MA by United States Coast Guard Engineering, dated February 1, 1945 (2 Pages)

Waterfront Renovations, Integrated Support Command, Boston, MA by Glenn & Sadler of Norfolk, Virginia, dated May 14, 1999 (17 Pages)

### **Proposed Drawings**

Stamped 11x17 drawings to scale in Boston City Base Datum (25 Pages)

### **Resource Area Delineation Methodology:**

A survey was completed by Doucet Survey, LLC in June 2021. Due to the manmade nature of the site, no wetland delineation was completed; therefore, wetland delineation documentation has not been prepared. The jurisdictional wetland areas are limited to the Coastal Bank which was visually delineated by the existing steel sheet pile bulkhead and Land Under Ocean which was delineated by the Mean Low Water (MLW) elevation.



LOG OF WASH BORINGS (FROM RAYMOND PILE CO. 11/1/49)

ELEVATION	BORING NUMBER																										ELEVATION
	1	2	3	4	5A	6	7	8	9	10	11	12	13	14	15	16	17A	18	19	20	21	22	23	24	25	26	
-10																											
-20																											
-30																											
-40																											
-50																											
-60																											
-70																											
-80																											
-90																											
-100																											
-110																											
-120																											
-130																											
-140																											

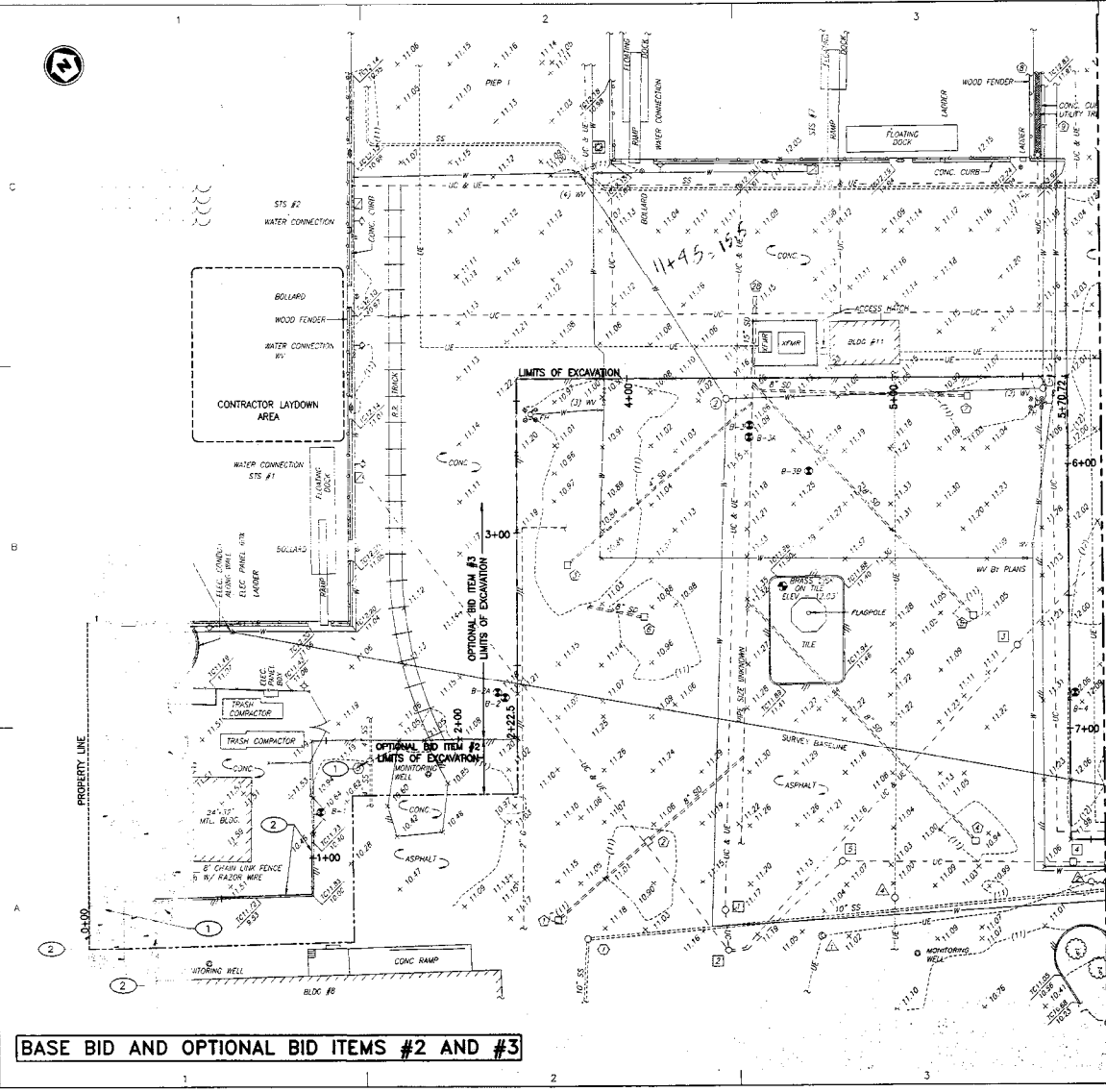
NOTE: FOUND FOLLOWING DISTRIBUTION OF SOIL INDICATE NUMBER OF BLOWES REQUIRED TO DRIVE SAMPLE PIPE ONE FOOT, USING 140 POUND WEIGHT FALLING 30 INCHES, VERTICAL SCALE 1:1000'

ELEVATION	TEST PILE DATA (FROM RAYMOND PILE CO. 11/1/49)									
	PILE #1	PILE #2	PILE #3	PILE #4	PILE #5	PILE #6	PILE #7	PILE #8	PILE #9	PILE #10
-10										
-20										
-30										
-40										
-50										
-60										
-70										
-80										
-90										
-100										
-110										
-120										
-130										
-140										

**GENERAL NOTES**

1. ALL PILES OR ELEMENTS IN SLABS, INSERTS IN CONCRETE, ETC. USE MECHANICAL DRIVING.
2. ALL CONCRETE SHALL BE 3000 PSI UNLESS OTHERWISE NOTED.
3. REINFORCING AND CURB FOR WALKWAYS SHALL BE 3000 PSI CONCRETE.
4. FRAMED SLABS AND SEAMS FOR OPEN DOCK CONSTRUCTION SHALL BE 3750' CONCRETE.
5. ALL BEARING PILES (INCLUDING TYPIC AND ANCHOR PILES) SHALL BE DRIVEN TO THE BEARING CAPACITY NOTED ON THE DRAWINGS.
6. FOR EXAMINATION PURPOSES ONLY, ASSIGNED PILE LENGTHS SHALL BE BASED UPON BLOWES TO PENETRATION AS FOLLOWS:
  - a. 40 TON PILES (100 AND 125 TONS) TO 1000 BLOWES
  - b. 30 TON PILES (75 AND 100 TONS) TO 1500 BLOWES
  - c. 20 TON PILES (50 AND 75 TONS) TO 2000 BLOWES
  - d. 10 TON PILES (25 AND 50 TONS) TO 3000 BLOWES
7. PILE BEARING CAPACITY SHALL BE INTERPRETED BY THE FOLLOWING FORMULAS:
  - a.  $Q = W \times C$  FOR SINGLE ACTING STEAM HAMMER
  - b.  $Q = W \times C \times D$  FOR SINGLE ACTING OCEAN HAMMER
  - c. IN WHICH:  $Q$  IS BEARING CAPACITY OF PILE IN TONS
  - d.  $W$  IS WEIGHT OF PILE IN FEET
  - e.  $C$  IS CORRECTED PENETRATION PER BLOW IN INCHES FOR LAST 3 BLOW OF DRIVING
  - f.  $D$  IS CORRECTED DEPTH OF BURNING IN INCHES
8. THE MAXIMUM ALLOWABLE EXCESSIVE CLEAN PRESSURE IS FIFTY PER SQUARE INCH. EXCESSIVE CLEAN PRESSURE IN EXCESS OF FIFTY PER SQUARE INCH SHALL BE PLACED WITHOUT RECORDING. FOUNDATION OF BATH HOUSE SHALL BE PLACED WITHOUT RECORDING.
9. FOUNDATION OF BATH HOUSE SHALL BE PLACED WITHOUT RECORDING.
10. FOUNDATION OF BATH HOUSE SHALL BE PLACED WITHOUT RECORDING.

DATE	11/1/49	PROJECT	UNITED STATES COAST GUARD ENGINEERING
DRAWN BY	J. J. HARRIS	CHECKED BY	J. J. HARRIS
DESIGNED BY	J. J. HARRIS	APPROVED BY	J. J. HARRIS
SCALE	AS SHOWN	DATE	11/1/49
PROJECT NO.	102190	BY	J. J. HARRIS



**BASE BID AND OPTIONAL BID ITEMS #2 AND #3**

**NOTES:**

1. SEE SHEET C.1 FOR BULKHEAD PENETRATION LOG, SURVEY NOTES AND LEGEND.
2. CONTRACTOR ACCESS TO TOPSIDE PIER AND WHARF AREA WILL BE LIMITED. ALL CONTRACTOR LAY DOWN SPACE SHALL BE LIMITED TO A CONTRACTOR FURNISHED BARGE MOORED AT LOCATION APPROVED BY THE CONTRACTING OFFICER, ON THE WEST SIDE OF PIER 1.
3. CONTRACTOR SHALL MAINTAIN CONTINUOUS TRUCK LOADING DOCK ACCESS TO BUILDING #8 BY PROVIDING TEMPORARY RAMP AS REQUIRED.

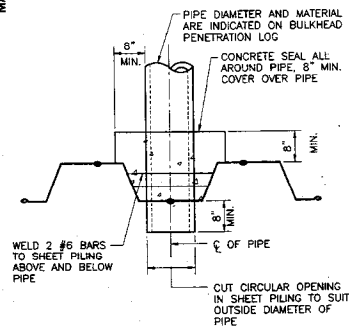
**KEY NOTES:**

1. REMOVE CONCRETE CATCH BASIN/MANHOLE AND PIPE AT STATION 0+24 AND CAP 10" AND 12" STORM DRAIN AT STATION 0+28 DURING EXCAVATION AND CONSTRUCTION. REINSTALL CATCH BASIN AND ALL PIPES AT COMPLETION OF CONSTRUCTION. INSTALLATION AND CONNECTIONS SHALL BE APPROVED BY THE CONTRACTING OFFICERS REPRESENTATIVE PRIOR TO BACKFILLING. CONTRACTOR SHALL ENSURE THAT CAPPED PIPES ARE PROPERLY SUPPORTED DURING EXCAVATION AND CONSTRUCTION.
2. REMOVE EXISTING FENCING AS REQUIRED TO COMPLETE EXCAVATION AND CONSTRUCTION. A TEMPORARY SECURITY FENCE SHALL BE MAINTAINED AT ALL TIMES WHEN EXISTING FENCING IS REMOVED. UPON COMPLETION OF CONSTRUCTION, THE EXISTING FENCE SHALL BE REINSTALLED TO ITS ORIGINAL LOCATION.

**GENERAL NOTES:**

1. PRIOR TO SHEET PILE DRIVING, EXISTING PIPING AND CONDUITS SHALL BE LOCATED AND EXCAVATED. CONTRACTOR SHALL DISCONTINUE SERVICE, DISCONNECT, AND CAP EACH PIPE OR CONDUIT. AFTER SHEET PILE INSTALLATION HAS BEEN COMPLETED, PIPING SHALL BE RECONNECTED IN ACCORDANCE WITH THE REFERENCED DETAILS, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL COMPACT IN 12" LIFTS ANY DISTURBED AREA TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING UTILITY SERVICE OUTAGES WITH THE CONTRACTING OFFICERS REPRESENTATIVE AS WELL AS PROVIDING ANY REQUIRED TEMPORARY UTILITY SERVICE.

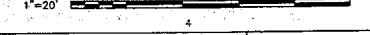
MATCH LINE - SEE SHEET C-3



**BULKHEAD PENETRATION DETAIL**

NOT TO SCALE

**GRAPHIC SCALE(S):**



**GLENN & SADLER**  
 Tone Point Center  
 150 Bevan Street, Suite 1000  
 Norfolk, Virginia USA  
 23510-1659  
 ENGINEERS & ARCHITECTS  
 Phone: 757-627-1112  
 Fax: 757-627-1118

GSJ, INC.  
 GEOTECHNICAL SPECIALTIES  
 NORFOLK, VA  
 PACE COLLABORATIVE  
 MECHANICAL, ELECTRICAL, ENGINEERING  
 VIRGINIA BEACH, VA



**U. S. COAST GUARD**  
 FACILITIES DESIGN &  
 CONSTRUCTION CENTER  
 ATLANTIC



USCG, FOCC LANT  
 5505 ROBIN HOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

ISSUE	MARK	DATE	DESCRIPTION

A/E PROJECT NO: 9723004
CAD FILE NAME: C-2.DWG
DESIGNED BY: JE
DRAWN BY: TSP
EDITED BY: TSP
CHECKED BY: GDS

SCALE: AS NOTED PLOT SCALE: 1=1  
 SHEET TITLE

**WATERFRONT RENOVATIONS  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.**

CIVIL  
**PARTIAL SITE PLAN**

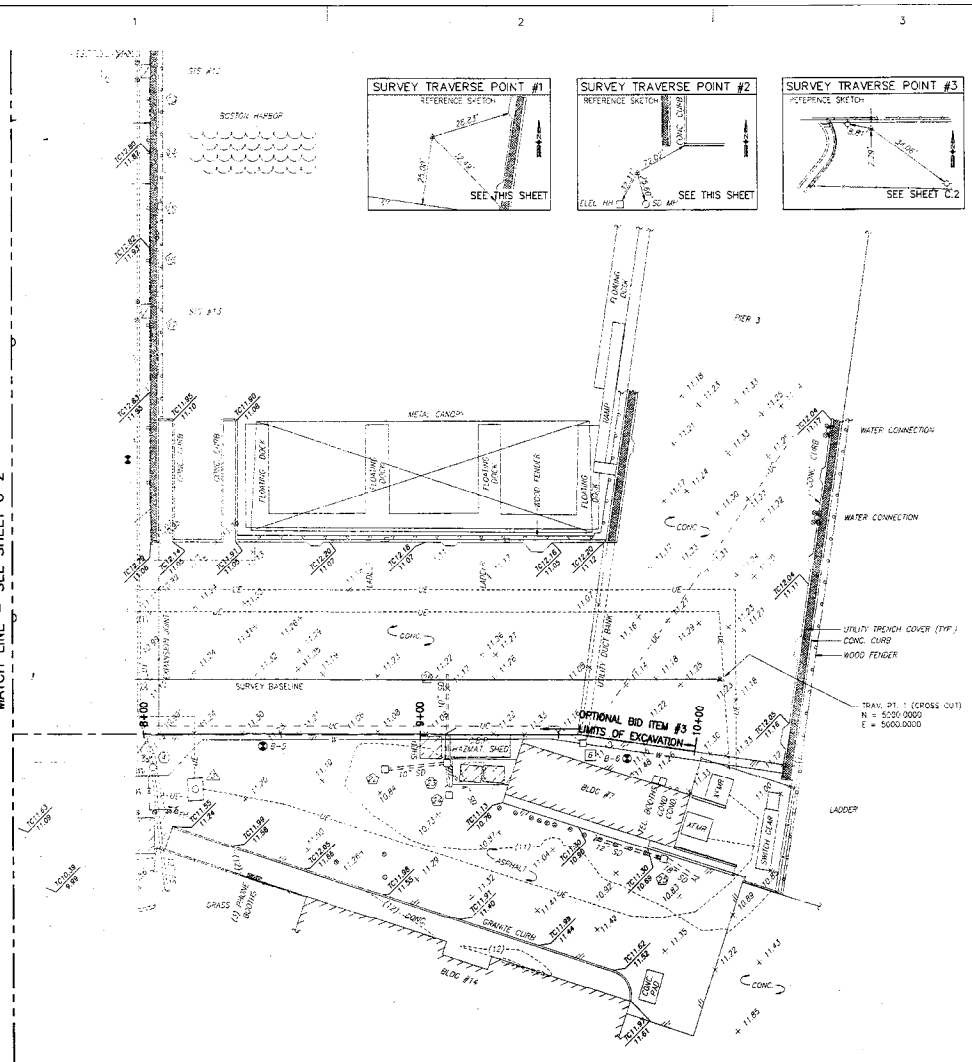
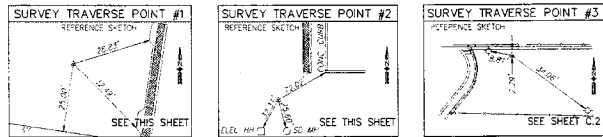
REVIEWED BY:	REVIEWED BY:
PROJECT ENG: <i>[Signature]</i>	PROJECT MANAGER: <i>[Signature]</i>
DATE: 05/14/99	DATE:

PROJECT NUMBER: 32-L6004	DRAWING NUMBER: A32L6004C02
DISCIPLINE/SHI NO: C.2	SHEET 4 OF 33

**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**

MATCH LINE - SEE SHEET C-2

BASE BID AND OPTIONAL BID ITEM #3



**NOTES:**

- SEE SHEET C.1 FOR BULKHEAD PENETRATION LOG, SURVEY NOTES AND LEGEND.
- CONTRACTOR ACCESS TO TOPSIDE PIER AND WHARF AREA WILL BE LIMITED. ALL CONTRACTOR LAY DOWN SPACE SHALL BE LIMITED TO A CONTRACTOR FURNISHED BARGE MOORED AT A LOCATION APPROVED BY THE CONTRACTING OFFICER ON THE WEST SIDE OF PIER 1.

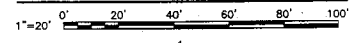
**ALLOWABLE LOADING CONDITION**

USCG ISC BOSTON	FUEL TRUCK	HS20-44	UNIFORM LOAD	MOBILE CRANE
PIER 1 OUTER 25 FT (10' SLAB)	5,000 GAL SLAB CAPACITY GOVERNS	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	675 PSF PILE CAPACITY GOVERNS	NOT ALLOWED SLAB CAPACITY GOVERNS
PIER 1 INTERIOR SECTION (8' SLAB)	NOT ALLOWED SLAB CAPACITY GOVERNS	NOT ALLOWED SLAB CAPACITY GOVERNS	685 PSF SHEAR CAPACITY OF PILE GOVERNS	NOT ALLOWED SLAB CAPACITY GOVERNS
WHARF 1&2	5,000 GAL SLAB CAPACITY GOVERNS	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	625 PSF SHEAR CAPACITY OF PILE GOVERNS	NOT ALLOWED SLAB CAPACITY GOVERNS
PIER 2 OUTER 25 FT (10' SLAB + OVERLAY)	10,000 GAL SLAB CAPACITY GOVERNS PARK MULTIPLE TRUCKS 5 FT APART	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	450 PSF DESIGN CAPACITY 525 PSF ACTUAL ALLOWABLE	20 TON MAX LIFT ON OUTRIGGERS PLACED OVER PILES NO LIFTS WITHOUT OUTRIGGERS TRANSIT ONLY W/ EMPTY CRANE DO NOT PARK CRANE ON PIER
PIER 2 INTERIOR SECTION (8' SLAB + OVERLAY)	10,000 GAL SLAB CAPACITY GOVERNS PARK MULTIPLE TRUCKS 5 FT APART	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	450 PSF DESIGN CAPACITY 543 PSF ACTUAL ALLOWABLE	20 TON MAX LIFT ON OUTRIGGERS PLACED OVER PILES NO LIFTS WITHOUT OUTRIGGERS TRANSIT ONLY W/ EMPTY CRANE DO NOT PARK CRANE ON PIER
WHARF 3	10,000 GAL SLAB CAPACITY GOVERNS PARK MULTIPLE TRUCKS 5 FT APART	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	450 PSF DESIGN CAPACITY 550 PSF ACTUAL ALLOWABLE	20 TON MAX LIFT ON OUTRIGGERS PLACED OVER PILES NO LIFTS WITHOUT OUTRIGGERS TRANSIT ONLY W/ EMPTY CRANE DO NOT PARK CRANE ON PIER
PIER 3	10,000 GAL SLAB CAPACITY GOVERNS PARK MULTIPLE TRUCKS 5 FT APART	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	416 PSF PILE CAPACITY GOVERNS	20 TON MAX LIFT ON OUTRIGGERS PLACED OVER PILES NO LIFTS WITHOUT OUTRIGGERS TRANSIT ONLY W/ EMPTY CRANE DO NOT PARK CRANE ON PIER
WHARF 4	10,000 GAL SLAB CAPACITY GOVERNS PARK MULTIPLE TRUCKS 5 FT APART	HS20-44 72,000 LBS SLAB CAPACITY GOVERNS	416 PSF PILE CAPACITY GOVERNS	20 TON MAX LIFT ON OUTRIGGERS PLACED OVER PILES NO LIFTS WITHOUT OUTRIGGERS TRANSIT ONLY W/ EMPTY CRANE DO NOT PARK CRANE ON PIER

**LOADING CONDITION NOTES:**

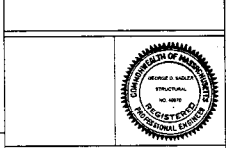
- ALLOWABLE LOADING CONDITION STRUCTURAL ANALYSIS REPORT WAS PERFORMED BY PERFECTA BAFFER, P.E., SOUTH WEYMOUTH, MA, IN OCTOBER 1997.
- THE CONTRACTOR SHALL OBSERVE ALL OF THE LOADING RESTRICTIONS.

**GRAPHIC SCALE(S):**



**GLENN & SADLER**  
 Town Point Center  
 150 Booth Street, Suite 1000  
 Norfolk, Virginia 23510  
 2510-1639  
 ENGINEERS & ARCHITECTS  
 Phone 757-627-1112  
 Fax 757-627-1113

**GSI, INC.**  
 GEOTECHNICAL SPECIALISTS  
 NORFOLK, VA  
**PACE COLLABORATIVE**  
 MECHANICAL, ELECTRICAL, ENGINEERING  
 VIRGINIA BEACH, VA



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 ATLANTIC  
  
 USCG, FDCC LANT  
 5505 ROBIN WOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

ISSUE	MARK	DATE	DESCRIPTION

A/E PROJECT NO. 9723004  
 C&G FILE NAME: C-3.DWG  
 DESIGNED BY: JS  
 DRAWN BY: TSP  
 CHECKED BY: GOS

SCALE: AS NOTED PLOT SCALE: 1:1

**WATERFRONT RENOVATIONS**  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.

CIVIL  
**PARTIAL SITE PLAN**

REVIEWED BY: [Signature] REVIEWED BY: [Signature]  
 ON SUP TEAM LDR

PROJECT ENG PROJECT MANAGER ON SUP TEAM LDR  
 [Signature] 05/14/99  
 TECHNICAL MANAGER DATE

PROJECT NUMBER DRAWING NUMBER  
 32-L6004 A32L6004C03

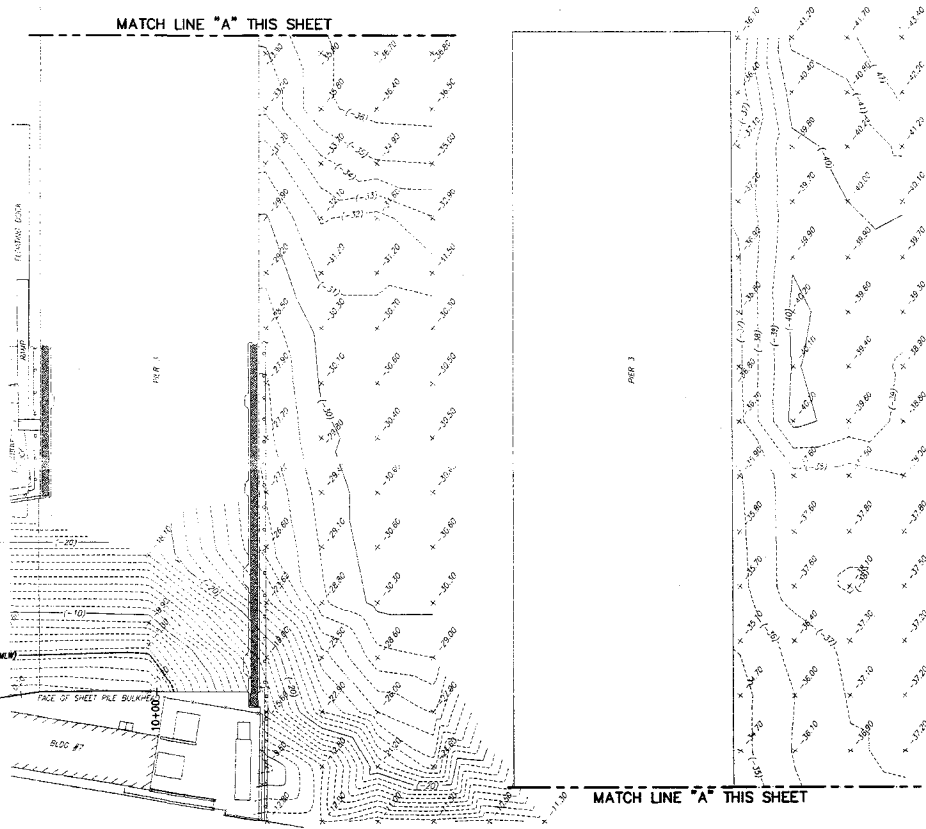
DISCIPLINE/SHT NO SHEET 5 OF 33  
 C.3

**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**



MATCH LINE "A" THIS SHEET

MATCH LINE - SEE SHEET C-4



MATCH LINE "A" THIS SHEET

**NOTES:**

1. SEE SHEET C.1 FOR BULKHEAD PENETRATION LOG, SURVEY NOTES AND LEGEND.
2. CONTRACTOR ACCESS TO TOPSIDE PIER AND WHARF AREA WILL BE LIMITED. ALL CONTRACTOR LAY DOWN SPACE SHALL BE LIMITED TO A CONTRACTOR FURNISHED BARGE MOORED AT A LOCATION APPROVED BY THE CONTRACTING OFFICER ON THE WEST SIDE OF PIER 1.



**GLENN & SADLER**  
 Town Point Center  
 150 Broad Street, Suite 1000  
 Norfolk, Virginia, USA  
 23510-1626

**ENGINEERS & ARCHITECTS**  
 Phone 757-627-1110  
 Fax 757-627-1113

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ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	972904
CAD FILE NAME:	C-5.DWG
DESIGNED BY:	JG
DRAWN BY:	JMK
CHECKED BY:	GOS

SCALE AS NOTED PLOT SCALE 1"=1'

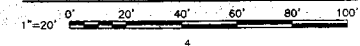
SHEET TITLE  
**WATERFRONT RENOVATIONS  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.**

CIVIL  
**PARTIAL HYDROGRAPHIC SURVEY**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG:	PROJECT MANAGER:	ENR SUP TEAM LDR:
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DATE:	DATE:	DATE:
05/14/99	05/14/99	05/14/99

PROJECT NUMBER:	DRAWING NUMBER:
32-L6004	A32L6004C05
DISCIPLINE/SHEET NO:	SHEET
C 5	7 OF 33

**GRAPHIC SCALE(S):**

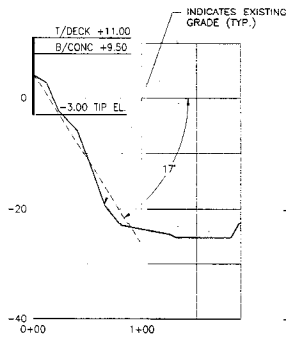


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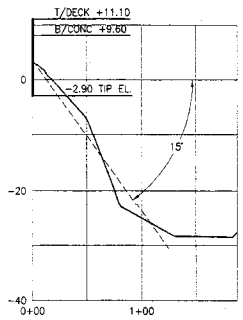
**BASE BID**





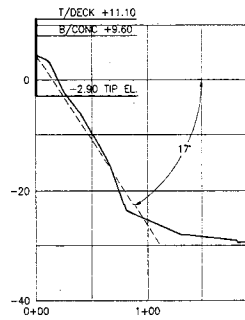
STA 4+00

OPTIONAL BID ITEMS #1 AND #3



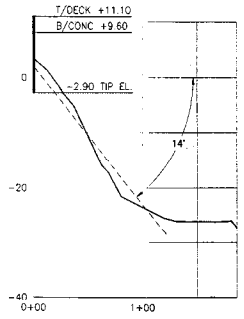
STA 4+50

OPTIONAL BID ITEMS #1 AND #3



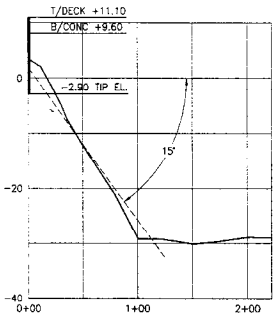
STA 5+00

OPTIONAL BID ITEMS #1 AND #3



STA 5+50

OPTIONAL BID ITEMS #1 AND #3



STA 5+70.72

OPTIONAL BID ITEMS #1 AND #3

**LEGEND:**

T/DECK TOP OF DECK  
B/CONC BOTTOM OF CONCRETE

**REPAIR NOTES:**

1. REFER TO SHEET NUMBER S.16 AND/OR S.17 FOR EXTENT OF APPLICATION OF MARINE COATING ON EXTERIOR FACE OF EXISTING BULKHEAD.



**GLENN & SADLER**  
Town Point Center  
150 Broad Street - Suite 1000  
Norfolk, Virginia, USA  
23510-1838

ENGINEERS & ARCHITECTS  
Phone 757-627-1110  
Fax 757-627-1112

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NORFOLK, VA 23513-2431

MARK	DATE	DESCRIPTION

SCALE: AS NOTED (PLOT SCALE: 1/4")  
SHEET TITLE

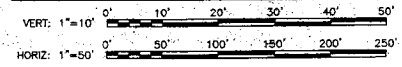
WATERFRONT RENOVATIONS  
INTEGRATED SUPPORT COMMAND  
BOSTON (ISC BOSTON) MASS.

CIVIL  
PROFILES

REVIEWED BY: [Signature] REVIEWED BY: [Signature]  
PROJECT ENG. PROJECT MANAGER ENV. SUP. TEAM LEAD  
TECHNICAL MANAGER DATE: 05/14/99

PROJECT NUMBER: 32-L6004 DRAWING NUMBER: A32L6004C07  
DISCIPLINE NO. SHEET 9 OF 33

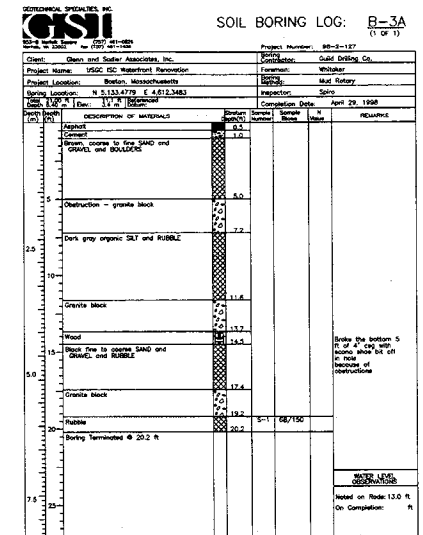
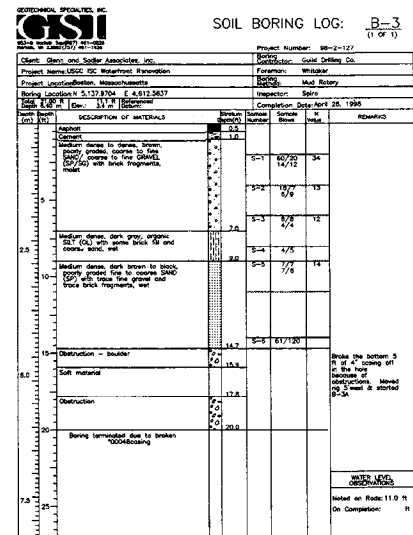
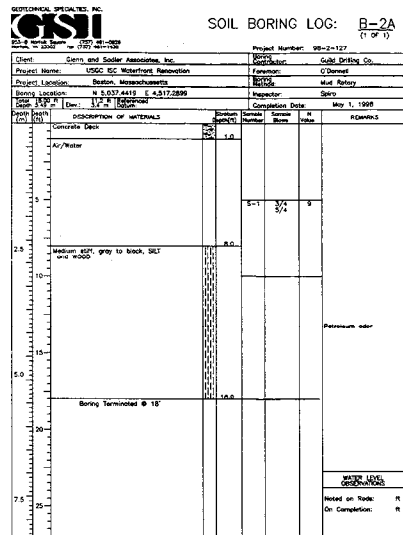
**GRAPHIC SCALE(S):**



THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE

P:\972000\972000A\Civil







SOIL BORING LOG: B-4 (1 OF 3)

Client: Glenn and Sadler Associates, Inc.		Project Number: 99-2-117	
Project Name: USCG ISC Waterfront Renovation		Inspector: Gail Dilling Co.	
Project Location: Boston, Massachusetts		Foreman: O'Donnell	
Boring Location: N 4302.484' E 4738.2347'		Inspector: Mud Rotary	
Bore Hole ID: 15.7" (15.7")		Completion Date: April 28, 1998	

Depth (ft)	Description of Materials	Sample No.	Sample Date	Remarks
0.0	Surface level			
1.7				
8.0	Very weak, soft brown and tan silty clay with fine to coarse sand (SC) and fine to medium gravel, wet	S-1	10/21/97	1
8.2		S-2	5/2/97	33
12.0	Very soft, gray, sandy clay (CL) wet	S-3	1/1/97	2
16.0	Loose/Medium soft, olive gray silty clay with fine to coarse sand (SC) and fragments of medium gray clay (SC/CL) moist	S-4	5/2/97	6
17.0		S-5	3/4/97	7
18.0	Hard, olive gray, sandy clay (CL) and wood fragments, moist	S-6	8/2/97	108
23.0	Medium dense, dark gray, silty, sandy, fine sand (SC) with wood fragments, fine sand fragments and medium gravel, moist	S-7	8/12/97	27
26.4				



SOIL BORING LOG: B-5 (1 OF 2)

Client: Glenn and Sadler Associates, Inc.		Project Number: 99-2-117	
Project Name: USCG ISC Waterfront Renovation		Inspector: Gail Dilling Co.	
Project Location: Boston, Massachusetts		Foreman: Whelan	
Boring Location: N 4370.963' E 4834.4413'		Inspector: Mud Rotary	
Bore Hole ID: 15.7" (15.7")		Completion Date: April 27, 1998	

Depth (ft)	Description of Materials	Sample No.	Sample Date	Remarks
1.0				
5.1	Medium light brown, silty, medium to coarse sand (SM) with fine to coarse gravel, moist	S-1	11/15/97	23
5.2		S-2	22/21	
8.0	Medium dense to very dense @ 8.2' light brown, fine to coarse sand (SC) with fine to coarse gravel, wet	S-3	11/19/97	28
8.2		S-4	10/17	
13.4	Obstruction - boulder block	S-5	10/23/98	113
12.4				
15.0	Very loose to loose, olive, tan, fine to coarse sand (SM) with fine sand, and fragments, wet	S-6	5/8	3
16.5				
18.5	Medium stiff, olive gray, sandy clay (CL) wet	S-7	3/2	8
22.4				
25.0	Medium dense, olive gray, silty, sandy, moist and gravel, moist	S-8	7/8	18
26.4				



SOIL BORING LOG: B-4 (2 OF 3)

Client: Glenn and Sadler Associates, Inc.		Project Number: 99-2-117	
Project Name: USCG ISC Waterfront Renovation		Inspector: Gail Dilling Co.	
Project Location: Boston, Massachusetts		Foreman: Mud Rotary	
Boring Location: N 4302.484' E 4738.2347'		Inspector: Spay	
Bore Hole ID: 15.7" (15.7")		Completion Date: April 28, 1998	

Depth (ft)	Description of Materials	Sample No.	Sample Date	Remarks
5.4	Medium dense, medium gray, silty, sandy, fine sand (SC) with fine to coarse gravel, moist	S-4	12/11/97	28
5.8		S-5	12/11/97	28
5.9		S-6	12/21	
5.10		S-7	12/21	83
41.0				
5.11		S-8	12/11	20
5.12		S-9	12/25	54
5.13		S-10	12/28	74



SOIL BORING LOG: B-5 (2 OF 2)

Client: Glenn and Sadler Associates, Inc.		Project Number: 99-2-117	
Project Name: USCG ISC Waterfront Renovation		Inspector: Gail Dilling Co.	
Project Location: Boston, Massachusetts		Foreman: Whelan	
Boring Location: N 4370.963' E 4834.4413'		Inspector: Mud Rotary	
Bore Hole ID: 15.7" (15.7")		Completion Date: April 27, 1998	

Depth (ft)	Description of Materials	Sample No.	Sample Date	Remarks
5.8	Medium dense, olive gray, silty, fine sand (SC) wet	S-9	8/11/97	21
5.10		S-10	9/2/97	11
5.11		S-11	8/12	18
41.0				



SOIL BORING LOG: B-4 (3 OF 3)

Client: Glenn and Sadler Associates, Inc.		Project Number: 99-2-117	
Project Name: USCG ISC Waterfront Renovation		Inspector: Gail Dilling Co.	
Project Location: Boston, Massachusetts		Foreman: O'Donnell	
Boring Location: N 4302.484' E 4738.2347'		Inspector: Mud Rotary	
Bore Hole ID: 15.7" (15.7")		Completion Date: April 28, 1998	

Depth (ft)	Description of Materials	Sample No.	Sample Date	Remarks
17.5				
17.4		S-14	12/11	24
17.4		S-15	12/14	
61.0				
61.0		S-16	12/18	60
61.0		S-17	12/18	
61.0		S-18	12/20	120
61.0				

SOIL NOTE:

1. SEE SHEET C.8 FOR SOIL NOTES.

BASE BID  
OPTIONAL BID ITEM #1  
OPTIONAL BID ITEM #2  
OPTIONAL BID ITEM #3



**GLENN & SADLER**  
 Town Point Center  
 150 Broad Street, Suite 1000  
 Norfolk, Virginia USA  
 23510-1638  
 ENGINEERS & ARCHITECTS  
 Phone 757-861-1118  
 Fax 757-861-1115



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ISSUE

MARK	DATE	DESCRIPTION

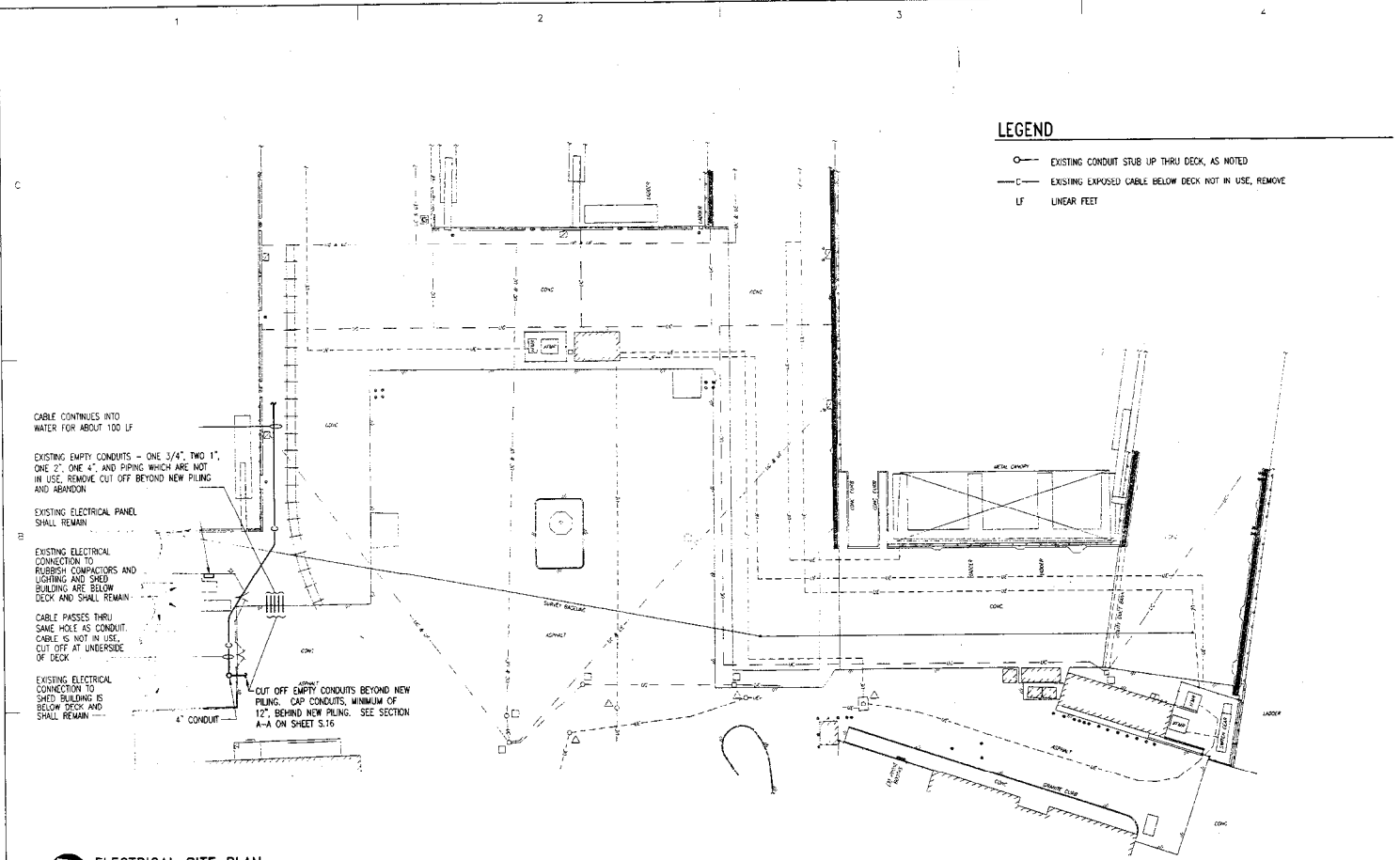
SCALE: AS NOTED PLOT SCALE: 1"=1'  
 SHEET TITLE:

**WATERFRONT RENOVATIONS**  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.

CIVIL SOIL BORINGS	
REVIEWED BY:	REVIEWED BY:
PROJECT ENG	PROJECT MANAGER
DESIGNED BY: OSI	DATE: 05/14/99
DRAWN BY: OSI	DATE:
CHECKED BY: GOS	DATE:
PROJECT NUMBER:	DRAWING NUMBER:
32-L6004	A32L6004C10
DISCIPLINE/Sheet No:	SHEET 12 OF 33
C.10	

THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE

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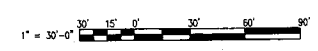
**LEGEND**

- EXISTING CONDUIT STUB UP THRU DECK, AS NOTED
- EXISTING EXPOSED CABLE BELOW DECK NOT IN USE, REMOVE
- LF LINEAR FEET

**ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'-0"

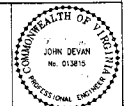
**OPTIONAL BID ITEM #2**

**GRAPHIC SCALE:**



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Town Point Center  
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Norfolk, Virginia, USA  
23510-1638  
Phone 757-627-1112  
Fax 757-627-1113

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ISSUE	MARK	DATE	DESCRIPTION

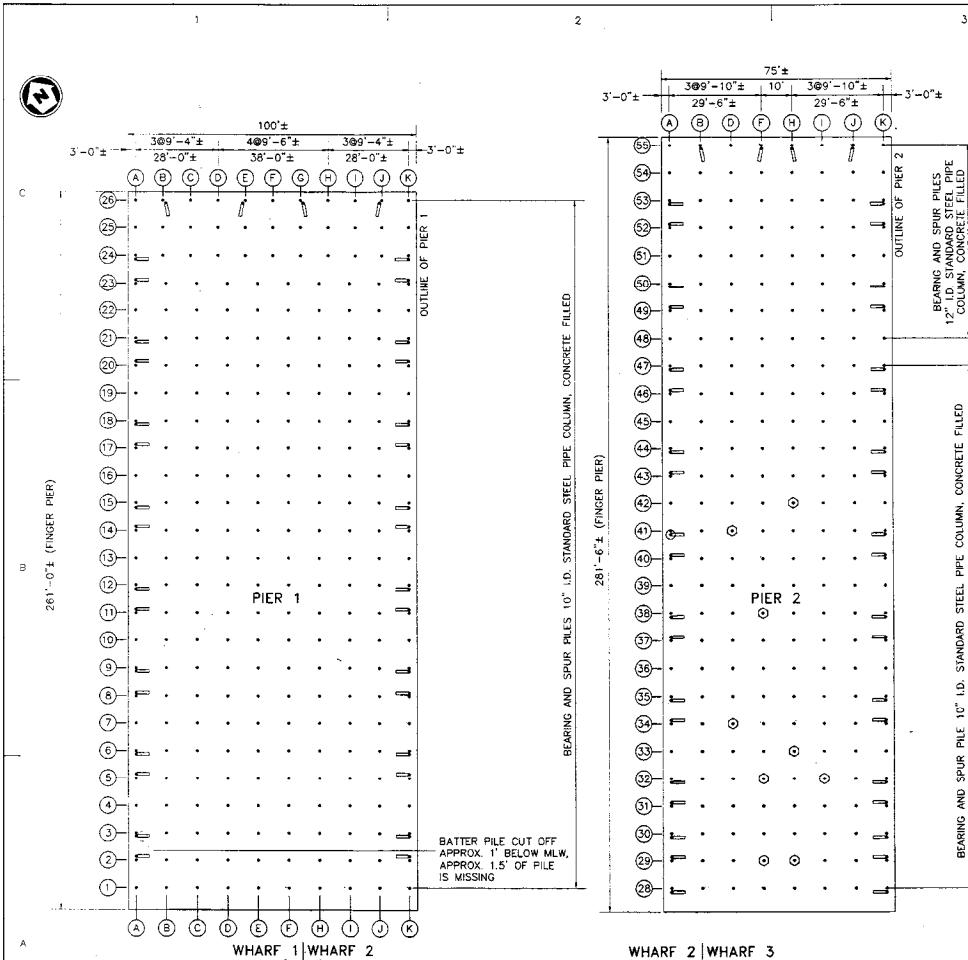
A/E PROJECT NO:	9723004
CAD FILE NAME:	9821961.DWG
DESIGNED BY:	ETK
DRAWN BY:	RAD
EDITED BY:	JD
CHECKED BY:	JJ
SCALE AS NOTED:	PLOT SCALE: 1=1

**SHEET TITLE**  
WATERFRONT RENOVATIONS  
INTEGRATED SUPPORT COMMAND  
BOSTON (ISC BOSTON) MASS.  
**ELECTRICAL  
ELECTRICAL PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG / PROJECT MANAGER	ENV SUP TEAM LDR	
TECHNICAL MANAGER	DATE	05/14/99
PROJECT NUMBER	DRAWINGS NUMBER	
32-L6004	A32L6004E01	
DISCIPLINE / SHEET NO.	SHEET 33 OF 33	
E-1		

**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**

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**EXISTING PILE PLAN**

SCALE: 1"=20'

**BASE BID**

**LEGEND:**

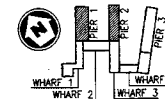
- STEEL-JACKETED 10"Ø OR 12"Ø STANDARD STEEL PIPE PILE, CONCRETE FILLED
- FIBERGLASS-JACKETED 10"Ø OR 12"Ø STANDARD STEEL PIPE PILE, CONCRETE FILLED
- BATTER 10"Ø OR 12"Ø STANDARD STEEL PIPE PILE, CONCRETE FILLED
- ⊙ SEVERELY DAMAGED FIBERGLASS PILE JACKET

**NOTE:**

1. ALL PILES ARE VERTICAL STEEL PIPE PILES UNLESS OTHERWISE INDICATED.

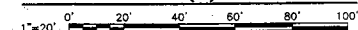
**REPAIR NOTES:**

1. REFER TO SHEET NUMBER S.3 THROUGH S.5 FOR PILE JACKET REPAIR SCHEDULE.
2. CLEAN AND PAINT ALL STEEL PILES AND BRACING AFTER COMPLETING STRUCTURAL REPAIRS. EXTENT OF MARINE COATING SHALL BE FROM MEAN LOW WATER TO THE UNDERSIDE OF CONCRETE.



**KEY PLAN:**

**GRAPHIC SCALE(S):**



**GLENN & SADLER**  
Town Point Center  
150 Boss Street - Suite 1500  
Norfolk, Virginia, USA  
23510-1638

ENGINEERS & ARCHITECTS

Phone 757-627-1114  
Fax 757-627-1113

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GEOTECHNICAL SPECIALTIES  
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ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO	8723004
CAD FILE NAME	S-1.DWG
DESIGNED BY	JRF/GOS
DRAWN BY	CAD
EDITED BY	TSP
CHECKED BY	JE

SCALE: AS NOTED PLOT SCALE: 1/8"=1'

SHEET TITLE  
**WATERFRONT RENOVATIONS  
INTEGRATED SUPPORT COMMAND  
BOSTON (ISC BOSTON) MASS.**

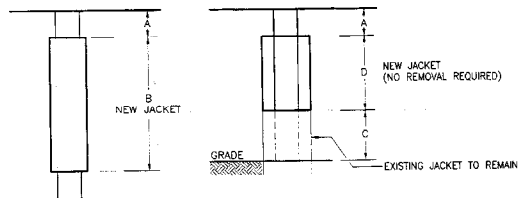
**EXISTING PILE PLAN  
STRUCTURAL  
PIERS 1 & 2**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG	PROJECT MANAGER	ENV SUP TEAM LDR
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
TECHNICAL MANAGER	DATE	05/14/99

PROJECT NUMBER	DRAWING NUMBER
32-L6004	A32L6004S01
DISCIPLINE/SHT NO	SHEET 14 OF 33
S.1	

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**NOTES:**

1. A: DIMENSION INDICATES LOCATION FROM UNDERSIDE OF CONCRETE BEAM TO TOP OF NEW JACKET.
2. DIMENSION INDICATES NEW JACKET LENGTH.
3. EXISTING JACKET TO REMAIN UNLESS OTHERWISE NOTED.
4. DIMENSION INDICATES NEW JACKET LENGTH; NO REMOVAL OF EXISTING JACKET REQUIRED.
2. ASSUME NO COATING OF FIBERGLASS JACKETS.
3. ALL JACKETS SHALL BE FIBERGLASS UNLESS OTHERWISE NOTED. SEE SHEET S.6 FOR REPAIR DETAILS.
4. CONTRACTOR SHALL FIELD VERIFY LENGTHS OF PILE JACKETS REQUIRED BEFORE FABRICATION. DIMENSIONS SHOWN IN SCHEDULES ARE FOR BID PURPOSES ONLY.

**PILE JACKET REPAIR DIAGRAM**

NOT TO SCALE

**PIER 1**

LOCATION	A	B	REMARKS
A - 2.9	9'-0"	10'-0"	1.5' OF PILE IS MISSING AT APPROX. 1" BELOW MLW; USE STEEL JACKET

**PIER 2**

LOCATION	A	B	REMARKS
A - 40.9	4'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
D - 34	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
D - 41	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
F - 29	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
F - 32	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
F - 38	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
H - 29	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
H - 33	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
H - 42	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET
I - 32	8'-0"	22'-0"±	REMOVE OLD FIBERGLASS JACKET; REPLACE WITH STEEL JACKET

**BASE BID**



**GLENN & SADLER**  
 TOWN POINT OFFICE  
 140 Booth Street - Suite 1000  
 Norfolk - Virginia USA  
 23510-1638

ENGINEERS & ARCHITECTS

Phone 757-627-1112  
 Fax 757-627-1113

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ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 9723004  
 CAD FILE NAME: S-3.DWG  
 DESIGNED BY: GOS  
 DRAWN BY: YSP  
 EDITED BY: YSP  
 CHECKED BY: GOS

SCALE: AS NOTED PLOT SCALE: 1=1  
 SHEET TITLE

WATERFRONT RENOVATIONS  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.  
 PILE REPAIR SCHEDULE  
 STRUCTURAL  
 PIERS 1 & 3

REVIEWED BY: [Signature] REVIEWED BY: [Signature] REVIEWED BY: [Signature]  
 PROJECT ENG PROJECT MANAGER ENV SUP TEAM LEAD  
 TECHNICAL MANAGER DATE: 05/14/99

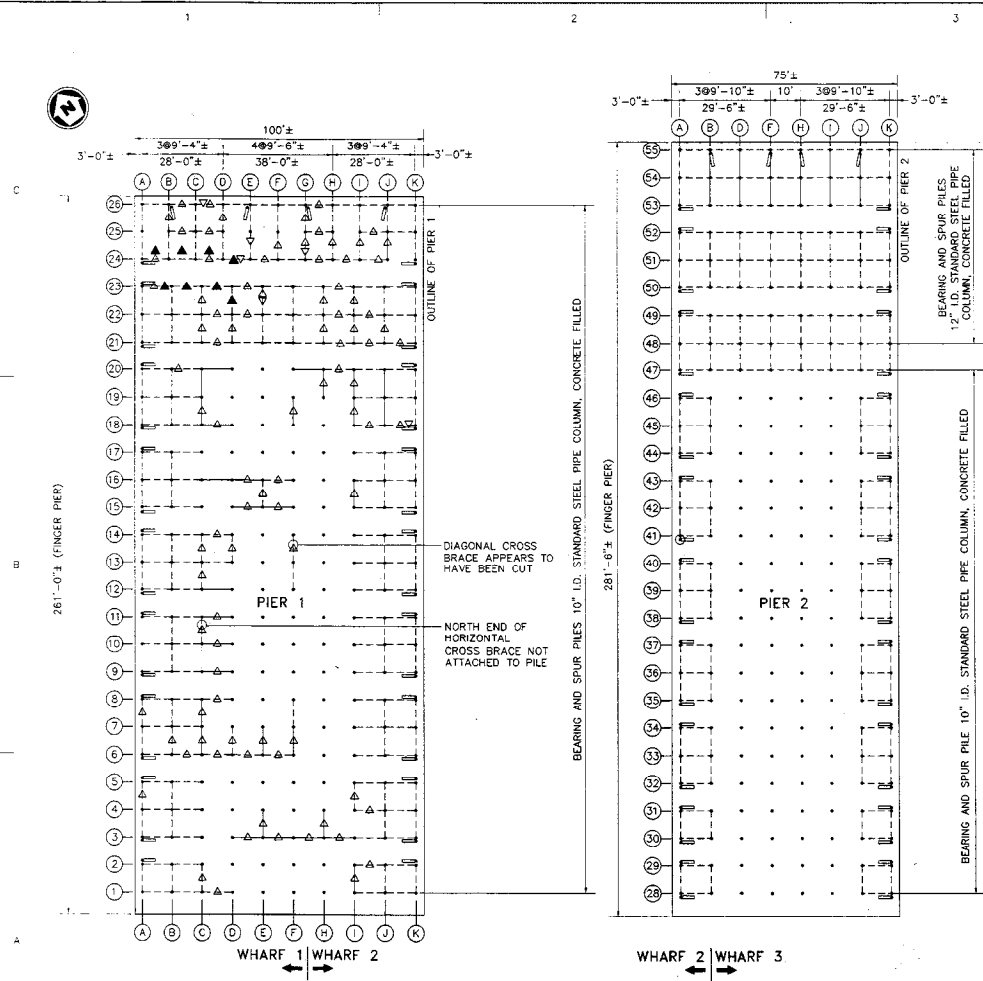
PROJECT NUMBER: 32-L6004 DRAWING NUMBER: A32L6004S03  
 DISCIPLINE/SHT NO: S.3 SHEET 16 OF 33

**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**

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**LEGEND:**

- DIAG. & HORIZ. BRACES PRESENT
- HORIZ. BRACE MISSING
- DIAG. BRACE MISSING
- △ HOLES IN DIAG. BRACE
- ▽ HOLES IN HORIZ. BRACE
- ▲ HEAVY RUST SCALE AT TOP OF DIAGONAL BRACE, HOLES SUSPECTED.

**SHEET NOTES:**

- ① DIAGONAL BRACES CORRODED THROUGH AT BOTTOM CONNECTION.
- ② HORIZONTAL BRACE CORRODED THROUGH AT CONNECTION. BRACE IS PRIMARILY BELOW GRADE.
- ③ HORIZONTAL BRACE IS BELOW GRADE.

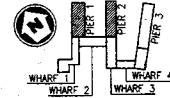
**REPAIR NOTES:**

1. CLEAN AND PAINT ALL STEEL PILES AND BRACING AFTER COMPLETING STRUCTURAL REPAIRS. EXTENT OF MARINE COATING SHALL BE FROM MEAN LOW WATER TO THE UNDERSIDE OF CONCRETE.
2. WHERE HORIZONTAL BRACE IS MISSING, INSTALL NEW 4" SCHEDULE 80 PIPE HORIZONTAL BRACE.
3. WHERE DIAGONAL BRACE IS MISSING, INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.
4. WHERE THERE ARE HOLES IN THE DIAGONAL BRACE, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.
5. WHERE THERE ARE HOLES IN THE HORIZONTAL BRACE, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE HORIZONTAL BRACE.
6. WHERE HEAVY RUST SCALE AT TOP OF DIAGONAL BRACE AND HOLES SUSPECTED, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.

**EXISTING BRACING PLAN**

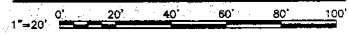
SCALE: 1"=20'

**BASE BID**



**KEY PLAN:**

**GRAPHIC SCALE(S):**



**GLENN & SADLER**  
 Town Point Center  
 150 Booth Street, Suite 1000  
 Norfolk, Virginia USA  
 23510-1838  
 ENGINEERS & ARCHITECTS  
 Phone 757-627-1112  
 Fax 757-627-1113

**GSI, INC.**  
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 NORFOLK, VA  
 PACE COLLABORATIVE  
 MECHANICAL, ELECTRICAL, ENGINEERING  
 VICTORIA BEACH, VA



**U. S. COAST GUARD**  
 FACILITIES DESIGN &  
 CONSTRUCTION CENTER  
 ATLANTIC



USCG, FDCC LANT  
 5305 ROBIN HOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

MARK	DATE	DESCRIPTION

A/E PROJECT NO. 9733004
CAD FILE NAME: S-7.DWG
DESIGNED BY: JMF/SOS
DRAWN BY: CAD
EDITED BY: TSP
CHECKED BY: JE

SCALE: AS NOTED PLOT SCALE: 1/4"=1'

**WATERFRONT RENOVATIONS**  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.  
 EXISTING BRACING PLAN  
 STRUCTURAL  
 PIERS 1 & 2

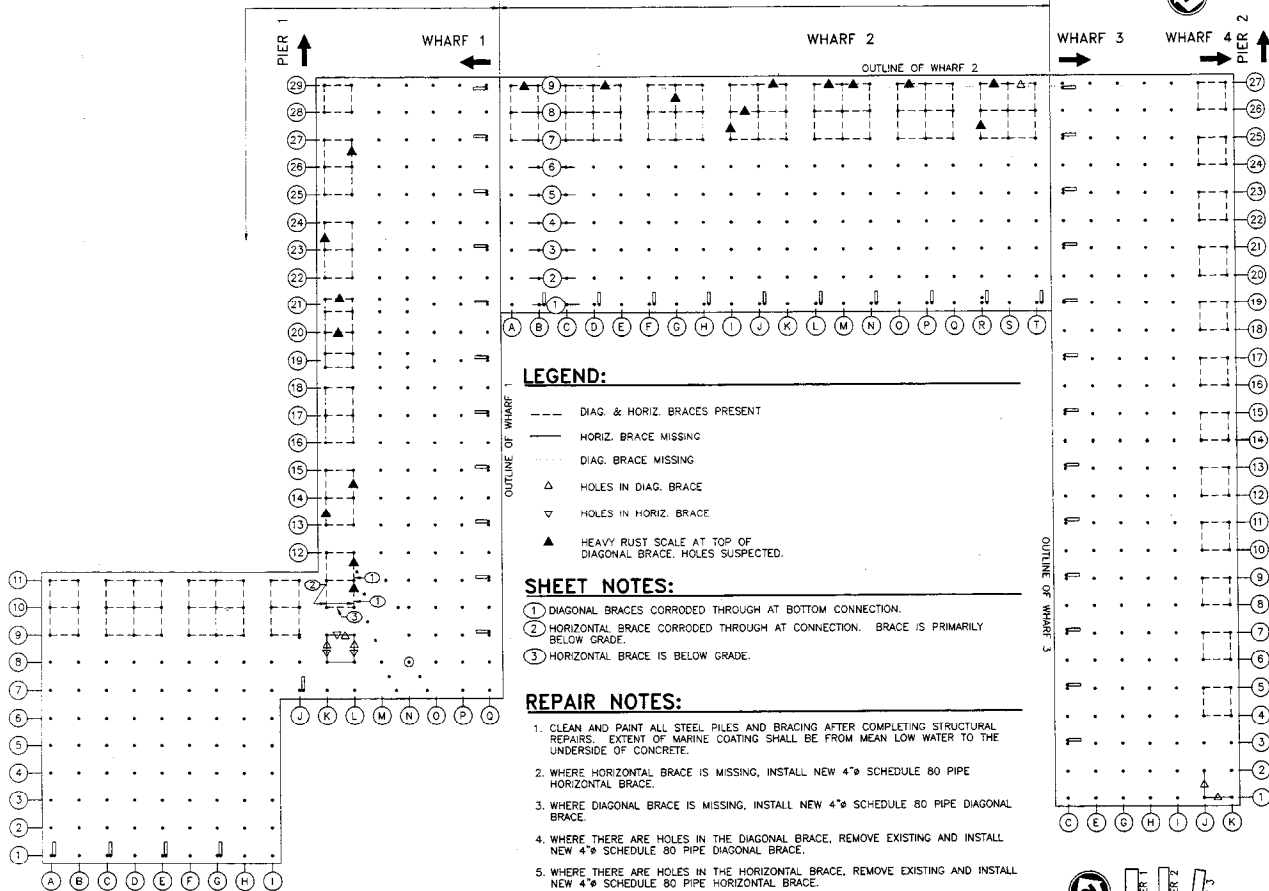
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG. PROJECT MANAGER	ENR SUP TEAM LDR	
TECHNICAL MANAGER		05/14/99
		DATE

PROJECT NUMBER	DRAWING NUMBER
32-16004	A32L6004S07
DISCIPLINE/SHEET NO.	SHEET
S7	20 OF 33

THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE

P:\9733004\9733004\STRUCTS-7.DWG

OPTIONAL BID ITEM #1



**LEGEND:**

- DIAG. & HORIZ. BRACES PRESENT
- HORIZ. BRACE MISSING
- DIAG. BRACE MISSING
- △ HOLES IN DIAG. BRACE
- ▽ HOLES IN HORIZ. BRACE
- ▲ HEAVY RUST SCALE AT TOP OF DIAGONAL BRACE, HOLES SUSPECTED.

**SHEET NOTES:**

- ① DIAGONAL BRACES CORRODED THROUGH AT BOTTOM CONNECTION.
- ② HORIZONTAL BRACE CORRODED THROUGH AT CONNECTION. BRACE IS PRIMARILY BELOW GRADE.
- ③ HORIZONTAL BRACE IS BELOW GRADE.

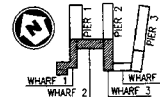
**REPAIR NOTES:**

1. CLEAN AND PAINT ALL STEEL PILES AND BRACING AFTER COMPLETING STRUCTURAL REPAIRS. EXTENT OF MARINE COATING SHALL BE FROM MEAN LOW WATER TO THE UNDERSIDE OF CONCRETE.
2. WHERE HORIZONTAL BRACE IS MISSING, INSTALL NEW 4" SCHEDULE 80 PIPE HORIZONTAL BRACE.
3. WHERE DIAGONAL BRACE IS MISSING, INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.
4. WHERE THERE ARE HOLES IN THE DIAGONAL BRACE, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.
5. WHERE THERE ARE HOLES IN THE HORIZONTAL BRACE, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE HORIZONTAL BRACE.
6. WHERE HEAVY RUST SCALE AT TOP OF DIAGONAL BRACE AND HOLES SUSPECTED, REMOVE EXISTING AND INSTALL NEW 4" SCHEDULE 80 PIPE DIAGONAL BRACE.

**EXISTING BRACING PLAN**

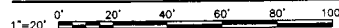
SCALE: 1"=20'

**BASE BID AND OPTIONAL BID ITEM #1**



**KEY PLAN:**

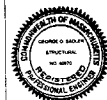
**GRAPHIC SCALE(S):**



**GLENN & SADLER**  
Town Point Center  
150 Beach Street, Suite 1000  
Norfolk, Virginia USA  
23510-1608

ENGINEERS & ARCHITECTS  
PHONE: 757-827-1133  
FAX: 757-827-1133

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ATLANTIC



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5505 ROBIN HOOD ROAD, SUITE K  
NORFOLK, VA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO.	323204
DOC FILE NAME	323204.DWG
DESIGNED BY	BRF GDS
DRAWN BY	GAD
EDITED BY	TPP
CHECKED BY	JE

SCALE: AS NOTED PLOT SCALE: 1"=1'

SHEET TITLE  
**WATERFRONT RENOVATIONS  
INTEGRATED SUPPORT COMMAND  
BOSTON (ISC BOSTON) MASS.**

**EXISTING BRACING PLAN  
STRUCTURAL  
WHARFS 1, 2 & 3**

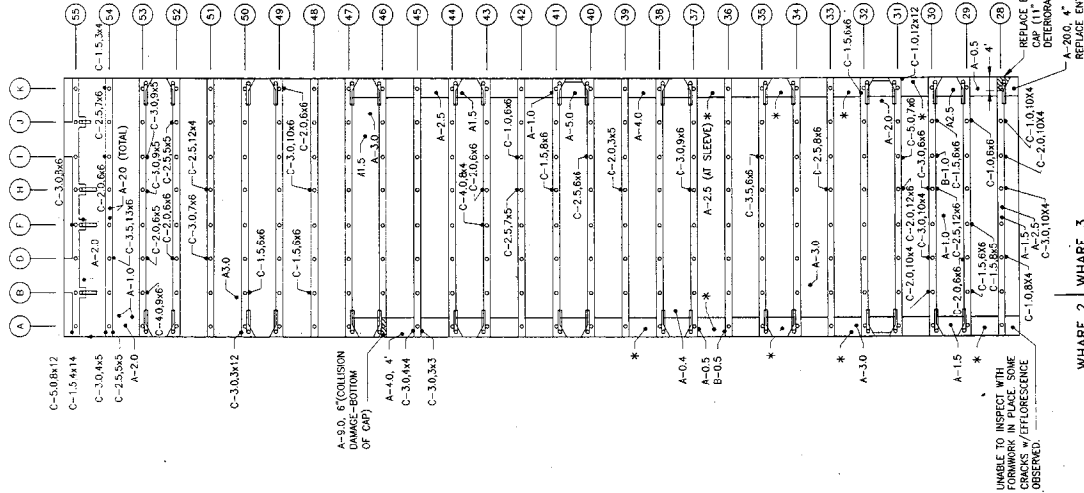
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG	PROJECT MANAGER	ENV SUP TEAM LDR

DATE: 05/14/99

PROJECT NUMBER	DRAWING NUMBER
32-L6004	A32L6004S08

DISCIPLINE/SHT NO: S.8 SHEET 21 OF 33

THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE



**LEGEND - CONCRETE SPALLS**

SYMBOL	DESCRIPTION
A-X, Y	A = SOFFIT (OVERHEAD) SPALL SYMBOL X = SURFACE AREA OF SPALL Y = AVERAGE DEPTH OF SPALL INCHES, IF IN EXCESS OF 2 1/2 INCHES
B-X, Y	B = SIDE (VERTICAL) SPALL SYMBOL X = SURFACE AREA OF SPALL Y = AVERAGE DEPTH OF SPALL INCHES, IF IN EXCESS OF 2 1/2 INCHES
C-X, Y x Z	C = CORNER SPALL SYMBOL X = LENGTH, LINEAR FEET Y = HEIGHT, INCHES Z = WIDTH, INCHES

\* SEVERE DETERIORATION, REINFORCING EXPOSED

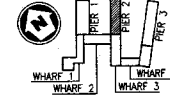
INDICATES APPROXIMATE SPALL LOCATION, SPALL TYPE AND SPALL SIZE TYPICAL AT EACH DOT (•).

**REPAIR NOTE:**

- REFER TO SHEETS S.18 AND S.19 FOR CONCRETE REPAIR DETAILS.

WHARF 2 ←

WHARF 3 →



**GRAPHIC SCALE(S):**

1/16" = 1'-0"    0' 5' 10' 20' 30' 40' 50' 60'

**GLENN & SAILER**  
 Town Point Center  
 150 Beach Street, Suite 1000  
 Norfolk, Virginia, USA  
 23510-1629  
 ENGINEERS & ARCHITECTS  
 Phone 757-627-1113  
 Fax 757-627-1113

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 5505 ROBIN HOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

MARK	DATE	DESCRIPTION

AVE PROJECT NO: 9723004	DESIGNED BY: JRF, GOS
CON FILE NAME: S-12.DWG	DRAWN BY: MW
	EXELED BY: JRF
	CHECKED BY: JE
SCALE AS NOTED	PLOT SCALE: 1=1
SHEET TITLE	
WATERFRONT RENOVATIONS INTEGRATED SUPPORT COMMAND BOSTON (ISC BOSTON) MASS. EXISTING REFLECTED DECK PLAN STRUCTURAL PIER 2	
REVIEWED BY: [Signature]	REVIEWED BY: [Signature]
PROJECT ENG PROJECT MANAGER ENY SUP TEAM LDR	TECHNICAL MANAGER
PROJECT NUMBER: 32-L6004	DRAWING NUMBER: A32L6004S12
DISCIPLINE/SHEET NO: S.12	SHEET 25 OF 33

P:\9723004\9723004\STRUCTS\S-12.DWG

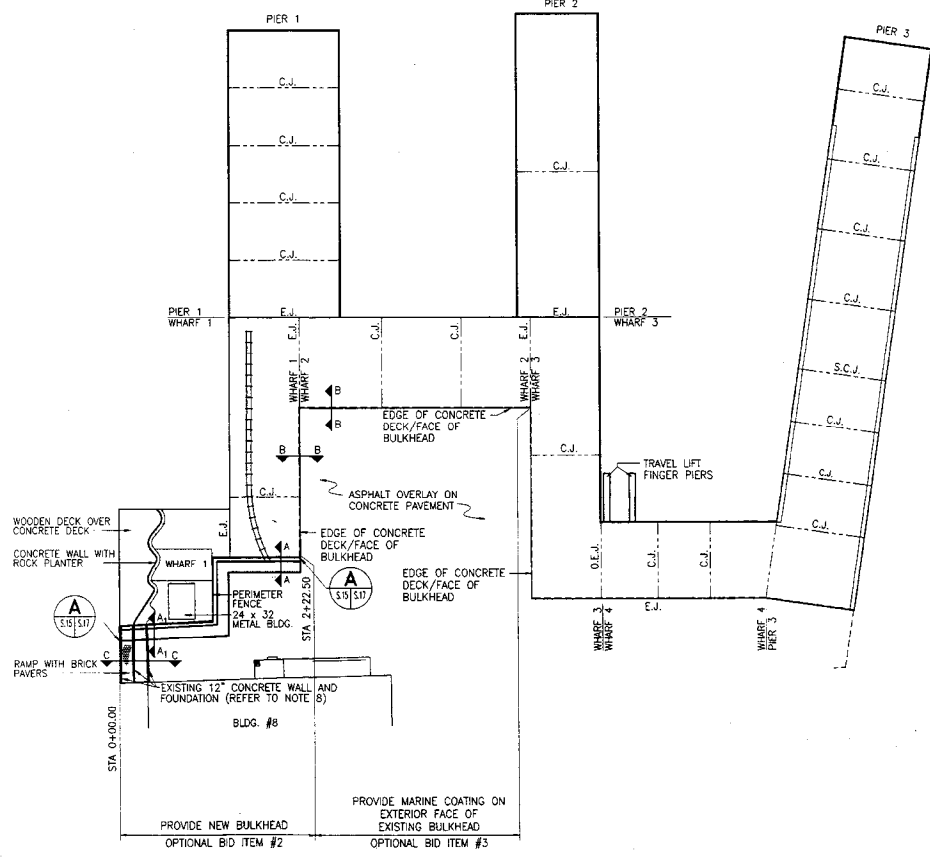
**EXISTING REFLECTED DECK PLAN**

SCALE: 1/16" = 1'-0"

**BASE BID**

THIS DRAWING HAS BEEN REDUCED TO HALF-S





**EXISTING DECK PLAN**

SCALE: 1"=50'

**OPTIONAL BID ITEMS #2 AND #3**

**LEGEND**

EXPANSION JOINT	E.J.
CONSTRUCTION JOINT	C.J.
OPEN EXPANSION JOINT	O.E.J.
SLIDING PLATE EXPANSION JOINT	S.P.J.

**REPAIR NOTES:**

1. REFER TO SHEET NUMBER S.16 FOR SECTION A-A.
2. REFER TO SHEET NUMBER S.16 FOR SECTION A-A<sub>1</sub>.
3. REFER TO SHEET NUMBER S.17 FOR SECTION B-B.
4. REFER TO SHEET NUMBER S.16 FOR SECTION C-C.
5. PRIOR TO APPLYING MARINE COATING, VACUUM BLAST THE EXISTING SHEET PILE BULKHEAD IN ACCORDANCE WITH SPECIFICATIONS.
6. REMOVE EXISTING TRACK AND TRACK SUPPORT AS REQUIRED FOR EXCAVATION BEHIND EXISTING BULKHEAD; NO REINSTALLATION IS REQUIRED.
7. REMOVE EXISTING 12" WIDE REINFORCING CONCRETE WALL, FOUNDATION AND CHAIN LINK FENCE FOR INSTALLATION OF NEW STEEL SHEET BULKHEAD. REPLACE WALL, FOUNDATION AND CHAIN LINK FENCE FOR THAT SECTION IN KIND.



**GLENN & SADLER**  
 Town Point Center  
 150 Boston Street, Suite 1000  
 Norfolk, Virginia USA  
 23510-1658

ENGINEERS & ARCHITECTS

PHONE: 757-627-1115  
 FAX: 757-627-1113

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 CONSTRUCTION CENTER  
 ATLANTIC



USCG, FDCC LANT  
 5605 ROBIN HOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	9723004
CAD FILE NAME:	S-15.dwg
DESIGNED BY:	STW
DRAWN BY:	WFW
EDITED BY:	TSP
CHECKED BY:	STW

SCALE: AS NOTED PLOT SCALE: 1"=1'  
 SHEET TITLE

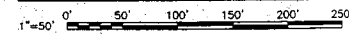
**WATERFRONT RENOVATIONS**  
 INTEGRATED SUPPORT COMMAND  
 BOSTON (ISC BOSTON) MASS.

**EXISTING DECK PLAN**  
 STRUCTURAL  
**PIERS 1-3 & WHARFS 1-4**

REVIEWED BY:	REVIEWED BY:
PROJECT ENG. PROJECT MANAGER	ENV. SUP. TEAM LEAD
<i>[Signature]</i>	<i>[Signature]</i>
DATE:	05/14/99

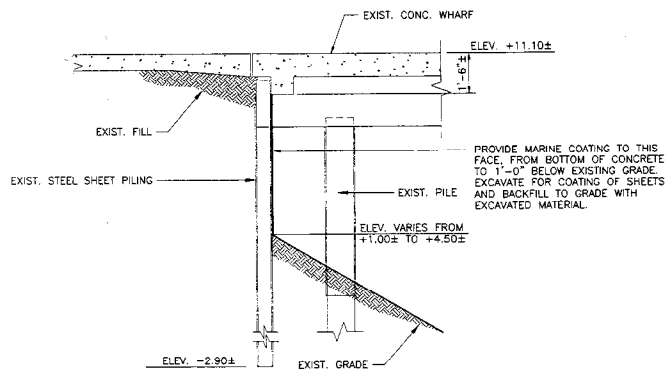
PROJECT NUMBER	DRAWING NUMBER
32-L6004	A32L6004S15
DISCIPLINE/SHEET NO.	SHEET 28 OF 33
S.15	

**GRAPHIC SCALE(S):**



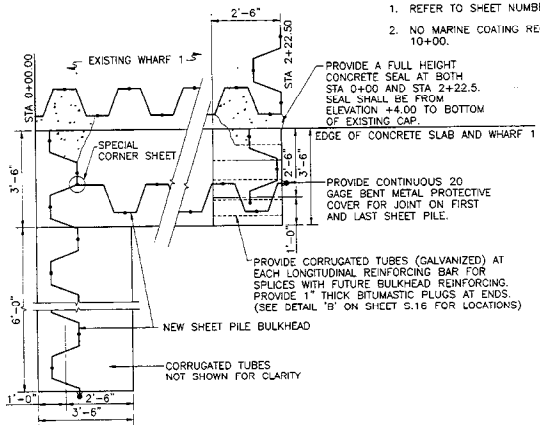
**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**

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SECTION B-B (WHARF 1 - STA. 2+22.50 THRU STA. 3+58.35)  
 SECTION B-B (WHARF 2 - STA. 3+58.35 THRU STA. 5+66.95)  
 SCALE: 1/2" = 1'-0"

**OPTIONAL BID ITEM #3**



**TYPICAL DETAIL AT ENDS OF NEW SHEET PILE BULKHEAD**

SCALE: 1/2" = 1'-0"

**OPTIONAL BID ITEM #2**

**NOTES:**

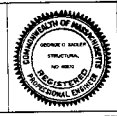
1. REFER TO SHEET NUMBER S.15 FOR DECK PLAN.
2. NO MARINE COATINGS REQUIRED BEYOND STATION 10+00.



**GLENN & SADLER**  
 1500 Park Center  
 150 Board Street, Suite 1000  
 Norfolk, Virginia, USA  
 23510-6208

**ENGINEERS & ARCHITECTS**  
 Phone: 757-827-1112  
 Fax: 757-827-1113

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 GEOTECHNICAL SPECIALTIES  
 NORFOLK, VA  
**PACE COLLABORATIVE**  
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USCG, FDCC LANT  
 5505 ROBIN HOOD ROAD, SUITE K  
 NORFOLK, VA 23513-2431

MARK	DATE	DESCRIPTION

A/E PROJECT NO:	8723004
CAD FILE NAME:	S-17.DWG
DESIGNED BY:	STW
DRAWN BY:	MFW
EDITED BY:	HSP
CHECKED BY:	STW

SCALE AS NOTED PLOT SCALE: 1=1  
 SHEET TITLE

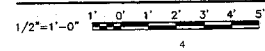
**WATERFRONT RENOVATIONS**  
**INTEGRATED SUPPORT COMMAND**  
 BOSTON (ISC BOSTON) MASS.

**STRUCTURAL**  
**WHARF SECTIONS**

REVIEWED BY:	REVIEWED BY:
PROJECT ENG:	PROJECT MANAGER:
ENV:	ENV SUP TEAM LEAD:
DATE:	DATE:

PROJECT NUMBER:	DRAWING NUMBER:
32-L6004	A32L6004S17
DISCIPLINE/SHEET NO:	SHEET 30 OF 33
S.17	

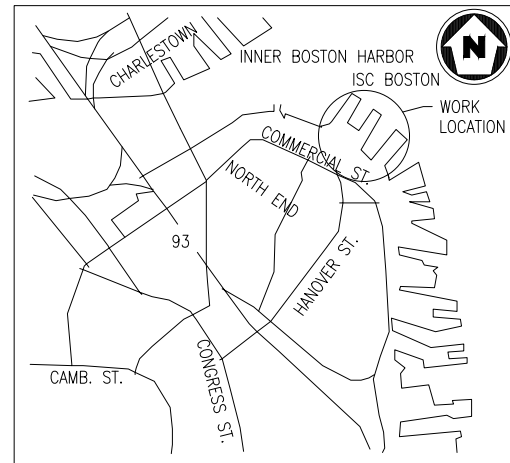
**GRAPHIC SCALE(S):**



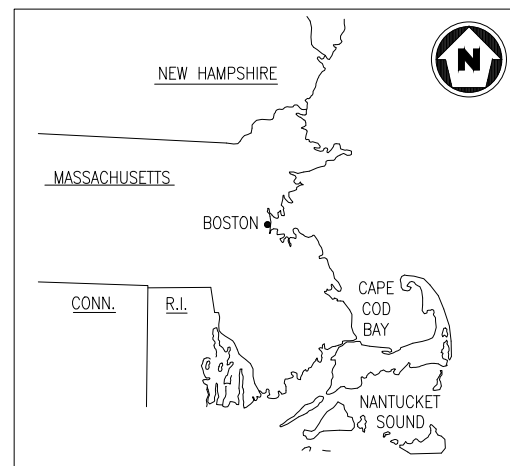
**THIS DRAWING HAS BEEN REDUCED TO HALF-SIZE**

# FRC HOMEPORTING BASE BOSTON & WATERFRONT RENOVATIONS BOSTON, MA

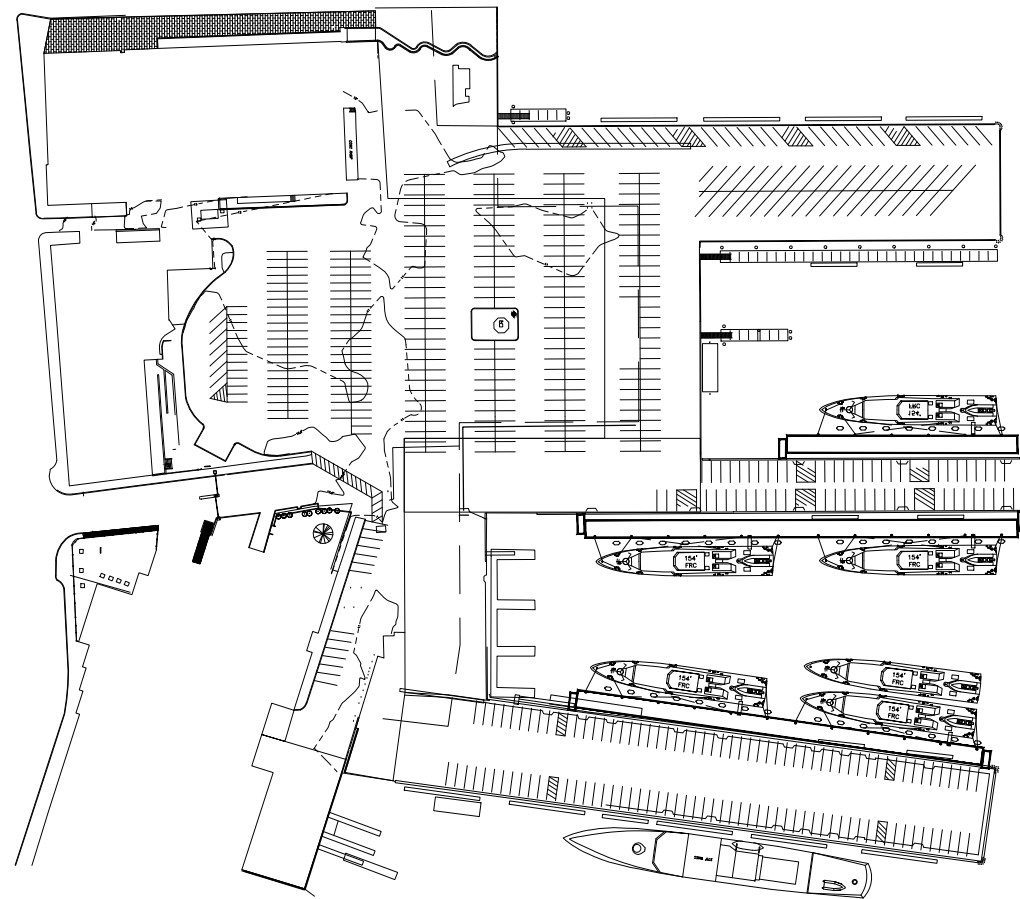
## FOR PERMITTING REVIEW ONLY, NOT FOR CONSTRUCTION



**LOCATION MAP**  
SCALE: N.T.S.



**AREA MAP**  
SCALE: N.T.S.



**SITE MAP**  
SCALE: N.T.S.

CLIENT:  UNITED STATES COAST GUARD  
U.S. COAST GUARD BASE BOSTON  
BOSTON, MA 02109

CONTRACTOR:  WALSH CONSTRUCTION  
100 RIVER RIDGE DR,  
NORWOOD MA 02062  
781-793-9988

A/E:  COLLINS ENGINEERS, INC.  
650 ISLINGTON STREET, SUITE 1  
PORTSMOUTH, NH 03801  
(603) 334-4742

A/E:  WM WUNDERLICH-MALEC ENGINEERING  
13 WATER STREET  
NEWMARKET, NH 03857  
(603) 200-0096

SURVEY:  DOUCET SURVEY, LLC.  
102 KENT PLACE  
NEWMARKET, NH 03857  
(603) 659-6560

### TIDAL DATUMS

TIDAL DATUM: BOSTON CITY BASE DATUM (BCB)  
TIDAL EPOCH: 1983-2001  
FEMA 1% BASE FLOOD (V2)(NAVD 88) = 19.5'  
HIGH TIDE LINE (HTL) = 13.42'  
MEAN HIGHER-HIGH WATER (MHHW) = 11.27'  
MEAN HIGH WATER (MHW) = 10.83'  
NORTH AMERICAN VERTICAL DATUM (NAVD 88) = 6.5'  
MEAN LOW WATER (MLW) = 1.34'  
MEAN LOWER-LOW WATER (MLLW) = 0.99'  
BOSTON CITY BASE DATUM (BCB) = 0.00'

REFERENCES:  
BOSTON, MA, #8443970  
FEMA: FIRM, CITY OF BOSTON  
PANEL 81 OF 176, MAP# 25025C0081J, DATE MARCH 16, 2016

Walsh Construction  
100 RIVER RIDGE DR, NORWOOD MA 02062  
781-793-9988

CONSULTANTS  
**COLLINS ENGINEERS INC**  
650 Islington Street, Suite 1 - Portsmouth, NH 03801  
Tel -603-334-4742 - www.collinsengr.com

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5505 ROBIN HOOD ROAD SUITE K  
NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
CAD FILE NAME: G-001 TITLE SHEET.dwg  
DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: DJG  
CHECKED BY: ZDJ

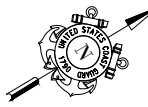
SCALE: AS SHOWN PLOT SCALE: 1 : 1

SHEET TITLE  
**FRC HOMEPORTING  
BASE BOSTON**  
BOSTON MA  
**GENERAL  
COVER SHEET**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET 1 OF 25
<b>G-001</b>	

G:\01\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NOI\G-001 TITLE SHEET.DWG LAYOUT: G-001 TITLE SHEET 9/03/2021 4:20PM DIMSCALE: 1 R24-1



MARTIGNETTI MARIA  
51 FULTON ST  
BOSTON, MA 02109

DOTTO GIAN-PAOLO  
23 FOSTER ST  
BOSTON, MA 02109

FOUR 70 COMMERCIAL ST LLC MASS LLC  
420 COMMERCIAL ST  
BOSTON, MA 02109

GIOVANGELO JOSEPH L JR  
53 POWISSET ST  
DOVER, MA 02030

CARREGAL JOSEPH M  
420 COMMERCIAL ST  
BOSTON, MA 02109

IANNELLA CHRISTOPHER G  
468 COMMERCIAL ST  
BOSTON, MA 02109

PREVITE NOLAN P  
460 COMMERCIAL STREET  
BOSTON, MA 021098

450 COMMERCIAL STREET CONDOMINIUM TRUST PAMELA  
MALDEN, MA 02148

FREDERICK H STRICKLER JR  
440 COMMERCIAL ST #202  
BOSTON, MA 02109

BID COMMERCIAL ST LLC MASS LLC  
66 CHARLES ST #140  
BOSTON, MA 02114

KELLEY ROBERT F  
75 MILL ST  
TEWKSBURY, MA 01876

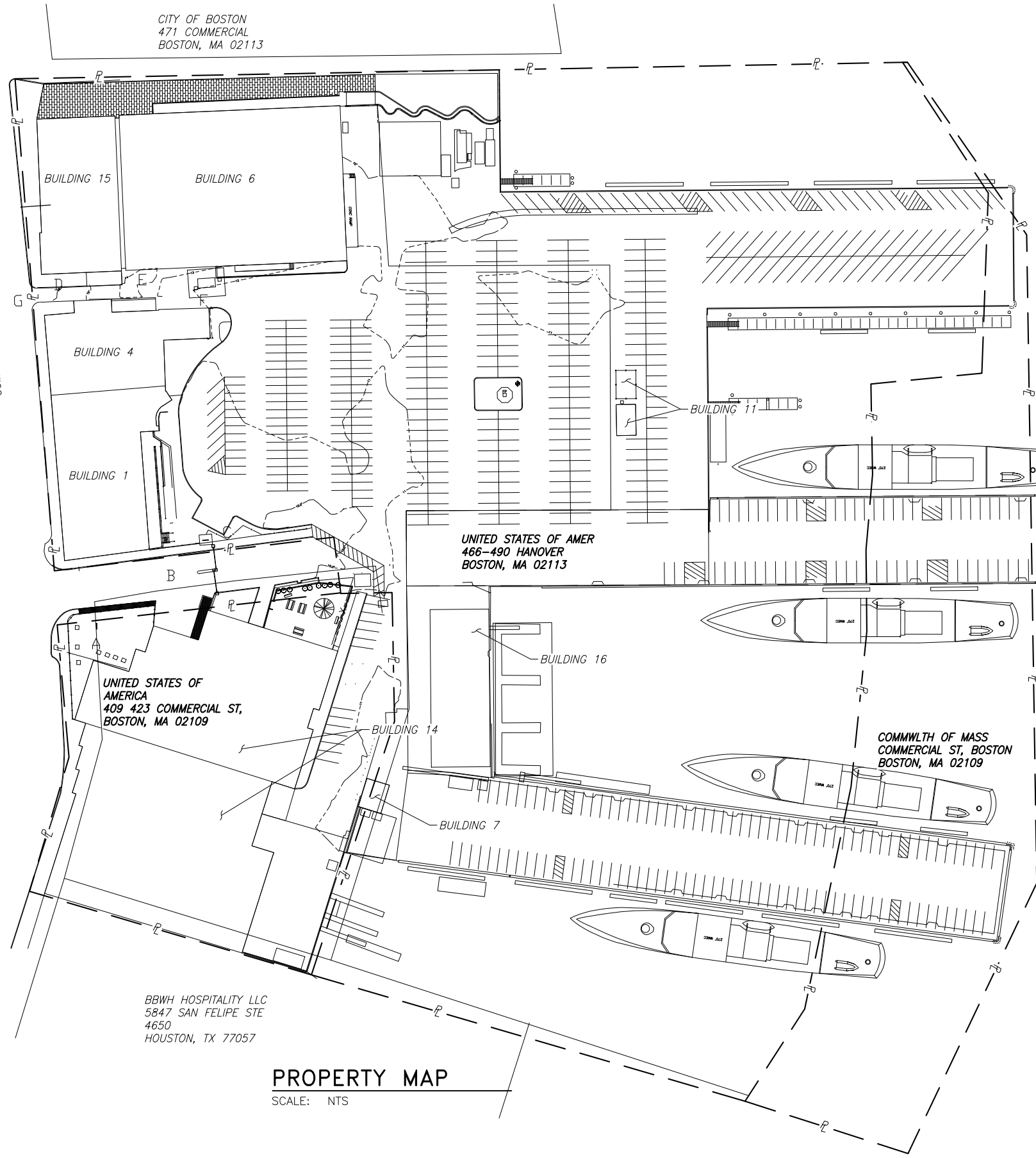
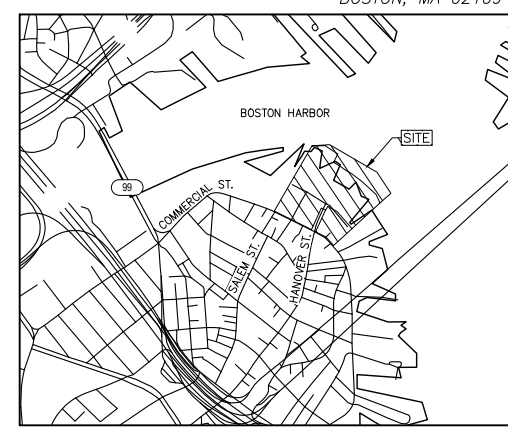
LAURIA FRANCES  
420 COMMERCIAL ST  
BOSTON, MA 02109

FOUR 04 COMMERCIAL ST LLC MASS LLC  
420 COMMERCIAL ST  
BOSTON, MA 02109

GALATI NICHOLAS A  
414 COMMERCIAL ST #2  
BOSTON, MA 02109

NACE JEFFREY  
402 COMMERCIAL ST #2  
BOSTON, MA 02109

TIBERI CESIDIO P  
392-394 COMMERCIAL ST  
BOSTON, MA 02109



**PROPERTY MAP**  
SCALE: NTS

Walsh Construction  
100 RIVER RIDGE DR, NORWOOD MA 02062  
781-793-9988

CONSULTANTS  
**COLLINS ENGINEERS INC**  
650 Islington Street, Suite 1 - Portsmouth, NH 03801  
Tel - 603-334-4742 - www.collinsengr.com  
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NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
CAD FILE NAME: G-002 PROPERTY MAP.dwg  
DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: GTH  
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
SHEET TITLE

**FRC HOMEPORTING BASE BOSTON**  
BOSTON MA  
**GENERAL PROPERTY MAP**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET 2 OF 25
<b>G-002</b>	

C:\NASINI\NH\REGULAR PROJECTS\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NOI\G-002 PROPERTY MAP.DWG LAYOUT: G-002 PROPERTY MAP 9/03/2021 4:20PM DIMSCALE: 1 R24.1







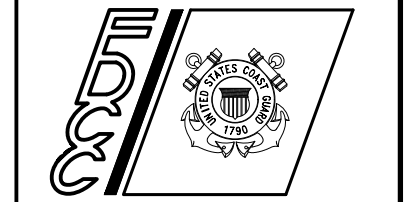
Walsh Construction  
100 RIVER RIDGE DR, NORWOOD MA 02062  
781-793-9988

CONSULTANTS  
**COLLINS ENGINEERS**  
650 Islington Street, Suite 1 - Portsmouth, NH 03801  
Tel - 603-334-4742 - www.collinsengr.com

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U. S. COAST GUARD  
FACILITIES DESIGN &  
CONSTRUCTION CENTER



5505 ROBIN HOOD ROAD SUITE K  
NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
CAD FILE NAME: C-004 REMOVALS PLAN.dwg  
DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: GTH  
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
SHEET TITLE

FRC HOMEPORING  
BASE BOSTON MA

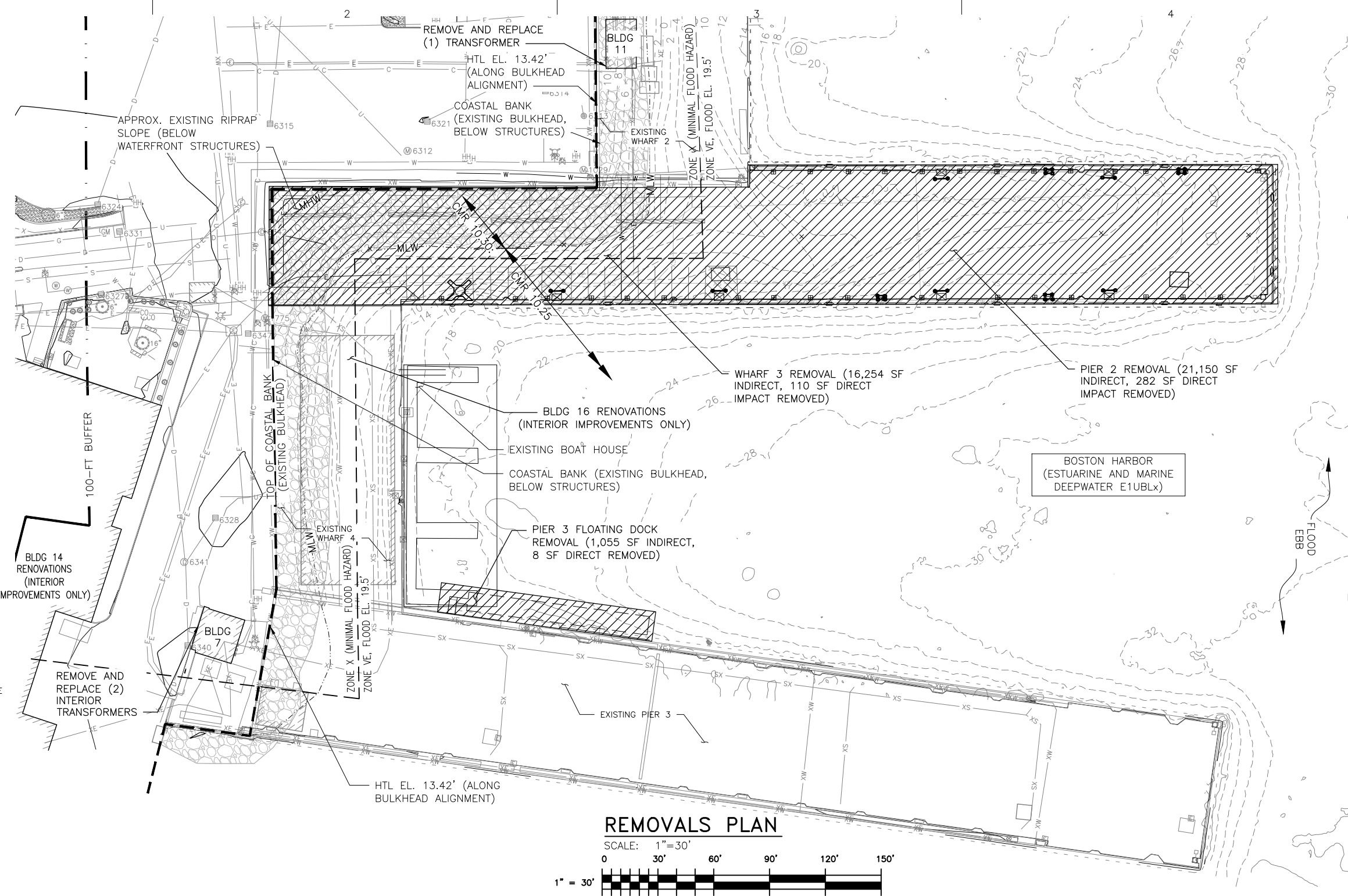
GENERAL  
REMOVALS PLAN

REVIEWED BY: REVIEWED BY: REVIEWED BY:  
PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

APPROVING OFFICER DATE

PROJECT NUMBER DRAWING NUMBER  
19195378 TBD

DISCIPLINE/SHT NO SHEET 4 OF 25  
G-004

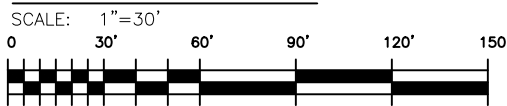


- NOTES:
- EXISTING SURVEY DATA BASED ON PLAN TITLED FRC HOMEPORING BASE BOSTON BY DOUCET SURVEY LLC, JUNE 2021.
  - HORIZONTAL DATUM BASED ON NAD83(2011) MASSACHUSETTS STATE PLANE MAINLAND COORDINATE ZONE (2001) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
  - VERTICAL DATUM BASED ON UNMARKED DISK 1319 = 11.23' NAVD88 BASED ON NGS VERTCON CONVERSION FROM DISK 1319 12.03' NGVD29 WHICH WAS PROVIDED TO DOUCET SURVEY IN 2013.
  - WETLAND FLAGS WERE NOT LOCATED FOR THIS PROJECT. RESOURCE AREAS INCLUDE LAND UNDER OCEAN AND COASTAL BANK WHICH WERE VISUALLY DELINEATED BY AN EXISTING STEEL SHEET PILE BULKHEAD.
  - WETLANDS WERE CLASSIFIED UTILIZING THE CRITERIA OF CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. DOMINANT HYDRIC SOIL CONDITIONS WERE NOT OBSERVED AT THE SITE.
  - DOMINANCE OF WETLAND VEGETATION WAS NOT ASSESSED FOR THIS PROJECT. NO WETLAND VEGETATION IS PRESENT.
  - AN UNDERWATER INVESTIGATION WAS COMPLETED BY COLLINS ENGINEERS, INC. ON 06/17/2021 WHICH REVEALED NO INDICATION OF SEAGRASS, VEGETATED SHALLOWS, MUDFLATS, OR RIFFLE POOLS WITHIN THE FOOTPRINT OF THE PROPOSED WORK.
  - MASSGIS INDICATES THE AREA DOES NOT PROVIDE A SUITABLE HABITAT FOR SHELLFISH AND IS RESTRICTED FROM HARVESTING, AND THAT THERE IS NO KNOWN SEAGRASS PRESENT IN THE AREA OF THE PROPOSED WORK.
  - THE PROPOSED PROJECT INCLUDES THE MODIFICATION OF EXISTING BERTHS TO ACCOMMODATE A NEW CLASS OF FAST RESPONSE CUTTERS (FRC'S) INCLUDING SIX 154' FRC'S AND ONE 87' WPB CUTTER (NOT SHOWN FOR CLARITY). NO NEW BERTHS OR INCREASE IN BERTHING AREAS ARE PROPOSED.
  - REFER TO BASE BOSTON SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN FOR CONTINGENCY PLAN FOR OIL SPILLS.

LEGEND:

---	MLW (EL. 1.34')
---	MHW (EL. 10.83')
---	HTL (EL. 13.42')
---	100-FT BUFFER ZONE
---	2-FT CONTOURS
---	FEMA FLOOD BOUNDARY, ZONE X/ZONE VE (VE FLOOD EL. 19.5')
E	EXISTING ELECTRICAL UTILITY (X DENOTES UNDERDECK)
S	EXISTING SANITARY SEWER (X DENOTES UNDERDECK)
D	EXISTING STORMWATER DRAINAGE
U	EXISTING UNKNOWN UTILITY
W	EXISTING POTABLE WATER (X DENOTES UNDERDECK)
C	EXISTING TELECOMMUNICATION UTILITY
x	EXISTING LIGHT POST
WP11	WORKING POINT AND ID

REMOVALS PLAN



SUMMARY OF DIRECT IMPACTS TO BE REMOVED				
ITEM	COASTAL BANK (CMR 10.30)		LAND UNDER OCEAN (CMR 10.25)	
	IMPACT AREA (SF)	FILL VOLUME BELOW HTL (CY)	IMPACT AREA (SF)	FILL VOLUME BELOW HTL (CY)
PIER 2 SUPPORT PILES			164 SF	220 CY
PIER 2 FENDER PILES			118 SF	108 CY
WHARF 3 SUPPORT PILES	49 SF	52 CY	61 SF	64 CY
PIER 2 ALPHA FLOATING DOCK PILES				
PIER 2 BRAVO FLOATING DOCK PILES				
PIER 3 ALPHA FLOATING DOCK PILES			8 SF	10 CY
ACCESS PLATFORMS AND GANGWAYS (5) TOTAL				
BULKHEAD				
<b>TOTAL</b>	<b>49 SF</b>	<b>52 SF</b>	<b>351 SF</b>	<b>402 CY</b>

SUMMARY OF INDIRECT IMPACTS TO BE REMOVED		
ITEM	COASTAL BANK (CMR 10.30)	LAND UNDER OCEAN (CMR 10.25)
	IMPACT AREA (SF)	IMPACT AREA (SF)
PIER 2		21150 SF
PIER 2 FENDER PILES		
WHARF 3	6480 SF	9774 SF
PIER 2 ALPHA FLOATING DOCK		
PIER 2 BRAVO FLOATING DOCK		
PIER 3 ALPHA FLOATING DOCK		1055 SF
ACCESS PLATFORM AND GANGWAYS		
BULKHEAD		
<b>TOTAL</b>	<b>6480 SF</b>	<b>31979 SF</b>

G:\PROJECTS\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NOI\G-004 REMOVALS PLAN\DWG LAYOUT: G-004 REMOVALS PLAN 9/03/2021 4:20PM DIMSCALE: 20 R24.1



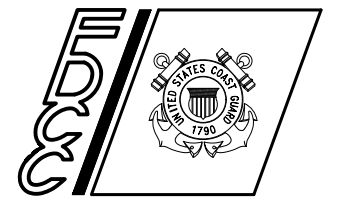


Walsh Construction  
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NORFOLK, VIRGINIA 23513-2431

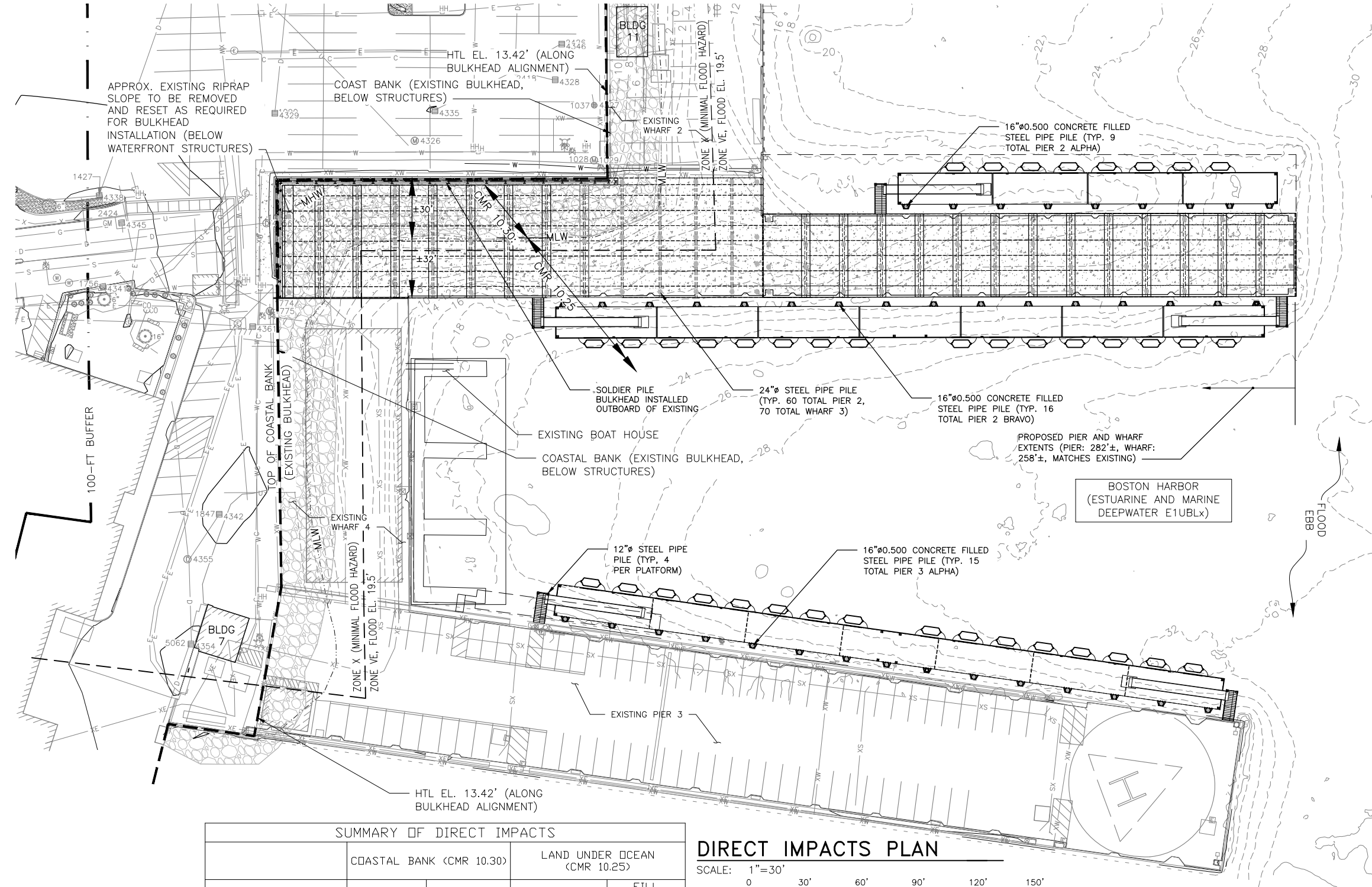
ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
CAD FILE NAME: G-003 G-005 G-006.dwg  
DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: GTH  
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1

SHEET TITLE  
**FRC HOMEPORTING BASE BOSTON**  
BOSTON MA  
**GENERAL DIRECT IMPACTS PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	
PROJECT NUMBER	DRAWING NUMBER	
<b>19195378</b>	<b>TBD</b>	
DISCIPLINE/SHT NO	SHEET 6 OF 25	
<b>G-006</b>		

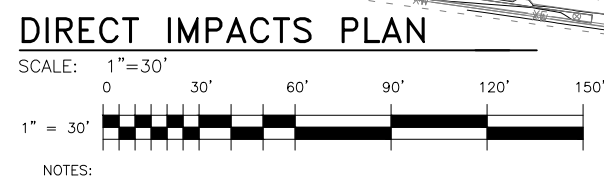


**LEGEND:**

---	MLW (EL. 1.34')
---	MHW (EL. 10.83')
---	HTL (EL. 13.42')
---	100-FT BUFFER ZONE
---	2-FT CONTOUR
---	FEMA FLOOD BOUNDARY, ZONE X/ZONE VE (VE FLOOD EL. 19.5')
---	EXISTING ELECTRICAL UTILITY (X DENOTES UNDERDECK)
---	EXISTING SANITARY SEWER (X DENOTES UNDERDECK)
---	EXISTING STORMWATER DRAINAGE
---	EXISTING UNKNOWN UTILITY
---	EXISTING POTABLE WATER (X DENOTES UNDERDECK)
---	EXISTING TELECOMMUNICATION UTILITY
---	DIRECT IMPACT TO RESOURCE AREA
---	CMR 10.25 LAND UNDER OCEAN RESOURCE AREA (310 CMR 10.25)
---	CMR 10.30 COASTAL BANK RESOURCE AREA (310 CMR 10.30)

**SUMMARY OF DIRECT IMPACTS**

ITEM	COASTAL BANK (CMR 10.30)		LAND UNDER OCEAN (CMR 10.25)	
	IMPACT AREA (SF)	FILL VOLUME BELOW HTL (CY)	IMPACT AREA (SF)	FILL VOLUME BELOW HTL (CY)
PIER 2 SUPPORT PILES			189 SF	255 CY
PIER 2 FENDER PILES			39 SF	52 CY
WHARF 3 SUPPORT PILES	88 SF	93 CY	132 SF	139 CY
PIER 2 ALPHA FLOATING DOCK PILES			13 SF	17 CY
PIER 2 BRAVO FLOATING DOCK PILES			22 SF	31 CY
PIER 3 ALPHA FLOATING DOCK PILES			21 SF	28 CY
ACCESS PLATFORMS AND GANGWAYS (5) TOTAL			16 SF	22 CY
BULKHEAD	720 SF	91 CY		
<b>TOTAL</b>	<b>808 SF</b>	<b>184 CY</b>	<b>432 SF</b>	<b>544 CY</b>

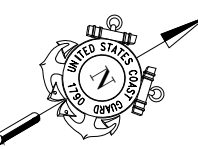
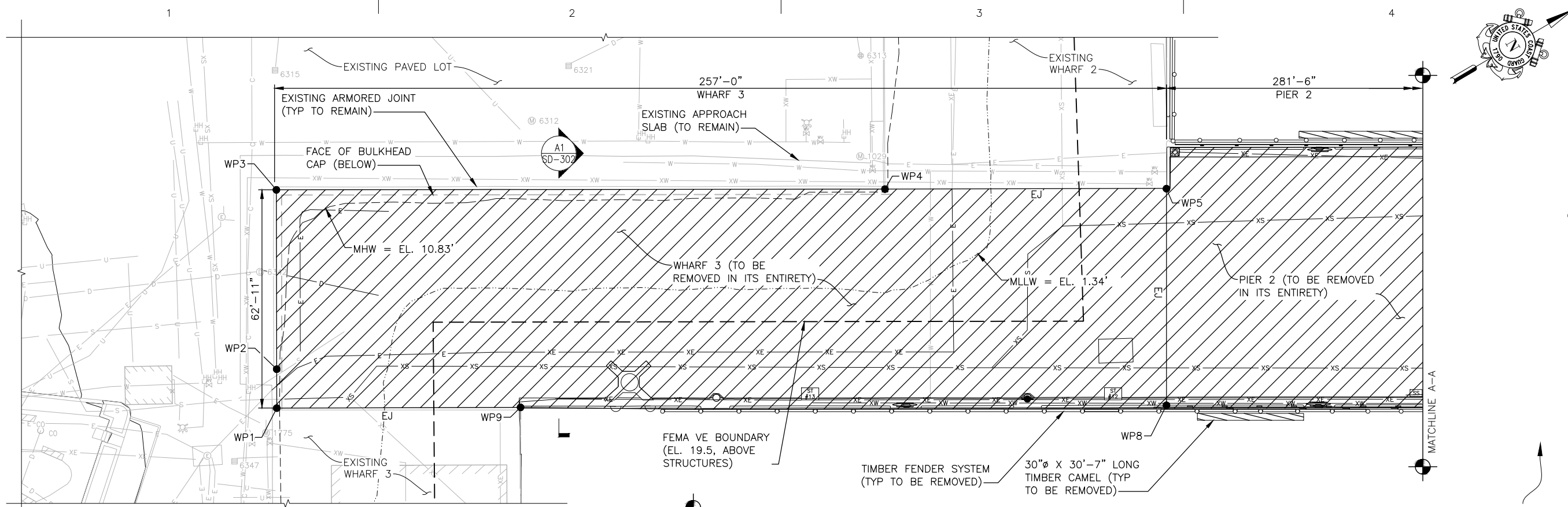


- NOTES:
- EXISTING SURVEY DATA BASED ON PLAN TITLED FRC HOMEPORTING BASE BOSTON BY DOUCET SURVEY LLC, JUNE 2021.
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  - DOMINANT HYDRIC SOIL CONDITIONS WERE NOT OBSERVED AT THE SITE.
  - DOMINANCE OF WETLAND VEGETATION WAS NOT ASSESSED FOR THIS PROJECT. NO WETLAND VEGETATION IS PRESENT.
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  - THE PROPOSED PROJECT INCLUDES THE MODIFICATION OF EXISTING BERTHS TO ACCOMMODATE A NEW CLASS OF FAST RESPONSE CUTTERS (FRC'S) INCLUDING SIX 154' FRC'S AND ONE 87' WPB CUTTER (NOT SHOWN FOR CLARITY). NO NEW BERTHS OR INCREASE IN BERTHING AREAS ARE PROPOSED.
  - REFER TO BASE BOSTON SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN FOR CONTINGENCY PLAN FOR OIL SPILLS.
  - INTERIOR RENOVATIONS TO BUILDING 14 AND BUILDING 16 ARE LOCATED OUTSIDE OF THE 100' WETLAND BUFFER ZONE (COASTAL BANK) AND FEMA VELOCITY ZONE (VE 13) AND ARE NOT SHOWN FOR CLARITY.

G:\016\BOSTON\PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NOI\G-003 G-005 G-006.DWG LAYOUT: G-006.BELOW DECK IMPACT PLAN 9/03/2021 4:21PM DIMSCALE: 20 R24.1



G:\PROJECTS\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\SD-101.DWG LAYOUT: SD-101 STRUCTURAL DEMOLITION PLAN - 1 9/03/2021 4:21PM DIMSCALE: 20 R24.1



**Walsh Construction**  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
 781-793-9988

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**FACILITIES DESIGN & CONSTRUCTION CENTER**  


5505 ROBIN HOOD ROAD SUITE K  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378
CAD FILE NAME: SD-101.dwg
DESIGNED BY: WMM
DRAWN BY: BRB
EDITED BY: GTH
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA

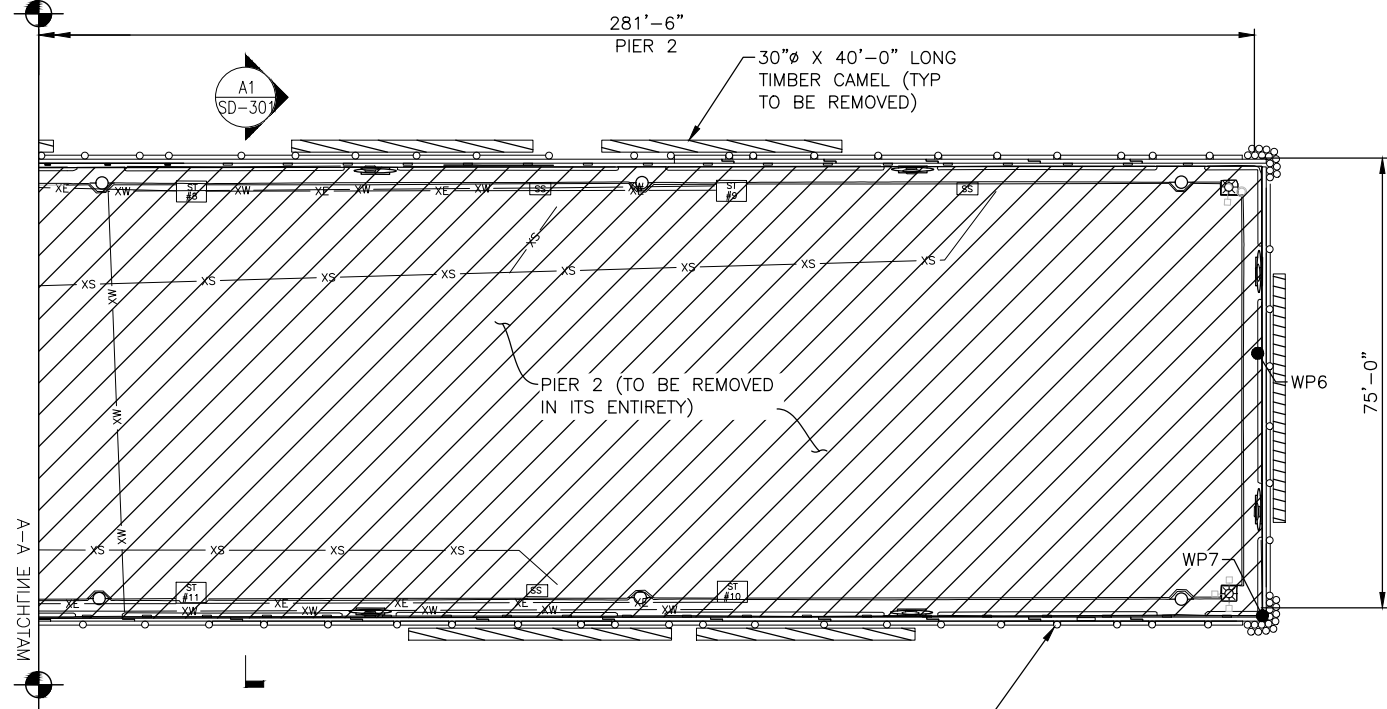
**STRUCTURAL DEMOLITION**  
**STRUCTURAL DEMOLITION PLAN - 1**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER	DATE
-------------------	------









PROJECT NUMBER	DRAWING NUMBER
19195378	TBD

DISCIPLINE/SHT NO	SHEET	OF	TOTAL SHEETS
SD-101	8	OF	25



**PIER 2 & WHARF 3 ABOVE DECK DEMOLITION PLAN**  
 0-003 SD-101 SCALE: 1/16" = 1'-0"



- LEGEND:**
-  MOORING BOLLARD
  -  MOORING CLEAT
  -  SHORE-TIE STATION/POWER MOUND WITH SAFETY BOLLARDS
  -  SANITARY SEWER PUMPOUT STATION WITH SAFETY BOLLARDS
  -  LIGHT POLE
  -  JIB CRANE
  -  WP1 WORKING POINT
  -  EJ EXPANSION JOINT

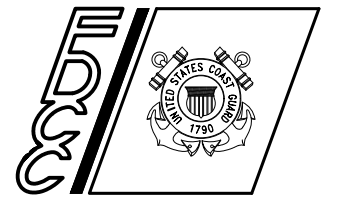
- NOTES:**
- GEOMETRY SHOWN FOR DEMOLITION REFERENCE ONLY. PIER 2 & WHARF 3 SHALL BE REMOVE IN THEIR ENTIRETY. PILES THAT ARE NOT ABLE TO BE REMOVED MUST BE CUT OR BROKEN OFF A MINIMUM OF 2 FEET BELOW THE MUDLINE, OR 4 FEET BELOW THE DREDGE ELEVATION IN BERTH AREAS.
  - CONTRACTOR SHALL EXERCISE EXTREME CARE DURING DEMOLITION OPERATIONS TO NOT DESTABILIZE THE EXISTING BULKHEAD, UPLAND AREA, OR ADJACENT STRUCTURES THAT ARE TO REMAIN.
  - EXISTING LOADING CONDITIONS FOR PIER 2 AND WHARF 3 ARE AS FOLLOWS:
    - UNIFORM LIVE LOAD: 300 PSF
    - OUTRIGGER LOAD OVER PILE CAP: 30 KIP
    - OUTRIGGER LOAD NOT OVER PILE CAP: 25 KIP
    - TRUCK LOADING: HS-20-44
  - UPLAND LOADING WITHIN 15 FEET OF THE BULKHEAD FACE SHALL BE LIMITED TO 50 PSF, AFTER REMOVAL OF EXISTING WHARF BATTER PILES, AND PRIOR TO COMPLETION OF THE NEW BULKHEAD. CONTRACTOR SHALL PROVIDE SHORING AS NECESSARY TO SUPPORT THE EXISTING BULKHEAD, UNTIL THE NEW BULKHEAD IS COMPLETELY CONSTRUCTED AND LATERALLY RESTRAINED BY THE NEW WHARF.

- PIER 2 DEMOLITION QUANTITIES (21,150 SF):**
- (64) 12.75" CONCRETE FILLED STEEL PIPE PILES, ASSUME 85' LONG
  - (10) 12.75" CONCRETE FILLED STEEL PIPE BATTER PILES, ASSUME 85' LONG
  - (160) 10.75" CONCRETE FILLED STEEL PIPE PILES, ASSUME 75' LONG
  - (30) 10.75" CONCRETE FILLED STEEL PIPE BATTER PILES, ASSUME 75' LONG
  - (2100 LF) 14"x24" CONCRETE PILE CAPS
  - (19,700 SF) 10" CONCRETE OVERLAY
  - (7,600 SF) 8" CONCRETE DECK
  - (13,500 SF) 10" CONCRETE DECK
  - (~94) 14"Ø X 65' LONG TIMBER FENDER PILES
  - (4) 14"Ø X 65' LONG FRP FENDER PILES
  - (640 LF) 8X10 TIMBER WALES
  - (530 LF) 8X10 TIMBER CHOCKS
  - (280 LF) 30"Ø TIMBER CAMELS
- WHARF 3 DEMOLITION QUANTITIES (16,254 SF):**
- (189) 10.75" CONCRETE FILLED STEEL PIPE PILES, ASSUME 70' LONG
  - (13) 10.75" CONCRETE FILLED STEEL PIPE BATTER PILES, ASSUME 70' LONG
  - (1700 LF) 14"x24" CONCRETE PILE CAPS
  - (15,400 SF) 10" CONCRETE OVERLAY
  - (10,200 SF) 8" CONCRETE DECK
  - (6,300 SF) 10" CONCRETE DECK
  - (~13) 14"Ø X 65' LONG TIMBER FENDER PILES
  - (180 LF) 8X10 TIMBER WALES
  - (160 LF) 8X10 TIMBER CHOCKS

CONSULTANTS  
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5505 ROBIN HOOD ROAD SUITE K  
NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378
CAD FILE NAME: SD-102.dwg
DESIGNED BY: WMM
DRAWN BY: BRB
EDITED BY: GTH
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
SHEET TITLE

**FRC HOMEPORTING BASE BOSTON**  
BOSTON MA

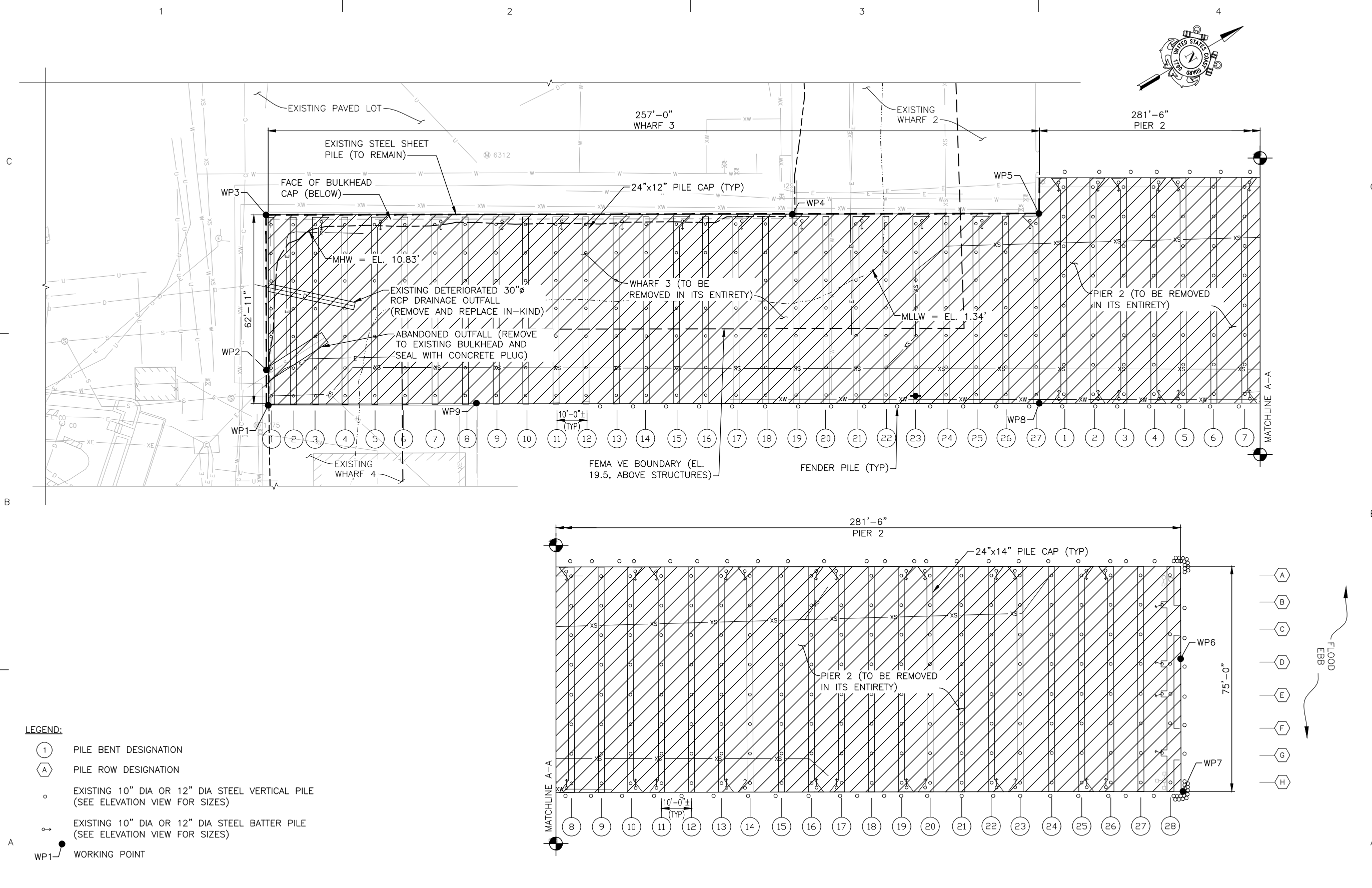
**STRUCTURAL DEMOLITION STRUCTURAL DEMOLITION PLAN - 2**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

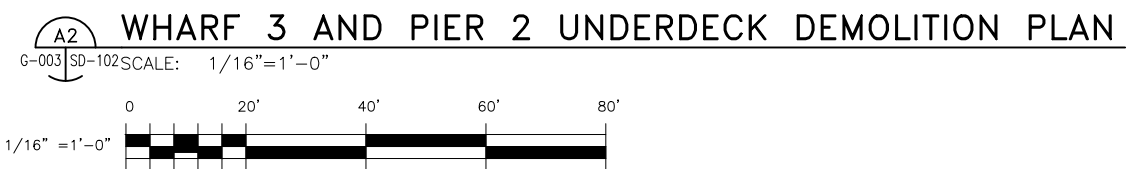
PROJECT NUMBER	DRAWING NUMBER
19195378	TBD

DISCIPLINE/SHT NO	SHEET	OF	TOTAL SHEETS
SD-102	9	OF	25



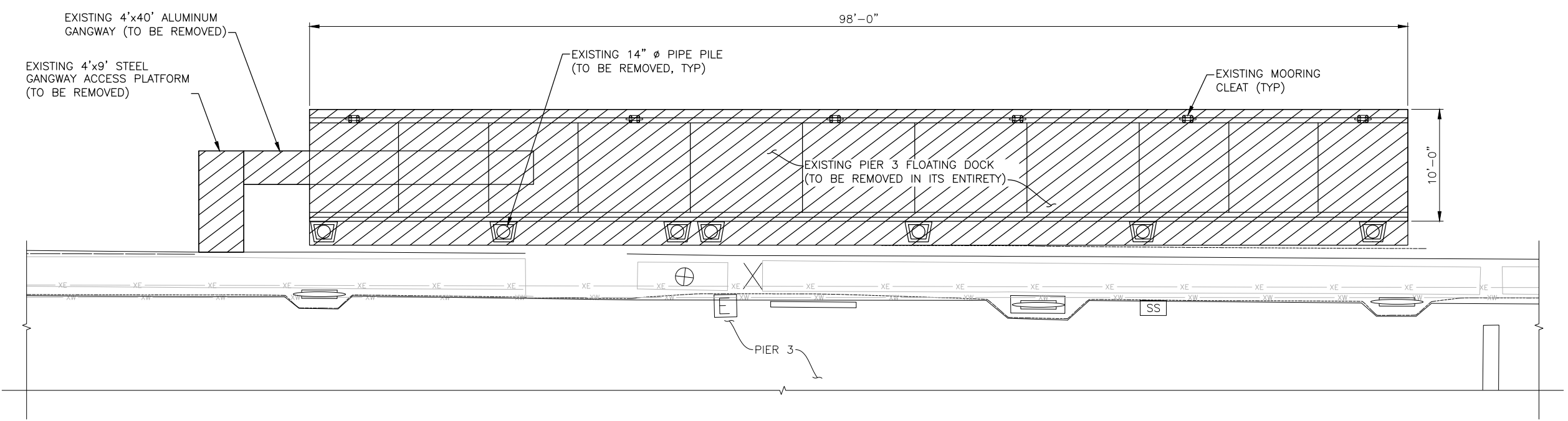
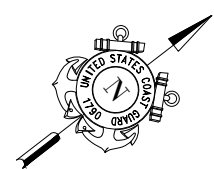
- LEGEND:**
- ① PILE BENT DESIGNATION
  - Ⓐ PILE ROW DESIGNATION
  - EXISTING 10" DIA OR 12" DIA STEEL VERTICAL PILE (SEE ELEVATION VIEW FOR SIZES)
  - EXISTING 10" DIA OR 12" DIA STEEL BATTER PILE (SEE ELEVATION VIEW FOR SIZES)
  - WP1 WORKING POINT

- NOTES:**
- GEOMETRY SHOWN FOR DEMOLITION REFERENCE ONLY. PIER 2 & WHARF 3 SHALL BE REMOVE IN THEIR ENTIRETY. PILES THAT DO NOT CONFLICT WITH NEW WORK MAY BE CUT OR BROKEN OFF A MINIMUM OF 2 FEET BELOW THE MUDLINE, OR 4 FEET BELOW THE DREDGE DEPTH IN BERTHING AREAS.



G:\07\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\SD-102.DWG LAYOUT: SD-102 STRUCTURAL DEMOLITION PLAN - 2 9/03/2021 4:21PM DIMSCALE: 1/16"=1'-0"

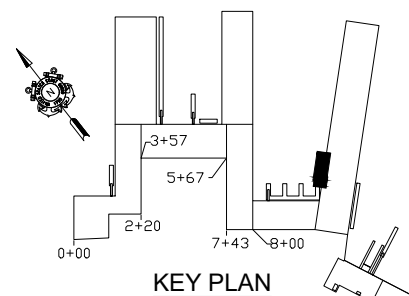
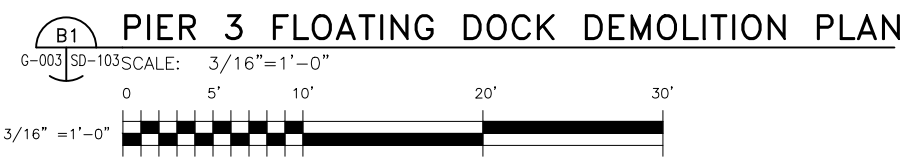
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**NOTES:**

GEOMETRY SHOWN FOR DEMOLITION REFERENCE ONLY. PIER 3 FLOATING DOCK SHALL BE REMOVED IN ITS ENTIRETY. PILES THAT DO NOT CONFLICT WITH NEW WORK MAY BE CUT OR BROKEN OFF A MINIMUM OF 2 FEET BELOW THE MUDLINE, OR 4 FEET BELOW THE DREDGE DEPTH IN BERTHING AREAS.

1.



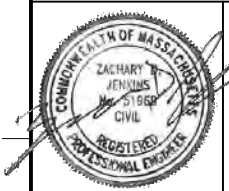
Walsh Construction  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
 781-793-9988

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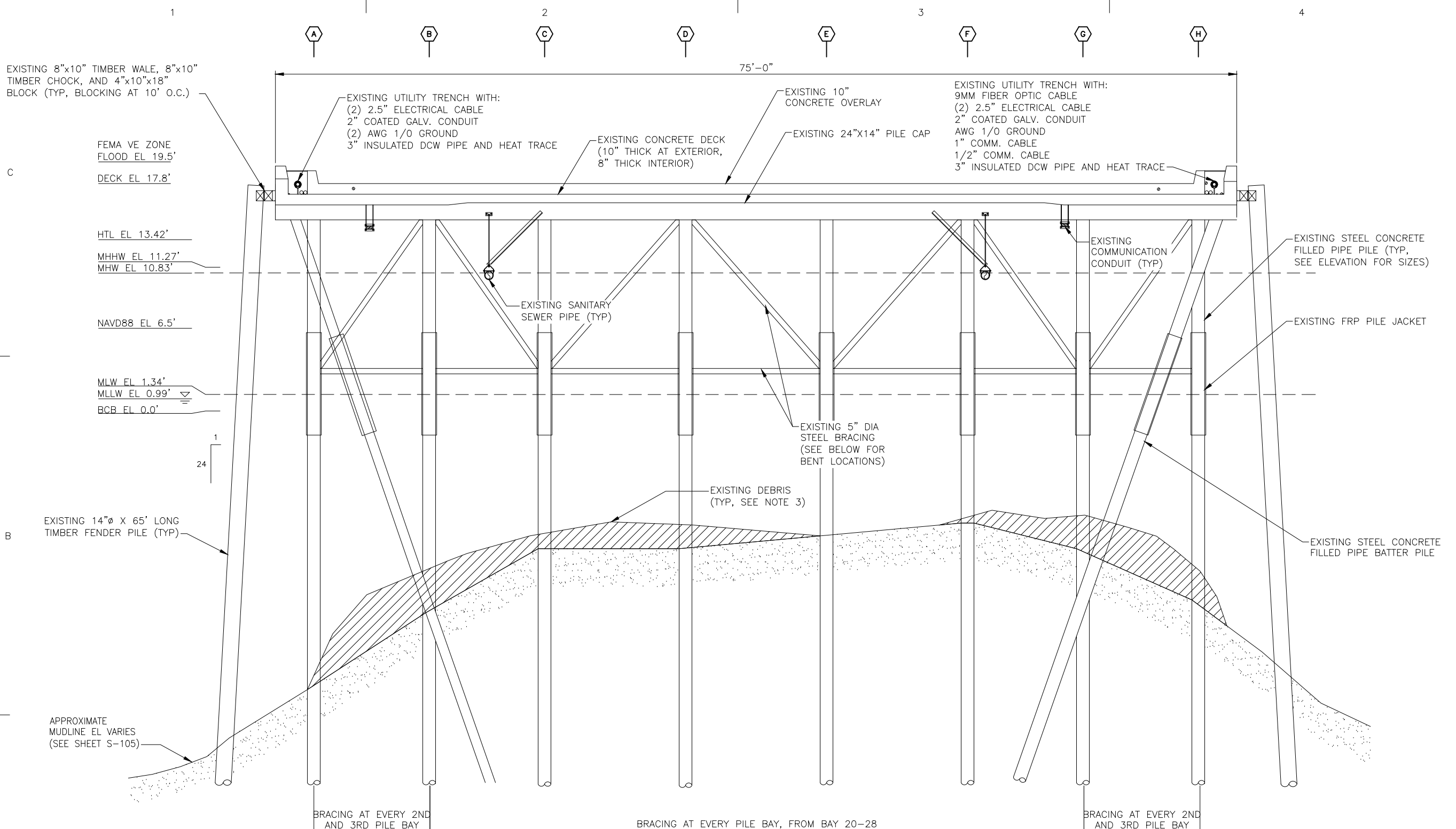
5505 ROBIN HOOD ROAD SUITE K  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

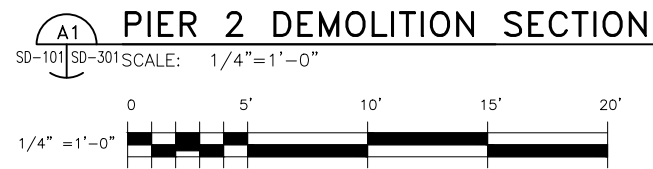
A/E PROJECT NO: 19195378
CAD FILE NAME: SD-103.dwg
DESIGNED BY: WMM
DRAWN BY: BRB
EDITED BY: GTH
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1		
SHEET TITLE		
<b>FRC HOMEPORTING BASE BOSTON</b>		
BOSTON		MA
<b>STRUCTURAL DEMOLITION PIER 3 FLOATING DOCK DEMOLITION PLAN</b>		
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	
PROJECT NUMBER	DRAWING NUMBER	
19195378	TBD	
DISCIPLINE/SHT NO	SHEET 10 OF 25	
SD-103		





- NOTES:**
1. GEOMETRY SHOWN FOR DEMOLITION REFERENCE ONLY. PIER 2 & WHARF 3 SHALL BE REMOVED IN THEIR ENTIRETY. PILES THAT DO NOT INTERFERE WITH THE NEW CONSTRUCTION MAY BE CUT OR BROKEN OFF A MINIMUM OF 2 FEET BELOW THE MUDLINE, OR 4 FEET BELOW THE DREDGE DEPTH IN BERTHING AREAS.
  2. REFER TO ARCHIVE DRAWINGS INCLUDED IN PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION INCLUDING REINFORCING DETAILS.
  3. STEEL DEBRIS, PRIMARILY REMNANT PIPE BRACING, WAS OBSERVED BELOW PIER 2 AND WHARF 3. THE DEBRIS WAS HEAVILY CONCENTRATED ALONG THE SOUTH SIDE OF THE STRUCTURES, BETWEEN PILE ROWS D AND H, AND SPORADICALLY LOCATED ON THE NORTH SIDE OF THE STRUCTURES BETWEEN PILE ROWS A AND C. ASSUME A TOTAL OF 20 TONS OF STEEL DEBRIS IS LOCATED BELOW THE STRUCTURES. REFER TO THE APPENDIX IN THE PROJECT SPECIFICATIONS FOR IMAGES OF THE DEBRIS. DEBRIS SHALL BE REMOVED AS NECESSARY FOR NEW PILE INSTALLATION.



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ISSUE		
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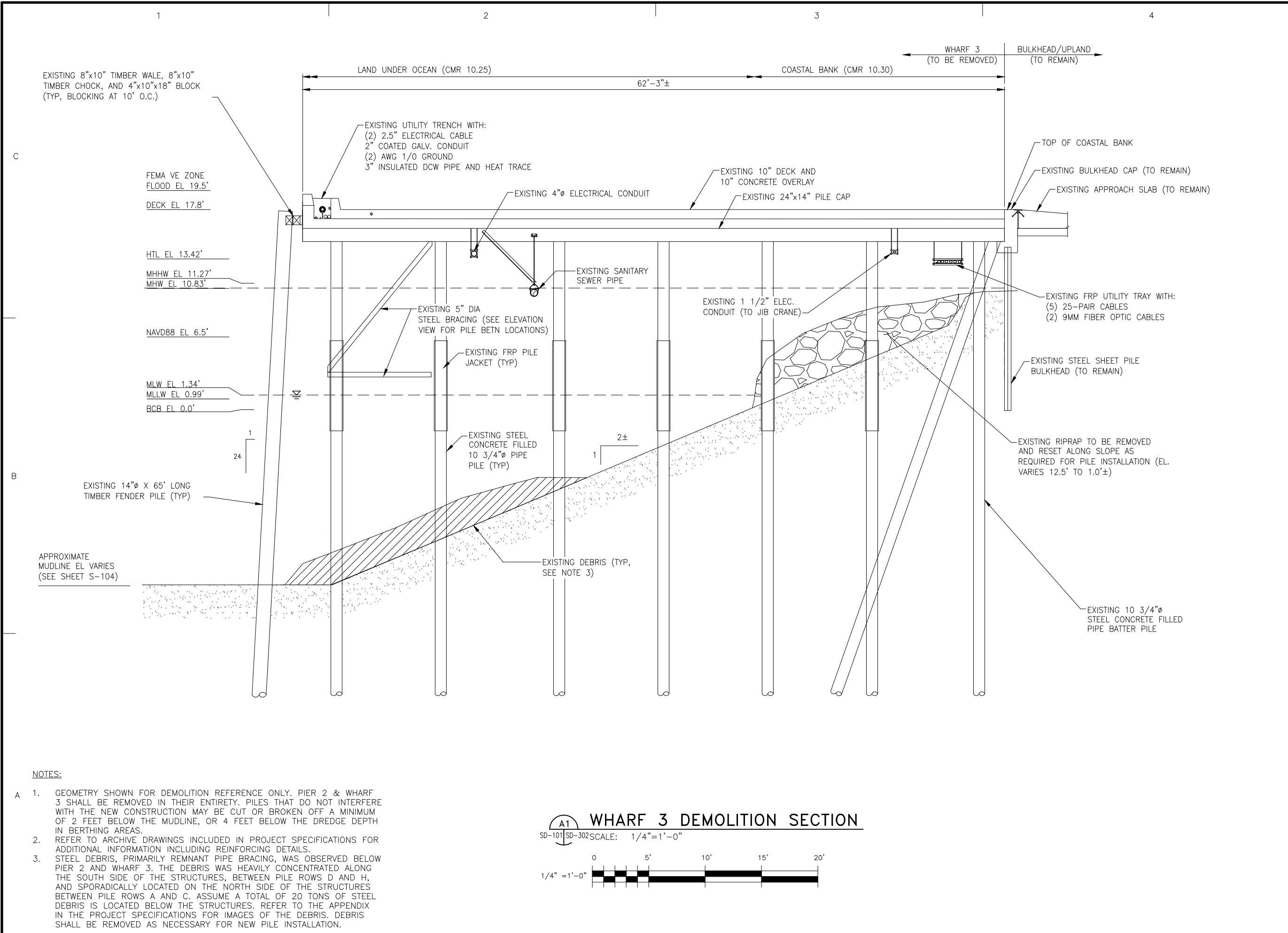
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DESIGNED BY:	WMM
DRAWN BY:	BRB
EDITED BY:	GTH
CHECKED BY:	ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1

SHEET TITLE  
**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL DEMOLITION SECTION - 1**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

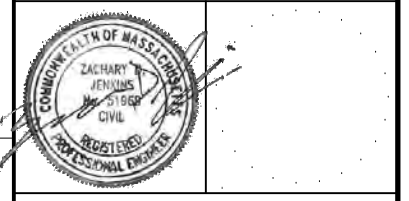
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<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET 11 OF 25
<b>SD-301</b>	



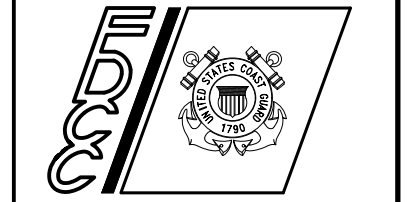
Walsh Construction  
100 RIVER RIDGE DR, NORWOOD MA 02062  
781-793-9988

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**COLLINS ENGINEERS**  
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ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	19195378
CAD FILE NAME:	SD-302.dwg
DESIGNED BY:	WMM
DRAWN BY:	BRB
EDITED BY:	GTH
CHECKED BY:	ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1

SHEET TITLE  
**FRC HOMEPORTING  
BASE BOSTON**  
BOSTON MA

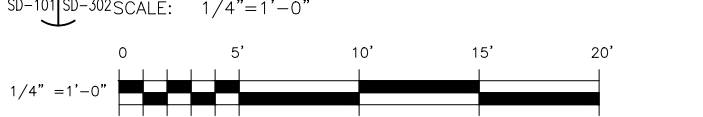
STRUCTURAL DEMOLITION  
SECTION - 2

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

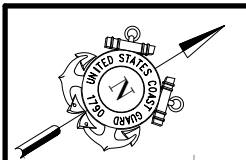
PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET
SD-302	12 OF 25

- NOTES:
1. GEOMETRY SHOWN FOR DEMOLITION REFERENCE ONLY. PIER 2 & WHARF 3 SHALL BE REMOVED IN THEIR ENTIRETY. PILES THAT DO NOT INTERFERE WITH THE NEW CONSTRUCTION MAY BE CUT OR BROKEN OFF A MINIMUM OF 2 FEET BELOW THE MUDLINE, OR 4 FEET BELOW THE DREDGE DEPTH IN BERTHING AREAS.
  2. REFER TO ARCHIVE DRAWINGS INCLUDED IN PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION INCLUDING REINFORCING DETAILS.
  3. STEEL DEBRIS, PRIMARILY REMNANT PIPE BRACING, WAS OBSERVED BELOW PIER 2 AND WHARF 3. THE DEBRIS WAS HEAVILY CONCENTRATED ALONG THE SOUTH SIDE OF THE STRUCTURES, BETWEEN PILE ROWS D AND H, AND SPORADICALLY LOCATED ON THE NORTH SIDE OF THE STRUCTURES BETWEEN PILE ROWS A AND C. ASSUME A TOTAL OF 20 TONS OF STEEL DEBRIS IS LOCATED BELOW THE STRUCTURES. REFER TO THE APPENDIX IN THE PROJECT SPECIFICATIONS FOR IMAGES OF THE DEBRIS. DEBRIS SHALL BE REMOVED AS NECESSARY FOR NEW PILE INSTALLATION.

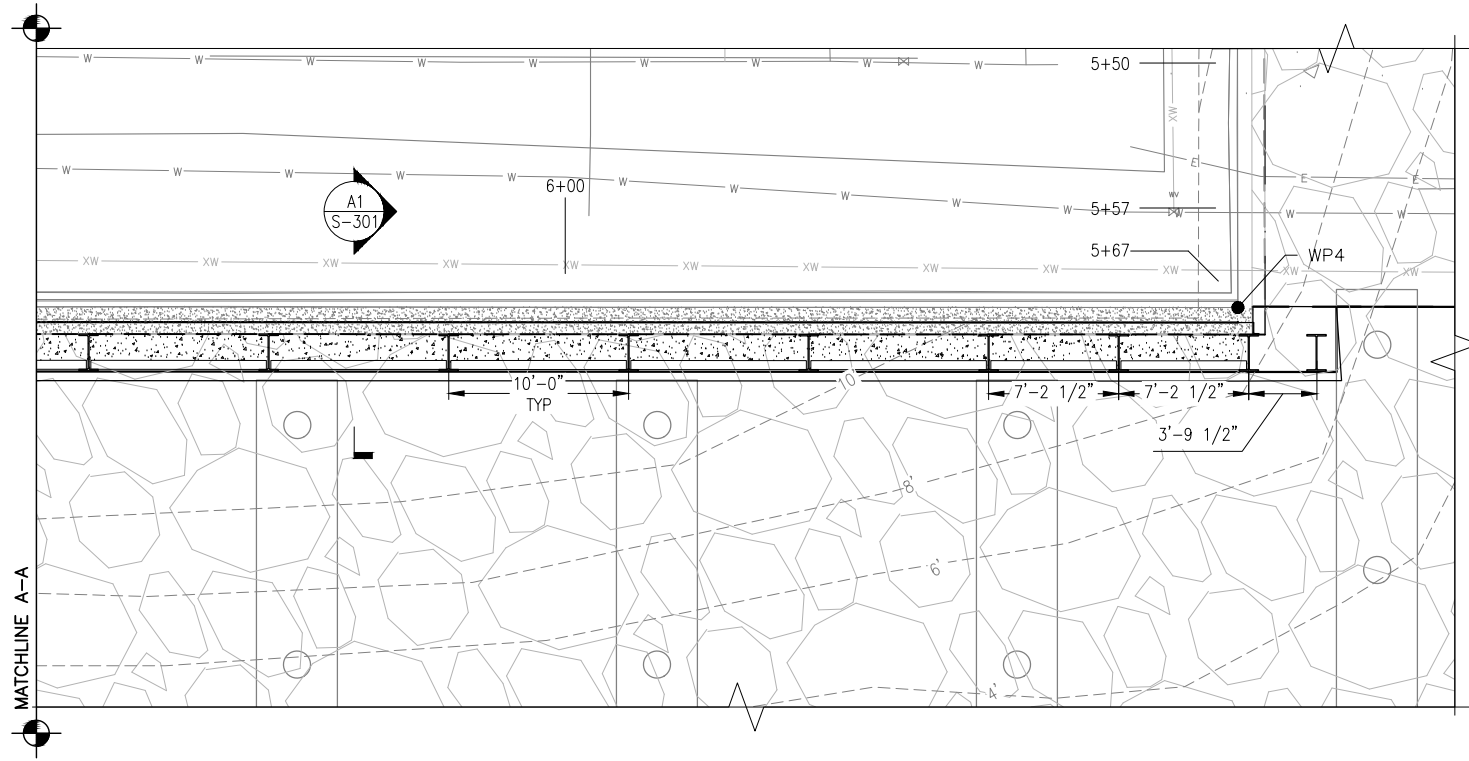
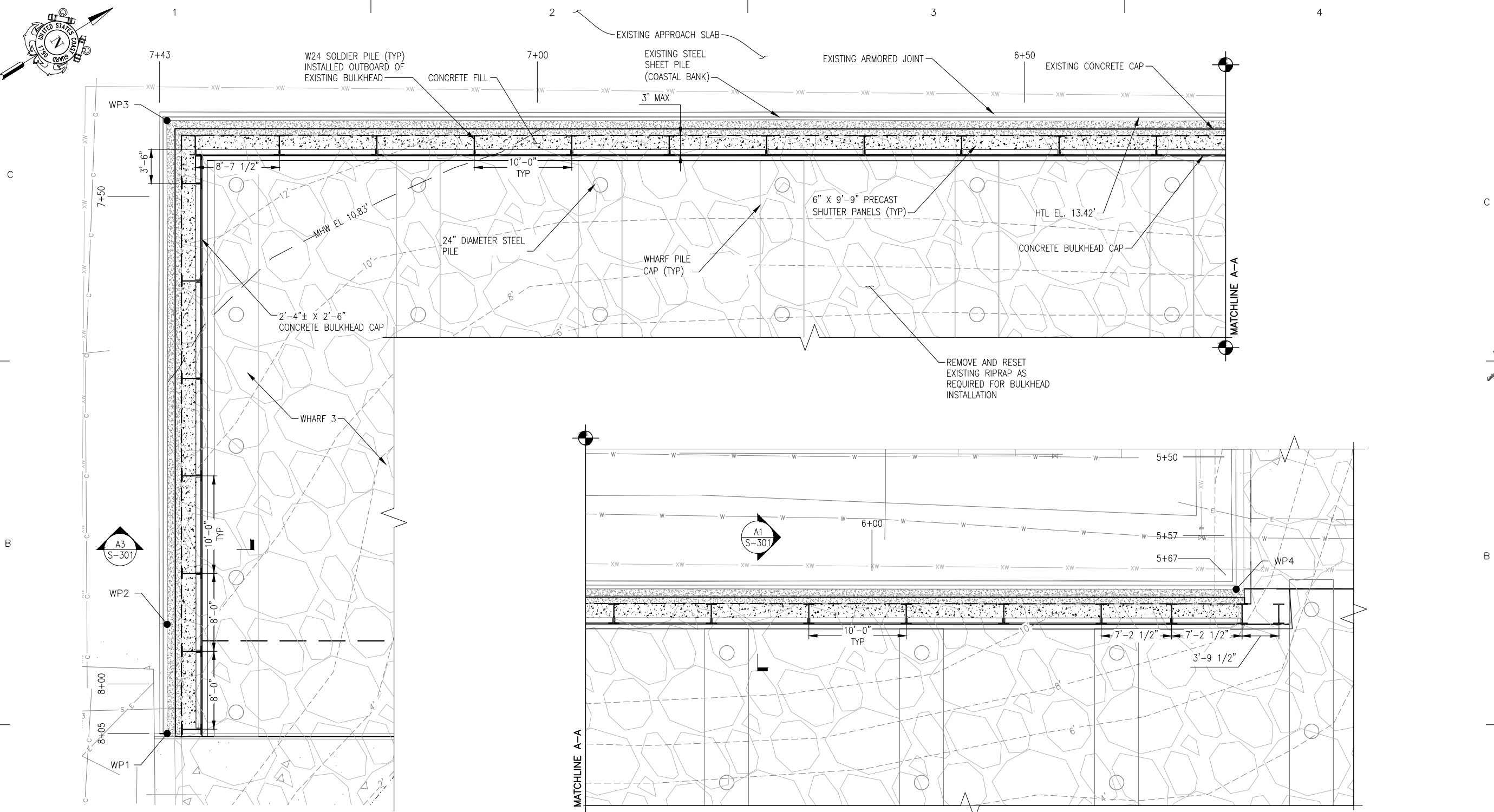
**WHARF 3 DEMOLITION SECTION**



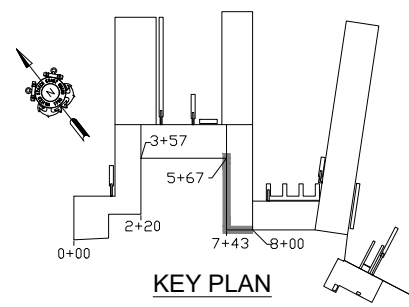
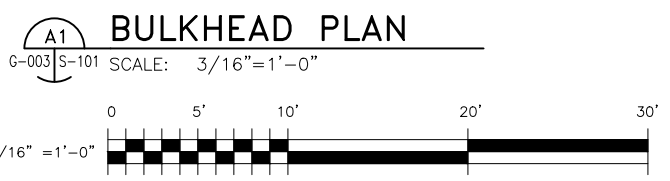
G:\07\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\SD-302.DWG LAYOUT: SD-302 STRUCTURAL DEMOLITION SECTION - 2 - 9/03/2021 4:21PM DIMSCALE: 0 R24.1



G:\0711\NASINI-NH\REGULAR PROJECTS\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-101 BULKHEAD PLAN.DWG LAYOUT: S-101 BULKHEAD PLAN 9/03/2021 4:21PM DIMSCALE: 1/32=1'



- LEGEND:**
- 0+00 BULKHEAD STATIONING
  - WP24 SOLDIER PILE
  - WP1 WORKING POINT
  - MHW (EL. 10.83')
  - 1' MUDLINE/RIPRAP ELEVATION



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ISSUE		
MARK	DATE	DESCRIPTION

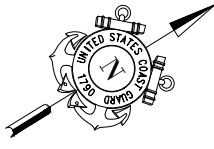
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CAD FILE NAME: S-101 BULKHEAD PLAN.dwg  
DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: GTH  
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
SHEET TITLE

**FRC HOMEPORTING BASE BOSTON**  
BOSTON MA  
**STRUCTURAL BULKHEAD PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

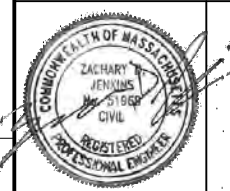
PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET
<b>S-101</b>	<b>13 OF 25</b>



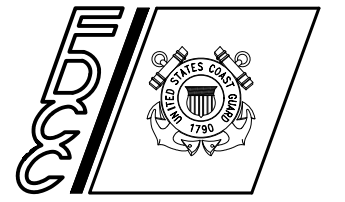
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MARK	DATE	DESCRIPTION

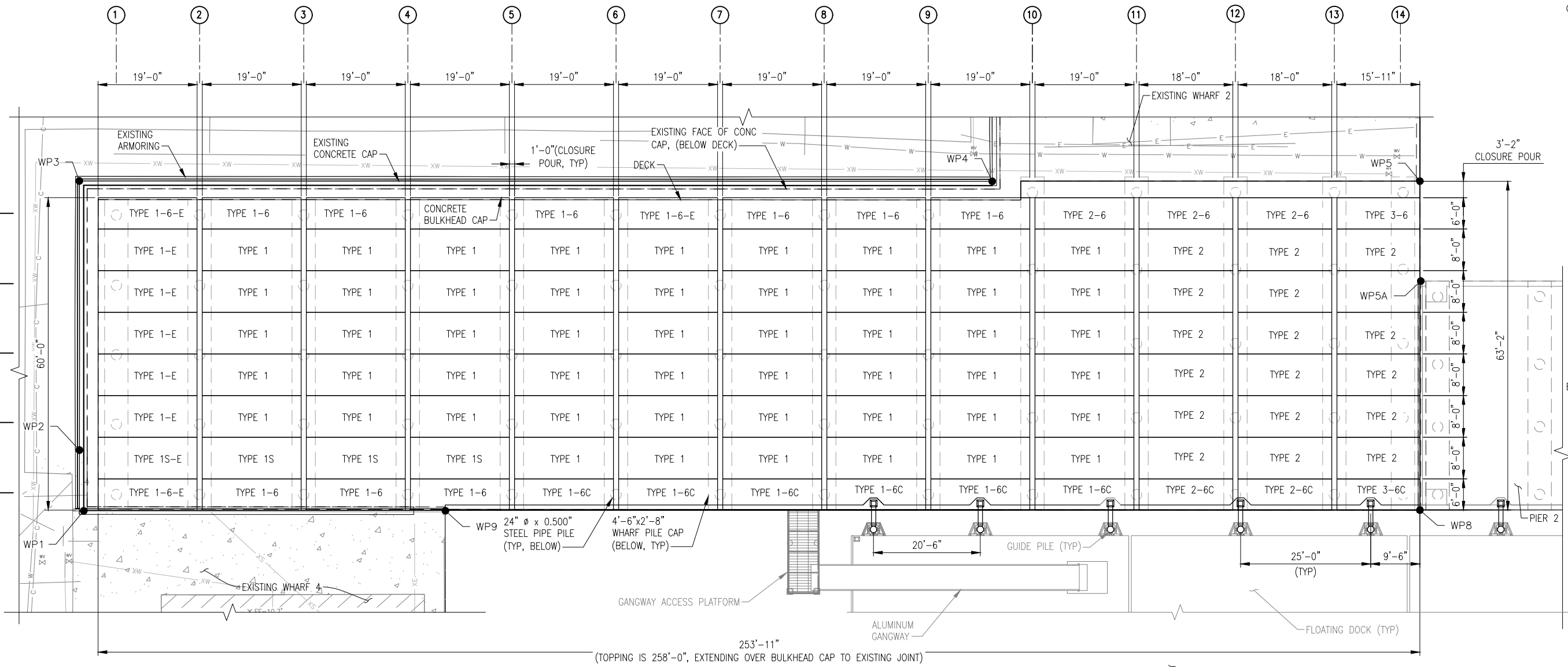
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DESIGNED BY: WMM  
DRAWN BY: BRB  
EDITED BY: GTH  
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1

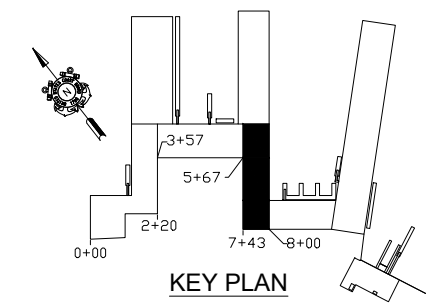
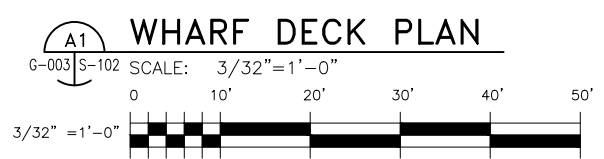
SHEET TITLE  
**FRC HOMEPORTING  
BASE BOSTON**  
BOSTON MA  
**STRUCTURAL  
WHARF 3 DECK PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET
<b>S-102</b>	<b>14 OF 25</b>



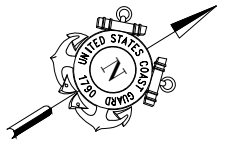
- LEGEND:**
- ① PILE BENT DESIGNATION
  - Ⓐ PILE ROW DESIGNATION
  - WP1 WORKING POINT
  - TYPE 1 DECK PLANK DESIGNATION



G:\07\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NOV-102 WHARF 3 DECK PLAN.DWG LAYOUT: S-102 WHARF 3 DECK PLAN 9/03/2021 4:21PM DIMSCALE: 1 R24.1



G:\01\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-104 WHARF 3 FRAMING PLAN.DWG LAYOUT: S-104 WHARF 3 FRAMING PLAN.DWG DATE: 9/03/2021 4:22PM DIMSCALE: 1/32"=1'-0"



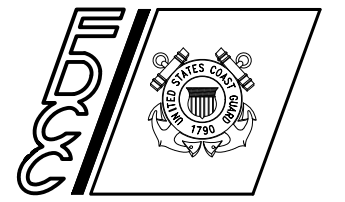
**Walsh Construction**  
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 781-793-9988

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ISSUE		
MARK	DATE	DESCRIPTION

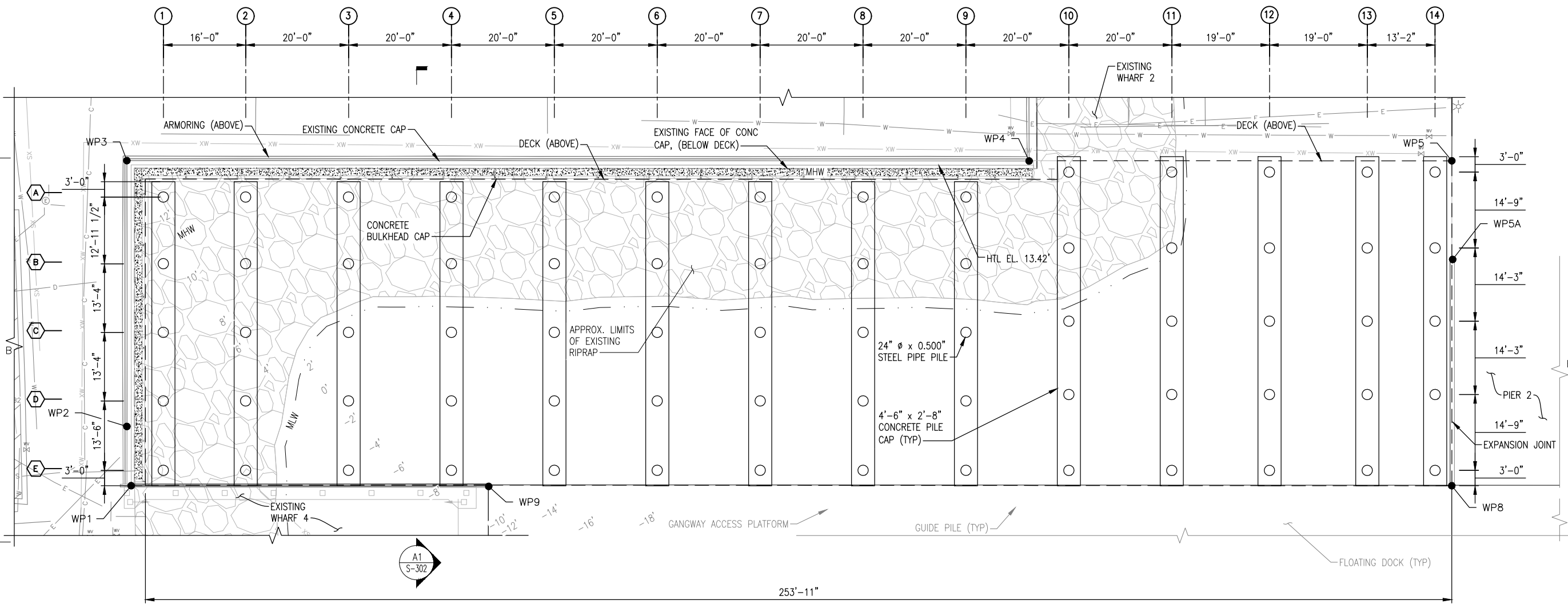
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 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

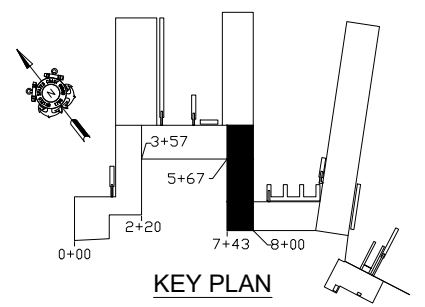
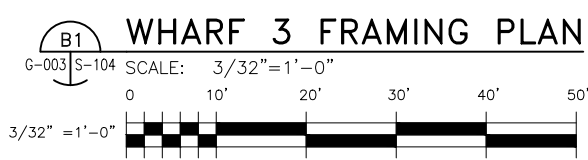
**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL WHARF 3 FRAMING PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

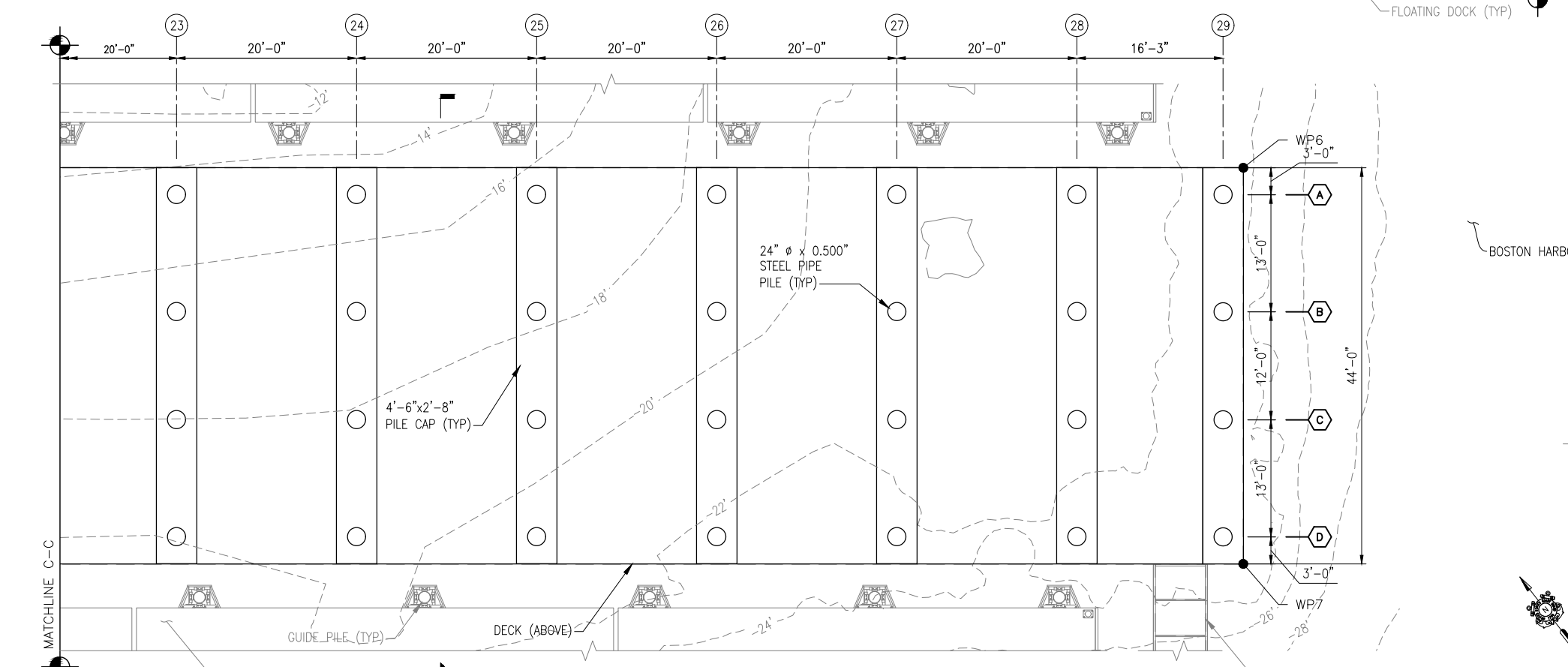
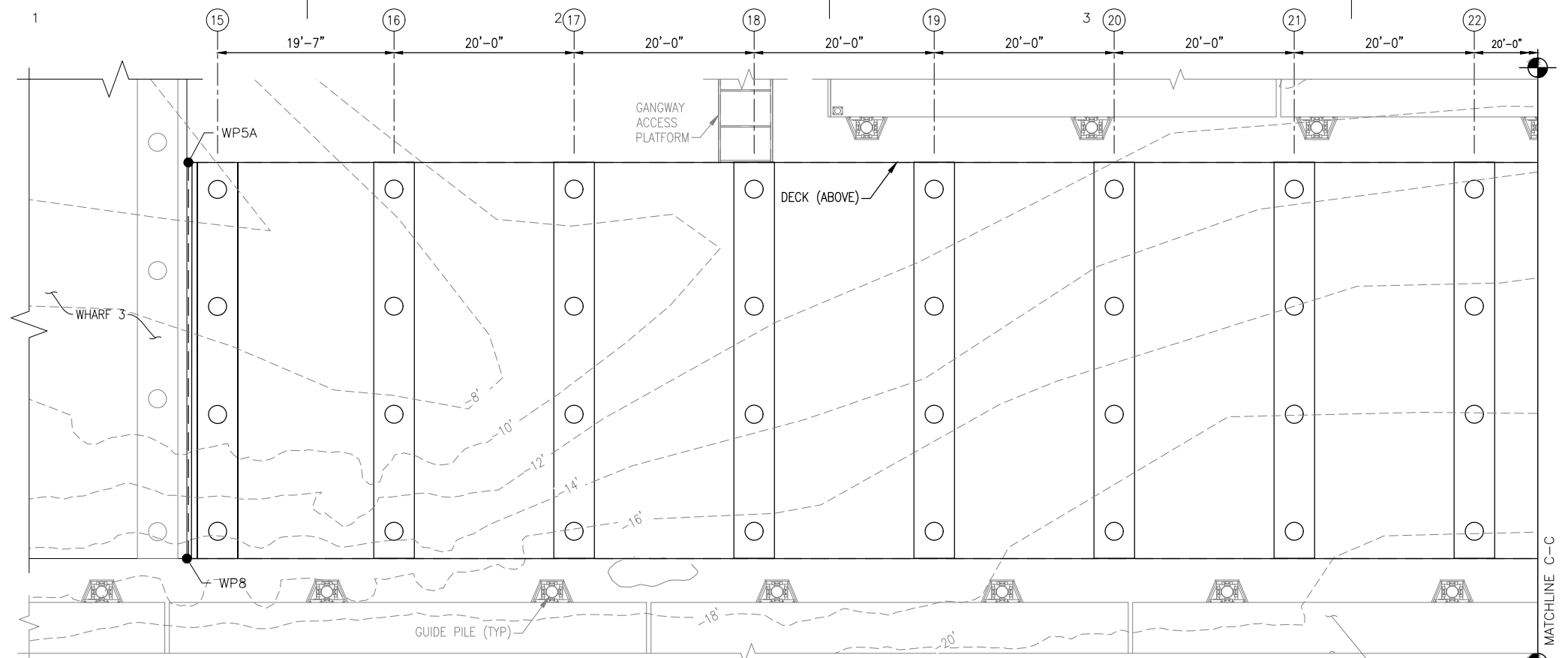
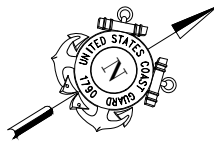
PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET
S-104	16 OF 25



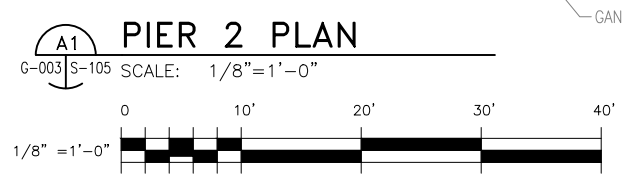
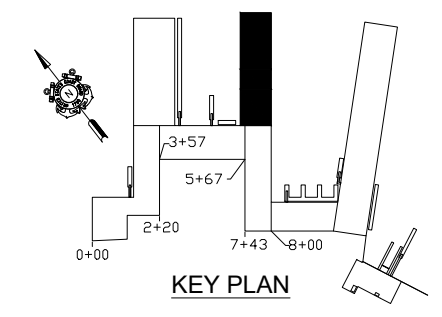
- LEGEND:**
- ① PILE BENT DESIGNATION
  - Ⓐ PILE ROW DESIGNATION
  - WP1 WORKING POINT
  - 24" PIPE PILE
  - MLW (EL. 1.34')
  - MHW (EL. 10.83')
  - - - -1' MUDLINE ELEVATION



G:\01\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-105 PIER 2 FRAMING PLAN 2 FRAMING PLAN.dwg LAYOUT: S-105 PIER 2 FRAMING PLAN 2 FRAMING PLAN 9/03/2021 4:22PM DIMSCALE: 1/8"=1'-0"

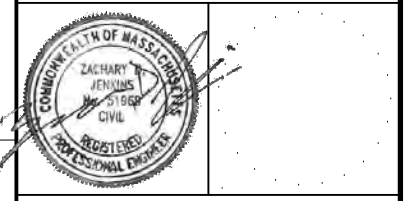


- LEGEND:**
- ① PILE BENT DESIGNATION
  - Ⓐ PILE ROW DESIGNATION
  - WP1 WORKING POINT
  - 24"Ø PIPE PILE
  - - - 1' - MUDLINE ELEVATION



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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-105 PIER 2 FRAMING PLAN.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

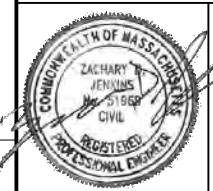
SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL PIER 2 FRAMING PLAN**

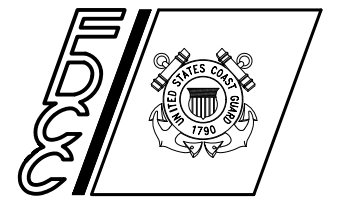
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET
S-105	17 OF 25

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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378
CAD FILE NAME: S-106 FLOATING DOCK PLAN - 1.dwg
DESIGNED BY: WMM
DRAWN BY: BRB
EDITED BY: GTH
CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

**FRC HOMEPORTING  
 BASE BOSTON**  
 BOSTON MA

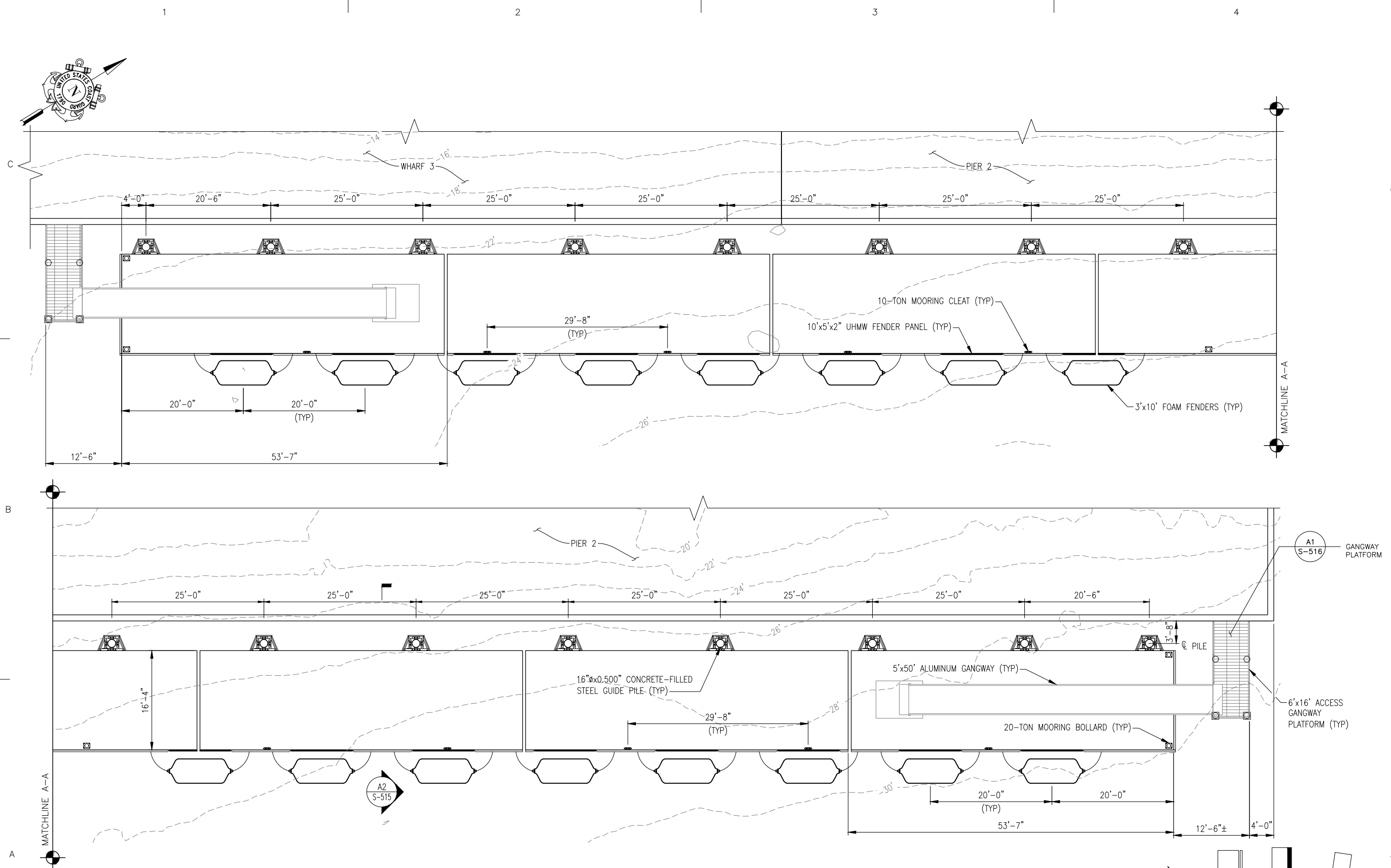
**STRUCTURAL  
 FLOATING DOCK PLAN - 1**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

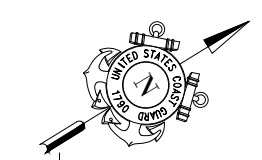
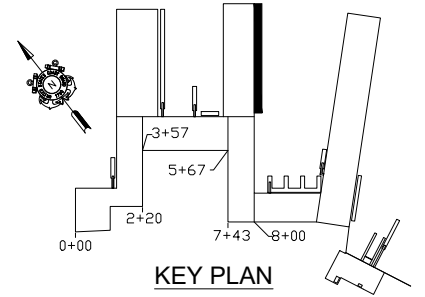
PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>

DISCIPLINE/SHT NO	SHEET	OF	TOTAL
<b>S-106</b>	<b>18</b>	<b>OF</b>	<b>25</b>



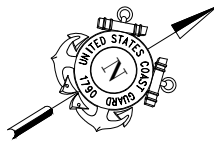
- LEGEND:**
- CLEAT
  - MOORING BOLLARD
  - 16"Øx0.500" CONCRETE FILLED STEEL GUIDE PILE
  - 1' - MUDLINE ELEVATION

**PIER 2 BRAVO FLOATING DOCK PLAN**  
 G-003 S-106 SCALE: 1/8"=1'-0"  
 1/8" = 1'-0"



G:\03\2021\9\03\2021\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\NO\S-106 FLOATING DOCK PLAN - 1.dwg LAYOUT: S-106 FLOATING DOCK PLAN - 1.R24.1





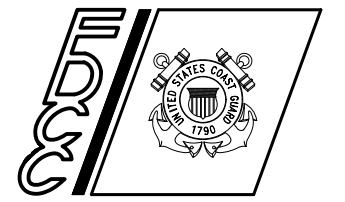
Walsh Construction  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
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5505 ROBIN HOOD ROAD SUITE K  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-107 FLOATING DOCK PLAN - 2.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

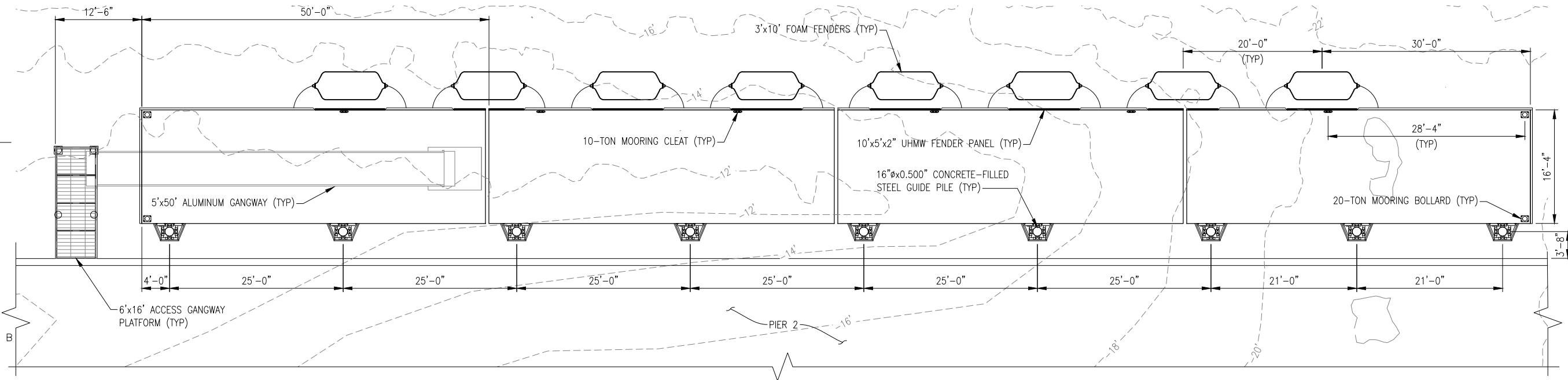
**FRC HOMEPORING  
 BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL  
 FLOATING DOCK PLAN - 2**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

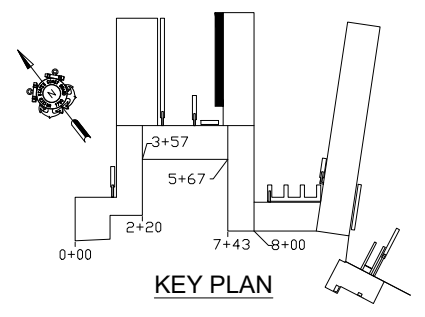
APPROVING OFFICER	DATE
-------------------	------

PROJECT NUMBER	DRAWING NUMBER
19195378	TBD

DISCIPLINE/SHT NO	SHEET	OF	TOTAL SHEETS
S-107	19	OF	25



**B1 PIER 2 ALPHA FLOATING DOCK PLAN**  
 G-003 S-107 SCALE: 1/8" = 1'-0"  
 1/8" = 1'-0"



- LEGEND:
- CLEAT
  - MOORING BOLLARD
  - 16" diameter CONCRETE FILLED STEEL GUIDE PILE
  - 1' MUDLINE ELEVATION

G:\01\15\13122.00 BSU BOSTON\PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-107 FLOATING DOCK PLAN - 2.DWG LAYOUT: S-107 FLOATING DOCK PLAN - 2 9/03/2021 4:22PM DIMSCALE: 1 R24.1



CONSULTANTS

**COLLINS ENGINEERS INC.**  
 650 Ingleton Street, Suite 1 - Portsmouth, NH 03801  
 Tel - 603-334-4742 - www.collinsengr.com

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 FACILITIES DESIGN &  
 CONSTRUCTION CENTER

5505 ROBIN HOOD ROAD SUITE K  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

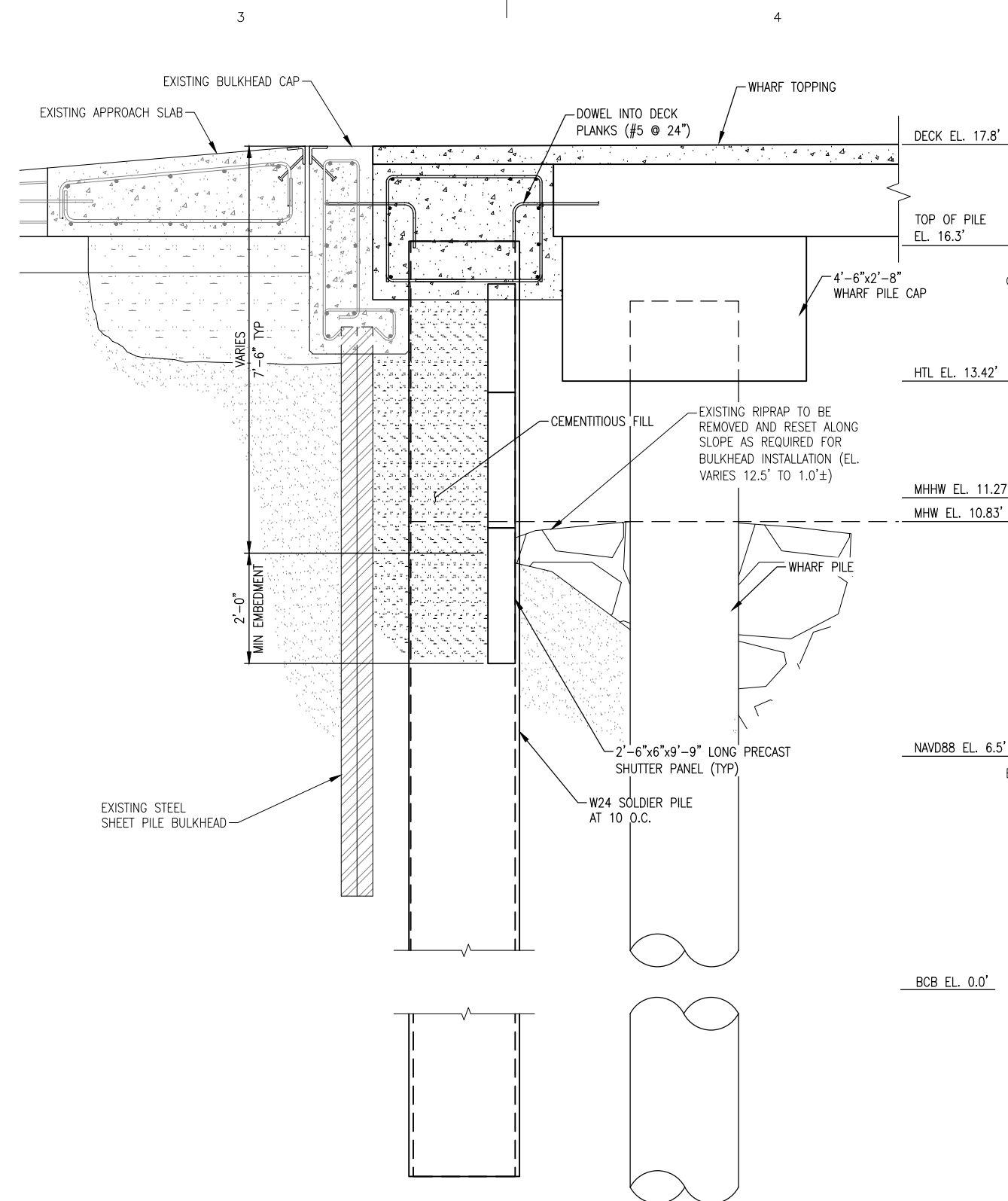
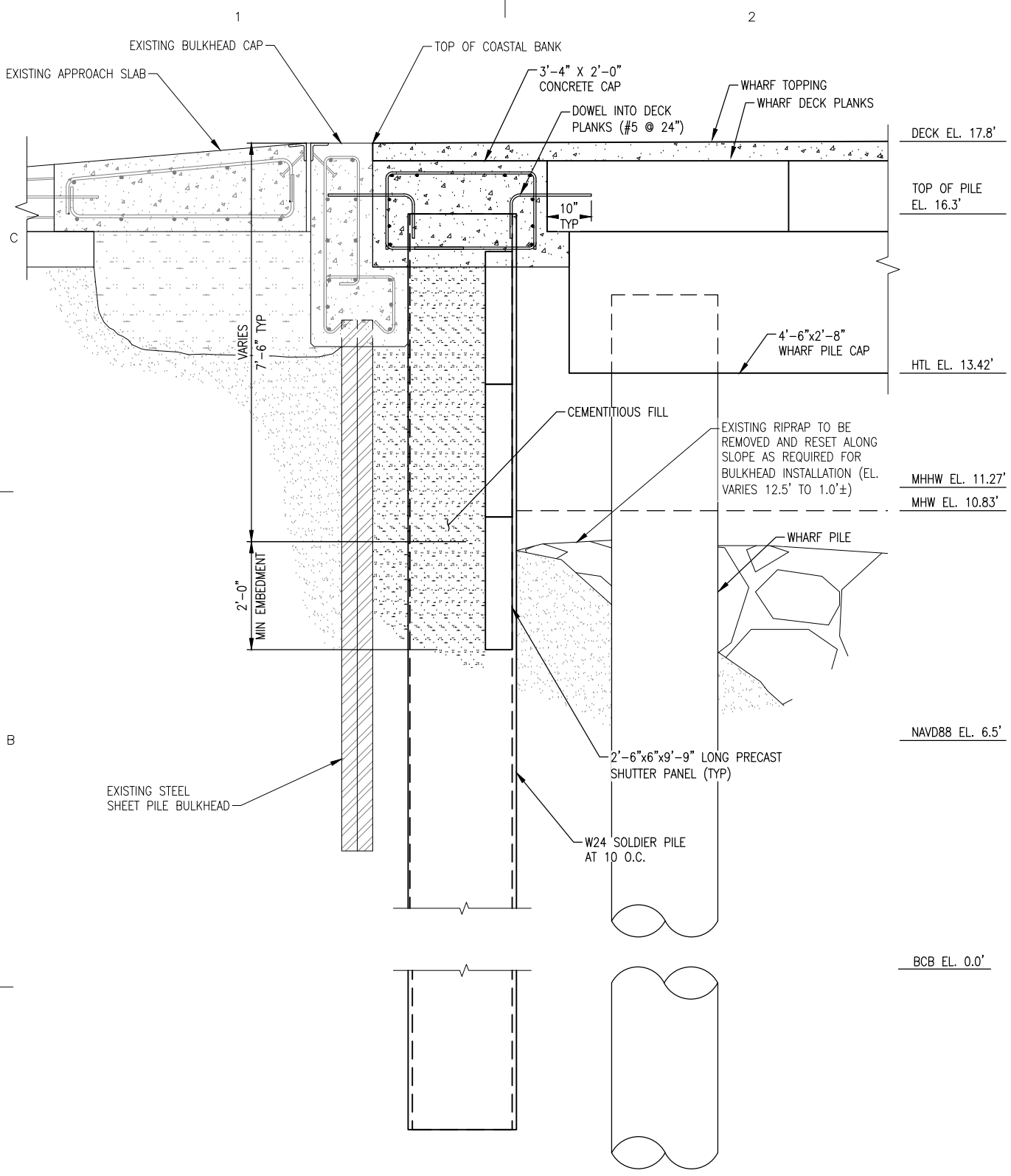
A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-301 BULKHEAD SECTIONS.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

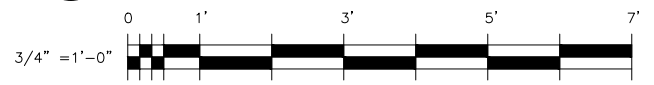
**FRC HOMEPORTING  
 BASE BOSTON**  
 BOSTON MA

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

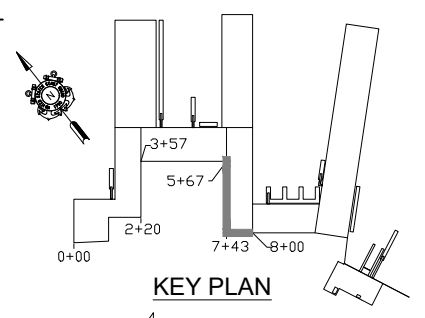
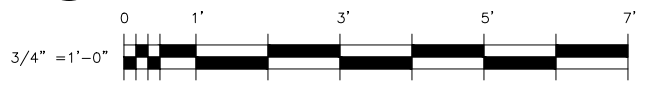
PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET
S-301	21 OF 25



**A1 BULKHEAD SECTION - STATION 5+67 TO 7+43**  
 S-101|S-301 SCALE: 3/4"=1'-0"



**A3 BULKHEAD SECTION - STATION 7+43 TO 8+05**  
 S-101|S-301 SCALE: 3/4"=1'-0"



**KEY PLAN**

G:\01\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-301 BULKHEAD SECTIONS.DWG LAYOUT: S-301 BULKHEAD SECTIONS 9/03/2021 4:22PM DIMSCALE: 1 R24.1

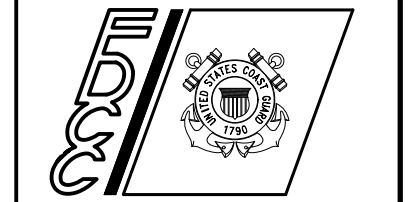
Walsh Construction  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
 781-793-9988

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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-302 WHARF 3 SECTION.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

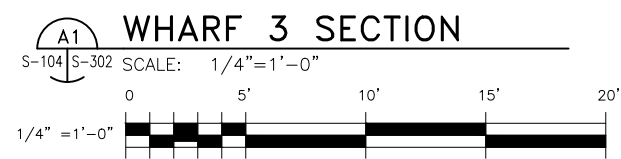
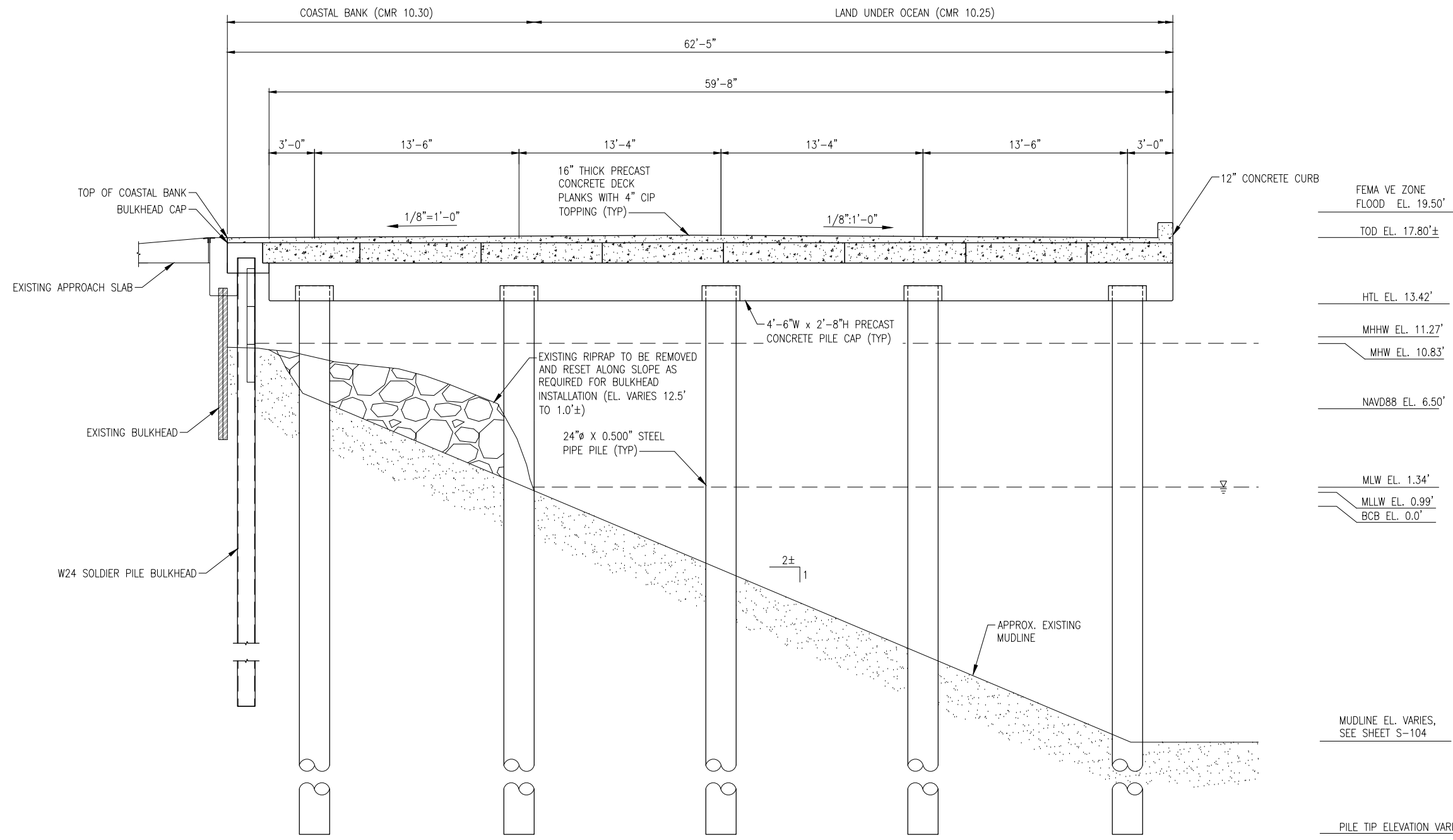
**FRC HOMEPORING  
 BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL  
 WHARF 3 SECTION**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT NUMBER: **19195378** DRAWING NUMBER: **TBD**

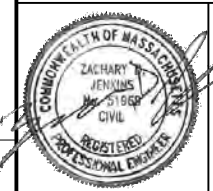
DISCIPLINE/SHT NO: **S-302** SHEET **22** OF **25**



G:\01\15\13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-302 WHARF 3 SECTION.DWG LAYOUT: S-302 WHARF 3 SECTION 9/03/2021 4:22PM DIMSCALE: 1/4"=1'-0"

Walsh Construction  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
 781-793-9988

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ISSUE		
MARK	DATE	DESCRIPTION

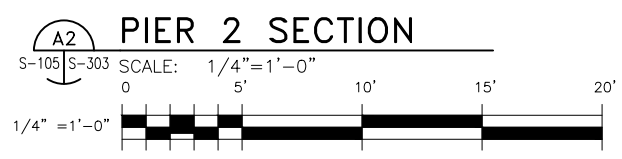
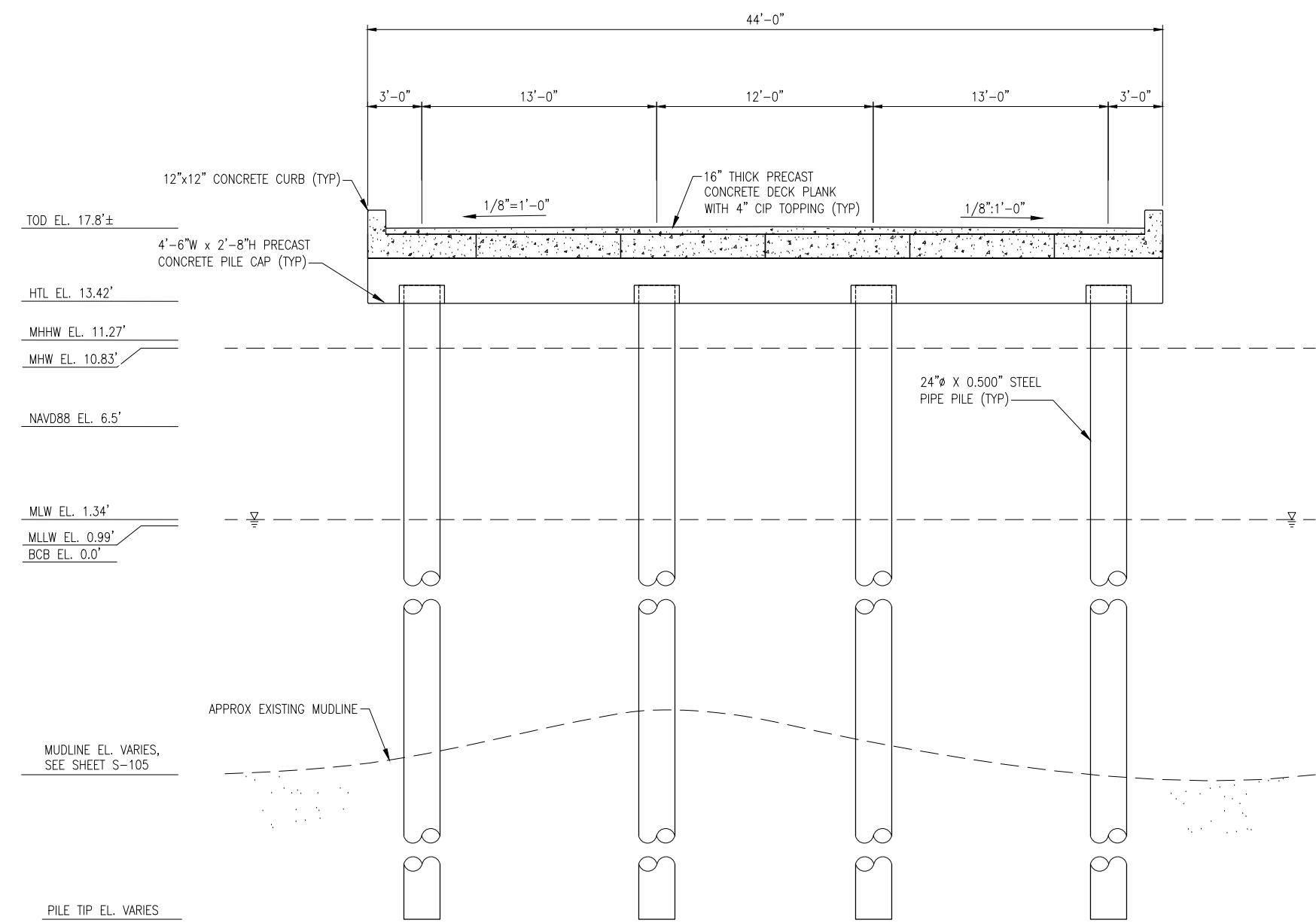
A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-303 PIER 2 SECTIONS.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1

SHEET TITLE  
**FRC HOMEPORTING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL PIER 2 SECTIONS**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET
S-303	23 OF 25



G:\01\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-303 PIER 2 SECTIONS.DWG LAYOUT: S-303 PIER 2 SECTIONS 9/03/2021 4:22PM DIMSCALE: 0 R24.1

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ISSUE		
MARK	DATE	DESCRIPTION

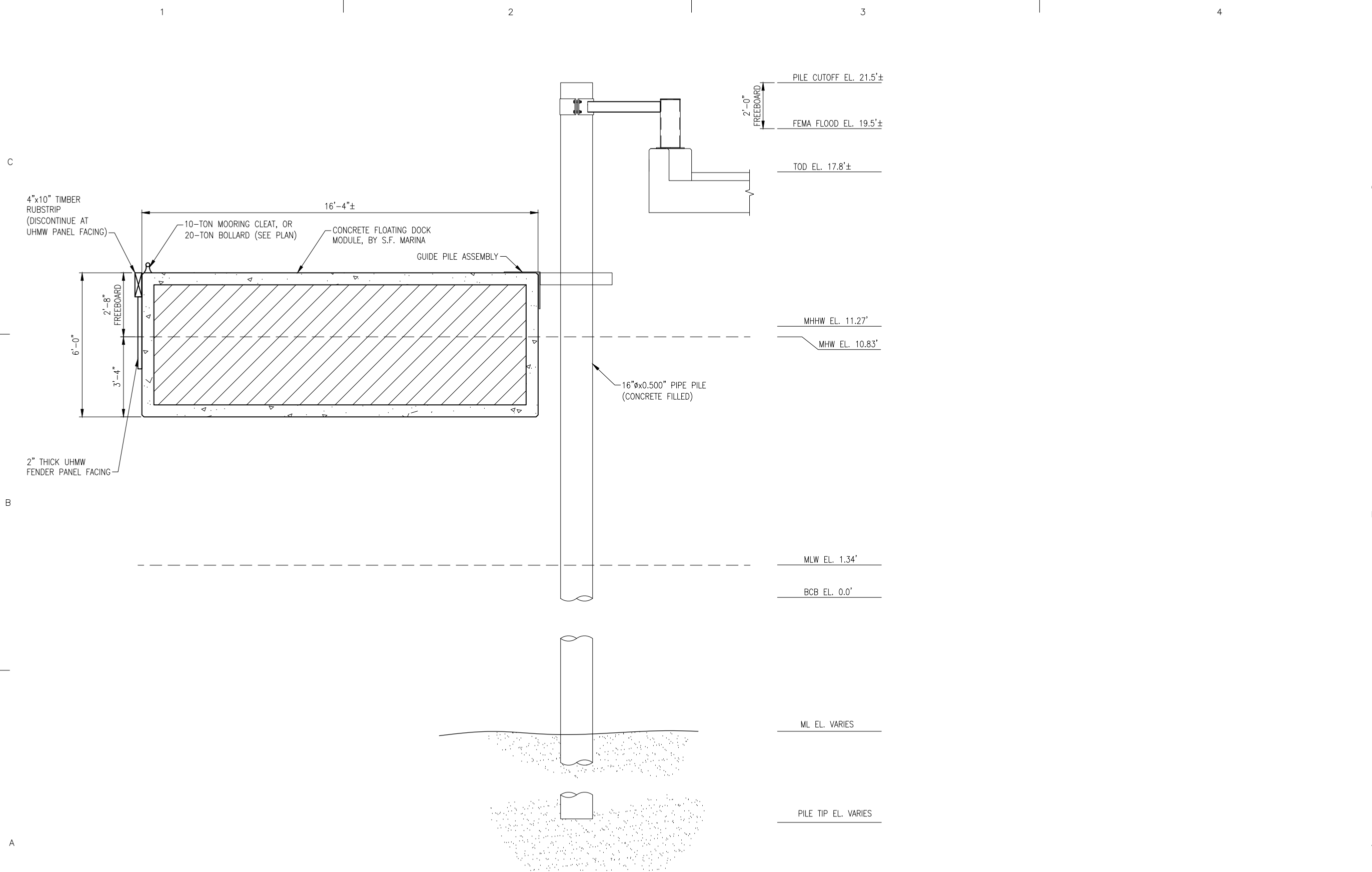
A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-514 FLOATING DOCK DETAILS.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL FLOATING DOCK DETAILS**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

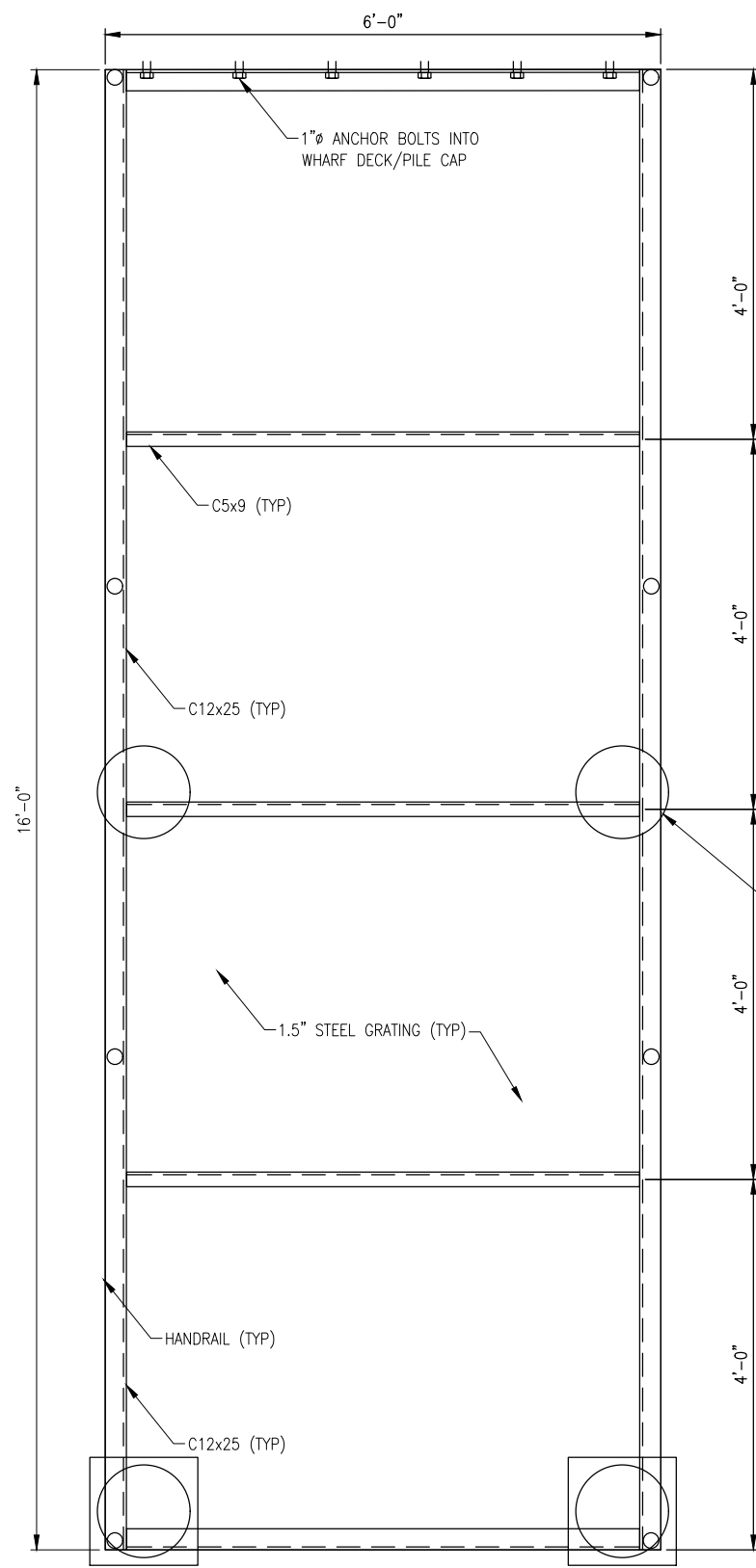
PROJECT NUMBER	DRAWING NUMBER
19195378	TBD
DISCIPLINE/SHT NO	SHEET 24 OF 25
S-514	



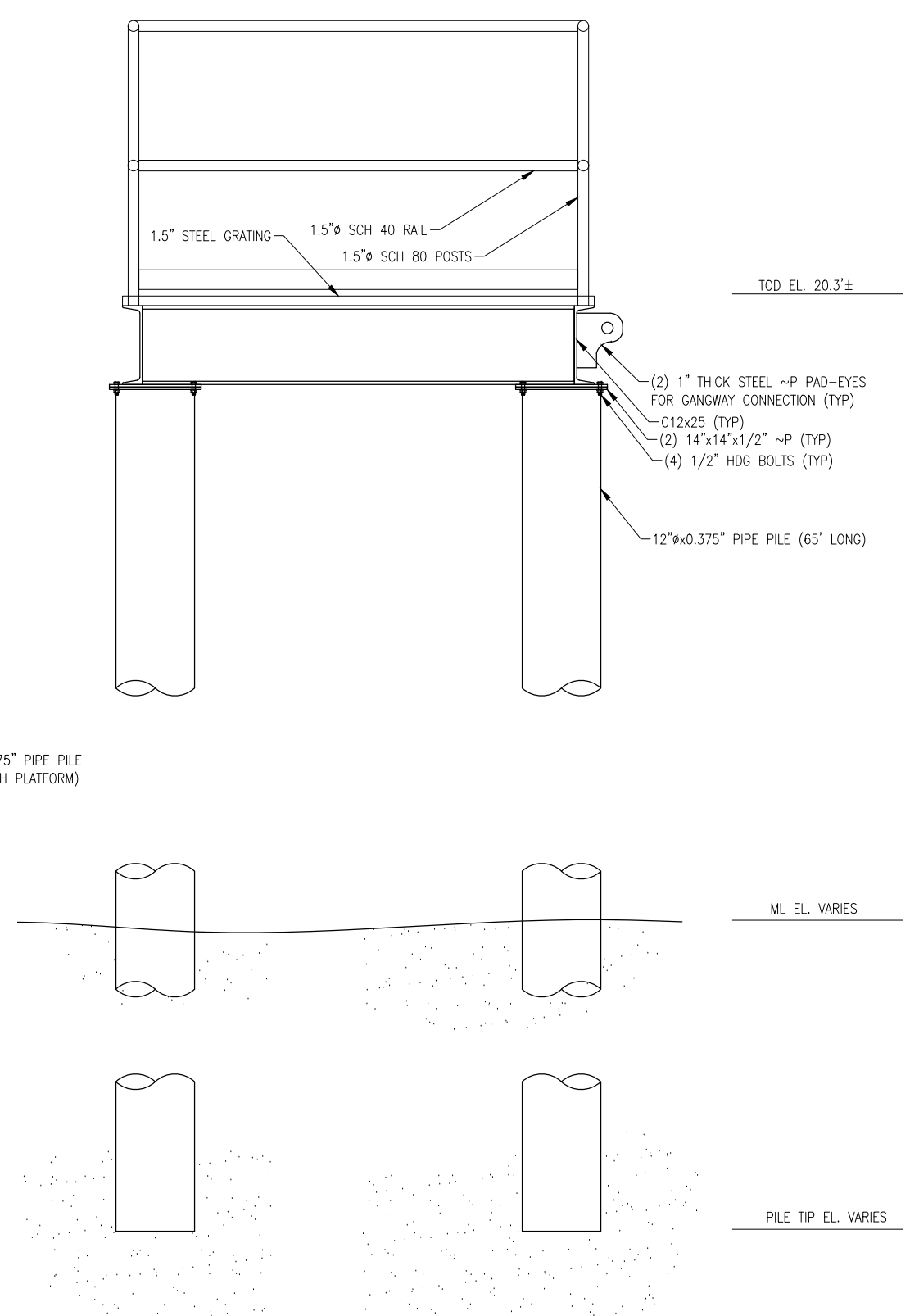
**A2 TYPICAL FLOATING DOCK SECTION**  
 S-106 | S-514 SCALE: 1/2" = 1'-0"  
 0 2' 4' 6' 8' 10'  
 1/2" = 1'-0"

G:\0711\NASHU\NH\REGULAR PROJECTS\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-514 FLOATING DOCK DETAILS.DWG LAYOUT: S-514 FLOATING DOCK DETAILS 9/03/2021 4:22PM DIMSCALE: 0 R24.1

G:\01\15-13122.00 BSU BOSTON PIER 2 REPLACEMENT (WALSH DB)\05 ENGINEERING\03 DRAWINGS\PERMIT DRAWINGS\NO\S-516 GANGWAY PLATFORM DETAILS.DWG LAYOUT: 9/03/2021 4:22PM DIMSCALE: 1/8"=1'-0"



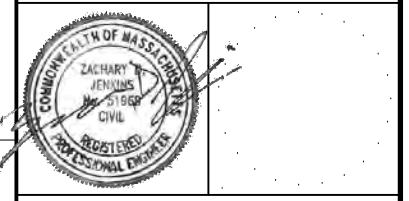
**A1 GANGWAY PLATFORM PLAN**  
 SCALE: 1" = 1'-0"  
 1" = 1'-0"



**A2 GANGWAY PLATFORM SECTION**  
 SCALE: 1" = 1'-0"  
 1" = 1'-0"

Walsh Construction  
 100 RIVER RIDGE DR, NORWOOD MA 02062  
 781-793-9988

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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 19195378  
 CAD FILE NAME: S-516 GANGWAY PLATFORM DETAILS.dwg  
 DESIGNED BY: WMM  
 DRAWN BY: BRB  
 EDITED BY: GTH  
 CHECKED BY: ZDJ

SCALE: AS SHOWN PLOT SCALE: 1 : 1  
 SHEET TITLE

**FRC HOMEPORING BASE BOSTON**  
 BOSTON MA  
**STRUCTURAL GANGWAY PLATFORM DETAILS**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

PROJECT NUMBER	DRAWING NUMBER
<b>19195378</b>	<b>TBD</b>
DISCIPLINE/SHT NO	SHEET 25 OF 25
<b>S-516</b>	

# ATTACHMENT 5 – NOTICES & LOCAL ORDINANCES

## Contents:

Babel Notice

Affidavit of Translation for Abutter Notification

Notice to Abutters (English and Spanish)

Affidavit of Service for Abutters Notification

Abutters Map

List of Abutters and Property Owners

Proof of mailing to MassDEP (Certified Mail Receipt)

Proof of mailing to Massachusetts Division of Marine Fisheries (Certified Mailing Receipt)





## 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 فوائده. 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.



**AFFIDAVIT OF TRANSLATION  
FOR ABUTTER NOTIFICATION**

I, Oliver Kici, hereby certify regarding the Abutter Notification for the Notice of Intent for the project located at 466-490 Hanover Street, Boston, MA 02109 that:

- Boston Linguistics MA is listed in the Boston Office of Language and Communication Access online list of translators.
- Boston Linguistics MA prepared the attached Abutter Notification in Spanish (Latin American) for the Notice of Intent for 466-490 Hanover Street, Boston, MA 02109.

Oliver Kici

Name

Boston Linguistics Ma Inc.

Company

09/10/2021

Date

VM

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Facilities Design & Construction Center

5505 Robin Hood Road, Suite K  
Norfolk, VA 23513-2431  
Phone: 757-852-3404  
Fax: 757-852-3495

11000

Dear Project Abutter:

**The reason why you are receiving this letter:** 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.

The United States of America in the person of the U.S. Coast Guard 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. The address of the lot where the activity is proposed is 466-490 Hanover Street, Boston, MA 02109.

**Project Description:** The U.S. Coast Guard proposes the demolition and reconstruction of the existing Pier 2 and Wharf 3, installation of three new floating docks, various electrical and mechanical upgrades, and interior renovations to existing buildings as USCG Base Boston.

**How to Make Comments or Review the Application:** 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. Our contact information is as follows:

Contact representative - Ms. Jessica Parks

Email Address - [jessica.e.parks@uscg.mil](mailto:jessica.e.parks@uscg.mil)

Mailing Address - 5505 Robin Hood Rd, Suite K, Norfolk, VA 23513

Phone Number - (757) 852 - 3410

Thank you for your consideration in this permit application process.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. D. Berry", with a long, sweeping underline that extends to the left.

J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Enclosure: (1) Notification to Abutters - Boston Conservation Commission



## 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 abuterto a project filed with the Boston Conservation Commission.

- A. **The United States of America in the person of the U.S. Coast Guard** 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 **466-490 Hanover Street, Boston, MA 02109**.
- C. The project involves **demolition and reconstruction of the existing Pier 2 and Wharf 3, installation of three (3) new concrete floating docks, various electrical and mechanical upgrades, and interior renovations to existing buildings at the USCG Base Boston site to support the homeporting of six (6) 154' Sentinel Class Fast Response Cutter's (FRC's) and one (1) 87' WPB Cutter.**
- 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 **Jessica Parks, U.S. Coast Guard** by emailing [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil) or calling 757-852-3410 between the hours of 9:00am – 3:00pm, **Monday through Friday**.
- F. In accordance with the Commonwealth of Massachusetts Executive Order Suspending Certain Provisions of the Open Meeting Law, 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.

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.

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Facilities Design & Construction Center

5505 Robin Hood Road, Suite K  
Norfolk, VA 23513-2431  
Phone: 757-852-3404  
Fax: 757-852-3495

11000

Propietarios y/o Vecinos Colindantes,

**La razón por la que está recibiendo esta carta:** 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.

Los Estados Unidos de América, representados por la Guardia Costera Estadounidense 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. La dirección del lote donde se propone la actividad es 466-490 Hanover Street, Boston, MA 02109.

**Descripción del proyecto:** La Guardia Costera Estadounidense propone demolición y reconstrucción del Muelle 2 y del Embarcadero 3, ya existentes; instalación de tres nuevas dársenas flotantes de concreto; diversas mejoras eléctricas y mecánicas; y remodelaciones interiores en los edificios ya existentes en el sitio de la Base de la Guardia Costera Estadounidense en Boston [USCG Base Boston].

**Cómo hacer comentarios o revisar la aplicación:** 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) 635-4416 entre las 9 AM y las 5 PM, de lunes a viernes. Nuestra información de contacto es la siguiente:

Representante de contacto - Ms. Jessica Parks  
Dirección de correo electrónico - [jessica.e.parks@uscg.mil](mailto:jessica.e.parks@uscg.mil)  
Dirección postal - 5505 Robin Hood Rd, Suite K, Norfolk, VA 23513  
Número de teléfono - (757) 852 - 3410

Gracias por su consideración en este proceso de solicitud de permiso.

Atentamente,

A handwritten signature in blue ink that reads "J. D. Berry" with "CAPT" written in the upper right corner of the signature.

J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Recinto: (1) Notificación a Vecinos Colindantes - Comisión de Conservación de Boston



## 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. **Los Estados Unidos de América, representados por la Guardia Costera Estadounidense** 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 **466-490 Hanover Street, Boston, MA 02109**.

C. El proyecto consiste en **demolición y reconstrucción del Muelle 2 y del Embarcadero 3, ya existentes; instalación de tres (3) nuevas dársenas flotantes de concreto; diversas mejoras eléctricas y mecánicas; y remodelaciones interiores en los edificios ya existentes en el sitio de la Base de la Guardia Costera Estadounidense en Boston [USCG Base Boston] a fin de servir como puerto base a seis (6) 154' Sentinel Class Fast Response Cutter (FRC) y un (1) 87' WPB Cutter.**

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 en **Jessica Parks, Guardia Costera Estadounidense [U.S. Coast Guard], enviando un correo electrónico a [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil) o llamando al 757-852-3410 entre las 9:00am - 3:00pm, 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) 635-4416 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.

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.



City of Boston  
Environment



City of Boston  
Mayor Martin J. Walsh

**AFFIDAVIT OF SERVICE  
FOR ABUTTER NOTIFICATION**

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

I, Captain John Berry, 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 Notice of Intent was filed under the Massachusetts Wetlands Protection Act and/or the Boston Wetlands Ordinance by the United States of America in the person of the U.S. Coast Guard for demolition and rebuilding of a pier, floating docks, and a wharf at USCG Base Boston located at 466 - 490 Hanover Street.

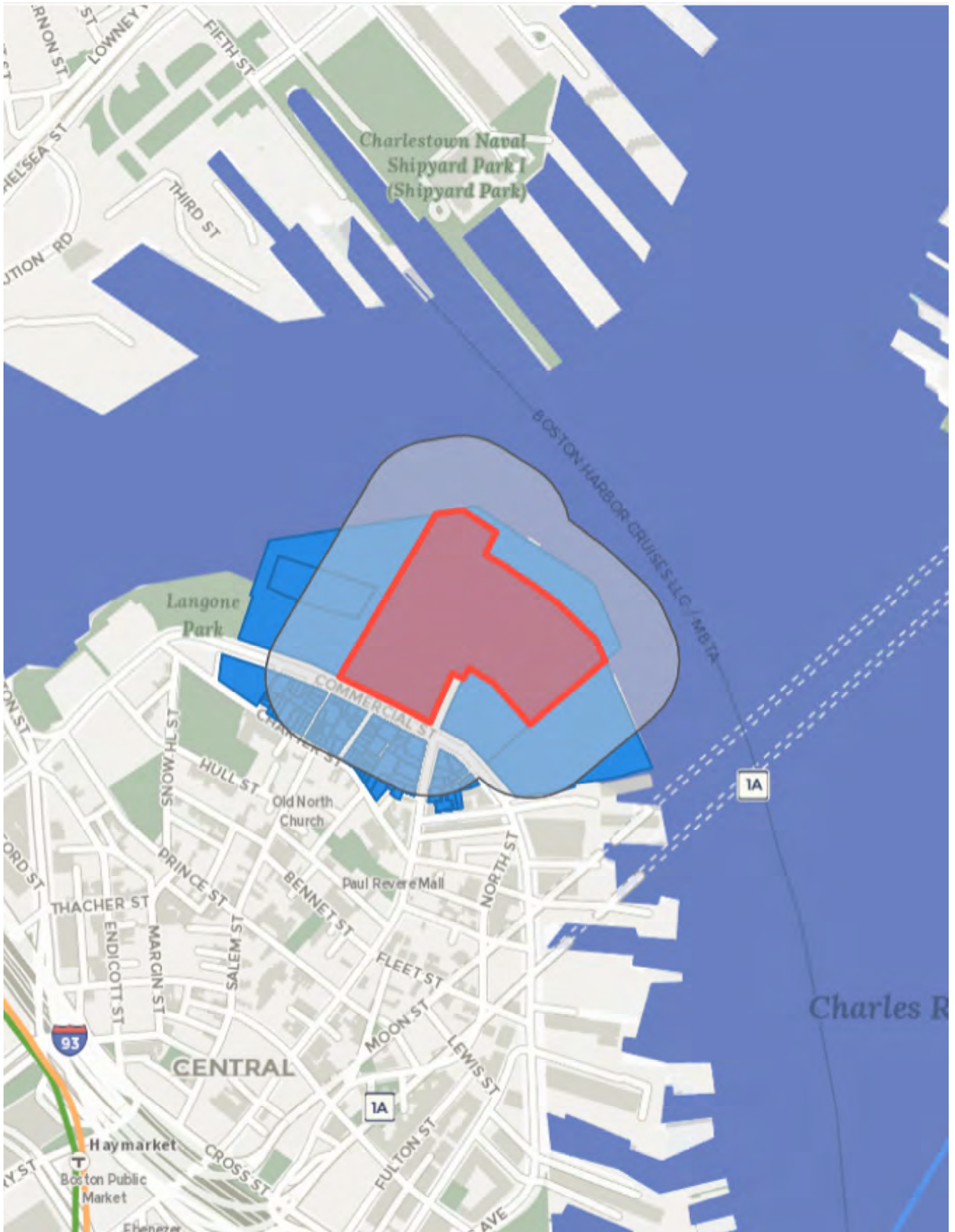
The Abutter Notification For, the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

J. Berry CAPT  
Name

24SEP21  
Date



# ABUTTERS MAP



**\*This list was generated using the Abutter Mailing List Generator for Parcel 303050000 (460 - 490 Hanover Street)**  
<https://www.boston.gov/abutter-mailing-list-generator>

PID_LONG	FULL_ADDRESS	CITY	ZIPCODE	OWNER	ADDRESSEE	MAIL_ADDRESS	MAIL_CS	STATE	MAIL_ZIPCODE	Note
										Copp's Hill Terrace per Assessor's - Notice sent to: City of Boston Department of Parks and Rec 1010 Massachusetts Avenue, 3RD Floor, Boston, MA 02118
301982000	COMMERCIAL ST	BOSTON	02109	CITY OF BOSTON		COMMERCIAL	BOSTON	MA	02113	
301983012	500 COMMERCIAL ST E	BOSTON	02109	RHODES ISLAND LLC		500 COMMERCIAL ST #E	BOSTON	MA	02109	
301983004	500 COMMERCIAL ST B	BOSTON	02109	ABELSON MICHAEL		500 COMMERCIAL ST #B	BOSTON	MA	02109	
301983007	500 COMMERCIAL ST C1-2	BOSTON	02109	OHANLEY RONALD P III	C/O RONALD P OHANLEY III	500 COMMERCIAL ST APT 1	BOSTON	MA	02109	
301983000	498 506 COMMERCIAL ST	BOSTON	02109	500 COMMERCIAL STREET CONDOMINIUM TRUST		498 COMMERCIAL ST	BOSTON	MA	02109	
301983002	500 COMMERCIAL ST A	BOSTON	02109	OBRIEN BRENDAN J TS		500 COMMERCIAL ST #A	BOSTON	MA	02109	
301983008	500 COMMERCIAL ST D	BOSTON	02109	HAMMOND KAREN		500 COMMERCIAL ST #D	BOSTON	MA	02109	
301985000	494 496 COMMERCIAL ST	BOSTON	02109	MODZELEWSKI JOHN F ETAL		496 COMMERCIAL	BOSTON	MA	02109	
301986000	492 COMMERCIAL ST	BOSTON	02109	MODZELEWSKI JOHN F		492 COMMERCIAL ST	BOSTON	MA	02109	
301987000	COMMERCIAL ST	BOSTON	02109	MODZELEWSKI JOHN F ETAL		496 COMMERCIAL	BOSTON	MA	02109	
301988000	488 COMMERCIAL ST	BOSTON	02109	HELENCAR LLC		496 COMMERCIAL ST	BOSTON	MA	02109	
301989000	3 7 COMMERCIAL CT	BOSTON	02109	ROGERS PATRICIA M		496 COMMERCIAL ST	BOSTON	MA	02109	
301990000	484 486 COMMERCIAL ST	BOSTON	02109	POST LARRY		142 MARLBOROUGH ST	BOSTON	MA	02116	
301991006	480 COMMERCIAL ST 2-A	BOSTON	02109	LAURA L BURKE 2000 REVOCABLE TRUST	C/O JOHN P BURKE TS	40 RAVEN RD	LOWELL	MA	01852	
301991000	482 478 COMMERCIAL ST	BOSTON	02109	H B REALTY CONDO TR		482 COMMERCIAL	BOSTON	MA	02109	
301991012	480 COMMERCIAL ST 3-B	BOSTON	02109	DAWSON MEAGAN		480 COMMERCIAL ST, UNIT 3-B	BOSTON	MA	02109	
301991002	480 COMMERCIAL ST 1-A	BOSTON	02109	WHITE JOSHUA J		480 COMMERCIAL ST	BOSTON	MA	02113	
301991018	480 COMMERCIAL ST PH A	BOSTON	02109	ZAUSAYLOV SERGEY		480 COMMERCIAL ST #PH-A	BOSTON	MA	02109	
301991014	480 COMMERCIAL ST 4-A	BOSTON	02109	SNYDER MARK		825 LONG POND RD	PLYMOUTH	MA	02360	
301991008	480 COMMERCIAL ST 2-B	BOSTON	02109	RKW VENTURES LLC		14 CAMP ST	CAMBRIDGE	MA	02140	
301991020	480 COMMERCIAL ST B	BOSTON	02109	MARTIGNETTI MARIA		51 FULTON ST	BOSTON	MA	02109	
301991010	480 COMMERCIAL ST 3-A	BOSTON	02109	CATHERS ALICIA		480 COMMERCIAL ST, UNIT 3-A	BOSTON	MA	02109	
301991016	480 COMMERCIAL ST 4-B	BOSTON	02109	DORAN FREDERICK G	C/O JEAN M DORAN	2100 INDIAN CREEK BLVD E #A216	VERO BEACH	FL	32966	
301991004	480 COMMERCIAL ST 1-B	BOSTON	02109	DIAMOND KELLY P		480 COMMERCIAL ST #1B	BOSTON	MA	02109	
301992000	16 FOSTER ST	BOSTON	02109	SIXTEEN FOSTER ST CONDO TR		16 FOSTER	BOSTON	MA	02109	
301992012	16 FOSTER ST 6	BOSTON	02109	BUCKLAND ARTHUR R	C/O ARTHUR BUCKLAND	343 COMMERCIAL ST #103	BOSTON	MA	02109	
301992006	16 FOSTER ST 3	BOSTON	02109	BAYSWATER 1 LLC	P.O. BOX 520112	C/O THAIS GASSIRARO	WINTHROP	MA	02152	
301992018	16 FOSTER ST 9	BOSTON	02109	BROCARD DOMINIQUE		23 ORCHARD ST	WELLESLEY	MA	02481	
301992008	16 FOSTER ST 4	BOSTON	02109	CHICO-CALERO ISABEL		16 FOSTER ST #4	BOSTON	MA	02109	
301992002	16 FOSTER ST 1	BOSTON	02109	FAVREAU DONNA M		16 FOSTER ST #1	BOSTON	MA	02109	
301992020	16 FOSTER ST 10	BOSTON	02109	WERNICK RUTH	C/O RUTH WERNICK TOSI	1265 BEACON ST #802	BROOKLINE	MA	02446	
301992014	16 FOSTER ST 7	BOSTON	02109	ROOF ANGELA		16 FOSTER ST #7	BOSTON	MA	02109	
301992004	16 FOSTER ST 2	BOSTON	02109	TILLEY MICHAEL T		1437 WOODWARD AVE #416	DETROIT	MI	48226	
301992016	16 FOSTER ST 8	BOSTON	02109	ZAGORAN DONALD R	C/O DONALD ZAGOREN	1 TILLEY CRESCENT	PLYMOUTH	MA	02360	
301992010	16 FOSTER ST 5	BOSTON	02109	MUEHLBAUER ANDREAS		772 E THIRD ST UNIT 6	BOSTON	MA	02127	
301993000	14 FOSTER ST	BOSTON	02109	QUARAGLIA DOMENIC		100 LAWRENCE ST	MEDFORD	MA	02155	
301994000	12 FOSTER ST	BOSTON	02109	TORRINGTON WEBB LLC	C/O TORRINGTON PROPERTIES INC	11 ELKINS ST SUITE 420	BOSTON	MA	02127	
301995000	6 FOSTER ST	BOSTON	02109	M G MARTIGNETTI LLC A MASS LLC	C/O ANTHONY G MARTIGNETTI	304 NORTH ST	BOSTON	MA	02113	
301996000	4 FOSTER ST	BOSTON	02109	BONZANI KELLY		4 FOSTER ST	BOSTON	MA	02109	
301997000	47 47HF CHARTER ST	BOSTON	02113	DIBENEDETTO ANNA MARIA TS	C/O ANNA M DIBENEDETTO	47 CHARTER ST	BOSTON	MA	02113	
301998000	49 49R CHARTER ST	BOSTON	02113	49 CHARTER STREET LLC		49-51 CHARTER ST	BOSTON	MA	02113	
301999010	57 CHARTER ST 3-A	BOSTON	02113	MATTESON ANDREA M		10 OCEAN AV #414	REVERE	MA	02151	
301999016	57 CHARTER ST 3-D	BOSTON	02113	LINNELL ADAM CHRISTOPHER	C/O ADAM LINNELL	4 HENCHMAN ST #6	BOSTON	MA	02113	
301999004	57 CHARTER ST 1-B	BOSTON	02113	CREIGHAN KEVIN P		302 10TH ST SE	WASHINGTON DC		20003	
301999022	57 CHARTER ST 4-C	BOSTON	02113	SCIPIONE ANTHONY J		57 CHARTER ST #4C	BOSTON	MA	02113	
301999028	57 CHARTER ST 5-B	BOSTON	02113	FEDELE JOANNA C		57- 59 CHARTER ST UNIT 5B	BOSTON	MA	02113	
301999006	57 CHARTER ST 2-A	BOSTON	02113	VANMALI RAJENDRA B		57 CHARTER ST #2A	BOSTON	MA	02113	
301999000	57 59 CHARTER ST	BOSTON	02113	FIFTY 7 CHARTER ST CONDO ASSN		57 CHARTER	BOSTON	MA	02113	
301999012	57 CHARTER ST 3-B	BOSTON	02113	MCLAUGHLIN DANIEL P		57 CHARTER ST #3-B	BOSTON	MA	02113	
301999002	57 59 CHARTER ST 1A	BOSTON	02113	SANDLER ANDREW		59 57 CHARTER ST, UNIT 1A	BOSTON	MA	02113	
301999024	57 CHARTER ST 4-D	BOSTON	02113	SCIPIONE ANGELO P		57 CHARTER ST 4-D	BOSTON	MA	02113	
301999030	57 CHARTER ST 5-C	BOSTON	02113	FOSTER HEATHER B		57 CHARTER ST #5C	BOSTON	MA	02113	
301999018	57 CHARTER ST 4-A	BOSTON	02113	NASIF CHRISTOPHER		57 CHARTER ST #4-A	BOSTON	MA	02113	
301999032	57 CHARTER ST 5-D	BOSTON	02113	CLEMENTS CHRISTINE M		57 CHARTER ST	BOSTON	MA	02113	
301999020	57 CHARTER ST 4-B	BOSTON	02113	CHARTER REALTY TRUST	C/O JOANNA F DALEY	57 CHARTER ST #4B	BOSTON	MA	02113	
301999014	57 CHARTER ST 3-C	BOSTON	02113	PERRINA MARIA		57 CHARTER ST #3-C	BOSTON	MA	02113	
301999026	57 CHARTER ST 5-A	BOSTON	02113	BORZELLO TONI		57 CHARTER ST	BOSTON	MA	02113	
301999008	57 CHARTER ST 2-B	BOSTON	02113	SHANNON KEVIN		57 CHARTER ST #2-B	BOSTON	MA	02113	
302000000	61 63 CHARTER ST	BOSTON	02113	MCGINNIS PETER H		1018 LEWIS COVE	DELRAY BEACH	FL	33483	
302001000	65 67 CHARTER ST	BOSTON	02113	TRULLI ALPHONSE J TRST		55 HANCOCK	REVERE	MA	02151	
302002000	71 CHARTER ST	BOSTON	02113	TRULLI ALPHONSE J TRST		55 HANCOCK	REVERE	MA	02151	
302004000	3 JACKSON AV	BOSTON	02113	KAFASIS PAUL		3 JACKSON AVE	BOSTON	MA	02113	
302005000	5 JACKSON AV	BOSTON	02113	KIM CHARLES H	C/O CARLA & CHARLES KIM	5 JACKSON AVE	BOSTON	MA	02113	
302006000	7 JACKSON AV	BOSTON	02113	7 JACKSON AVE LLC		112 UNION WH	BOSTON	MA	02109	
302007000	23 FOSTER ST	BOSTON	02109	DOTTO GIAN-PAOLO		23 FOSTER ST	BOSTON	MA	02109	
302008000	2 FOSTER CT	BOSTON	02109	GIOVANGELO JOSEPH L JR	C/O JOSEPH GIOVANGELO	53 POWISSET ST	DOVER	MA	02030	
302009000	470 COMMERCIAL ST	BOSTON	02109	FOUR 70 COMMERCIAL ST LLC MASS LLC	C/O DJ REALTY	420 COMMERCIAL ST	BOSTON	MA	02109	
302010000	468 COMMERCIAL ST	BOSTON	02109	IANNELLA CHRISTOPHER G		468 COMMERCIAL ST	BOSTON	MA	02109	
302011000	466 464A COMMERCIAL ST	BOSTON	02109	CARRAGEL JOSEPH M	C/O DJ REALTY	420 COMMERCIAL ST	BOSTON	MA	02109	
302012000	24 HENCHMAN ST	BOSTON	02113	PREVITE NOLAN P		460 COMMERCIAL STREET	BOSTON	MA	02109	
302013006	22 HENCHMAN ST 2	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	
302013018	22 HENCHMAN ST 8	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013012	22 HENCHMAN ST 5	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013002	22 HENCHMAN ST 10	BOSTON	02113	COAST DELVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUALITO	CA	94966	Duplicate - only 1 Notice sent
302013014	22 HENCHMAN ST 6	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013008	22 HENCHMAN ST 3	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	P O BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013020	22 HENCHMAN ST 9	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013010	22 HENCHMAN ST 4	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013004	22 HENCHMAN ST 1	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL F SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013016	22 HENCHMAN ST 7	BOSTON	02113	COAST DEVELOPMENT LLC MASS LLC	C/O MICHAEL SIMONICH	PO BOX 2245	SAUSALITO	CA	94966	Duplicate - only 1 Notice sent
302013000	22 HENCHMAN ST	BOSTON	02113	TWENTY 2 HENCHMAN ST		22 HENCHMAN ST	BOSTON	MA	02113	
302014000	20 HENCHMAN ST	BOSTON	02113	TWENTY HENCHMAN ST CONDO TR		20 HENCHMAN ST	BOSTON	MA	02113	
302014014	20 HENCHMAN ST 7	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	
302014006	20 HENCHMAN ST 3	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302014002	20 HENCHMAN ST 1	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302014008	20 HENCHMAN ST 4	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302014016	20 HENCHMAN ST 8	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302014004	20 HENCHMAN ST 2	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302014010	20 HENCHMAN ST 5	BOSTON	02113	GAITA GUIDO		252 COMMERCIAL ST	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302015012	14 16 HENCHMAN ST 2R	BOSTON	02113	FIRICANO SALVATORE A		16 HENCHMAN ST #1R	BOSTON	MA	02113	
302015024	14 16 HENCHMAN ST 4R	BOSTON	02113	MUNSELL DOUGLAS P	C/O DOUGLAS & BARBARA MUNSELL	8 GREENWOOD RD	DOVER	MA	02030	
302015046	10 HENCHMAN ST 3M	BOSTON	02113	OLEARY SUZANNE R		10 HENCHMAN ST #3M	BOSTON	MA	02113	
302015058	10 HENCHMAN ST 5M	BOSTON	02113	CUB PROPERTIES LLC		4 GASLIGHT LANE	FRAMMINGHAM	MA	01702	
302015000	10 16 HENCHMAN ST	BOSTON	02113	MASTRORILLO ANGELO P TRST		10 HENCHMAN	BOSTON	MA	02113	
302015018	14 16 HENCHMAN ST 3R	BOSTON	02113	CRUGER COURTENAY A		14 HENCHMAN ST #3R	BOSTON	MA	02113	
302015052	14 16 HENCHMAN ST 4M	BOSTON	02113	JANINE K SERWIN TRUST	C/O JANINE SERWIN	49 MILFORD ST #2	BOSTON	MA	02118	
302015030	14 16 HENCHMAN ST 5R	BOSTON	02113	MEKELBURG ALEXANDER M		15 WINTER ST	HOLLISTON	MA	01746	
302015006	14 16 HENCHMAN ST 1R	BOSTON	02113	FIRICANO SALVATORE A		16 HENCHMAN ST #1R	BOSTON	MA	02113	

PID_LONG	FULL_ADDRESS	CITY	ZIPCODE	OWNER	ADDRESSEE	MAIL_ADDRESS	MAIL_CS	STATE	MAIL_ZIPCODE	Note
302015060	10 HENCHMAN ST 5R	BOSTON	02113	SIENKIEWICZ SARAH		10 HENCHMAN ST, UNIT 5R	BOSTON	MA	02113	
302015048	10 HENCHMAN ST 3R	BOSTON	02113	HEIMERLE JAMES H		10 HENCENMAN ST	BOSTON	MA	02113	
302015042	10 HENCHMAN ST 2R	BOSTON	02113	DURANTE ENTERPRISES INC		79 N FRANKLIN TURNPIKE	RAMSEY	NJ	07446	
302015002	14 16 HENCHMAN ST 1F	BOSTON	02113	JOHNSON KEVIN T	C/O MARTIN E JOHNSON	14 CASTLE HILL RD		GLOUCESTER	MA	01930
302015020	14 16 HENCHMAN ST 4F	BOSTON	02113	PIZZI ALEXANDRA BRYANT		16 14 HENCHMAN ST, UNIT 4F	BOSTON	MA	02113	
302015032	10 HENCHMAN ST 1F	BOSTON	02113	MARSHALL SOPHIA		10 HENCHMAN ST, UNIT 1F	BOSTON	MA	02113	
302015050	10 HENCHMAN ST 4F	BOSTON	02113	SOBOL NATHALIE E		10 HENCHMAN ST #4F	BOSTON	MA	02113	
302015004	14 16 HENCHMAN ST 1M	BOSTON	02113	DURFEE PETER		516 POTTER RD		FRAMINGHAM	MA	01701
302015026	14 16 HENCHMAN ST 5F	BOSTON	02113	ROBUSTO MAUREEN		16 HENCHMAN ST #5F	BOSTON	MA	02113	
302015044	10 HENCHMAN ST 3F	BOSTON	02113	ZIMMERMANN WILLIAM E II		10 HENCHMAN ST #3F	BOSTON	MA	02113	
302015038	10 HENCHMAN ST 2F	BOSTON	02113	JANULEVICUS SALLYANN		10 HENCHMAN ST #2F	BOSTON	MA	02113	
302015016	14 16 HENCHMAN ST 3M	BOSTON	02113	MURPHY MEARA		16 HENCHMAN ST UNIT 3M	BOSTON	MA	02113	
302015028	14 16 HENCHMAN ST 5M	BOSTON	02113	JERNEGAN JENNA		16 HENCHMAN ST #5M	BOSTON	MA	02113	
302015040	10 HENCHMAN ST 2M	BOSTON	02113	LYONS JOHN J		10 HENCHMAN ST UNIT 2M	BOSTON	MA	02113	
302015022	14 16 HENCHMAN ST 4M	BOSTON	02113	MURPHY CATHERINE		16 HENCHMAN ST #4-M	BOSTON	MA	02113	
302015056	10 HENCHMAN ST 5F	BOSTON	02113	JACOBS STEVEN M		10 HENCHMAN ST #5F	BOSTON	MA	02113	
302015034	10 HENCHMAN ST 1M	BOSTON	02113	DIMAIO VICENZO		10 HENCHMAN ST #1M	BOSTON	MA	02113	
302015010	14 16 HENCHMAN ST 2M	BOSTON	02113	MCCOURT BRIAN J		10 OAKLEDGE RD		CUMBERLAND	RI	02864
302017012	4 6 HENCHMAN ST 1	BOSTON	02113	VOLPE LUCIANO		30 HEMLOCK DR		WESTWOOD	MA	02090
302017028	4 6 HENCHMAN ST 6-Apr	BOSTON	02113	DEPASQUALE FRANK		4-6 HENCHMAN ST UNIT 4-6	BOSTON	MA	02113	
302017030	4 6 HENCHMAN ST 37	BOSTON	02113	PRINCE STREET LLC		57 GLEET ST #2	BOSTON	MA	02109	
302017018	4 6 HENCHMAN ST 4	BOSTON	02113	DEL PESCHIO DONNA		6 4 HENCHMAN ST, UNIT 4	BOSTON	MA	02113	
302017024	4 6 HENCHMAN ST 7	BOSTON	02113	RICHARD PAUL M		4-6 HENCHMAN ST UNIT 7	BOSTON	MA	02113	
302017020	4 6 HENCHMAN ST 5	BOSTON	02113	GENTILE FERNANDO ETAL	C/O FERNANDO GENTILE	4 HENCHMAN ST #5	BOSTON	MA	02113	
302017014	4 6 HENCHMAN ST 2	BOSTON	02113	VOLPE LUCIANO		30 HEMLOCK DR		WESTWOOD	MA	02090
302017026	4 6 HENCHMAN ST 8	BOSTON	02113	JENKINS KATHERINE S TS	C/O KATHERINE S JENKINS	4 HENCHMAN ST #8	BOSTON	MA	02113	
302017000	4 6 HENCHMAN ST	BOSTON	02113	4-6 HENCHMAN STREET		4-6 HENCHMAN ST	BOSTON	MA	02113	
302017022	4 6 HENCHMAN ST 6	BOSTON	02113	LINNELL ADAM C		4 - 6 HENCHMAN ST, UNIT 6	BOSTON	MA	02113	
302017016	4 6 HENCHMAN ST 3	BOSTON	02113	FINNO LOUISE S		4-6 HENCHMAN ST, UNIT 3	BOSTON	MA	02113	
302018000	39 41 CHARTER ST	BOSTON	02113	39-41 CHARTER STREET REALTY TRUST		41 39 CHARTER ST	BOSTON	MA	02113	
302018001	1 3 GOODRIDGE CT	BOSTON	02113	GOODRIDGE COURT REALTY TRUST	C/O FREDERICK R PETRIGNO	34 SHADY LANE		MILFORD	NH	03055
302019000	43 CHARTER ST	BOSTON	02113	FARID ENTERPRISES LLC		58 TIMBER DRIVE		EAST LONGMEADOW	MA	01028
302021002	43 HF CHARTER ST 3	BOSTON	02113	DINUNZIO NINA M		HF 43 CHARTER ST, UNIT 3	BOSTON	MA	02113	
302021008	43 HF CHARTER ST 6	BOSTON	02113	VELLA NADEEN		43HF CHARTER ST #6	BOSTON	MA	02113	
302021010	5 GOODRIDGE CT 1	BOSTON	02113	CAPUANO GINA MARIE		5 GOODRIDGE CT #1	BOSTON	MA	02113	
302021004	43 HF CHARTER ST 4	BOSTON	02113	KELLEY CHRISTOPHER		HF 43 CHARTER ST, UNIT 4	BOSTON	MA	02113	
302021006	43 HF CHARTER ST 5	BOSTON	02113	MATHEWSON FAMILY LLC		P O BOX 614		BARNSTABLE	MA	02630
302021000	43 HF CHARTER ST	BOSTON	02113	GOODRIDGE COURT CONDO TR		5 GOODRIDGE CT	BOSTON	MA	02113	
302021012	5 GOODRIDGE CT 2	BOSTON	02113	SZULC MICHAEL		5 GOODRIDGE CT #2	BOSTON	MA	02113	
302022000	45 CHARTER ST	BOSTON	02113	PASCUCCI MARY J		45 CHARTER ST	BOSTON	MA	02113	
302023000	1 FOSTER ST	BOSTON	02109	FOSTER REALTY LLC		500 COMMERCIAL STR #4R	BOSTON	MA	02109	Duplicate - only 1 Notice sent
302024000	3 FOSTER ST	BOSTON	02109	FOSTER REALTY LLC	C/O HERBERT S COHEN TR	500 COMMERCIAL ST #4R	BOSTON	MA	02109	
302025012	11 FOSTER ST SIX	BOSTON	02109	FINN JEREMY C		PO BOX 961605	BOSTON	MA	02196	
302025000	11 FOSTER ST	BOSTON	02109	ELEVEN FOSTER ST CONDO TR	C/O ALAIN M MARCUSE **	11 FOSTER	BOSTON	MA	02109	
302025006	11 FOSTER ST THREE	BOSTON	02109	DIMEO MASSIMO		11 FOSTER ST #3	BOSTON	MA	02109	
302025008	11 FOSTER ST FOUR	BOSTON	02109	FINN JEREMY C		P O BOX 961605	BOSTON	MA	02196	
302025002	11 FOSTER ST ONE	BOSTON	02109	GUTHRIE ANDREW D III	C/O ANDREW GUTHRIE III	244 RIVER RD		ANDOVER	MA	01810
302025004	11 FOSTER ST TWO	BOSTON	02109	AMICO JOHN E JR		11 FOSTER ST	BOSTON	MA	02109	
302025010	11 FOSTER ST FIVE	BOSTON	02109	FINN JEREMY C		P O BOX 961605	BOSTON	MA	02196	
302026000	FOSTER ST	BOSTON	02109	CITY OF BOSTON		FOSTER	BOSTON	MA	02109	Foster Street Park per City of Boston website (duplicate of Department of Parks and Rec, only 1 notice sent).
302027004	450 COMMERCIAL ST 2	BOSTON	02109	450 COMMERCIAL STREET CONDOMINIUM TRUST		73 PAMELA CIR		MALDEN	MA	02148
302027000	450 COMMERCIAL ST	BOSTON	02109	450 COMMERCIAL STREET CONDOMINIUM TRUST		73 PAMELA CIR		MALDEN	MA	02148
302027006	450 COMMERCIAL ST 3	BOSTON	02109	450 COMMERCIAL STREET CONDOMINIUM TRUST		73 PAMELA CIR		MALDEN	MA	02148
302027008	450 COMMERCIAL ST 4	BOSTON	02109	450 COMMERCIAL STREET CONDOMINIUM TRUST		73 PAMELA CIR		MALDEN	MA	02148
302027002	450 COMMERCIAL ST 1	BOSTON	02109	450 COMMERCIAL STREET CONDOMINIUM TRUST		72 PAMELA CIR		MALDEN	MA	02148
302029042	440 COMMERCIAL ST 403	BOSTON	02109	VAIL SALLY		440 COMMERCIAL ST #403	BOSTON	MA	02109	
302029058	440 COMMERCIAL ST 603	BOSTON	02109	TYROS MEREDITH ANNE		440 COMMERCIAL ST #603	BOSTON	MA	02109	
302029030	440 COMMERCIAL ST 301	BOSTON	02109	MANNA KATHLEEN H	C/O MICHAEL A MANNA	66 SOUTH MAPLE AV		RIDGEWOOD	NJ	07450
302029036	440 COMMERCIAL ST 304	BOSTON	02109	GOLDMAN ELISABETH G	C/O ELISABETH GOLDMAN	440 COMMERCIAL ST #304	BOSTON	MA	02109	
302029024	440 COMMERCIAL ST 202	BOSTON	02109	FREDERICK H STRICKLER JR	C/O FREDERICK STRICKLER	440 COMMERCIAL ST #202	BOSTON	MA	02109	
302029054	440 COMMERCIAL ST 601	BOSTON	02109	GIGLIOTTI ROBERT		440 COMMERCIAL ST #601	BOSTON	MA	02109	
302029026	440 COMMERCIAL ST 203	BOSTON	02109	NELSON KAREN A		440 COMMERCIAL ST #203	BOSTON	MA	02109	
302029032	440 COMMERCIAL ST 302	BOSTON	02109	COBONZI ANTONIO		440 COMMERCIAL ST #302	BOSTON	MA	02109	
302029048	440 COMMERCIAL ST 502	BOSTON	02109	PATRICA A DJORDJEVIC	C/O WALTER DJORDJEVIC	440 COMMERCIAL ST #502	BOSTON	MA	02109	
302029060	440 COMMERCIAL ST 604	BOSTON	02109	DALEY ROBERT F		440 COMMERCIAL ST #604	BOSTON	MA	02109	
302029020	440 448 COMMERCIAL ST	BOSTON	02109	FOUR40 COMMERCIAL STREET	C/O FOUR-48 COMMERCIAL ST LLC	448 COMMERCIAL ST	BOSTON	MA	02109	
302029038	440 COMMERCIAL ST 401	BOSTON	02109	CHIOTELLIS PETER P		440 COMMERCIAL ST #401	BOSTON	MA	02109	
302029050	440 COMMERCIAL ST 503	BOSTON	02109	COSKREN MICHAEL C		440 COMMERCIAL ST #503	BOSTON	MA	02109	
302029022	440 COMMERCIAL ST 201	BOSTON	02109	MCPEAKE-LIAO FAMILY TRUST		440 COMMERCIAL ST, UNIT 201	BOSTON	MA	02109	
302029044	440 COMMERCIAL ST 404	BOSTON	02109	LEONE EUGENE TS		440 COMMERCIAL ST #404	BOSTON	MA	02109	
302029056	440 COMMERCIAL ST 602	BOSTON	02109	STARON MICHAEL J		440 COMMERCIAL ST #602	BOSTON	MA	02109	
302029034	440 COMMERCIAL ST 303	BOSTON	02109	KINEAVY MICHAEL		440 COMMERCIAL ST #303	BOSTON	MA	02109	
302029046	440 COMMERCIAL ST 501	BOSTON	02109	WETHERBEE ROBERT A JR	C/O ROBERT A WEATHERBEE JR	440 COMMERCIAL ST #501	BOSTON	MA	02109	
302029040	440 COMMERCIAL ST 402	BOSTON	02109	NAMIRANIAN SAM		440 COMMERCIAL ST #402	BOSTON	MA	02109	
302029052	440 COMMERCIAL ST 504	BOSTON	02109	LEIGH DOUGLAS		19 PILGRIM DRIVE		NORTHAMPTON	MA	01060
302029028	440 COMMERCIAL ST 204	BOSTON	02109	KIMBALL MARC D		30 MERRILL ST #6		PORTLAND	ME	04101
302030000	12 16 GREENOUGH LA	BOSTON	02113	SCB-F&G LIMITED PARTNERSHIP MASS LP		421 HANOVER ST		BOSTON	MA	02113
302031000	8 GREENOUGH LA	BOSTON	02113	HENCH & COOPER ASSOCS LP MASS LP	C/O HENCH & COOPER ASSOC LP	421 HANOVER ST		BOSTON	MA	02113
302032000	6 GREENOUGH LA	BOSTON	02113	HENCH & COOPER ASSOC LP MASS LP		421 HANOVER ST		BOSTON	MA	02113
302033000	23 HF CHARTER ST	BOSTON	02113	CSB ASSOCIATES LP MASS LP	C/O CS MANAGEMENT CORP	421 HANOVER ST		BOSTON	MA	02113
302034000	25 CHARTER ST	BOSTON	02113	CSB ASSOCIATES LP MASS LP	C/O CS MANAGEMENT CORP	421 HANOVER ST		BOSTON	MA	02113
302035000	27 CHARTER ST	BOSTON	02113	27 CHARTER STREET LLC		65 SAMOSET RD		DUXBURY	MA	02332
302036000	29 CHARTER ST	BOSTON	02113	CAMMARATA SANDRA		29 CHARTER ST		BOSTON	MA	02113
302037000	31 CHARTER ST	BOSTON	02113	POST VALERIE	C/O LARRY POST	142 MARLBOROUGH ST		BOSTON	MA	02116
302038010	33 CHARTER ST 4F	BOSTON	02113	STANIUNAS MARIANNE		33 CHARTER ST #4F		BOSTON	MA	02113
302038000	33 CHARTER ST	BOSTON	02113	THIRTY 3 CHARTER ST CONDO		33 CHARTER		BOSTON	MA	02113
302038012	33 CHARTER ST 4R	BOSTON	02113	ONEILL MARY	C/O MARY F P ONEILL	33 CHARTER ST #4R		BOSTON	MA	02113
302038006	33 CHARTER ST 3F	BOSTON	02113	VITELLO D CYNTHIA		357 COMMERCIAL ST #506		BOSTON	MA	02109
302038014	33 CHARTER ST 5	BOSTON	02113	CREANE DEIRDRE E		229 OLD OCEAN STREET		MARSHFIELD	MA	02050
302038008	33 CHARTER ST 3R	BOSTON	02113	YEDINIYAK JANET M TS		33 CHARTER ST #3R		BOSTON	MA	02113
302038002	33 CHARTER ST 1	BOSTON	02113	ANDREASSEN PAUL B		1115 ANASTASIA AV		CORAL GABLES	FL	33134
302038004	33 CHARTER ST 2	BOSTON	02113	ROYAPPU LAUREN	C/O LAUREN ROYAPPU	33 CHARTER ST #2		BOSTON	MA	02113
302039000	35 35A CHARTER ST	BOSTON	02113	POST VALERIE K TS	C/O VALERIE POST	142 MARLBOROUGH ST		BOSTON	MA	02116
302040000	7 9 HENCHMAN ST	BOSTON	02113	HENCH & COOPER ASSOC LP MASS LP		421 HANOVER ST		BOSTON	MA	02113
302041000	11 HENCHMAN ST	BOSTON	02113	DELLIAGO REALTY TRUST	RICHARD E DELLIAGO	11 HENCHMAN ST		BOSTON	MA	02113
302042000	15 HENCHMAN ST	BOSTON	02113	ESPOSITO KAREN E		15 HENCHMAN ST		BOSTON	MA	02113
302043000	17 HENCHMAN ST	BOSTON	02113	BAYSWATER 1 LLC	P.O. BOX 520112	C/O THAIS GASSIRARO		WINTHROP	MA	02152
302044000	19 HENCHMAN ST	BOSTON	02113	TRANFAGLIA FRANK		19 HENCHMAN ST		BOSTON	MA	02113
302045000	21 HENCHMAN ST	BOSTON	02113	LUIPPOLD JASON T		21 HENCHMAN ST		BOSTON	MA	02113
302047000	436 438A COMMERCIAL ST	BOSTON	02109	BID COMMERCIAL ST LLC MASS LLC		66 CHARLES ST #140		BOSTON	MA	02114
302048026	454 HANOVER ST 7B	BOSTON	02109	KUSSELL MOLLY ELIZABETH		454 HANOVER ST, UNIT 7B		BOSTON	MA	02109
302048038	464 HANOVER ST 4A	BOSTON	02109	TIBERI CESIDIO		14 PERRY DR		WESTWOOD	MA	02090
302048060	464 HANOVER ST 15A	BOSTON	02109	COSKREN NICHOLAS P		440 COMMERCIAL ST #503		BOSTON	MA	02122
302048020	454 HANOVER ST 4B	BOSTON	02109	GEDDES WILLIAM		454 HANOVER ST, UNIT 4B		BOSTON	MA	02109
302048044	464 HANOVER ST 7A	BOSTON	02109	ABELS KRISTEN M		464 HANOVER ST #7A		BOSTON	MA	02109

PID_LONG	FULL_ADDRESS	CITY	ZIPCODE	OWNER	ADDRESSEE	MAIL_ADDRESS	MAIL_CS	STATE	MAIL_ZIPCODE	Note
302048032	464 HANOVER ST A1	BOSTON	02109	PERROTTI MICHELE L		464 HANOVER ST #1A	BOSTON	MA	02109	
302048062	464 HANOVER ST 16A	BOSTON	02109	SORRENTO MARK F	C/O MARK SORRENTO	1 SEAL HARBOR RD APT #202	BOSTON	MA	02152	
302048010	454 464 HANOVER ST	BOSTON	02109	HARBORVIEW SUITES		454 HANOVER ST	BOSTON	MA	02109	
302048050	464 HANOVER ST 10A	BOSTON	02109	FERENT CHRISTINE M		464 HANOVER ST #10A	BOSTON	MA	02109	
302048022	454 HANOVER ST 5B	BOSTON	02109	GARVEY MATTHEW A		454 HANOVER ST UNIT 5B	BOSTON	MA	02113	
302048034	464 HANOVER ST 2A	BOSTON	02109	CARPENTER PAULINE B		464 HANOVER ST #2A	BOSTON	MA	02109	
302048016	454 HANOVER ST 2B	BOSTON	02109	LAIJOE DANIELLE K		454 HANOVER ST, UNIT 2-B	BOSTON	MA	02109	
302048056	464 HANOVER ST 13A	BOSTON	02109	BUSSONE THOMAS III		464 HANOVER ST #13A	BOSTON	MA	02113	
302048028	454 HANOVER ST 8B	BOSTON	02109	SOKOLOV ILYA		454 HANOVER ST #8B	BOSTON	MA	02113	
302048040	464 HANOVER ST 5A	BOSTON	02109	454 HANOVER STREET LLC		121 LARCHMONT RD	MELROSE	MA	02176	
302048018	454 HANOVER ST 3B	BOSTON	02109	CRAFTYS BOOKS 2017 NOMINEE TRUST	C/O ROBERT G BANNISH	50 CONGRESS ST STE 900	BOSTON	MA	02109	
302048058	464 HANOVER ST 14A	BOSTON	02109	PETLICK STEVEN TS	C/O STEVEN PETLICK	8 POND LANE	DOBBS FERRY	NY	10522	
302048046	464 HANOVER ST 8A	BOSTON	02109	ADAMS HELENE C	C/O HELENE ELIZABETH CLAY	464 HANOVER ST #8A	BOSTON	MA	02113	
302048012	454 HANOVER ST B	BOSTON	02109	DESPINA REALTY LLC MASS LLC	C/O CHRISTINE SAVAS	456 HANOVER ST	BOSTON	MA	02113	
302048052	464 HANOVER ST 11A	BOSTON	02109	KOCH AMY		464 HANOVER ST #11A	BOSTON	MA	02109	
302048024	454 HANOVER ST 6B	BOSTON	02109	MCGAFFIGAN JOHN		454 HANOVER ST, UNIT 6B	BOSTON	MA	02109	
302048036	464 HANOVER ST 3A	BOSTON	02109	STORER DAVID C		33 SHAW DRIVE	WAYLAND	MA	01778	
302048014	454 HANOVER ST 1B	BOSTON	02109	RUSSO AMANDA M		454 HANOVER ST # 1B	BOSTON	MA	02109	
302048054	464 HANOVER ST 12A	BOSTON	02109	SORRENTO MARK F	C/O MARK SORRENTO	1 SEAL HARBOR RD APT #202	BOSTON	MA	02152	
302048030	464 HANOVER ST A	BOSTON	02109	FOUR 64 HANOVER ST LLC MASS LLC	C/O MARGIE SHEEHAN	144 GOULD ST STE #152	NEEDHAM	MA	02494	
302048042	464 HANOVER ST 6A	BOSTON	02109	464 HANOVER STREET REALTY TRUST		36 MELLETT ST	NEEDHAM	MA	02494	
302048048	464 HANOVER ST 9A	BOSTON	02109	CAMARA JOSHUA		464 HANOVER ST, UNIT 9A	BOSTON	MA	02109	
302048160	448 452 HANOVER ST	BOSTON	02109	MARKS PAUL D TS		PO BOX 1046	BROOKLINE	MA	02446	
302049026	440 HANOVER ST 3-C	BOSTON	02113	MORTON RACHELLE D		440 HANOVER ST #3C	BOSTON	MA	02113	
302049044	440 HANOVER ST 5-D	BOSTON	02113	SCHNARE SHIRLEY A TS	C/O SHIRLEY A SCHNARE TS	440 HANOVER ST #5-D	BOSTON	MA	02113	
302049038	440 HANOVER ST 5-A	BOSTON	02113	FRASCA ROBERT R		440 HANOVER ST #5A	BOSTON	MA	02113	
302049020	440 HANOVER ST 2-D	BOSTON	02113	RADOSEVICH ZORA		275 CECELIA PL	ST PAUL	MN	55105	
302049032	440 HANOVER ST 4-B	BOSTON	02113	WONG ALFRED		440 HANOVER ST #4-B	BOSTON	MA	02113	
302049004	440 HANOVER ST B-D	BOSTON	02113	OCONELL PATRICE M		440 HANOVER ST #B-D	BOSTON	MA	02113	
302049022	440 HANOVER ST 3-A	BOSTON	02113	ARBONIZO GILDO TS		440 HANOVER ST #3-A	BOSTON	MA	02113	
302049034	440 HANOVER ST 4-C	BOSTON	02113	KRISTAN J BRUNO TRUSTEE	C/O KRISTAN J BRUNO TRUSTEE	29 LUSCOMBE LANE	DENNIS	MA	02638	
302049010	440 HANOVER ST 1-C	BOSTON	02113	ANDREWS PAUL J III		440 HANOVER STREET 1C	BOSTON	MA	02113	
302049016	440 HANOVER ST 2-B	BOSTON	02113	FILIBERTO CHRISTOPHER A		440 HANOVER ST #2B	BOSTON	MA	02113	
302049028	440 HANOVER ST 3-D	BOSTON	02113	STONE WELLL LLC MASS LLC	C/O ANYA POTTER	112 FULTON ST #3A	BOSTON	MA	02109	
302049018	440 HANOVER ST 2-C	BOSTON	02113	RICHARDSON EDWARD D		440 HANOVER ST #2C	BOSTON	MA	02113	
302049006	440 HANOVER ST 1-A	BOSTON	02113	MARR JEAN		440 HANOVER ST #1-A	BOSTON	MA	02113	
302049012	440 HANOVER ST 1-D	BOSTON	02113	PANTAZIS NIKI K		9 FISKE RD	LEXINGTON	MA	02420	
302049024	440 HANOVER ST 3-B	BOSTON	02113	MCMAHON PATRICK T	C/O PATRICK MCMAHON	440 HANOVER ST #3-B	BOSTON	MA	02113	
302049040	440 HANOVER ST 5-B	BOSTON	02113	ARENDS BRETT		440 HANOVER ST #5B	BOSTON	MA	02113	
302049000	444 432 HANOVER ST	BOSTON	02113	FOUR 40 HANOVER CONDO TR		444 HANOVER	BOSTON	MA	02113	
302049014	440 HANOVER ST 2-A	BOSTON	02113	REGHITTO ALIISON	C/O HEATHER A REGHITTO	440 HANOVER ST #2-A	BOSTON	MA	02113	
302049030	440 HANOVER ST 4-A	BOSTON	02113	WEILER MEGHAN L		440 HANOVER ST, UNIT 4-A	BOSTON	MA	02113	
302049042	440 HANOVER ST 5-C	BOSTON	02113	MEURLING SUSAN M		440 HANOVER ST #5C	BOSTON	MA	02113	
302049002	440 HANOVER ST B-C	BOSTON	02113	GALAN KENNETH E		440 HANOVER ST #B-C	BOSTON	MA	02113	
302049036	440 HANOVER ST 4-D	BOSTON	02113	PISARCIN GAIL	C/O GAIL LENEHAN	22 LIBERTY DR #7-D	BOSTON	MA	02210	
302049008	440 HANOVER ST 1-B	BOSTON	02113	CELESTE FLORENCE A		440 HANOVER ST # 1-B	BOSTON	MA	02113	
302050000	430 430R HANOVER ST	BOSTON	02113	SUI FRANK TS	C/O FRANK SUSI	430R HANOVER ST	BOSTON	MA	02113	
302051004	426 HANOVER ST 1-Feb	BOSTON	02113	BOUCHER AMANDA J L	NO AMERICAN SAVINGS BANK TAX DE 12520 S 71 HWY	426 HANOVER ST, APT 5	GRANDVIEW	MO	64030	
302051010	426 HANOVER ST 1-Mar	BOSTON	02113	SAKLATVALA ROBERT		426 HANOVER ST, UNIT 3-1	BOSTON	MA	02113	
302051006	426 HANOVER ST 1-Mar	BOSTON	02113	CLARK WILLIAM JAMES JR	C/O WILLIAM JAMES CLARK JR	426 HANOVER ST UNIT 3-1	BOSTON	MA	02113	
302051000	426 428 HANOVER ST	BOSTON	02113	FOUR 26 HANOVER ST CONDO TR		426 HANOVER ST	BOSTON	MA	02113	
302051002	426 HANOVER ST 1-Jan	BOSTON	02113	BURNS MARK X	C/O KARA M BURNS	426 HANOVER ST, UNIT 1	BOSTON	MA	02113	
302051008	426 HANOVER ST 1-Apr	BOSTON	02113	MARY D FRASCA 1993 TRUST		426 HANOVER STREET, NO. 4	BOSTON	MA	02113	
302052000	4 FOUNTAIN PL	BOSTON	02113	PUMBA LLC		4 FOUNTAIN PL	BOSTON	MA	02113	
302066020	3 BELGRAVIA PL	BOSTON	02113	SCB-F&G LP MASS LP		421 HANOVER ST	BOSTON	MA	02113	
302067000	21 CHARTER ST	BOSTON	02113	SCB-F&G LIMITED PARTNERSHIP MASS LP	C/O SCB-F&G LP	421 HANOVER ST	BOSTON	MA	02113	
302067001	VERNON PL	BOSTON	02113	CITY OF BOSTON		VERNON PL	BOSTON	MA	02113	Charter Street Park per Assessor's - duplicate of Department of Parks and Rec, only 1 notice sent
302068000	CHARTER ST	BOSTON	02113	CITY OF BOSTON		CHARTER	BOSTON	MA	02113	Charter Street Park per Assessor's - duplicate of Department of Parks and Rec, only 1 notice sent
302069000	13 15 GREENOUGH LA	BOSTON	02113	FEDERICO ELDA TS		15 GREENOUGH LANE	BOSTON	MA	02113	
302070000	17 GREENOUGH LA	BOSTON	02113	MCGINNIS PETER H	C/O PETER MCGINNIS	1018 LEWIS COVE	DELRAY BEACH	FL	33483	
302071000	19 GREENOUGH LA	BOSTON	02113	CARREGAL JOSEPH M	C/O DJ REALTY	420 COMMERCIAL ST	BOSTON	MA	02109	
303041000	2 5 BATTERY WHARF ST	BOSTON	02109	BATTERY WHARF MASTER CONDO		2 BATTERY WHARF	BOSTON	MA	02109	
303041000	2 5 BATTERY WHARF ST	BOSTON	02109	BATTERY WHARF MASTER CONDO		2 BATTERY WHARF	BOSTON	MA	02109	Duplicate - only 1 Notice sent
303044000	409 423 COMMERCIAL ST	BOSTON	02109	UNITED STATES OF AMERICA		411 COMMERCIAL	BOSTON	MA	02113	NOI Applicant - Notice not sent Commonwealth of Massachusetts - Notice being sent to MassDEP Commonwealth of Massachusetts - Notice being sent to MassDEP NOI Applicant - Notice not sent NOI Applicant - Notice not sent
303048000	COMMERCIAL ST	BOSTON	02109	COMMWLTH OF MASS		COMMERCIAL	BOSTON	MA	02113	
303048000	COMMERCIAL ST	BOSTON	02109	COMMWLTH OF MASS		COMMERCIAL	BOSTON	MA	02113	
303050000	466 490 HANOVER ST	BOSTON	02113	UNITED STATES OF AMER		466 HANOVER	BOSTON	MA	02113	
303050000	466 490 HANOVER ST	BOSTON	02113	UNITED STATES OF AMER		466 HANOVER	BOSTON	MA	02113	
303055000	471 COMMERCIAL ST	BOSTON	02109	CITY OF BOSTON		471 COMMERCIAL	BOSTON	MA	02113	Puopolo Playground per Assessor's - duplicate of Department of Parks and Rec, only 1 notice sent
303055000	471 COMMERCIAL ST	BOSTON	02109	CITY OF BOSTON		471 COMMERCIAL	BOSTON	MA	02113	Puopolo Playground per Assessor's - duplicate of Department of Parks and Rec, only 1 notice sent
303055000	471 COMMERCIAL ST	BOSTON	02109	CITY OF BOSTON		471 COMMERCIAL	BOSTON	MA	02113	Puopolo Playground per Assessor's - duplicate of Department of Parks and Rec, only 1 notice sent
303055001	COMMERCIAL ST	BOSTON	02109	CITY OF BOSTON		COMMERCIAL	BOSTON	MA	02113	
303065000	463 459 HANOVER ST	BOSTON	02113	ST AGRIPPINA OF MINEO		PO BOX 130356	BOSTON	MA	02113	
303066004	465 469 HANOVER ST 2	BOSTON	02113	SOLIMINE SALVATORE		465- 469 HANOVER ST #2	BOSTON	MA	02113	
303066010	465 469 HANOVER ST 4	BOSTON	02113	SHIPLEY GUNDA RAYE		- 469 465 HANOVER ST, UNIT 4	BOSTON	MA	02113	
303066016	465 469 HANOVER ST 5-R	BOSTON	02113	KENERSON KORI		465- 469 HANOVER ST #5-R	BOSTON	MA	02113	
303066000	465 469 HANOVER ST	BOSTON	02113	FOUR-65-469 HANOVER ST CONDO	C/O DAVID P VEO, TS	465- 469 HANOVER ST	BOSTON	MA	02113	
303066006	465 469 HANOVER ST 3	BOSTON	02113	AMBELIOTIS MICHAEL		7 ANNA DR	DANVERS	MA	01923	
303066012	465 469 HANOVER ST 4-R	BOSTON	02113	KRESO ANTONIA		465- 469 HANOVER ST #4-R	BOSTON	MA	02113	
303066008	465 469 HANOVER ST 3-R	BOSTON	02113	CRISTIANO VITTORIA		465- 469 HANOVER ST #3-R	BOSTON	MA	02113	
303066002	465 469 HANOVER ST	BOSTON	02113	SOCIETA FESTA SAN GIUSEPPE		9 CHARTER ST	BOSTON	MA	02113	
303066014	465 469 HANOVER ST 5	BOSTON	02113	STEFANELLI CHARLES		600 WASHINGTON ST APT 621	NEW YORK	NY	10014	
303067000	471 477 HANOVER ST	BOSTON	02113	471-477 HANOVER LLC		2 OLIVER ST, UNIT 10TH FLOOR	BOSTON	MA	02109	
303068000	479 483 HANOVER ST	BOSTON	02113	LAURIA FRANCES	C/O NICOLE GRIFFITH	420 COMMERCIAL ST	BOSTON	MA	02109	
303069000	420 COMMERCIAL ST	BOSTON	02109	LAURIA FRANCES	C/O NICOLE GRIFFITH	420 COMMERCIAL ST	BOSTON	MA	02109	
303072012	406 418 COMMERCIAL ST 5	BOSTON	02109	VENAZIA STEVEN I		414 COMMERCIAL ST #5	BOSTON	MA	02109	
303072000	406 418 COMMERCIAL ST	BOSTON	02109	FOUR 14 COMMERCIAL STREET		406-408 COMMERCIAL ST	BOSTON	MA	02109	
303072006	406 418 COMMERCIAL ST 2	BOSTON	02109	GALATI NICHOLAS A		414 COMMERCIAL ST #2	BOSTON	MA	02109	
303072018	406 418 COMMERCIAL ST 8	BOSTON	02109	SHAW MEREDITH B		414 COMMERCIAL ST, UNIT 8	BOSTON	MA	02109	
303072008	406 418 COMMERCIAL ST 3	BOSTON	02109	ZOBEL HILLER B		414 COMMERCIAL ST #3	BOSTON	MA	02109	
303072002	406 418 COMMERCIAL ST 1A	BOSTON	02109	LD-COMMERCIAL LLC	C/O PAUL MARTINI	PO BOX 258	SOLANA BEACH	CA	92075	
303072014	406 418 COMMERCIAL ST 6	BOSTON	02109	KENNY RYAN		406-418 COMMERCIAL ST #6	BOSTON	MA	02109	
303072004	406 418 COMMERCIAL ST 1	BOSTON	02109	RODENSTEIN DOUGLAS I		414 COMMERCIAL ST, UNIT # 1	BOSTON	MA	02109	
303072016	406 418 COMMERCIAL ST 7	BOSTON	02109	MAY EDWARD S		414 COMMERCIAL ST #7	BOSTON	MA	02109	

PID_LONG	FULL_ADDRESS	CITY	ZIPCODE	OWNER	ADDRESSEE	MAIL_ADDRESS	MAIL_CS	STATE	MAIL_ZIPCODE	Note
303072010	406 418 COMMERCIAL ST 4	BOSTON	02109	GAMBINO MATTHEW E	C/O MATTHEW GAMBINO	248 MAYFLOWER STREET	DUXBURY	MA	02332	
303073000	404 COMMERCIAL ST	BOSTON	02109	FOUR 04 COMMERCIAL ST LLC MASS LLC	C/O DJ REALTY	420 COMMERCIAL ST	BOSTON	MA	02109	
303074008	5 HOLDEN CT 4	BOSTON	02109	POMPONI DONNA L	C/O DONNA POMPONI	224 NE 16TH TERRACE	FORT LAUDERDALE	FL	33301	
303074002	5 HOLDEN CT 1	BOSTON	02109	JAMISON SCOTT		5 HOLDEN CT	BOSTON	MA	02109	
303074004	5 HOLDEN CT 2	BOSTON	02109	BASILI DANIELLE SARAH		5 HOLDEN CT, UNIT 2	BOSTON	MA	02109	
303074000	5 HOLDEN CT	BOSTON	02109	FIVE HOLDEN COURT CONDO TR		5 HOLDEN CT	BOSTON	MA	02109	
303074006	5 HOLDEN CT 3	BOSTON	02109	SIKELIJS DIANE D	C/O ROBERT N SIKELIJS ESQ	499 SCHOOL ST	BELMONT	MA	02478	
303075000	4 HOLDEN CT	BOSTON	02109	MMRUBY LLC		422-424 HANOVER ST #1	BOSTON	MA	02113	
303076000	3 HOLDEN CT	BOSTON	02109	JANFRA REALTY LLC		87 TONELA LANE	BARNSTABLE	MA	02630	
303077000	2 HOLDEN CT	BOSTON	02109	FEDERICO JOHN M TS	C/O JOHN M FEDERICO	2 HOLDEN COURT	BOSTON	MA	02109	
303078000	1 HOLDEN CT	BOSTON	02109	RULLI LEONORA		1 HOLDEN COURT	BOSTON	MA	02109	
303079002	402 COMMERCIAL ST 402-1	BOSTON	02109	NACE JEFFREY L		402 COMMERCIAL ST #1	BOSTON	MA	02109	
303079008	402 COMMERCIAL ST 402-4	BOSTON	02109	SULLIVAN THOMAS	C/O F9 PROPERTIES	844 ALTON RD STE 3	MIAMI BEACH	FL	33139	
303079004	402 COMMERCIAL ST 402-2	BOSTON	02109	NACE JEFFREY		402 COMMERCIAL ST #2	BOSTON	MA	02109	
303079000	402 COMMERCIAL ST	BOSTON	02109	FOUR 02 COMMERCIAL ST		402 COMMERCIAL ST	BOSTON	MA	02109	
303079006	402 COMMERCIAL ST 402-3	BOSTON	02109	HOODIE LLC		844 ALTON RD STE 3B	MIAMI BEACH	FL	33139	
303080000	394 392 COMMERCIAL ST	BOSTON	02109	DERROUCHE MARISA		392 394 COMMERCIAL ST	BOSTON	MA	02109	
303080000	22 20 BATTERY ST	BOSTON	02109	POST VALERIE K	C/O LARRY POST	142 MARLBOROUGH ST	BOSTON	MA	02116	
303080000	18 16 BATTERY ST	BOSTON	02109	GAMBALE SUFFOLK COUNTY REALTY TRUST	C/O RICHARD E GAMBALE	17 APPLETON RD	WINDHAM	NH	03087	
303080030	8 BATTERY ST 10	BOSTON	02109	ROSSELLI CHARLES W		8 BATTERY ST #10	BOSTON	MA	02109	
303080002	12 BATTERY ST 1A	BOSTON	02109	WRIGHT SCOTT W ETAL	C/O SCOTT WRIGHT	520 US ROUTE 5 SOUTH	FAIRLEE	VT	05045	
303080036	8 BATTERY ST 13	BOSTON	02109	THE HUB RENTALS LLC		376 COMMERCIAL ST APT 41	BOSTON	MA	02109	
303080024	8 BATTERY ST 7	BOSTON	02109	MUSTO RE LLC		8 FANUEIL HALL SQ	BOSTON	MA	02109	
303080008	12 BATTERY ST 4A	BOSTON	02109	CANNISTRACI ANGELA		12 BATTERY ST #4A	BOSTON	MA	02109	
303080038	8 BATTERY ST 14	BOSTON	02109	TESSICINI DAVID		8 BATTERY ST #14	BOSTON	MA	02109	
303080026	8 BATTERY ST 8	BOSTON	02109	MUSTO FEDERICO		8 BATTERY ST #8	BOSTON	MA	02109	
303080014	8 BATTERY ST 2	BOSTON	02109	CAMPANELLA SARA R		8 BATTERY ST UNIT 2	BOSTON	MA	02109	
303080032	8 BATTERY ST 11	BOSTON	02109	SCIPIONE ANTHONY J JR		8 BATTERY ST #11	BOSTON	MA	02109	
303080020	8 BATTERY ST 5	BOSTON	02109	COAKLEY RENEE		8 BATTERY ST #5	BOSTON	MA	02109	
303080022	8 BATTERY ST 6	BOSTON	02109	RAYMOND ROBERT		8 BATTERY ST, UNIT 6	BOSTON	MA	02109	
303080010	12 BATTERY ST 5A	BOSTON	02109	HOLMBERG MELANIE L		12 BATTERY ST #5A	BOSTON	MA	02109	
303080016	8 BATTERY ST 3	BOSTON	02109	BROWN BROOKS G		314 E DEL RAY AVENUE	ALEXANDRIA	VA	22301	
303080004	12 BATTERY ST 2A	BOSTON	02109	KELLEY JOANNE C		12 BATTERY ST #2A	BOSTON	MA	02109	
303080028	8 BATTERY ST 9	BOSTON	02109	8 BATTERY STREET UNIT 9 REALTY TRUST		2813 CENTER AVENUE	FORT LAUDERDALE	FL	33308	
303080034	8 BATTERY ST 12	BOSTON	02109	FONTAINE GEORGE O IV	C/O GEORGE O FONTAINE IV	8 BATTERY ST #12	BOSTON	MA	02109	
303080018	8 BATTERY ST 4	BOSTON	02109	ONORATO JENNIFER		8 BATTERY ST, UNIT 4	BOSTON	MA	02109	
303080006	12 BATTERY ST 3A	BOSTON	02109	CURRAN ABBY L		12 BATTERY ST, UNIT 3A	BOSTON	MA	02109	
303080000	12 8 BATTERY ST	BOSTON	02109	EIGHT 12 BATTERY ST CONDO TR		12 BATTERY	BOSTON	MA	02109	
303080012	8 BATTERY ST 1	BOSTON	02109	NOVELLO NICHOLAS J		8 BATTERY ST #1	BOSTON	MA	02109	

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Facilities Design & Construction Center

5505 Robin Hood Road, Suite K  
Norfolk, VA 23513-2431  
Phone: 757-852-3404  
Fax: 757-852-3495

11000

MassDEP Northeast Regional Office – Wetlands Division  
205B Lowell Street  
Wilmington, MA 01887

**SEP 24 2021**

To Whom It May Concern:

Enclosed please find one copy of a Notice of Intent (NOI) application and supporting documentation filed on behalf of the United States of America in the Person of the U.S. Coast Guard (USCG) for the proposed reconstruction project to support the homeporting of six (6) new 154' Sentinel Class Fast Response Cutter's (FRC's) and one (1) 87' WPB Cutter (the Project).

The proposed work includes the demolition and reconstruction of the pile-supported Pier 2 and Wharf 3, reconstruction of a bulkhead beneath Wharf 3, the removal of (1) floating dock at Pier 3, and installation of three (3) new concrete floating docks at Pier 2 and Pier 3. The work also includes various mechanical and electrical upgrades including the removal and replacement of shore-ties and utilities, and interior building renovations to support the new FRC's.

Attached please find the WPA 3 form, City of Boston NOI Form, required fee, abutter notifications, project description, location, and supporting documentation including site plans and sections indicating the location of the proposed work within the resource areas, photographs of existing conditions, proof of submission to the Boston Conservation Commission and Division of Marine Fisheries, and copies of State and City checks. An electronic copy of this NOI submission and plans is being emailed to [cc@boston.gov](mailto:cc@boston.gov) concurrently.

Abutters within 300-feet of the project parcel boundaries will be notified concurrently via Certificates of Mailing and proof of mailing will be provided at the Public Hearing.

We respectfully request review of the application and supplementary documentation. Thank you for your attention to this matter. If further information is required, please contact Ms. Jessica Parks, at (757) 852 – 3410 or by e-mail at [Jessica.E.Parks@uscg.mil](mailto:Jessica.E.Parks@uscg.mil).

Sincerely,

A handwritten signature in blue ink, appearing to read "J. D. Berry", with the word "CAPT" written in blue ink to the right of the signature.

J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Enclosure: Notice of Intent Application

Copy: Boston Conservation Commission  
Division of Marine Fisheries - North Shore Office

7021 0950 0001 1261 2526

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$8.55
<b>Total Postage and Fees</b>	<b>\$15.35</b>

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City, State, ZIP+4®  
**WILMINGTON, MA 01887**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Facilities Design & Construction Center

5505 Robin Hood Road, Suite K  
Norfolk, VA 23513-2431  
Phone: 757-852-3404  
Fax: 757-852-3495

11000

Massachusetts Department of Marine Fisheries – North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930

SEP 24 2021

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J. D. BERRY, P.E.  
Captain, U. S. Coast Guard  
Commanding Officer

Enclosure: Notice of Intent Application

Copy: Boston Conservation Commission  
MassDEP Northeast Regional Office



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Gloucester, MA 01930

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Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$8.55
<b>Total Postage and Fees</b>	<b>\$12.30</b>

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28  
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SEP 29 2021  
09/29/2021

Sent To  
 DIVISION OF MARINE FISHERIES - NORTH SHORE  
 Street and Apt. No., or PO Box No.  
 30 EMERSON AVE  
 City, State, ZIP+4®  
 GLOUCESTER, MA 01930

# **ATTACHMENT 6 – RARE AND ENDANGERED SPECIES**

## **Contents:**

iPaC Results



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 Commercial Street, Suite 300  
Concord, NH 03301-5094  
Phone: (603) 223-2541 Fax: (603) 223-0104  
<http://www.fws.gov/newengland>

In Reply Refer To:

September 21, 2021

Consultation Code: 05E1NE00-2021-SLI-4828

Event Code: 05E1NE00-2021-E-14857

Project Name: Base Boston FRC Homeporting

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>;

<http://www.towerkill.com>; and

<http://>

[www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html](http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html).

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**New England Ecological Services Field Office**

70 Commercial Street, Suite 300

Concord, NH 03301-5094

(603) 223-2541

---

## Project Summary

Consultation Code: 05E1NE00-2021-SLI-4828

Event Code: Some(05E1NE00-2021-E-14857)

Project Name: Base Boston FRC Homeporting

Project Type: MILITARY OPERATIONS / MANEUVERS

Project Description: Waterfront repairs and retrofits to allow for homeporting new Fast Response Cutters.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.368603699999994,-71.05136263060055,14z>



Counties: Suffolk County, Massachusetts

---

## Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

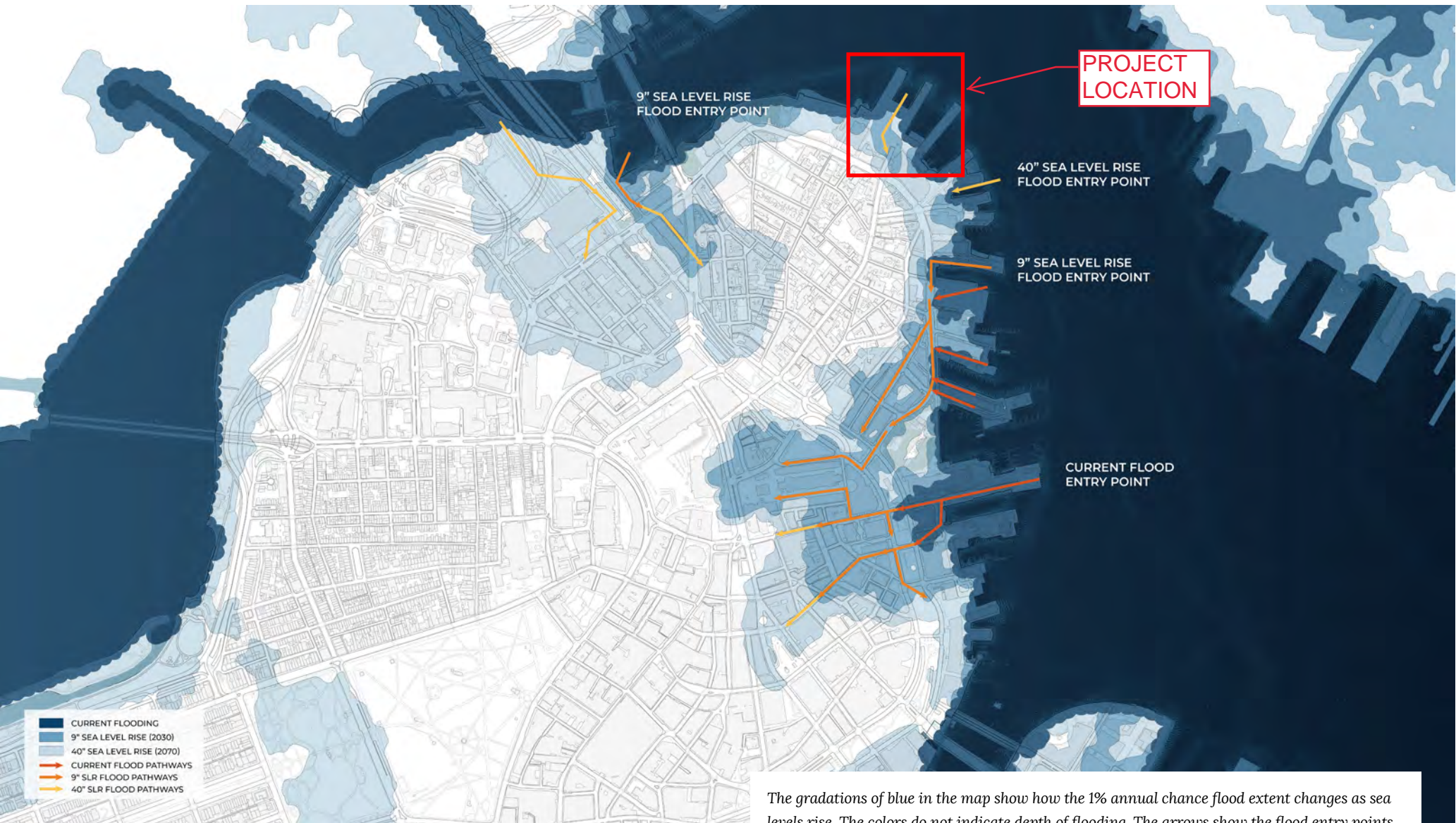
## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

---

# **ATTACHMENT 7 – COASTAL RESILIENCE SOLUTIONS FOR DOWNTOWN BOSTON AND NORTH END FLOOD FIGURE**





The gradations of blue in the map show how the 1% annual chance flood extent changes as sea levels rise. The colors do not indicate depth of flooding. The arrows show the flood entry points and pathways with current sea levels, 9 inches of sea level rise, and 40 inches of sea level rise.

# **ATTACHMENT 8 – MASSDEP STORMWATER REPORT DOCUMENTATION**

## **Contents:**

Checklist for Stormwater Report

MassGIS Wellhead Protection Area Map

MassGIS Surface Water Protection Area Map

MassGIS Outstanding Resource Water Map

Base Boston Stormwater Pollution Prevention Plan

Base Boston Spill Prevention, Control, and Countermeasure Plan



# 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



*R. McCoy* 9/14/21  
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

---

## 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

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## 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.

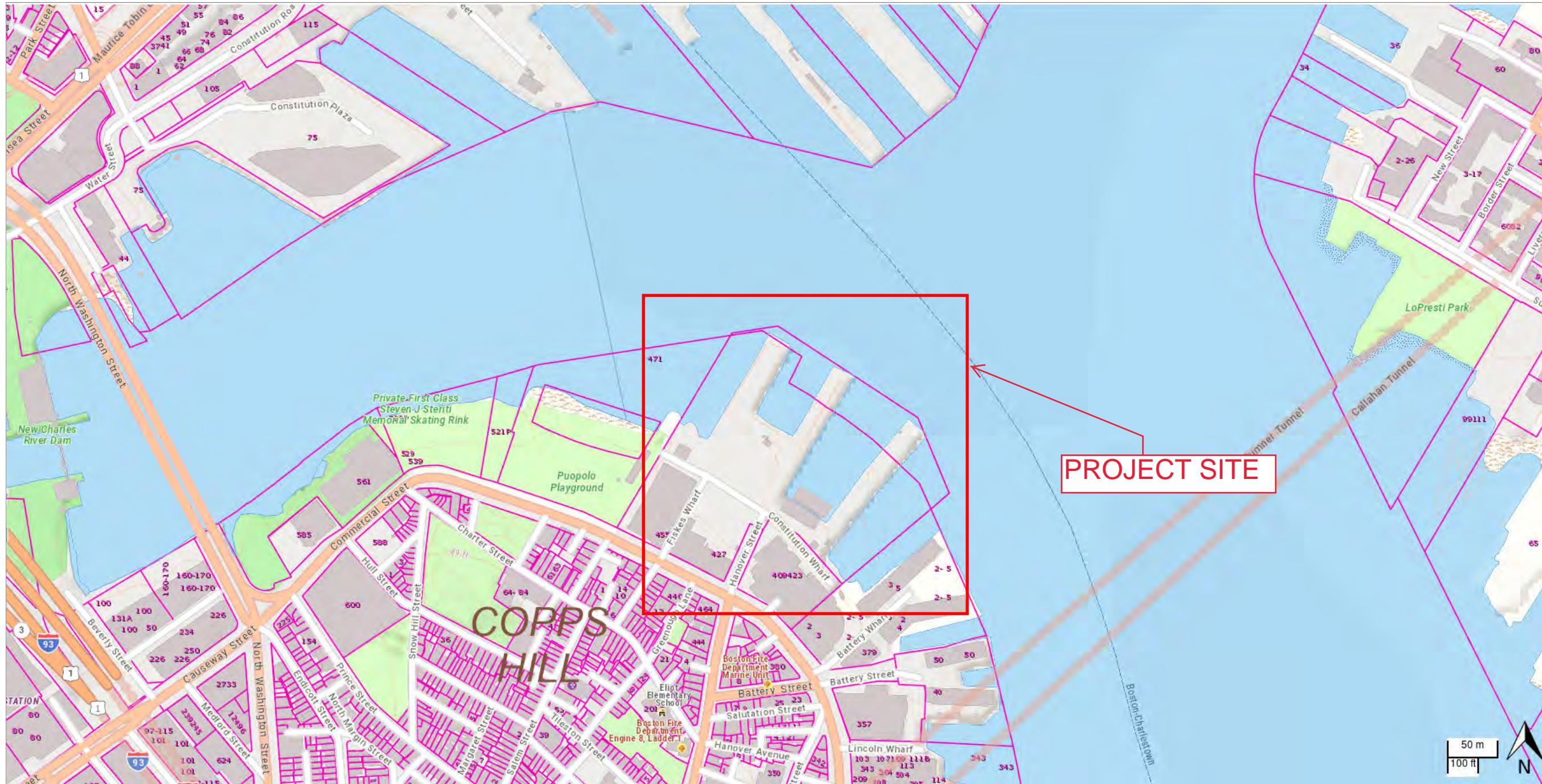
### Standard 9: Operation and Maintenance Plan

- 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.

Outstanding Resource Water



**Outstanding Resource Waters Outlines**

- ACEC
- Cape Cod National Seashore
- Protected Shoreline
- Public Water Supply Watershed
- Retired Public Water Supply
- Scenic/Protected River
- Wildlife Refuge

**Outstanding Resource Waters**

- ACEC
- Cape Cod National Seashore
- Protected Shoreline
- Public Water Supply Watershed
- Retired Public Water Supply
- Scenic/Protected River
- Wildlife Refuge

**Tax Parcels for Query**

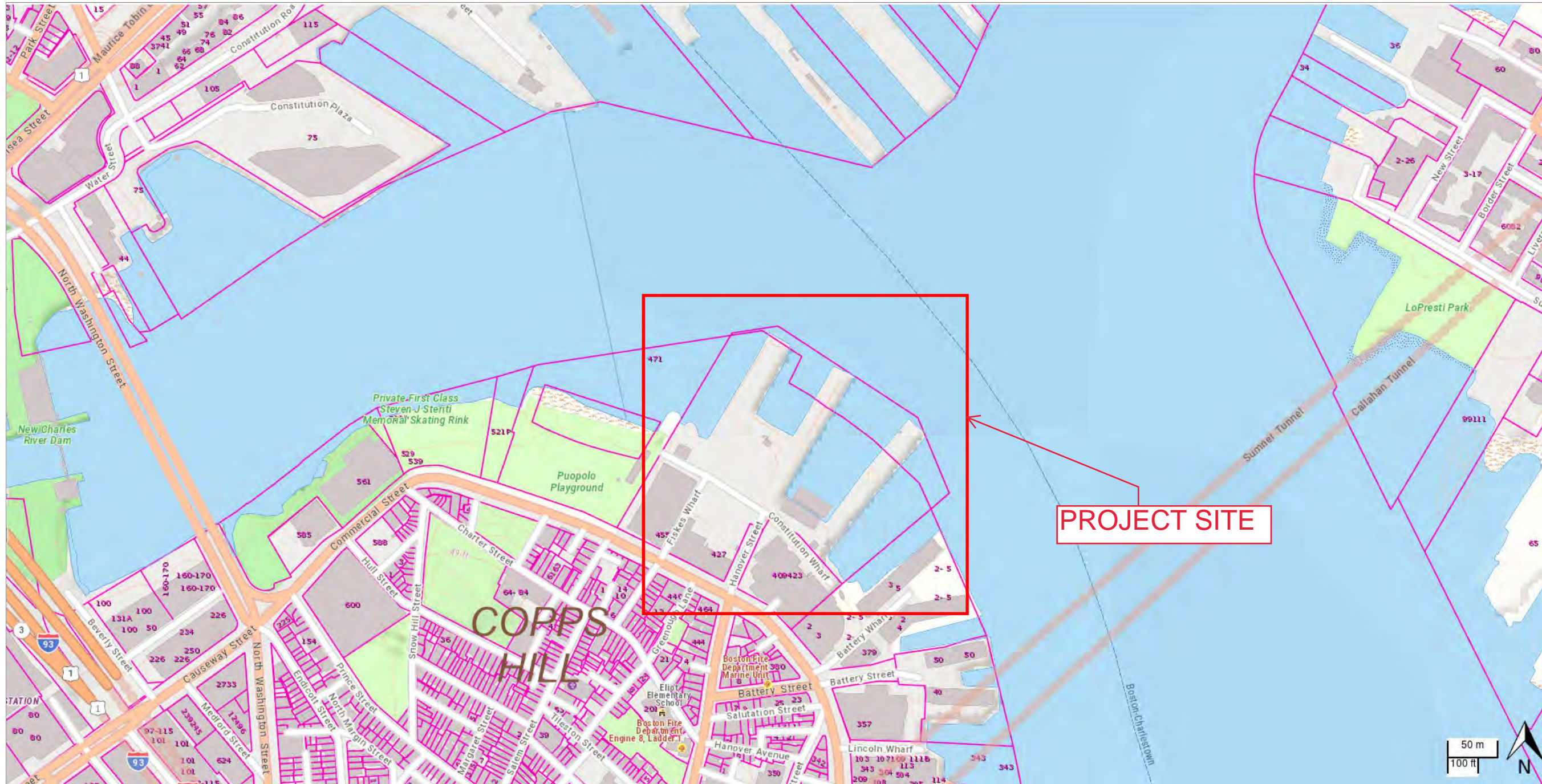
**Detailed Features**

**Tax Parcels for Display**

**Structures**

**MassGIS Statewide Features Basemap**

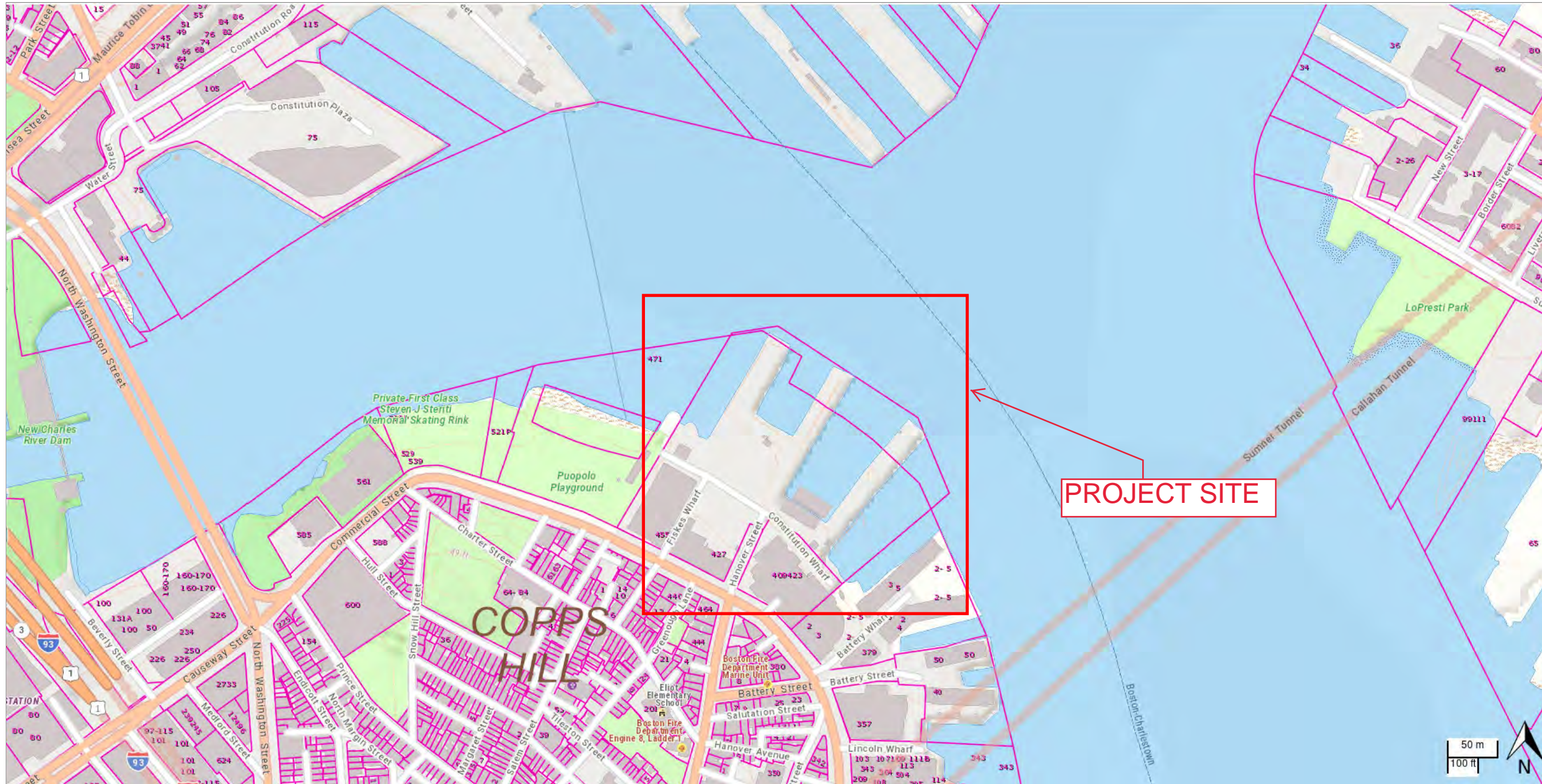
Surface Water Protection Areas



- Zone C
- Zone B
- Zone A
- Tax Parcels for Query
- Detailed Features
- Tax Parcels for Display
- Structures
- MassGIS Statewide Features Basemap

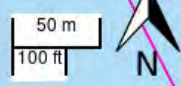
PROJECT SITE

Wellhead Protection Areas



- Zone IIs Dissolved
- Zone IIs
- Zone IIs Dissolved
- Zone IIs
- IWPAs Dissolved
- IWPAs
- Tax Parcels for Query
- Detailed Features
- Tax Parcels for Display
- Structures
- MassGIS Supplemental Features Basemap

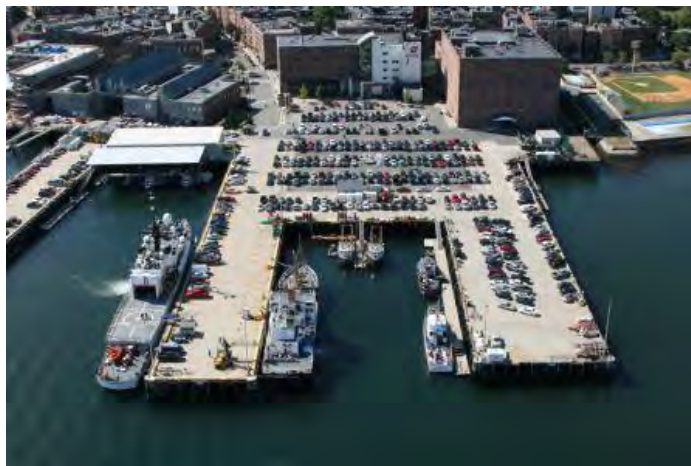
PROJECT SITE



**Stormwater Pollution Prevention Plan**  
**United States Coast Guard**  
**Base Boston**  
**427 Commercial Street**  
**Boston, Massachusetts 02109-1027**



**September 2015**



## Contents

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<b>SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION</b> .....	<b>1</b>
1.1 Facility Information .....	1
1.2 Contact Information/Responsible Parties .....	2
1.3 Stormwater Pollution Prevention Team .....	3
1.4 Activities at the Facility .....	4
1.5 General Location Map .....	4
1.6 Site Map.....	5
<b>SECTION 2: POTENTIAL POLLUTANT SOURCES</b> .....	<b>6</b>
2.1 Industrial Activity and Associated Pollutants .....	6
2.2 Spills and Leaks.....	7
2.3 Non-Stormwater Discharges Documentation .....	8
2.4 Salt Storage .....	8
2.5 Sampling Data Summary .....	9
<b>SECTION 3: STORMWATER CONTROL MEASURES</b> .....	<b>10</b>
3.1 Minimize Exposure.....	10
3.2 Good Housekeeping.....	11
3.3 Maintenance.....	13
3.4 Spill Prevention and Response.....	14
3.5 Erosion and Sediment Controls .....	14
3.6 Management of Runoff .....	15
3.7 Salt Storage Piles or Piles Containing Salt .....	15
3.8 MSGP Sector-Specific Non-Numeric Effluent Limits .....	15
3.9 Employee Training .....	16
3.10 Non-Stormwater Discharges .....	16
3.11 Waste, Garbage and Floatable Debris .....	17
3.12 Dust Generation and Vehicle Tracking of Industrial Materials .....	18
<b>SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING</b> .....	<b>19</b>
<b>SECTION 5: INSPECTIONS</b> .....	<b>24</b>
<b>SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS</b> .....	<b>29</b>
6.1 Documentation Regarding Endangered Species .....	29
6.2 Documentation Regarding Historic Properties.....	29
6.3 Documentation Regarding NEPA Review (if applicable) .....	29
<b>SECTION 7: SWPPP CERTIFICATION</b> .....	<b>30</b>
<b>SECTION 8: SWPPP MODIFICATIONS</b> .....	<b>31</b>
<b>SWPPP ATTACHMENTS</b>	

- APPENDIX A: General Location Map
- APPENDIX B: Site Map
- APPENDIX C: Notice of Intent (NOI)
- APPENDIX D: Acknowledgement Letter from NOI Processing Center
- APPENDIX E: Multi-Sector General Permit (Year 2015)
- APPENDIX F: Documentation Regarding Endangered Species
- APPENDIX G: Spill, Leak, or Other Release Reports
- APPENDIX H: Employee Training Records
- APPENDIX I: Maintenance and Repairs of Control Measures
- APPENDIX J: Routine Facility, Quarterly, and Annual Inspection Reports
- APPENDIX K: Monitoring Data
- APPENDIX L: Benchmark Exceedance Reports
- APPENDIX M: Corrective Action Reports
- APPENDIX N: Deviations from the Schedule
- APPENDIX O: Change in Facility Status
- APPENDIX P: SWPPP Modifications

## **REFERENCES**

- (a) COMDTINST M16455.10 Emergency Planning and Community Right-to-Know Act and Pollution Prevention
- (b) COMDTINST M10360.3C Coatings and Colors Manual
- (c) COMDTINST M 16478.1B Hazardous Waste Management Manual
- (d) 2015 Spill Prevention Control and Countermeasures (SPCC) Plan
- (e) 40 CFR 122 National Pollution Discharge Elimination System
- (f) 40 CFR 136 Guidelines Establishing Test Procedures for the Analysis of Pollutants
- (g) 40 CFR 110 Discharge of Oil
- (h) 40 CFR 112 Oil Pollution Prevention



<b>LIST OF ACRONYMS</b>	
AST	Aboveground Storage Tank
BCC	Boston Conservation Commission
BMP	Best Management Practice
BASE	Base Boston
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMR	Code of Massachusetts Regulations
CWA	Clean Water Act
EPA	Environmental Protection Agency
EPO	Engineering Petty Officer
ESA	Endangered Species Act
HM	Hazardous Material
HW	Hazardous Waste
MassDEP	Massachusetts Department of Environmental Protection
MSGP	Multi-Sector General Permit
NEPA	National Environmental Policy Act
NOI	Notice of Intent
NPDES	National Pollution Discharge Elimination System
NRHP	National Registry of Historic Places
NSPS	New Source Performance Standards
PPC	Pollution Prevention Coordinator
PPT	Pollution Prevention Team
SERC	State Emergency Response Commission
SHPO	State Historic Preservation Office
SIC	Standard Industrial Classification
SOP	Standard Operating Procedure
SPCC	Spill Prevention Control and Countermeasure
TMDL	Total Maximum Daily Loads
USGS	U. S. Geological Survey
UST	Underground Storage Tank

# SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

## 1.1 Facility Information

### Instructions:

- You will need the information from this section to complete your NOI.
- For further instruction, refer to the 2015 MSGP NOI form and instructions – specifically section G and H of the NOI. A copy of the 2015 MSGP NOI is available at [www.epa.gov/npdes/stormwater/msgp](http://www.epa.gov/npdes/stormwater/msgp) (Appendix G of the permit)
- Detailed information on determining your site's latitude and longitude can be found at [www.epa.gov/npdes/stormwater/latlong](http://www.epa.gov/npdes/stormwater/latlong).
- You must include a copy of the 2015 MSGP, or a reference or link to where a copy can be found, in Attachment C of your SWPPP.

### Facility Information

Name of Facility: U.S. Coast Guard Base Boston

Street: 427 Commercial Street

City: Boston State: MA ZIP Code: 02109-1027

County or Similar Subdivision: Suffolk

Permit Tracking Number: NA (if covered under a previous permit)

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:

Longitude:

1. 42°22'08" N (degrees, minutes, seconds)

1. 71°03'07" W (degrees, minutes, seconds)

2. \_\_\_° \_\_\_' \_\_\_" N (degrees, minutes, decimal)

2. \_\_\_° \_\_\_' \_\_\_" W (degrees, minutes, decimal)

3. \_\_\_\_.\_\_\_\_° N (decimal)

3. \_\_\_\_.\_\_\_\_° W (decimal)

Method for determining latitude/longitude (check one):

USGS topographic map (specify scale: \_\_\_\_\_)

EPA Web site

GPS

Other (please specify): previous facility SWPPP

Is the facility located in Indian Country?  Yes  No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." \_\_\_\_\_

Is this facility considered a Federal Facility?

Yes

No

Estimated area of industrial activity at site exposed to stormwater: 11 acres (acres)



**Facility Owner (s):**

Name: Commanding Officer, USCG Base Boston  
 Address: 427 Commercial Street  
 City, State, Zip Code: Boston, MA 02109-1027  
 Telephone Number: (617) 223-3336

**SWPPP Contact:**

Name: Keith Girouard, Environmental Protection Specialist  
 Telephone number: (617) 223-3387

### **1.3 Stormwater Pollution Prevention Team**

**Instructions (see 2008 MSGP Part 5.1.1):**

- Identify the staff members (by name or title) that comprise the facility's stormwater pollution prevention team as well as their individual responsibilities.
- Your stormwater pollution prevention team is responsible for assisting the facility manager in developing and revising the facility's SWPPP, implementing and maintaining control measures/BMPs, and taking corrective actions where required. Each member of the stormwater pollution prevention team must have ready access to either an electronic or paper copy of applicable portions of the MSGP and your SWPPP.

<b>STORMWATER POLLUTION PREVENTION TEAM</b>	
<b>Staff Names</b>	<b>Individual Responsibilities</b>
Commanding Officer USCG Base Boston	Signs the NOI
Facilities Engineer	Funding/contracting Pollution Prevention Team Leader Implementation of SWPPP
Environmental Protection Specialist	Pollution Prevention Team Member Conducts Inspections Records Management Maintains SWPPP and Permits
HazMin Center Manager	Pollution Prevention Team (PPT) Member
Hazardous Waste Coordinator	PPT Member

## 1.4 *Activities at the Facility*

**Instructions (see 2008 MSGP Part 5.1.2):**

- Provide a general description of the nature of the industrial activities at your facility.

U.S. Coast Guard Base Boston performs ship repair operations and is located at 427 Commercial Street, Boston, Massachusetts, which occupies approximately 11 acres of Boston Harbor waterfront area in the North End section of downtown Boston, Massachusetts. The Facility is the largest U.S. Coast Guard industrial/support facility in the New England region.

The Facility contains major structures that occupy a total of approximately 400,000 square feet of the property. In addition, there are three large piers with a controlling mooring depth of 25 feet and a normal tidal range of approximately 9.5 feet.

The mission of Base Boston is to provide various support activities to both major and minor U.S. Coast Guard units in the surrounding area and to act as a host to other U.S. Coast Guard units co-located at or visiting Base Boston.

In addition to its own engineering, administration, medical, supply and morale activities, Base Boston is a host to several other U.S. Coast Guard units and various non-U.S. Coast Guard related organizations.

## 1.5 *General Location Map*

**Instructions (see 2008 MSGP Part 5.1.2):**

- Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map) with enough detail to identify the location of your facility and all receiving waters for your stormwater discharges (include as Attachment A of this SWPPP Template).

A copy of the general location map for this facility is found in Attachment A.

## 1.6 Site Map

### Instructions (see 2008 MSGP Part 5.1.2):

- Include a map showing the following information. The site map should be included as Attachment B of this SWPPP Template.
  - the size of the property in acres;
  - the location and extent of significant structures and impervious surfaces;
  - directions of stormwater flow (use arrows);
  - locations of all existing structural control measures;
  - locations of all receiving waters in the immediate vicinity of your facility, indicating if any of the waters are impaired and, if so, whether the waters have TMDLs established for them;
  - locations of all stormwater conveyances including ditches, pipes, and swales;
  - locations of potential pollutant sources identified under MSGP, Part 5.1.3.2;
  - locations where significant spills or leaks identified under MSGP, Part 5.1.3.3 have occurred;
  - locations of all stormwater monitoring points;
  - locations of stormwater inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 1, No. 2, etc), indicating if you are treating one or more outfalls as “substantially identical” under MSGP, Parts 4.2.3, 5.1.5.2, and 6.1.1, and an approximate outline of the areas draining to each outfall;
  - municipal separate storm sewer systems, where your stormwater discharges to them;
  - locations and descriptions of all non-stormwater discharges identified under MSGP, Part 2.1.2.10;
  - locations of the following activities where such activities are exposed to precipitation:
    - fueling stations;
    - vehicle and equipment maintenance and/or cleaning areas;
    - loading/unloading areas;
    - locations used for the treatment, storage, or disposal of wastes;
    - liquid storage tanks;
    - processing and storage areas;
    - immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;
    - transfer areas for substances in bulk;
    - machinery; and
  - locations and sources of run-on to your site from adjacent property that contains significant quantities of pollutants.

A copy of the site map for this facility is found in Appendix B.

## SECTION 2: POTENTIAL POLLUTANT SOURCES

### Instructions (see 2008 MSGP Part 5.1.3):

- In this section, you are required to describe areas at your facility where industrial materials or activities are exposed to stormwater or from which allowable non-stormwater discharges are released.

### 2.1 Industrial Activity and Associated Pollutants

### Instructions (see 2008 MSGP Parts 5.1.3.1 and 5.1.3.2):

- Include a list of industrial activities exposed to stormwater (e.g., material storage; equipment/vehicle fueling, maintenance, and cleaning; cutting steel beams) and the pollutants or pollutant constituents (e.g., motor oil, fuel, battery acid, and cleaning solvents) associated with these activities.
- In your list of pollutants associated with your industrial activities, include all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to stormwater in the 3 years prior to the date you prepare your SWPPP.

Industrial Activity	Associated Pollutants
Hazardous materials storage	Oil, hydraulic oil, gasoline, diesel, paint, paint chips, spent abrasives
Dirty engine parts storage	Waste oil, solids
Trash storage (dumpster)	Leakage of potentially hazardous materials
Vehicle parking	Oil, diesel, gasoline
Aboveground storage tanks	Diesel fuel
Underground storage tanks	No. 2 fuel oil
Electrical transformers	Mineral oil
Roof compressor	Compressor oil
Roof drains	Solids
Scrap storage	Oil, solids

## 2.2 Spills and Leaks

### Instructions (See 2008 MSGP Part 5.1.3.3):

- Include the following in this section:
  - o **Potential spills and leaks:** A description of where potential spills and leaks could occur at your site that could contribute pollutants to your stormwater discharge, and specify which outfall(s) are likely to be affected by such spills and leaks.
  - o **Past spills and leaks:** A description of significant spills and leaks in the past 3 years of oil or toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance.
- *Note: Significant spills and leaks include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under CWA Section 311 (see 40 CFR 110.6 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC 9602*

### Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Building 8 outside	Outfall Nos. 1, 2
Building 15 outside	Outfall No. 1
Pier 1 parking area	Outfall No. 3
Piers 1 and 2/Fiske Alley parking areas	Outfall No. 4
Building 4 outside	Outfall No. 4
Building 11 outside	Outfall No. 4
Building 14 outside	Outfall Nos. 6, 7, 8, 9
Building 7 outside	Outfall No. 7
Hanover Street extension	Outfall No. 7

### Description of Past Spills/Leaks

Date	Description	Outfalls
Unknown	While a former 4,000-gallon diesel fuel underground storage tank (UST) was being fueled, the UST's vent failed and released some diesel fuel onto some vehicles parked nearby. Approximately 1-2 gallons of diesel fuel were released to Boston Harbor and dissipated.	Outfall Nos. 1,2, and 4 (approximately halfway between Buildings 8 and 11)



## 2.3 *Non-Stormwater Discharges Documentation*

### **Instructions (see 2008 MSGP Part 5.1.3.4):**

- The questions below require you to provide documentation of the following:
  - Your evaluation for the presence of non-stormwater discharges at your site; and
  - Your elimination of any unauthorized non-stormwater discharges.

- Date of evaluation: 23 May 2008
- Description of the evaluation criteria used:
  - Inspection for evidence of or potential for pollutants entering the Facility drainage system.
  - Evaluation of the BMP's that were implemented to reduce pollutant discharges to determine if they are adequate.
  - Observation of any installed structural controls to determine if they are performing as needed to achieve the requirements of the General Permit.
  - Evaluation of the Facility's overall compliance with the General Permit.
- List of the outfalls or onsite drainage points that were directly observed during the evaluation: All outfalls and the entire facility were evaluated.
- Different types of non-stormwater discharge(s) and source locations: No non-stormwater discharges were observed.
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an NPDES permit application was submitted for an unauthorized cooling water discharge: No unauthorized discharges were identified.

## 2.4 *Salt Storage*

### **Instructions (see 2008 MSGP Part 5.1.3.5):**

- Document the location of any storage piles containing salt used for deicing or other commercial or industrial purposes.
- Note: You will be asked additional questions concerning salt storage in Section 3.7 of this SWPPP template, below.

There are storage piles containing salt used for treatment of snow/ice during the winter months.

## 2.5 *Sampling Data Summary*

**Instructions (See 2008 MSGP Part 5.1.3.6):**

- Summarize all stormwater sampling data collected from your permitted outfalls during the previous permit term.

Base Boston was covered by the MSGP 2008. During that time period, quarterly and annual facility inspections were conducted. Inspections were conducted during rainfall events, and samples were visually inspected. Laboratory analysis is not required for this facility. No findings requiring corrective action were identified by the monitoring during the inspections.

## SECTION 3: STORMWATER CONTROL MEASURES

### Instructions (See 2008 MSGP Parts 5.1.4.1 and 2.1.2):

- In Sections 3.1 - 3.12 of this SWPPP template, you are asked to describe the stormwater control measures that you have installed at your site to meet each of the permit's "non-numeric effluent limits" in Part 2.1.2 of the 2008 MSGP.

### 3.1 Minimize Exposure

### Instructions (see 2008 MSGP Part 2.1.2.1):

- Describe any structural controls or practices used to minimize the exposure of industrial activities to rain, snow, snowmelt, and runoff. Describe where the controls or practices are being implemented at your site.

<b>CONTROLS TO MINIMIZE EXPOSURE</b>	
<i>Recommended</i>	<i>Implementation at Base Boston</i>
<ul style="list-style-type: none"> <li>• Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas</li> </ul>	<ul style="list-style-type: none"> <li>• Portable secondary containment system is used when pressure washing boats.</li> </ul>
<ul style="list-style-type: none"> <li>• Locate materials, equipment, and activities so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)</li> </ul>	<ul style="list-style-type: none"> <li>• All materials and equipment are provided with the appropriate secondary containment. Leaking equipment is removed from service and repaired.</li> </ul>
<ul style="list-style-type: none"> <li>• Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants</li> </ul>	<ul style="list-style-type: none"> <li>• Spill kits are located in all areas where hazardous materials/wastes are stored.</li> </ul>
<ul style="list-style-type: none"> <li>• Use drip pans and absorbents under or around leaky vehicles and equipment or store indoors where feasible</li> </ul>	<ul style="list-style-type: none"> <li>• Leaking vehicles and equipment are promptly moved inside; if immediate relocation is not possible, pads and spill pans are utilized.</li> <li>• Personal vehicles discovered to be leaking fluids are required to be removed from the facility.</li> </ul>
<ul style="list-style-type: none"> <li>• Use spill/overflow protection equipment</li> </ul>	<ul style="list-style-type: none"> <li>• All tanks and containers are equipped with gauges to prevent overfills. Fueling contractors place buckets under fuel connections during fueling and remove them when they finish fueling.</li> <li>• All tanks are double-walled, and all drums are stored in secondary containment.</li> </ul>

<ul style="list-style-type: none"> <li>• Drain fluids from equipment and vehicles prior to onsite storage or disposal</li> </ul>	<ul style="list-style-type: none"> <li>• Storage of out-of-service vehicles and equipment on the site is not allowed.</li> </ul>
<ul style="list-style-type: none"> <li>• Perform all cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray; and ensure that all wash water drains to a proper collection system (i.e., not the stormwater drainage system).</li> </ul>	<ul style="list-style-type: none"> <li>• The majority of cleaning operations are performed inside.</li> <li>• Any cleaning performed outside will have wash water collected and properly disposed of.</li> </ul>

### 3.2 Good Housekeeping

**Instructions (see 2008 MSGP Parts 2.1.2.2 and 5.1.5.1):**

Describe any practices you are implementing to keep exposed areas of your site clean. Describe where each practice is being implemented at your site. Include here your schedule for: (1) regular pickup and disposal of waste materials, and (2) routine inspections for leaks and of the condition of drums, tanks, and containers.

<b>GOOD HOUSEKEEPING</b>	
General Yard Areas	<ul style="list-style-type: none"> <li>• Sweeping of the grounds and litter control is performed on an as-needed basis.</li> <li>• Covered trash receptacles are provided through the facility.</li> <li>• The area around the dumpster is inspected at least once daily.</li> <li>• Any paper or other refuse that is not contained in the dumpster is picked up and disposed properly.</li> <li>• Sediment traps in catch basins are inspected monthly and cleaned out when necessary.</li> <li>• Scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc., are stored in designated areas and routinely removed from the general yard area on a regular schedule.</li> <li>• General trash containers are emptied on a weekly basis.</li> <li>• Scrap material storage areas are not on or near catch basins.</li> <li>• All work areas are cleaned up on a weekly basis.</li> </ul>
<b>Sector R specific requirements (MSGP 2015 8.R.3.1) for Good Housekeeping:</b>	
Pressure Washing Area	Pressure washing is confined to the designated area outside of the Building 14 Boat Bay using a portable containment system where the wash water is collected for offsite disposal.
Blasting and Painting Area Blasting and Painting Area (cont'd.)	<ul style="list-style-type: none"> <li>• Uncontained painting, blasting, and sanding activities are prohibited.</li> <li>• Painting operations shall be conducted inside the Building 14 Paint Booth. If painting or paint removal operations must take place outside due to Mission requirements, all work will be done inside a fully-enclosed temporary shelter with the following conditions: <ul style="list-style-type: none"> <li>• All debris and paint residues will be collected.</li> <li>• All mechanical paint removal will utilize dustless tools.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Painting, blasting, and sanding activities during windy conditions, which render containment ineffective, are prohibited.</li> <li>• Uncontained blasting or sanding activities over open water are prohibited.</li> <li>• Containers of paint and paint-related materials shall be handled in a manner to minimize the possibility of a spill. All containers shall be kept closed when not in use. The containers will be kept away from traffic areas and will be returned to the proper storage cabinet immediately upon completion of work.</li> <li>• All painting operations and use of thinners and solvents will be conducted in accordance with Reference (b) of the Coatings and Colors Manual, COMDINST M10360.3C.</li> </ul>
<p>Material Storage Areas</p>	<p>Hazardous material and hazardous waste handling – All HM and HW storage and management procedures are designed to ensure no exposure to stormwater wherever possible.</p> <ul style="list-style-type: none"> <li>• Inventories of HM are restricted to a 60-day supply by Reference (a).</li> <li>• All containers of HM and HW are properly labeled and segregated.</li> <li>• All areas of HM and HW storage are equipped with secondary containment.</li> <li>• Hazardous materials not stored properly will be confiscated by the Pollution Prevention Coordinator (PPC).</li> <li>• All HW storage areas are inspected weekly in accordance with Reference (c). All areas containing oil storage containers 55-gallons or greater in capacity are inspected on a weekly basis in accordance with Reference (d).</li> </ul>
<p>Engine Maintenance and Repair Areas</p>	<p>The primary area used for maintenance and repair is inside the Building 14 Bay to ensure no exposure to stormwater.</p> <ul style="list-style-type: none"> <li>• HM inventories are maintained for each shop and have been reduced to the minimum supply required. All HM containers are kept closed when not in use.</li> <li>• The shop floor is regularly swept to collect debris. Hosing of the floor is prohibited.</li> <li>• All parts are drained of fluids and checked prior to disposal in the solid waste dumpster.</li> <li>• All waste oils, coolants, filters, rags, batteries, and other maintenance wastes are collected and properly containerized.</li> <li>• All drip pans are to be emptied into the proper container immediately upon completion of the work activity and shall not be left full at the end of the work shift.</li> <li>• In those situations where Mission needs required repairs to be completed outside, additional controls are implemented with the PPC's direction and approval and may include use of a temporary enclosure. Drip pans and pads will be utilized to contain any spills or leaks. After work is complete, the area can be cleaned by sweeping. Hosing is prohibited.</li> </ul>
<p>Material Handling Area</p>	<p>Material handling processes that may be exposed to stormwater include:</p> <ul style="list-style-type: none"> <li>• Fueling procedures –The cutters receive fuel deliveries via commercial tanker truck. All fuel transfers will be conducted in accordance with Reference (e). These fueling procedures are designed to minimize the possibility of any leaks</li> </ul>

	<p>or spills during this type of operation. Marine diesel fuel is off-loaded to the 1,000-gal aboveground storage tank (AST) from boats prior to repair work. The fuel is put back into the boat once the repair work is completed. The tank is also used for fueling equipment (e.g. cranes, bobcats, etc.) and is located outside Building 14.</p> <ul style="list-style-type: none"> <li>• Disposal of wastewaters from vessels.</li> </ul>
Drydock Activities	Base Boston does not operate a drydock.

### 3.3 Maintenance

**Instructions (see 2008 MSGP Parts 2.1.2.3 and 5.1.5.1):**

- Describe procedures (1) to maintain industrial equipment so that spills/leaks are avoided, and (2) to maintain any of your site's control measures in effective operating condition. Include the schedule you will follow for such maintenance activities. Describe where each applicable procedure is being implemented at the site.

All equipment and systems must be inspected, tested, maintained, and repaired to avoid situations that may result in leaks, spills, and other releases of pollutants in stormwater discharged to receiving waters. In addition to the quarterly and annual inspections required by this SWPPP, all HW storage areas are inspected weekly in accordance with Reference (c). All areas containing oil storage containers 55-gal or greater in capacity are inspected on a weekly basis in accordance with Reference (d). These inspections encompass all areas of the facility where HW and oil storage containers greater than 55-gal are stored and may be exposed to stormwater. Any deficiencies shall be corrected as soon as practical, but no later than 14 days after the inspection. Corrective actions shall be documented on the inspection form. The inspections are documented, and records are maintained by the PPC.

**Sector R-specific requirements (MSGP 2015 8.R.3.4) for Maintenance**

Preventive Maintenance: All major equipment, including the cranes and forklifts, are serviced in accordance with the manufacturers' recommendations based on hours of use or monthly recommendation.

### 3.4 *Spill Prevention and Response*

**Instructions (see 2008 MSGP Parts 2.1.2.4 and 5.1.5.1):**

- Describe any structural controls or procedures used to minimize the potential for leaks, spills, and other releases. You must implement the following at a minimum:
  - Procedures for plainly labeling containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
  - Preventative measures such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;
  - Procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases; and
  - Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies.
- Describe where each control is to be located or where applicable procedures will be implemented.
- Note: Some facilities may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

Spill prevention and response procedures are documented in the Base Boston Spill Prevention Control and Countermeasure (SPCC) Plan. Spill absorption pads and socks, Speedi-Dry, and overpacks are stored in the Sand Shed, in the Motorpool, and in the Basement of Building 8. Spill absorption materials are also stored near the hazardous waste storage areas. All containers of hazardous materials that may be susceptible to spillage or leakage are clearly labeled (e.g., "Used Oil," "Spent Solvents," "Fertilizers," "Pesticides," etc.). In addition, information is provided on the label regarding the hazardous nature of the material stored and the method for proper disposal.

### 3.5 *Erosion and Sediment Controls*

**Instructions (see 2008 MSGP Part 2.1.2.5):**

Describe structural or non-structural controls used at your site to stabilize exposed areas and contain runoff to minimize onsite erosion and potential offsite discharges of sediment. Note: You must at a minimum implement flow velocity dissipation devices at outfalls and discharge channels. Describe the location at your site where each control will be implemented.

Base Boston is located on a paved area with concrete docks and piers. There is virtually no exposed soil or grass. The docks and areas abutting the waterfront are inspected biennially for any signs of deterioration or failure. The waterfront area is upgraded and repaired as needed to continue support of the vessels that are home ported at the facility and to support the Base Boston Mission.

### 3.6 *Management of Runoff*

**Instructions (See 2008 MSGP Part 2.1.2.6):**

Describe controls used at your site to divert, infiltrate, reuse, contain, or otherwise reduce stormwater runoff. Describe the location at your site where each control will be implemented.

Base Boston snow management policy is based on the Massachusetts Department of Environmental Protection (MassDEP) snow removal guidance: <http://www.mass.gov/dep/water/laws/snowdisp.htm>. Disposal of snow in the harbor is normally not permitted; however, due to the small area and lack of any pervious surface available for snow accumulations, large snow piles can be created that interfere with facility operations. When a determination is made that the facility has exhausted its storage capacity and safety and operations will be affected, snow may be authorized for disposal into Boston Harbor. First, a call to the Boston Conservation Commission (BCC) is placed stating that all land-based snow disposal options are exhausted and that authorization is requested to dispose of snow that is not obviously contaminated with road salt, sand, and/or other pollutants into Boston Harbor. Second, once Base Boston receives authorization from BCC, a call is placed to MassDEP. Finally, snow can be disposed of into Boston Harbor.

### 3.7 *Salt Storage Piles or Piles Containing Salt*

**Instructions (see 2008 MSGP Part 2.1.2.7):**

If applicable, describe structures at your site that either cover or enclose salt storage piles or piles containing salt, or that prevent the discharge of stormwater from such piles. Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile. Describe the location at your site where each control and/or procedure will be implemented.

There are piles containing salt used for treating snow/ice during the winter months stored inside the Sand Shed Building at Base Boston.

### 3.8 *MSGP Sector-Specific Non-Numeric Effluent Limits*

**Instructions (see 2008 MSGP Part 2.1.2.8):**

- Describe any controls or procedures that will be used at your site to comply with any sector-specific requirements that apply to you in Part 8 of the 2008 MSGP. Describe the location at your site where each control and/or procedure will be implemented.
- Note: Sector-specific effluent limits apply to Sectors A, E, F, G, H, I, L, M, N, O, P, Q, R, S, T, U, V, X, Y, Z, and AA.

The sector specific limits are incorporated in Sections 3.2 and 3.3 above.



### 3.9 Employee Training

**Instructions (see 2008 MSGP Parts 2.1.2.9 and 5.1.5.1):**

Describe your plan for training the employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of the 2008 MSGP, including all members of your Pollution Prevention Team. Included in your description must be the frequency of training (note: recommended at least one time per year), and the schedule you will follow.

USCG employees and onsite contractors who are expected to work in industrial areas where they are working with or exposed to stormwater shall be briefed by the PPC on the stormwater program and the objectives of this SWPPP during check-in procedures. In addition, employees working in industrial areas will take the annual SWPP Training and SPCC on-line training through EnviroManager Web Training available at <http://www.uscgems.org/>. These two training briefings cover the following:

1. Pollution control laws and regulations
2. The goals of the SWPPP
3. The content of the SWPPP
4. The Pollution Prevention System to be utilized in each drainage area
5. Facility spill/release emergency response procedures
6. Personnel responsibilities

*Sector R-specific requirements (MSGP 2015 8.R.3.2) for Employee Training*

7. Procedures and practices related to boat maintenance (MSGP 2015 Sector R, 8.R.3.1)
  - Used oil management
  - Disposal of spent solvent and abrasives
  - Disposal of vessel wastewaters
  - Spill prevention and control
  - Fueling procedures
  - Good housekeeping practices
  - Painting and blasting procedures
  - Used battery management

### 3.10 Non-Stormwater Discharges

**Instructions (see 2008 MSGP 2.1.2.10):**

Describe how you eliminated any unauthorized non-stormwater discharges at your site. The unauthorized non-stormwater discharges include any non-stormwater discharges that are not specifically identified in Part 1.1.3 of the 2008 MSGP. Note: If this section is already addressed by your documentation for Section 2.3 of the SWPPP template, you can simply include a cross-reference to that section of your SWPPP.

The following non-stormwater discharges are prohibited for Sector R (MSGP 2015 Sector R, 8.R.2.1):

- Discharge of bilge and ballast water
- Sanitary waste
- Pressure wash water
- Cooling water originating from vessels.

### **3.11 Waste, Garbage and Floatable Debris**

**Instructions (see 2008 MSGP Part 2.1.2.11):**

Describe controls and procedures that will be used at your site to minimize discharges of waste, garbage, and floatable debris. Describe the location at your site where each control and/or procedure will be implemented.

Solid waste management:

Scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc., must be stored in designated areas and routinely removed from the general yard area, preferably on a regular schedule. General trash containers should be emptied on a weekly basis. Scrap material storage areas should not be on or near catch basins. All work areas should be cleaned up on a weekly basis. Dumpsters are located in the following locations:

- (a) One large closed-top dumpster/compactor located near Shipping and Receiving. This dumpster is designated for household/office-type waste/rubbish (i.e. cartons, food waste).
- (b) One large open-top dumpster located near Shipping and Receiving. This dumpster is designated for trash other than food products. Examples are furniture, carpeting, old life jackets, etc.
- (c) One large (white) dumpster/compactor located near Shipping and Receiving. This dumpster is designated for cardboard only.
- (d) One large open-top dumpster located near Shipping and Receiving. This dumpster is designated for scrap metal only, excluding aluminum, steel, and brass. Any non-metallic items are prohibited.
- (e) Three small dumpsters located outside the Building 14 Boat Bay. These dumpsters are designated for recyclable metal only (aluminum, steel, and brass).
- (f) All electronics. Examples are TVs, radios, computer monitors, etc. These objects are to be turned into the Hazardous Waste Office.

Hazardous materials are prohibited from being deposited into any dumpster. These dumpsters are inspected daily for improperly disposed items, such as containers with liquids. Base Boston personnel shall

routinely sweep the parking areas, general yard area, and other paved areas to collect trash and debris to minimize the amount of debris that could be transported to Boston Inner Harbor.

### **3.12 Dust Generation and Vehicle Tracking of Industrial Materials**

**Instructions (see 2008 MSGP Part 2.1.2.12):**

Describe controls and procedures you will use at your site to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Describe the location at your site where each control and/or procedures will be implemented.

- The waterfront area is routinely swept to remove trash, debris, and dirt. Industrial materials are not stored outside where they could be exposed to stormwater or be dispersed by wind.
- Dust-generating activities such as boat hull sanding are covered in the discussion of Good Housekeeping.
- Vehicles are not normally exposed to industrial materials in a manner that would allow tracking. In the case of a spill or leak, vehicle access would be restricted until the spill could be cleaned up.

## SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

### Instructions (see 2008 MSGP Part 5.1.5.2):

- Describe your procedures for conducting the five types of analytical monitoring specified by the MSGP, where applicable to your facility, including:
  - Benchmark monitoring (2008 MSGP, Part 6.2.1 and relevant requirements in Part 8 and/or Part 9);
  - Effluent limitations guidelines monitoring (2008 MSGP, Part 6.2.2 and relevant requirements in Part 8);
  - State- or Tribal-specific monitoring (2008 MSGP, Part 6.2.3 and relevant requirements in Part 9);
  - Impaired waters monitoring (2008 MSGP, Part 6.2.4); and
  - Other monitoring as required by EPA (2008 MSGP, Part 6.2.5).
  
- Depending on the type of facility you operate, and the monitoring requirements to which you are subject, you must collect and analyze stormwater samples and document monitoring activities consistent with the procedures described in 2008 MSGP, Part 6 and Appendix B, Subsections 10 – 12, and any additional sector-specific or State/Tribal-specific requirements in 2008 MSGP, Parts 8 and 9, respectively. Refer to 2008 MSGP, Part 7 for reporting and recordkeeping requirements. Note: All monitoring must be conducted in accordance with the relevant sampling and analysis requirements at 40 CFR Part 136. Include in your description procedures for ensuring compliance with these requirements.
  
- If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, you must include in your SWPPP the information to support this claim as required by 2008 MSGP, Part 6.2.1.3.
  
- If you plan to use the substantially identical outfall exception for your benchmark monitoring requirements in 2008 MSGP, Part 6.2.1 and/or your quarterly visual assessment requirements in 2008 MSGP, Part 4.2.3, you must include the following documentation:
  - Location of each of the substantially identical outfalls;
  - Description of the general industrial activities conducted in the drainage area of each outfall;
  - Description of the control measures implemented in the drainage area of each outfall;
  - Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges;
  - An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%); and
  - Why the outfalls are expected to discharge substantially identical effluents.

1. **Sample Location(s).** Describe where samples will be collected, including any determination that two or more outfalls are substantially identical. See table below.
2. **Pollutant Parameters to be Sampled.** Include a list of the pollutant parameters that will be sampled and the frequency of sampling for each parameter. See table below.
3. **Monitoring Schedules.** Include the schedule you will follow for monitoring your stormwater discharge, including where applicable any alternate monitoring periods to be used for facilities in climates with irregular stormwater runoff (2015 MSGP, Part 6.1.6). See table below.

4. **Numeric Limitations.** List here any pollutant parameters subject to numeric limits (effluent limitations guidelines), and which outfalls are subject to such limits. Note that numeric limits are only included for Sectors A, C, D, E, J, K, L, and O. Not applicable to Sector R.
5. **Procedures.** Describe procedures you will follow for collecting samples, including responsible staff who will be involved, logistics for taking and handling samples, laboratory to be used, etc. See table below.

<b>SCHEDULES AND PROCEDURES FOR MONITORING</b>		
Under Sector R, Base Boston is required to conduct Impaired Waters and Massachusetts-Specific Benchmark Monitoring.		
<b>SAMPLING LOCATION</b>		
All monitoring samples are to be collected from the catch basins immediately prior to the outfalls. Hardness samples will be collected from Boston Inner Harbor in an area near the monitoring location.		
All monitoring parameters must be sampled and analyzed in accordance with approved methods in 40 CFR Part 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants. The method selected must have a method detection limit that is below the <i>Benchmark Monitoring Concentration</i> .		
<b>IMPAIRED WATERS MONITORING</b>		
Beginning in the first full quarter following 1 October 2015, monitoring is required once per year for stormwater discharges to impaired waters without a U. S. Environmental Protection Agency (EPA)-approved or established TMDL. Boston Inner Harbor is identified in the Massachusetts Year 2006 Integrated List of Waters as a Category 5. Impaired water body Category 5 includes those water bodies that are not expected to meet surface water quality standards after the implementation of technology-based controls and, as such, require the development of TMDLs. The list identifies the specific pollutant or stressor causing the impairment. The permit requires monitoring for all pollutants for which the water body is impaired. Boston Inner Harbor has been identified as impaired for pathogens and priority organics.		
There is no test for pathogens. Instead, a bacterium is used as the indicator organism. In Massachusetts, <i>Escherichia col.</i> (E. coli) is used in fresh receiving waters and <i>Enterococcus species</i> in saline receiving waters. After the first year, annual sampling is required unless the bacteria are not detected above natural background levels. Given the difficulty of determining a natural background level for bacteria, the first year results will be evaluated in consultation with EPA Region 1 and MassDEP personnel. A final decision on the need to continue the annual sampling requirement will be made at that time.		
<b>Schedule</b>	Annually Beginning 2016	April 1 – June 30
<b>Impairment Parameter</b>	Pathogens and Priority Organics	
<b>Indicator Pollutant</b>	<i>Enterococcus species</i>	
<b>MASSACHUSETTS-SPECIFIC BENCHMARK MONITORING</b>		
The Massachusetts Coastal Zone Management Program added benchmark monitoring requirements for aluminum, iron, lead, copper, and tributyltin. All four of the quarterly monitoring samples must meet the benchmark monitoring concentration before monitoring can be discontinued. Lead and copper benchmarks are hardness-dependent. One sample of the receiving water, Boston Inner Harbor, will be collected to determine the hardness. Based on this value, a benchmark monitoring concentration for lead and copper will be determined.		

Additional Massachusetts-specific permit requirements apply to facilities with discharges to Outstanding Resource Waters. According to the *Basin Classification Map for Massachusetts*, 314 CMR 4.06, Boston Inner Harbor is not a listed Outstanding Resource Water.

NOTE: On 10 April 2009, EPA Region I issued the following statement: "For those Operators that have sought or received coverage for their primary or co-located industrial activities under Sector Q: Water Transportation or Sector R: Ship and Boat Building and Repairing Yards, MassDEP recently modified its water quality certification of the 2008MSGP with respect to the required benchmark monitoring parameters originally included in Part 9.1.2.5 of the permit. MassDEP has proposed to eliminate the metal tributyltin in its entirety as a state-specific monitoring parameter previously added to Sectors Q and R. Based upon this and a request from an affected permittee to remove tributyltin as a required monitoring parameter, EPA is now considering modifying the 2008 MSGP to reflect MassDEP's modified water quality certification pursuant to 40 CFR 124.55(b). If the 2008 MSGP is so modified, EPA will notice the modification in the Federal Register and make it available at its MSGP website: <http://cfpub.epa.gov/npdes/stormwater/msgp.cfm>."

At this time, no testing for tributyltin will be conducted. No approved test method has been made available.

<b>Schedule</b>	Quarterly until all four quarterly samples are below <i>Benchmark Monitoring Concentration</i> . Hardness sample to be collected at the same time as first quarterly samples.		Beginning 2009: April 1 – June 30 July 1 – September 30 October 1 – December 31 January 1 – March 31
<b>Monitoring Parameters</b>	Aluminum	Iron	Tributyltin
<b>Benchmark Monitoring Concentration</b>	mg/L 0.75	mg/L 1.0	ug/L 0.42
<b>Hardness Dependent Monitoring Parameters</b>	Hardness (mg/L CaCO <sub>3</sub> )	Lead (mg/L)	Copper (mg/L)
Benchmark Monitoring Concentration for lead and copper determined by hardness concentration in receiving water.	0-25 25-50 50-75 75-100 100-125 125-150 150-175 175-200 200-225 225-250 250+	0.014 0.023 0.045 0.069 0.095 0.122 0.151 0.182 0.213 0.246 0.262	0.0038 0.0056 0.0090 0.0123 0.0156 0.0189 0.0221 0.0253 0.0285 0.0316 0.0332

**Evaluation of Results**

1. After each quarterly sampling, compare test results with Benchmark Monitoring Concentrations
2. If all four quarterly samples are below the Benchmark Monitoring Concentration, the sampling can be discontinued after completion of the first four quarterly sampling events.
3. If any one sample for any parameter is above a Benchmark Monitoring Concentration, sampling for that

parameter must continue until four quarterly results below the Benchmark Monitoring Concentration are obtained.

Corrective Action:

1. If the average of the four quarterly samples exceeds the Benchmark Monitoring Concentration for any parameter, implementation of corrective action in accordance with Section 6.4 below will be required.
2. Take the corrective action and continue monitoring until all four quarterly samples are below the Benchmark Monitoring Concentration.
3. If no further corrective action is possible, document the rationale for this conclusion and retain this along with all monitoring data in the SWPPP in Appendix M.

### Reporting

All monitoring data must be submitted to EPA using EPA's online eNOI system no later than 30 days after receipt of the laboratory results <http://cfpub.epa.gov/npdes/stormwater/enoi.cfm>. Monitoring results that identify an exceedance of an effluent limit or benchmark must also be submitted to MassDEP, along with a description of the corrective actions required and undertaken to meet the limit.

MA Dept. of Environmental Protection  
Bureau of Waste Prevention  
One Winter Street  
Boston, MA 02108

### Substantially identical outfall exception (if applicable)

If you plan to use the substantially identical outfall exception for your benchmark monitoring and/or quarterly visual assessment requirements, include the following information here to substantiate your claim that these outfalls are substantially identical:

- Location of each of the substantially identical outfalls:

Base Boston collects samples from each outfall and is not planning on using the identical outfall exception.

- Description of the general industrial activities conducted in the drainage area of each outfall:

The Sector R Ship and Boat Building and Repair activities are restricted to the area surrounding Building 14. This is the area where boats are hauled and pressure washed. The remainder of the facility is used for boat mooring, with over-the-water fuel and waste transfer as the primary activity, along with personal vehicle parking.

- Description of the control measures implemented in the drainage area of each outfall:

Applicable control measures are described above in 3.1 Minimize Exposure and 3.2 Good Housekeeping.

- Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges:

## POTENTIAL POLLUTANT SOURCES TO OUTFALLS

Outfall Number	Potential Pollutant Sources
1	Outfall No. 1 receives stormwater from a catch basin to the west of Building 8 and roof drains on Building 15.
2	Outfall No. 2 receives stormwater from a catch basin to the north of Building 8. Sources of pollution in the paved area to the north of Building 8: <ul style="list-style-type: none"> <li>• Scrap material stored around the catch basin</li> <li>• Oily equipment stored near the catch basin</li> </ul>
3	Outfall No. 3 receives stormwater from a catch basin located in a paved parking area to the south of Pier 1.
4	Outfall No. 4 receives stormwater from catch basins located in a paved parking area to the south of Piers 1 and 2 and Fiske Alley and the roof drains from Building 4. Sources of pollution include: <ul style="list-style-type: none"> <li>• Leakage from the dumpster located adjacent to the Sand Shed</li> <li>• Spillage of No. 2 fuel oil during filling of UST located under Fiske Alley</li> <li>• Releases of waste oil or gasoline from vehicles in the paved parking lot</li> <li>• Leakage from trash barrels in parking area</li> <li>• Releases from the one electrical transformer (mineral oil) beside Building 11</li> <li>• Releases from compressor located on the roof</li> </ul>
6	Outfall No. 6 receives stormwater from three catch basins located in a paved area in the vicinity of the shed used for the storage of hazardous wastes. Sources of pollution include possible releases from the hazardous waste storage sheds, releases of waste oil or gasoline from vehicles driving or parked in the area, and leaks from two trash barrels located to the west of Building 14.
7	Outfall No. 7 receives stormwater from a catch basin in the paved area between Building 14 and Building 7 and a catch basin on the east side of Hanover Street Extension.
8	Outfall No. 8 receives stormwater from the roof drains and drain water from the fire sprinkler system drain on the west side of Building 14. The roof drains can receive releases from the compressor located on the roof, which could also impact this outfall.
9	Outfall No. 9 receives stormwater from the roof drains and drain water from the fire sprinkler system drain on the east side of Building 14. The roof drains can receive releases from the compressor located on the roof, which could also impact this outfall.

- An estimate of the runoff coefficient of the drainage areas (low=under 40%; medium=40 to 65%; high =above 65%):



The runoff is sheet flow from the paved areas in front of the buildings, and the area is uniformly flat and impervious.

- Why the outfalls are expected to discharge substantially identical effluents:

There are similar products and processes used in the areas served by the drainage to the facility outfalls. Most of the stormwater consists of parking lot drainage.

## SECTION 5: INSPECTIONS

### Instructions:

- Describe your procedures for performing the three types of inspections required by the 2008 MSGP, including:
  - Routine facility inspections (2008 MSGP, Part 4.1);
  - Quarterly visual assessment of stormwater discharges (2008 MSGP, Part 4.2); and
  - Comprehensive site inspections (2008 MSGP, Part 4.3).
- If you are invoking the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments, you must include in your SWPPP the information to support this claim as required by 2008 MSGP, Parts 4.1.3 and 4.2.3.
- A sample routine facility inspection and quarterly visual assessment form is available on EPA's MSGP website ([www.epa.gov/npdes/stormwater/msgp](http://www.epa.gov/npdes/stormwater/msgp)) in the "Additional MSGP Documentation" file. Appendix I of the 2008 MSGP includes a comprehensive site inspection form (Annual Reporting Form).

- The names of the person or the positions of the person, responsible for inspection: See table below.
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges (2008 MSGP, Part 4.2.3): See table below.
- Specific areas of the facility to be inspected, including schedules for specific outfalls: See table below.

For the quarterly visual assessments to be performed at your site, include a description of the following:

- The name of the person(s) or the position of the person(s) responsible for inspection: See table below.
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges (2008 MSGP, Part 4.2.3): See table below.
- Specific areas of the facility to be inspected, including schedules for specific outfalls: See table below.

SCHEDULE AND PROCEDURES FOR INSPECTIONS		
ROUTINE FACILITY INSPECTIONS		
<b>Schedule</b>	Quarterly beginning 2009:	April 1 – June 30 July 1 – September 30 October 1 – December 31 January 1 – March 31
<b>Procedure</b>	Conducted by Environmental Protection Specialist	
Conduct routine facility inspections of all areas of the facility where industrial materials or activities are		

<p>exposed to stormwater, and of all stormwater control measures used to comply with the effluent limits contained in this permit.</p> <p>At least once per calendar year, this inspection must be conducted during a period when a stormwater discharge is occurring.</p>				
<b>Documentation</b>	Quarterly Routine Facility Inspection Form (Appendix J):			
	<ul style="list-style-type: none"> <li>• Inspection date and time;</li> <li>• Name(s) and signature(s) of the inspector(s);</li> <li>• Weather information and a description of any discharges occurring at the time of the inspection;</li> <li>• Any previously unidentified discharges of pollutants from the site;</li> <li>• Any control measures needing maintenance or repairs;</li> <li>• Any failed control measures that need replacement;</li> <li>• Any incidents of noncompliance observed; and</li> <li>• Any additional control measures needed to comply with the permit requirements.</li> </ul>			
<b>Reporting</b>	Not required unless a condition requiring corrective action is discovered. See Corrective Action Table below.			
<b>VISUAL ASSESSMENT OF STORMWATER DISCHARGES</b>				
<b>Schedule</b>	Quarterly beginning 2009:	April 1 – June 30	July 1 – September 30	October 1 – December 31 January 1 – March 31
<b>Procedures</b>	Conducted by Environmental Protection Specialist			
	<ul style="list-style-type: none"> <li>• Collect samples within the first 30 minutes of discharge from a storm event or as soon as practical.</li> <li>• Collect sample in a clean clear glass or plastic container and examine in a well-lit area for:</li> </ul>			
Odor	Clarity	Settled solids	Foam	Other obvious indicators of stormwater pollution
Color	Floating solids	Suspended solids	Oil sheen	
<b>Documentation</b>	Quarterly Routine Facility Inspection Form (Appendix J):			
	<ul style="list-style-type: none"> <li>• Sample location(s)</li> <li>• Sample collection date and time and visual assessment date and time for each sample;</li> <li>• Personnel collecting the sample and performing visual assessment and their signatures;</li> <li>• Nature of the discharge (i.e., runoff or snowmelt);</li> <li>• Results of observations of the stormwater discharge;</li> <li>• Probable sources of any observed stormwater contamination.</li> <li>• If applicable, why it was not possible to take samples within the first 30 minutes.</li> </ul>			
<b>Reporting</b>	Not required unless a condition requiring corrective action is discovered. See Corrective Action Table below.			

<b>COMPREHENSIVE SITE INSPECTIONS</b>		
<b>Schedule</b>	Annual beginning 2009:	January 1 – December 31
<b>Procedures</b>	Conducted by the PPT	
<p>Inspect all areas where industrial material and activities are exposed to stormwater and any area where spills and leaks have occurred within the past 3 years. Look for:</p> <ul style="list-style-type: none"> <li>• Industrial materials, residue, or trash on the ground that could contaminate or be washed away in storm</li> </ul>		

<p>water</p> <ul style="list-style-type: none"> <li>• Leaks or spills from equipment, drums, tanks, or other containers</li> <li>• Offsite tracking of industrial materials or sediment where vehicles enter or exit the site</li> <li>• Tracking or blowing of raw, final, or waste materials from areas of no stormwater exposure onto areas that are exposed to stormwater</li> <li>• Evidence of, or the potential for, pollutants entering the drainage system.</li> </ul>	
<b>Documentation</b>	Comprehensive Site Inspection/Annual Reporting Form, Appendix J
<ul style="list-style-type: none"> <li>• Date of the inspection</li> <li>• Names and titles of all personnel involved</li> <li>• Findings from the examination of all inspected areas of the facility</li> <li>• Major observations and incidents of non-compliance</li> <li>• Recommendations for action, including recommendations for revisions to the SWPPP</li> <li>• No incident of non-compliance, certification that ISC Boston is in compliance with the SWPPP, and the permit will be signed by the Facilities Engineer</li> <li>• If there are any incidents of non-compliance, the Facilities Engineer will not certify the inspection form until all corrective actions are complete.</li> </ul>	
<b>Reporting</b>	<ul style="list-style-type: none"> <li>• Submit the Annual Report within 45 days of Comprehensive Site Inspection to: US EPA Region 1 Office of Ecosystem Protection One Congress Street – CIP Boston, MA 02114</li> <li>• Maintain a copy of the report onsite with the SWPPP</li> </ul>

<b>CORRECTIVE ACTION</b>	
<b>TRIGGERING EVENTS</b>	
Permit violations requiring immediate action:	<p>If any of these occur, the SWPP Team will review and revise the selection, design, installation, and implementation of the control measures to ensure that the condition is eliminated and will not be repeated in the future.</p> <ul style="list-style-type: none"> <li>• An unauthorized release or discharge</li> <li>• EPA determines that the control measures are not stringent enough for the discharge to meet applicable water quality standards</li> <li>• An inspection or evaluation of Base Boston by an EPA official or local, State, or tribal entity determines that modifications to the control measures are necessary to meet the non-numeric effluent limits in this permit</li> <li>• The routine facility inspection, quarterly visual assessment, or comprehensive site inspection identifies control measures that are not being properly operated and maintained.</li> </ul>
Conditions indicating a potential problem:	<p>If any of the following conditions occur, the SWPP Team must review the selection, design, installation, and implementation of the control measures to determine if modifications are necessary to meet the effluent limits in this permit.</p> <ul style="list-style-type: none"> <li>• Construction or a change in design, operation, or maintenance at Base Boston significantly changes the nature of pollutants discharged in stormwater from the facility or significantly increases the quantity of pollutants discharged; or</li> </ul>

	<ul style="list-style-type: none"> <li>The average of 4 quarterly sampling results exceeds an applicable benchmark. If less than 4 benchmark samples have been taken but the results are such that an exceedance of the 4-quarter average is mathematically certain (i.e., if the sum of quarterly sample results to date is more than 4 times the benchmark level), this is considered a benchmark exceedance, triggering this review.</li> </ul>
<b>DEADLINES</b>	
Within 24 hours of discovery	<p>Document on the Corrective Action Section of the Annual Report Form:</p> <ul style="list-style-type: none"> <li>Identification of the triggering condition</li> <li>Description of the problem identified</li> <li>Date the problem was identified</li> </ul>
Within 14 days of discovery	<p>Document on the Corrective Action Section of the Annual Report Form:</p> <ul style="list-style-type: none"> <li>Summary of corrective action(s) taken or to be taken. All events listed as permit violations require a corrective action.</li> <li>Events listed as indicators of potential problems may not require a corrective action. If no action is required, document the basis for this determination.</li> <li>Note if any SWPPP modifications are required as a result of this discovery or corrective action.</li> <li>Date corrective action initiated.</li> <li>Date corrective action completed or expected to be completed.</li> </ul>
<b>REPORTING</b>	
Annual Report to EPA	<ul style="list-style-type: none"> <li>All corrective actions taken during the year are documented in the annual report submitted to EPA</li> <li>A copy of the report is maintained onsite with the SWPPP</li> <li>Submit within 45 days of Comprehensive Site Inspection</li> </ul>

## SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS

### 6.1 *Documentation Regarding Endangered Species.*

**Instructions (see 2008 MSGP Part 5.1.6.1):**

Include any documentation you have that supports your determination of eligibility consistent with 2008 MSGP, Part 1.1.4.5 (Endangered and Threatened Species and Critical Habitat Protection). Refer to Appendix E of the 2008 MSGP for specific instructions for establishing eligibility.

Coverage under the MSGP is available only if the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities are not likely to jeopardize the continued existence of any federally-listed endangered or threatened species under the Endangered Species Act (ESA) or result in the adverse modification or destruction of designated critical habitat. Base Boston has followed the process outlined in Appendix E of the MSGP and has determined that the facility meets the eligibility requirements of Criteria A. Documentation of the eligibility determination is included here in Appendix F.

### 6.2 *Documentation Regarding Historic Properties*

**Instructions (see 2008 MSGP Part 5.1.6.2):**

Include any documentation you have that supports your determination of eligibility consistent with 2008 MSGP, Part 1.1.4.6 (Historic Properties Preservation). Refer to Appendix F of the 2008 MSGP for specific instructions for establishing eligibility.

No properties at Base Boston are currently listed in the National Registry of Historic Places (NRHP) as individual properties or as contributing resources in a historic district. The USCG consulted with the MA State Historic Preservation Office (SHPO) in 1980 regarding planned building renovations, at which time the SHPO concurred with the Coast Guard's determination that no properties at Base Boston were eligible for the NRHP.

### 6.3 *Documentation Regarding NEPA Review (if applicable)*

**Instructions (see 2008 MSGP Part 5.1.6.3):**

Include any documentation you have that supports your determination of eligibility consistent with MSGP 2008 Part 1.1.2.5 (Discharges Subject to Any New Source Performance Standards).

Base Boston is not one of the industries subject to the New Source Performance Standards (NSPS) identified in MSGP 2008 Table 1-1. National Environmental Policy Act (NEPA) review is not required.

## SECTION 7: SWPPP CERTIFICATION

**Instructions (see 2008 MSGP Part 5.1.7):**

The following certification statement must be signed and dated by a person who meets the requirements of Appendix B, Subsection 11.A or 11.B, of the 2008 MSGP. Note: This certification must be re-signed in the event of a SWPPP modification in response to a Part 3.1 trigger for corrective action.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Gregory McLamb Title: Facilities Engineer

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## SECTION 8: SWPPP MODIFICATIONS

### Instructions (see 2008 MSGP Part 5.2):

- Your SWPPP is a “living” document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 3.4 of the 2008 MSGP.
  - o If you need to modify the SWPPP in response to a corrective action required by Part 3.1 of the 2008 MSGP, then the certification statement in section 7 of this SWPPP template must be re-signed in accordance with 2008 MSGP Appendix B, Subsection 11.A or 11.B.
  - o For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person. See 2008 MSGP Appendix B, Subsection 11.C.

The SWPPP will be amended and resubmitted for review whenever the following occurs:

- A change in design, construction, operation, maintenance, or other procedure that has a significant effect on the potential for the discharge of pollutants to the waters that has not been otherwise addressed in the SWPPP.
- The SWPPP becomes ineffective in eliminating or significantly minimizing pollutants from identified sources.

Modifications will be documented in Appendix Q.

### SWPPP APPENDICES

APPENDIX A	General Location Map
APPENDIX B	Site Map
APPENDIX C	Notice of Intent (NOI)
APPENDIX D	Acknowledgement Letter from NOI Processing Center
APPENDIX E	Multi-Sector General Permit (Year 2008)
APPENDIX F	Documentation Regarding Endangered species
APPENDIX G	Spill, Leak, or Other Release Reports
APPENDIX H	Employee Training Records
APPENDIX I	Maintenance and Repairs of Control Measures
APPENDIX J	Routine Facility, Quarterly, and Annual Inspection Reports
APPENDIX K	Monitoring Data
APPENDIX L	Benchmark Exceedance Reports
APPENDIX M	Corrective Action Reports
APPENDIX N	Deviations from the Schedule
APPENDIX O	Change in Facility Status
APPENDIX P	SWPPP Modifications



Note: It is helpful to keep a printed-out copy of the 2008 MSGP so that it is accessible to you for easy reference. However, you do not need to formally incorporate the entire 2008 MSGP into your SWPPP. As an alternative, you can include a reference to the permit and where it is kept at the site.



BASEBOSINST 16478.2

BASE BOSTON INSTRUCTION 16478.2

Subj: BASE BOSTON SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN

Ref: (a) Code of Federal Regulations, Title 40, Part 112  
(b) BASEBOSINST 16478.1, Environmental Safety Host and Tenant Agreement

1. PURPOSE. This instruction establishes the Spill Prevention, Control and Countermeasure (SPCC) Plan for Base Boston.
2. RESPONSIBILITIES.
  - a. The Facilities Engineering Department Head shall keep the directive current.
  - b. The Facilities Engineering Department Head is responsible, will ensure compliance, and govern execution of requirements in this directive.
  - c. Personnel in charge of tenant and visiting organizations shall implement requirements and enforce compliance with this directive.
  - d. All tenant and visiting military and civilian employees, contractors, visitors, and guests aboard Base Boston property shall comply with this directive.
3. DIRECTIVES AFFECTED. The SPCC Plan dated Jan 2011 is cancelled.
4. DISCUSSION. This directive updates existing policy in accordance with a 5-year review requirement under reference (a). This is a supporting directive to reference (b). This directive establishes specific requirements regarding oil spill prevention, control, and countermeasures.
5. POLICY.
  - a. This directive applies to all *activities* and organizations located on or coming aboard Base Boston and satellite facilities regardless of organization, agency, or affiliation. To be aboard the Base for any purpose manifests agreement to comply with requirements.
  - b. This directive applies to all *people* aboard Base Boston and satellite facilities regardless of organization, agency, or affiliation. To be aboard the Base for any purpose manifests agreement to comply with requirements.

Subj: SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN

- c. An individual that becomes aware of a hazardous materials spill must report that spill to the Base Officer of the Day. The Officer of the Day shall execute the quick response card in enclosure (1) to ensure execution of the plan in enclosure (2) by responsible parties.
- d. Responsible parties shall execute prevention, control, and countermeasure requirements per the instructions contained in enclosure (1) and (2).
- e. Direct questions regarding environmental compliance to:

Base Boston Facilities Engineering Department Head:	617-223-3277
Base Boston Environmental Office, Pollution Prevention Coordinator:	617-223-3387
Base Boston Officer of the Day:	617-223-3333

- 6. ENVIRONMENTAL IMPACT. This directive directly addresses environmental considerations and impacts.
- 7. FORMS/REPORT. As per Enclosures (1) and (2).

T. J. HEITSCH

Enclosure: (1) Base Boston Officer of the Day Quick Response Card  
(2) Base Boston Spill Prevention, Control, and Countermeasures Plan

Distribution: Tenant and Visiting Units

**BASE BOSTON QRC:**  
**Hazardous Waste/Material or Oil Spill**

Date/Time

OOD/Watchstander:

Event Description:

**1. POLICY / PROGRAM INFORMATION**

**References:**

1. Duty Section Organization, Responsibilities, and Qualification BASEBOSINST M1300.1K, Ch 3.K
2. Hazardous Material Management BASEBOSINST 16478.6
3. SPCC Plan BASEBOSINST 16478.2

**Definitions:**

1. **HAZMAT:** Hazardous Materials. Any product that poses an environmental, or health hazard, that is still a serviceable product or material.
2. **HAZWASTE:** Hazardous Waste. A hazardous substance that is excess or no longer serviceable.
3. **HAZMIN Center:** Hazardous Materials Minimization Center

**Background:**

The management of HAZMAT and their associated by-products has become an increasing burden at every Coast Guard facility. Research has shown that a properly executed HAZMAT management program can improve the availability of materials, and reduce HAZWASTE.

For any HAZMAT spill, personnel safety is the first concern followed by preventing/ minimizing environmental damage.

**2. KEY DATA**

1. The HAZMIN Center and Hazardous Waste Office are in Building 8, first deck, behind Shipping and Receiving.
2. The HAZMIN Center is the centralized distribution control point for all hazardous materials at Base Boston. All HAZMAT shall go through the HAZMIN Center for stocking, checking, and distribution.
3. Base Boston HAZMIN Center: 617-557-9004  
Sector Boston: 617-223-3000  
MADEP (Mass Dept. of Environmental Protection): 888-304-1133  
National Response Center: 800-424-8802  
DCMS Watch (DOL-41): 757-398-6765

**3. KEY ACTIONS**

**Upon notification of an incident HAZMAT or oil spill:**

- \_\_\_\_\_ Immediately locate and secure the source if possible.
- \_\_\_\_\_ Coordinate cleanup efforts. Contact the Hazardous Waste Coordinator, x3274.
- \_\_\_\_\_ Ensure personnel have proper personal protective equipment.
- \_\_\_\_\_ Contain spill with absorbent materials from emergency spill kits located on Piers.
- \_\_\_\_\_ Collect contaminated soil in bags or drums as quickly as possible to prevent spill from reaching waterways or storm drains.
- \_\_\_\_\_ Properly dispose of waste/ spill clean-up materials.

**Upon notification of an emergency response HAZMAT or oil spill:**

- Secure all nonessential personnel and post guards.
- Deploy booms and utilize absorbent towels as needed to contain spill and prevent from reaching the water or storm drains.
- Assess situation. Contact additional spill cleanup or emergency response resources for assistance.

**Upon notification of a water surface spill:**

- Secure all nonessential personnel and post guards.
- Immediately call Sector Boston for assistance and emergency response.
- If there is a sheen on the water, call the National Response Center.
- Deploy booms and utilize absorbent towels as needed to contain spill.
- Assist Sector Boston with cleanup operations.

**Evacuation procedures:**

- Activate internal alarms.
- Notify the CO, XO, OOD, and HAZWASTE Coordinator.
- Close doors/windows behind you and quickly evacuate area.
- Proceed to predetermined checkpoint for muster.
- Assist On Scene Coordinator.

**4. REQUIRED NOTIFICATIONS WITHIN 30 MINUTES**

1.  CO Base Boston
2.  XO Base Boston
3.  DCMS Watch (for waterside spill only)
4.  Sector Boston
5.  Base Boston FE
6.  Base Boston Comptroller/Base Ops
7.  Command Security Officer
8.  Moored Cutters (for waterside spill only)



# **OIL SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN**

**U. S. COAST GUARD  
BASE BOSTON  
427 Commercial Street  
Boston, MA 02109**

Revised March 2015

# SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCC)

**U. S. COAST GUARD BASE BOSTON**  
**427 Commercial Street**  
**Boston, MA 02109**  
**(617) 223-3336**

## **Self-Certification Statement (§112.6(a)(1))**

The owner or operator of a facility certifies that each of the following is true in order to utilize this template to comply with the SPCC requirements:

I \_\_\_\_\_ certify that the following is accurate:

1. I am familiar with the applicable requirements of 40 CFR part 112;
2. I have visited and examined the facility;
3. This Plan was prepared in accordance with accepted and sound industry practices and standards;
4. Procedures for required inspections and testing have been established in accordance with industry inspection and testing standards or recommended practices;
5. I will fully implement the Plan;
6. This facility meets the following qualification criteria (under §112.3(g)(1)):
  - a. The aggregate aboveground oil storage capacity of the facility is 10,000 U.S. gallons or less; and
  - b. The facility has had no single discharge as described in §112.1(b) exceeding 1,000 U.S. gallons and no two discharges as described in §112.1(b) each exceeding 42 U.S. gallons within any twelve month period in the three years prior to the SPCC Plan self-certification date, or since becoming subject to 40 CFR part 112 if the facility has been in operation for less than three years (not including oil discharges as described in §112.1(b) that are the result of natural disasters, acts of war, or terrorism); and
  - c. There is no individual oil storage container at the facility with an aboveground capacity greater than 5,000 U.S. gallons.
7. This Plan does not deviate from any requirement of 40 CFR part 112 as allowed by §112.7(a)(2) (environmental equivalence) and §112.7(d) (impracticability of secondary containment) or include any measures pursuant to §112.9(c)(6) for produced water containers and any associated piping;
8. This Plan and individual(s) responsible for implementing this Plan have the full approval of management and I have committed the necessary resources to fully implement this Plan.

I also understand my other obligations relating to the storage of oil at this facility, including, among others:

1. To report any oil discharge to navigable waters or adjoining shorelines to the appropriate authorities. Notification information is included in this Plan.

2. To review and amend this Plan whenever there is a material change at the facility that affects the potential for an oil discharge, and at least once every five years. Reviews and amendments are recorded in an attached log [See Five Year Review Log and Technical Amendment Log in Attachments 1.1 and 1.2.]

3. Optional use of a contingency plan. A contingency plan:

- a. May be used in lieu of secondary containment for qualified oil-filled operational equipment, in accordance with the requirements under §112.7(k), and;
- b. Must be prepared for flowlines and/or intra-facility gathering lines which do not have secondary containment at an oil production facility, and;
- c. Must include an established and documented inspection or monitoring program; must follow the provisions of 40 CFR part 109; and must include a written commitment of manpower, equipment and materials to expeditiously remove any quantity of oil discharged that may be harmful. If applicable, a copy of the contingency plan and any additional documentation will be attached to this Plan as Attachment 2.

I certify that I have satisfied the requirement to prepare and implement a Plan under §112.3 and all of the requirements under §112.6(a). I certify that the information contained in this Plan is true.

Signature \_\_\_\_\_ Title: \_\_\_\_\_

Name \_\_\_\_\_ Date: / / 20

Personnel, materials, equipment, are committed to ensuring that this contingency plan is implemented in such a manner that no oil reaches the ground or into the waters of Boston Harbor.

\_\_\_\_\_  
Signature of Commanding Officer

\_\_\_\_\_  
Date

## **II. Record of Plan Review and Amendments**

### **Five Year Review (§112.5(b)):**

Complete a review and evaluation of this SPCC Plan at least once every five years. As a result of the review, amend this Plan within six months to include more effective prevention and control measures for the facility, if applicable. Implement any SPCC Plan amendment as soon as possible, but no later than six months following Plan amendment. Document completion of the review and evaluation, and complete the Five Year Review Log in Attachment 1.1. If the facility no longer meets Tier I qualified facility eligibility, the owner or operator must revise the Plan to meet Tier II qualified facility requirements, or complete a full PE certified Plan.



**Technical Amendments (§§112.5(a), (c) and 112.6(a)(2))**

This SPCC Plan will be amended when there is a change in the facility design, construction, operation, or maintenance that materially affects the potential for a discharge to navigable waters or adjoining shorelines. Examples include adding or removing containers, reconstruction, replacement, or installation of piping systems, changes to secondary containment systems, changes in product stored at this facility, or revisions to standard operating procedures.

**Documentation of SPCC Plan Reviews, Evaluations and/or Amendments**

A. The purpose of this review and/or evaluation:

- Five year review
- Commissioning/decommissioning of containers
- Replacement, reconstruction, or movement of containers
- Replacement, reconstruction, or installation of piping
- Alteration of secondary containment structures
- Change of products or services
- Revised standard operating and/or maintenance procedures
- Requested by the Regional Administrator
- Other – describe:

B. Statement of Amendment

I have completed the review and evaluation of the SPCC Plan for Base Boston on \_\_\_\_\_, and \_\_\_\_\_ amend the Plan as a result.  
*Date will/will not*

\_\_\_\_\_  
Reviewer Signature

C. Brief Description of Amendments to Plan (provide attachment as needed)

## TABLE OF CONTENTS

### SECTIONS

	Pages
1. Discussion .....	1
2. Responsibilities .....	2
3. Non-Compliance .....	2
4. Facility Description .....	3
Oil Usage and Storage .....	3
Discharge Prevention .....	10
Discharge and Drainage Controls .....	12
Countermeasures .....	13
Response and Disposal Actions	
– Incidental Spills .....	13
– Emergency Response Release Defensive Actions .....	15
Contact List/Discharge Reporting Procedures .....	17
5. Fuel Release Migration Pathways and Impacts .....	20
6. Contingency Planning for Tank Truck Loading/Unloading .....	22
7. Inspection, Tests and Records .....	22
Environmental Equivalence of Visual Inspections in Lieu of Tank Testing.....	22
8. Personnel Training and Discharge Prevention Procedures .....	24
9. Security .....	25
10. Brittle Fracture Evaluation .....	25
11. Conformance with State Requirements .....	25
12. Substantial Harm Criteria .....	25

### LIST OF TABLES

4-1 Oil Storage Tanks .....	5
4-1(a) Oil-Filled Operational Equipment.....	6
4-1(b) Hazardous Waste Container Storage .....	8
4-1(c) Hazardous Material Container Storage .....	9
4-2 Oil Transfer Checklists .....	11
4-3 Determining Level of Response .....	13
4-4 Response and Disposal Actions - Incidental Spills .....	14
4-5 Response and Disposal Actions - Emergency Response Release Defensive Actions	16
4-6 Emergency Response Resources .....	17
4-7 Reportable Quantities for Common Materials and Wastes .....	18
4-8 Reporting Requirements .....	19
5-1 Potential Migration Paths .....	21
7-1 Inspections and Tests .....	23

## APPENDICES

- A. Facility Diagram/Description
  - Locus Map & Facility Site Plan
  - List of Tenants of BASE Boston Facility
  - Evacuation Routes and Muster Locations
- B. Forms
  - Spill Response Checklist
  - Spill Response Notification
  - Petroleum Oil Storage and Oil-Filled Operational Equipment Weekly Routine
  - Inspection Checklists/Logs
  - Training Certification for Spill Prevention Control and Countermeasures
- C. Certification of the Applicability of the Substantial Harm Criteria

## LIST OF ACRONYMS

AST	Aboveground Storage Tank
CEU	Civil Engineering Unit
CFR	Code of Federal Regulations
CMR	Code of Massachusetts Regulations
CO	Commanding Officer
DOL	Director of Operational Logistics
DOT	Department of Transportation
EC	Emergency Coordinator
EPA	Environmental Protection Agency
HAZCOM	Hazard Communication
HMC	Hazardous Material Coordinator
LEPC	Local Emergency Planning Committee
MADEP	Massachusetts Department of Environmental Protection
MSO	Marine Safety Office
MWRA	Massachusetts Water Resources Authority
NAICS	North American Industry Classification System
NRC	National Response Center
OIC	Officer in Charge
OOD	Officer of the Day
SC	Spill Coordinator
OSHA	Occupational Safety and Health Administration
PO	Petty Officer
RQ	Reportable Quantity
SERC	State Emergency Response Commission
SILC	Shore Infrastructure Logistics Center
SPCC	Spill Prevention Control and Countermeasure
UST	Underground Storage Tank
XO	Executive Officer

**REGULATORY REQUIREMENT CROSS REFERENCE TABLE**

<b><i>APPLICABLE REGULATORY REQUIREMENTS</i></b>	<b><i>OIL SPCC PLAN SECTION</i></b>
<b>Oil Spill Prevention Control and Countermeasure Plan</b>	<b>40 C.F.R. Part 112</b>
Professional Engineer Certification § 112.3(d)	Cover Letter
Maintenance and availability of complete Plan § 112.3(e)	Section 2, pg. 2
Amendments and Plan review every 5 years § 112.5	Cover Letter
Discussion of facility's conformance with 40 C.F.R. Part 112 § 112.7(a)(1)	Section 1, pgs. 1-2
Description of physical layout of the facility § 112.7(a)(3)	Section 4, pgs. 3-4
Facility Diagram § 112.7(a)(3)	Appendix A
Type of oil in each container and its storage capacity § 112.7(a)(3)(i)	Section 4, pgs. 3-8 Tables 4-1, 4-1(a), 4-1(b), 4-1(c)
Discharge prevention measures (including procedures for routine handling of products) § 112.7(a)(3)(ii)	Section 4, pg. 10
Discharge/drainage controls around containers/structures § 112.7(a)(3)(iii)	Section 4, pg. 12
Procedures for the control of a discharge § 112.7(a)(3)(iii)	Section 4, pgs. 12-15
Countermeasures for discharge discovery, response, and cleanup (including facility and contractor capability) § 112.7(a)(3)(iv)	Section 4, pg. 13
Methods of disposal of recovered materials in accordance with applicable legal requirements § 112.7(a)(3)(v)	Table 4-4
Contact list and phone numbers for the facility response coordinator, National Response Center, cleanup contractors with whom the facility has response agreements, and all appropriate Federal, State, and local agencies who must be contacted in case of a discharge § 112.7(a)(3)(vi)	Tables 4-6, 4-8
Information and procedures to enable a person to report a discharge as described in 40 C.F.R. § 112.7(a)(4)	Table 4-8, Appendix B
Prediction of direction, rate of flow and total quantity of oil as a result of each type of major equipment failure. § 112.7(b)	Section 5, pgs. 20-21 Table 5-1
Appropriate containment and/or diversionary structures. § 112.7(c)	Section 4, pgs. 3-9 Tables 4-1(a), 4-1(b), 4-1(c)
Demonstration of impracticability of secondary containment § 112.7 (d)	N/A
<b>Inspections, Test, and Records</b>	<b>40 C.F.R. § 112.7(e)</b>
Inspections and tests performed in accordance with written procedures. Written procedures and records of inspections and tests signed and kept with Plan for at least three years.	Section 7, pg. 22 Table 7-1

<b>APPLICABLE REGULATORY REQUIREMENTS</b>	<b>OIL SPCC PLAN SECTION</b>
<b>Personnel Training and Discharge Prevention Procedures</b>	<b>40 C.F.R. § 112.7(f)</b>
(1) Oil-handling personnel trained in operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; and the contents of the facility SPCC Plan.	Section 8, pg. 24
(2) Designated person responsible for spill prevention.	Section 8, pg. 24
(3) Schedule and conduct discharge prevention briefings for oil-handling personnel at least once each year.	Section 8, pg. 24
<b>Security</b>	<b>40 C.F.R. § 112.7 (g)</b>
(1) Each handling, processing or oil storage facility fully fenced entrance gates are locked and/or guarded when the facility is unattended.	Section 9, pg. 25
(2) Flow and drain valves that directly discharge out are locked in closed position when not operational.	Section 9, pg. 25
(3) Oil pump starter controls locked in "off" position or only accessible to authorized personnel when not in use.	N/A
(4) Pipeline loading/unloading connections to ASTs capped when not in service.	Section 9, pg. 25
(5) Adequate facility lighting to discover spills and prevent vandalism.	Section 9, pg. 25
<b>Facility Tank Car and Tank Truck Loading/Unloading Rack</b>	<b>40 C.F.R. § 112.7(h)</b>
(1) Quick drainage systems used in areas without catch basins or treatment facility designed to handle discharges; containment designed to hold at least the maximum capacity of a single compartment of a tank car or tank truck loaded or unloaded at the facility.	N/A
(2) Warning lights, physical barriers, or other measures used provided to prevent truck departure prior to line disconnection.	N/A
(3) Inspection of drains and outlets prior to filling and departure of tank cars and trucks.	N/A
<b>Risk of a Discharge or Failure Due to Brittle Fracture</b>	<b>40 C.F.R. § 112.7(i)</b>
If a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in, evaluate the container for risk of discharge or failure due to brittle fracture or other catastrophe, and as necessary, take appropriate action.	N/A
<b>Discussion of Conformance with Applicable Requirements</b>	<b>40 C.F.R. § 112.7(j)</b>
Complete discussion of conformance with the applicable requirements and other effective discharge prevention and containment procedures listed in this part or any applicable more stringent State rules, regulations, and guidelines.	Section 11, pg. 25

<b>APPLICABLE REGULATORY REQUIREMENTS</b>	<b>OIL SPCC PLAN SECTION</b>
<b>Facility Drainage</b>	<b>40 C.F.R. § 112.8(b)</b>
(1) Restrain diked drainage areas by valves.	N/A
(2) Use of manual open-and-closed drain valves to drain diked areas.	N/A
(3) Drainage of un-diked areas into ponds, lagoons and catch basins to retain oil spills.	N/A
(4) Design of in-plant ditches with diversion systems to return spilled oil to facility.	N/A
(5) Engineer facility drainage systems to prevent discharges in case of equipment failure or human error	Section 4, pgs. 10-12 Table 4-2
<b>Bulk Storage Containers</b>	<b>40 C.F.R. § 112.8(c)</b>
(1) Container materials and construction compatible with products stored and conditions or storage	Section 4, pg. 3
(2) Adequate and impervious secondary containment for tanks.	Tables 4-1(a), 4-1(b), 4-1(c)
(3) Requirements for drainage of diked rainwater bypassing treatment system (valve normally closed, valve opened only during drainage, inspect rainwater, records kept).	N/A
(4) Cathodic protection and regular leak testing for new buried metallic tanks.	N/A
(5) Partially buried metallic tanks	N/a
(6) Integrity test aboveground containers on a regular schedule and when material repairs are done.	Table 7-1
(7) Internal heating coils monitored or treated to prevent leakage	N/A
(8) Containers are engineered or updated in accordance with good engineering practices to avoid discharges: High level alarms, high level pump cutoffs, direct signal communication between the container gauge and the pumping station; fast response system for determining the liquid level of each container; regular testing of devices.	Table 4-1
(9) Plant effluent disposal facilities monitored regularly to detect system upsets.	N/A
(10) Prompt correction of visible leaks; prompt removal of oil accumulated in diked areas and containment structures.	Section 4, pg. 12
(11) Portable tanks are positioned or located to prevent a discharge and have been provided with adequate secondary containment.	Section 4, pg. 12
<b>Transfer Operations</b>	<b>40 C.F.R. § 112.8(d)</b>
(1) Cathodic protective coating for buried piping, exposed pipes inspected for corrosion.	N/A
(2) Terminal connections on out of service piping capped and marked as to origin.	N/A
(3) Pipe supports properly designed.	Table 4-1
(4) Aboveground valves and piping inspected regularly, integrity and leak testing conducted for buried piping.	Table 7-1 Appendix B
(5) Aboveground piping protected by notifying vehicular traffic entering facility.	N/A

**U. S. COAST GUARD  
BASE BOSTON  
427 COMMERCIAL STREET  
BOSTON, MA 02109**

**SPILL PREVENTION CONTROL AND COUNTER MEASURE PLAN (SPCC)**

- Ref: (a) 40 CFR 110, Discharge of Oil  
(b) 40 CFR 112, Oil Pollution Prevention Regulations revised August 18, 2002  
(c) 310 CMR 40.0000, Contingency Plan  
(d) 527 CMR 9.00 & 10.00, MA Fire Prevention Regulations

**1. DISCUSSION.** The purpose of this plan is to establish procedures for prevention and control of discharges of fuel, other petroleum products, oils or a hazardous materials release and actions to be taken in the event of a oil discharge, fire, explosion and/or release of hazardous materials to air, soil or water as required by references (a) through (d).

The provisions of this instruction apply to all personnel assigned to or operating on U. S. Coast Guard Base Boston.

This plan provides for the expeditious control and removal of any harmful quantities of oil discharged in the vicinity of Base Boston. Discharges of oil products, even in very small amounts, can have harmful effects on the marine, aquatic and terrestrial environment. In response to the potential environmental damage, references (a) and (b) were promulgated under the Clean Water Act. The purpose of these regulations is to prevent harmful quantities of oil products from entering the navigable waters of the United States or adjoining shorelines. Reference (a) defines "harmful quantities" of oil as that amount which violates applicable water quality standards or causes a film or sheen on the water surface or adjoining shoreline. Reference (b) establishes the procedures and methods to be used to prevent the discharge of oil. These requirements apply to facilities which store oil products in excess of 1,320 gallons in one or more containers with a capacity of 55 gallons or greater, underground storage tank capacity in excess of 42,000 gallons, or due to its location, oil spilled at the facility could reasonably be expected to reach navigable waters of the United States.

The Oil Pollution Act (OPA) of 1990 and COMDTPUB P16480.1 also require entities performing over water transfers of oil to or from vessels having an onboard storage capacity of 10,500 gal (33 CFR 154 Subpart F) to prepare and submit an approved Facility Response Plan (FRP) to the Captain of the Port (COTP) where the transfer will occur. Units that utilize contractors for direct fueling (truck-to-vessel) or waste removal (vessel-to-truck) operations shall require a copy of the contractor's approved FRP to be on site and available for review.

This SPCC Plan establishes procedures and identifies equipment, which shall be used to prevent or control releases of fuel and other stored oil products or hazardous waste to the environment. It also describes the necessary actions to be taken in the event of a discharge. A "DISCHARGE", by regulatory definition, includes, but is not limited to, any spilling, leaking, pumping, pouring, emitting, emptying, or dumping of oil no matter where it occurs. For the purpose of this SPCC plan, discharges of any quantity shall be promptly contained and/or cleaned up.



## 2. RESPONSIBILITIES

The Commanding Officer of Base Boston shall ensure that:

- ✓ All personnel who are responsible for oil product storage or transfers are trained in and comply with these SPCC requirements.
- ✓ All personnel committed and materials/equipment cited herein, are available to ensure that this contingency plan is implemented in such a manner that prevents oil from reaching Boston Harbor.
- ✓ All records and inspection reports required by this SPCC plan be performed adequately, in a timely manner and shall be maintained for a minimum of three years.

The Commanding Officer also designates an Emergency Coordinator (EC) who ensures that the requirements of this plan are carried out during emergencies, guided by the checklist in Appendix B. Unless otherwise designated by the Commanding Officer, the Emergency Coordinator is responsible for coordinating the spill response actions.

Tenant units who have an oil spill or emergency involving an oil product or waste oil shall immediately contact the Base Boston Officer of the Day (OOD) and carry out their own internal emergency procedures. However, the designated Base Boston EC shall act as the overall EC for the facility and will implement this plan as necessary.

At all times, there shall be at least one member of Base Boston physically located at the facility that can serve as an EC. The designated Primary EC shall normally be the Base Boston Facilities Engineer. In addition, an alternate EC shall be designated. The primary or alternate EC shall be available at Base Boston during normal working hours. In the case when the primary or alternate EC are not available during normal hours, the OOD shall act as the duty section EC until relieved by either the primary EC or alternate EC. During an emergency, the EC shall ensure that the requirements of this plan are carried out. The primary and alternate EC and OOD shall be aware of the storage locations and types of oil products and waste oils at this facility prior to emergency situations.

The OOD will serve as the initial point of contact for reporting emergencies involving a release or spill of oil. After normal working hours and during weekends and holidays, the OOD shall act as the duty section EC until relieved by either the primary EC or alternate EC.

The Environmental Office of Base Boston shall coordinate overall SPCC compliance, and is responsible for routinely reviewing provisions of the SPCC plan and updating it as required.

## 3. NON-COMPLIANCE 40 CFR 112.7 (a)(2) [RESERVED]

#### 4. FACILITY DESCRIPTION 40 CFR 112.7 (a)(3)

Base Boston is located between 425 and 453 Commercial Street in Boston, Massachusetts and occupies approximately 11 acres of Boston Harbor waterfront area in the "North End" of Boston. A locus map of Base Boston and a diagram of the facility are provided in Appendix A.

The latitude and longitude of Base Boston is: 42 degrees, 22 minutes, 08 seconds North  
71 degrees, 03 minutes, 07 seconds West

Base Boston consists of seven (7) major building structures, which represent a total of approximately 413,000 square feet of interior building space. In addition, there are three (3) large piers with a controlling mooring depth of 25 feet, and a normal tidal range of approximately 9.5 feet. The Boston Redevelopment Authority has jurisdiction over the waterfront north of Base Boston. The waterfront property south of the facility is privately owned.

Mission. Base Boston serves as the single Deputy Commandant for Mission Support touch point for the support of Coast Guard operations within the First Coast Guard District. Thus, petroleum products (lubricating oils and hydraulic fluids), motor fuels (diesel and gasoline), and paints (epoxy and oil) are used at the facility and are stored in containers whose materials, construction, and storage conditions are compatible with the products they contain.

Stormwater. There is a storm drainage system at the facility. Stormwater flows off impervious surfaces (buildings, paved areas, etc.) and is directed to outdoor storm drains that discharge to Boston Harbor. Indoor floor drains connect to a sewage collection system that discharges to a municipal sewage treatment plant. The North American Industry Classification System (NAICS) is 926120 (Coast Guard) for the facility.

#### Oil Usage and Storage

Base Boston uses and stores oil in "bulk storage containers" and "oil-filled operational equipment," which are defined by the regulations at 40 C.F.R. § 112.2 as follows:

- *Bulk storage container* means any container used to store oil. These containers are used for purposes including, but not limited to, the storage of oil prior to use, while being used, or prior to further distribution in commerce. Oil-filled electrical, operating, or manufacturing equipment is not a bulk storage container.
- *Oil-filled operational equipment* means equipment that includes an oil storage container (or multiple containers) in which the oil is present solely to support the function of the apparatus or the device. Oil-filled operational equipment is not considered a bulk storage container, and does not include oil-filled manufacturing equipment (flow-through process). Examples of oil-filled operational equipment include, but are not limited to, hydraulic systems, lubricating systems (e.g., those for pumps, compressors and other rotating equipment, including pumpjack lubrication systems), gear boxes, machining coolant systems, heat transfer systems, transformers, circuit breakers, electrical switches, and other systems containing oil solely to enable the operation of the device."

Fixed Oil Container Locations. Base Boston has seven (7) bulk oil storage locations where petroleum products are stored in aboveground and underground storage tanks for heating, vessel fueling, and emergency power generation. In addition, Base Boston has oil-filled operating equipment with an oil-containing capacity of greater than 55 gallons that consists of the following: three (3) electricity transformers containing mineral oil dielectric fluid (MODF) at two (2) locations; and, four (4) hydraulic elevators containing hydraulic oil at three (3) locations. All fixed locations where oil is used or stored in containers with a capacity of 55 gallons or greater are shown on the Site Plan in Appendix D. Table 4-1 – Oil Storage Tanks and Table 4-1(a) – Oil-Filled Operational Equipment summarize container locations, contents, capacity, discharge controls, and nature of current usage.

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<b>TABLE 4-1 OIL STORAGE TANKS</b>							
<b>Tank Number</b>	<b>1</b>	<b>3</b>	<b>4a &amp; 4b</b>	<b>6a &amp; 6b</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>Location</b>	Fiske Alley	Behind Bldg. 14	Inside Bldg. 8	Inside Bldg. 4	Inside Sand Shed	Inside Bldg. 16	Inside Bldg. 16
<b>Capacity (gallons)</b>	10,000	1,000	500	660	250	250	250
<b>Use</b>	Heating	Marine Fuel	Heating	Emerg. Gen	Heating	Heating	Heating
<b>AST/UST (above/underground)</b>	UST	AST	AST	AST	AST	AST	AST
<b>Tank Construction</b>							
Steel/Fiberglass	Fiberglass	Steel	Steel	Steel	Steel	Steel	Steel
Single-wall/Double-wall (DW)	Double	Single	Double	Single	Double	Double	Double
<b>Tank Contents</b>	No. 2 Heating Oil	Diesel	Waste Oil	Diesel	No. 2 Heating Oil	Waste Oil	Waste Oil
<b>Tank Overfill Protection</b>	Yes	Yes (sump)	Yes (high level)	Yes	Yes	Yes	Yes
<b>Tank Overfill Detection</b>							
Visual Gauge (Yes/No)	No	Yes	Yes	No	Yes	Yes	Yes
Audible Alarm (Yes/No)	Yes	No	No	Yes	No	No	No
Visual Alarm (Yes/No)	Yes	No	No	Yes	No	No	No
<b>Tank Lining</b>	None	None	None	None	None	None	None
<b>Tank Corrosion Protection</b>	N/A	Concrete	Paint	Paint	Paint	Paint	Paint
<b>Tank Leak Detection (Alarm, Visual)</b>	Yes Alarm	Yes Visual	Yes Alarm	None	None	None	None
<b>Piping Construction</b>							
Steel/Copper	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Single Wall/Double Wall	Double Wall	Single	Single	Single	Single	Single	Single
Pressure/Suction	Suction	Suction	Both	Suction	Suction	Suction	Suction
<b>Piping Leak Detection (Alarm, Visual)</b>	Yes Alarm	N/A	N/A	N/A	None	None	None
<b>Secondary Containment</b>							
Tank: Steel/Concrete/None	Steel - DW	Concrete	Steel (dyke)	Concrete	Steel	Steel	Steel
Piping: Single/Double/None	Yes (FRP)	None	None	None	None	None	None
Drainage Valve: (Yes/No)	No	Yes	No	Yes	Yes	Yes	Yes
Canopy: (Yes/No/NA)	N/A	N/A	N/A	N/A	No	No	No
<b>Monthly Avg. Throughput &gt; or &lt; 200 gallons</b>	< 200	< 200	< 200	< 200	>200	>200	>200

<b>TABLE 4-1(a)</b>							
<b>OIL-FILLED OPERATIONAL EQUIPMENT</b>							
<b>Description</b>	<b>Transformer 1a</b>	<b>Transformer 1b</b>	<b>Transformer 2</b>	<b>Hydraulic Elevator 1a</b>	<b>Hydraulic Elevator 1b</b>	<b>Hydraulic Elevator 2</b>	<b>Hydraulic Elevator 3</b>
<b>Location</b>	Outside Bldg 7	Outside Bldg 7	Outside Bldg 11	Bldg 1 2 <sup>nd</sup> Deck Elevator Machine Room	Bldg 1 2 <sup>nd</sup> Deck Elevator Machine Room	Bldg 14 First Floor Elevator Machine Room	Bldg 15 Room B03 Elevator Machine Room
<b>Type of Equipment</b>	Electrical	Electrical	Electrical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Capacity (gallons)/ Tank Contents</b>	900 MODF	900 MODF	900 MODF	150 Hydraulic Oil	150 Hydraulic Oil	125 Hydraulic Oil	150 Hydraulic Oil
<b>Secondary Containment Yes/No? Description</b>	Yes Outer Concrete Shell	Yes Outer Concrete Shell	Yes Outer Concrete Shell	Yes Building Floor & Walls	Yes Building Floor & Walls	Yes Building Floor & Walls	Yes Building Floor & Walls
<b>Spill Flow Rate</b>	~2 feet/sec	~2 feet/sec	~2 feet/sec	>2 feet/sec under pressure	>2 feet/sec under pressure	>2 feet/sec under pressure	>2 feet/sec under pressure
<b>Spill Prevention Mechanism</b>	Frequent Visual Inspection, Secured Area, Setback from Vehicular Traffic	Frequent Visual Inspection, Secured Area, Setback from Vehicular Traffic	Frequent Visual Inspection, Secured Area, Setback from Vehicular Traffic	Frequent Visual Inspection, Secured Area, Annual Maintenance	Frequent Visual Inspection, Secured Area, Annual Maintenance	Frequent Visual Inspection, Secured Area, Annual Maintenance	Frequent Visual Inspection, Secured Area, Annual Maintenance

Vessel Fueling Operations. Base Boston is host to several ships and vessels, which occasionally refuel by means of contractor-owned/operated tank trucks from the piers at Base Boston. In addition, vessels may occasionally transfer waste oil and bilge water to contractor tank trucks for off-site transportation and treatment or recycling. Ship-to-shore or shore-to-ship transfers of oil to those vessels having an onboard storage capacity of greater than 250 barrels (10,500 gallons) are regulated under 33 CFR Parts 154 and 155, and therefore are not regulated under the 40 CFR 112 SPCC plan regulations. Base Boston homeported vessels regulated under 33 CFR include the CGCs SPENCER, SENECA and ESCANABA.

Under 33 CFR 154.300, an Operations Manual for petroleum transfers is required for marine transportation facilities. These regulations apply to each tank truck that receives or transfers bulk petroleum to a ship or vessel at this facility; they do not apply to Base Boston. Each vessel must ensure that petroleum product contractor tank trucks have an Operations Manual with the truck prior to transfer to or from the truck. Each Operations Manual is reviewed by Sector Boston, and once approved, stamped “Examined by the Coast Guard”. Delivery trucks that do not have an approved Operations Manual will be denied access to Base Boston.

Any petroleum product transferred to or from these vessels in non-bulk quantities (e.g. 55-gallon drums) is regulated under 40 CFR 112 and the Base Boston SPCC plan. In addition, any petroleum release from a tank truck passing through Base Boston, on its way to or from one of the vessels, will be responded to in accordance with this SPCC plan.

Hazardous Waste Container Storage: Table 4-1 (b) lists the locations, contents, capacity, discharge controls, and current use for all 55-gallon drums containing hazardous waste. Wastes generated consist primarily of paint waste, used anti-freeze, spent batteries, oily bilge water and used oil. The hazardous waste accumulation area is a metal containment shed with two compartments located near Building 7. Hazardous wastes accumulated in 55-gallon drums at satellite accumulation areas are stored on spill containment pallets.

Hazardous Materials Container Storage. Table 4-1 (c) lists the locations, contents, capacity, discharge controls, and current use for all 55-gallon drums containing hazardous materials. The majority of hazardous materials are stored in the Base Boston Hazardous Materials Minimization Center (HazMin Center) located in Building 8. Small quantities of hazardous materials are stored in storage lockers in each shop. Hazardous materials delivered to the site in 55-gallon drums are stored on spill containment pallets.

**TABLE 4-1(b)  
HAZARDOUS WASTE CONTAINER STORAGE**

<b>LOCATION</b>	<b>HW Accumulation Area Near Bldg 7</b>		<b>HW Accumulation Area B Bldg 8</b>	<b>Satellite Area 2 Bldg 14</b>	<b>Satellite Area 4 Bldg 8</b>	<b>Satellite Area 6 Bldg 16</b>	<b>Satellite Area 8 Bldg 14</b>	<b>Satellite Area 14 Bldg 16</b>	<b>Satellite Area 15 Bldg 16</b>
<b>CONTAINER TYPE</b>	Drum		Drum	Drum	Drum	Drum	Drum	Drum	Drum
<b>CAPACITY (Gallons)</b>	55		55	55	55	55	30	55	55
<b>CONTENTS</b>		Max							
	Bilge Water	9	Bilge Water	Bilge Water	Bilge Water	Bilge Water		Bilge Water	Waste Oil
	Waste Antifreeze	6	Waste Antifreeze	Waste Oil			Waste Oil	Waste Oil	Waste Oily Rags
	Waste Gasoline	1	Waste Oil Filters						
	Waste Oil	10	Waste Oily Rags						
	Waste Oil Filters	4							
	Waste Oily Rags	10							
<b>USE</b>	<90-Day Storage		Collection	Collection	Collection	Collection	Collection	Collection	Collection
<b>CONSTRUCTION</b>									
• Steel/Fiberglass/Plastic	Steel		Steel	Steel	Steel	Steel	Steel	Steel	Steel
<b>CONTAINMENT</b>									
• Steel/Fiberglass/Plastic	Steel		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
• Drainage Valve	No		No	No	No	No	No	No	No
• Canopy (Y, N, N/A)	Yes		Yes	No	No	No	No	No	No
<b>MATERIAL COMPATIBILITY</b>	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>LEAK DETECTION</b>									
• Visual, Sump	Visual		Visual	Visual	Visual	Visual	Visual	Visual	Visual
<b>OVERFILL PROTECTION (Y, N)</b>	No		No	No	No	No	No	No	No
<b>OVERFILL DETECTION (Y, N)</b>	No		No	No	No	No	No	No	No
<b>DISPENSER (Y, N)</b>	No		No	No	No	No	No	No	No

**TABLE 4-1 (c)  
HAZARDOUS MATERIAL CONTAINER STORAGE**

<b>LOCATION</b>	<b>HazMin Center Bldg 8</b>		<b>HazMin Center Bldg 8</b>
<b>CONTAINER TYPE</b>	Drum		Drum
<b>CAPACITY (gallons)</b>	55		65
<b>CONTENTS</b>		Max	
	85W-140 Oil	2	9250 Oil
	9250 Oil	4	Antifreeze, Ethylene Glycol
	Antifreeze, Ethylene Glycol	2	Hydraulic Oil
	Antifreeze, Power Cool	1	Nalcool 2000
	Antifreeze, Propylene Glycol	2	P-98 Bilge Cleaner
	Caterpillar Coolant	1	SAE 15W-40 Oil
	Hydraulic Oil AW-32	2	SAE 40W Oil
	Hydraulic Oil Aw-46	2	Simple Green
	Meropa 68 Texaco Oil	1	
	Nalcool 2000	2	
	P-98 Bilge Cleaner	1	
	R&O 68 Turbine Oil	1	
	SAE 15W-40 Oil	2	
	SAE 40W Oil	2	
	Tellus 46 Oil	1	
<b>USE</b>	Storage		Dispensing
<b>CONSTRUCTION</b> Steel/Fiberglass/Plastic	Steel		Steel
<b>CONTAINMENT</b>			
Steel/Fiberglass/Plastic	Plastic		Steel
Drainage Valve	No		No
Canopy (Y, N, N/A)	N/A		N/A
<b>MATERIAL COMPATIBILITY</b>	Yes		Yes
<b>LEAK DETECTION</b>			
Visual, Sump	Visual		Visual
<b>OVERFILL PROTECTION (Y, N)</b>	No		Yes
<b>OVERFILL DETECTION (Y, N)</b>	No		No
<b>DISPENSER (Y, N)</b>	No		Yes



**Discharge Prevention** 40 CFR 112.7(a)(3)(ii)

Routine handling of oil occurs during transfers of small quantities of products and wastes to and from drums; transfers between the Base's shore-based storage tanks or containers and a commercial delivery truck; and to the vessel tenant commands from a commercial delivery truck. Each of these transfers has the potential to cause a discharge and shall be conducted in a manner to prevent any such discharge of product to the environment. All Base Boston and tenant command personnel who may be involved in performing these types of transfers and shall be trained in the proper procedures for each type of transfer as outlined in the Table 4-2, A through C.

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**TABLE 4-2  
OIL TRANSFER CHECKLISTS**

<b>A. Small Quantity↔ Small Container Transfers</b>	
✓	Ensure spill kit is available. Have absorbent towel available to collect any drips or spills.
✓	Ensure that the receiving container has sufficient capacity to hold the transfer quantity.
✓	Verify that the receiving container is the correct container for the material.
✓	After completing transfer, remove funnel and properly stow it to prevent drips.
✓	Fully close all drum bungs and container lids.
✓	Check containers and area for drips and clean up if necessary.
✓	If minor drips or spills occur clean up with absorbents and turn in used absorbent to HWC for proper disposal.
✓	If a major spill occurs take immediate action to control the spill using materials available in the spill kit and notify OOD and EC. Initiate additional spill response actions as outlined in this Plan.
<b>B. Shore-Side Oil Transfers Tank↔ Truck</b>	
Pre and Post -Transfer Checks to be Conducted by the Petty Officer/Officer in Charge of the Transfer	
✓	Coordinate scheduling of the transfer operation with Base Boston's OOD. No more than one fuel oil transfer operation shall be conducted at a time without prior approval from the Base Facilities Engineer. Spill response capabilities are limited at the site and the potential risk generated by conducting more than one fueling operation at a time is considered unacceptable.
✓	The fuel delivery truck driver shall be required to notify the Base Emergency Coordinator prior to initiating fuel delivery at any of the fuel storage tanks.
✓	The appropriate Coast Guard representative shall accompany the fuel delivery persons to the involved tanks and shall remain at the tank until the process is completed. The purpose of this requirement is to make certain that no activity occurs that could dislodge the fill/suction hose from the tank fitting and result in an oil release.
✓	Verify that the receiving tank has sufficient capacity. Check gauge or stick dip tank.
✓	Check that a spill kit is available at the transfer location and contents are in working condition. A supply of oil absorbing pads or similar material shall be on hand during every fuel delivery and waste oil pickup in order to immediately contain and control any minor spills. Review the spill response requirements outlined in this Plan.
✓	Visually inspect all hoses, connections, containers, and tanks to be used in the operation, including the lowermost drain and all outlets of the truck. Ensure that hoses have manufacturer's test pressures and/or initial test date stenciled on them. Prior to pumping, replace any hose that appears damaged, displays excessive wear, or has separations, cracks or bubbles.
✓	Chock truck wheels to prevent departure before disconnecting of hoses.
✓	Station one operator at the pump and one person at the tank to prevent overflows. There shall be constant communication between the operators.
✓	If a leak develops in the hoses, exercise extreme care to secure the pump before closing any isolation valves. Closing valves first will cause a sudden pressure surge that could rupture lines or connections.
✓	Fuel shall be delivered to a maximum of 90% of the respective storage tank's capacity as determined by the fill gauge or by dipping the tank with a measurement stick.
✓	After the transfer is complete, visually inspect again all connections, tanks and trucks, including the lowermost drain and all outlets of the truck.
✓	If a major spill occurs take immediate action to control the spill using materials available in the spill kit and notify OOD and EC. Initiate additional spill response actions as outlined in this Plan
✓	Ensure that all transfer lines are disconnected prior to removing wheel chocks from the tank truck.
✓	Ensure that all transfer equipment is properly stowed.
✓	In the event of a spill that is greater than 55 gallons, a spill clean-up contractor will be employed.
✓	No full or partially full tank trucks including oil drums shall remain at the facility overnight or outside normal daily work hours without adequate secondary containment.
✓	All oil transfer slips, manifests, and/or Bill of Ladings shall be maintained at the unit for a minimum of three years.

<b>C. Shore to Vessel Petroleum Transfers Vessel ↔ Tank or Truck</b>	
Pre and Post -Transfer Checks to be Conducted by the Petty Officer/Officer in Charge of the Transfer:	
✓	Follow the same procedures as outlined in Table 4-2B, in addition to the following requirements
✓	If a contractor tank truck is being used, verify that the contractor has an approved "Operations Manual" for petroleum product transfers with ships and vessels. Tank trucks carrying out these activities are regulated as "mobile facilities" under 33 CFR 154 and must have an Operations Manual for petroleum product transfers with ships and vessels. In addition, each Operations Manual must be reviewed and approved by Sector Boston.
✓	The tenant ship command receiving the fuel delivery or having waste oil removed shall monitor the entire operation and ensure that these procedures are followed. To assist in preventing petroleum product and waste oil spills at Base Boston, no "ship to shore" or "shore to ship" transfer with a tank truck will be performed unless the contractor has an approved Operations Manual, and the procedures in that Operations Manual are carried out. The Contractor's failure or refusal to follow these procedures shall be reported to the Base Boston Commanding Officer and to Sector Boston.
✓	Station one operator on the vessel operating the nozzle and taking soundings and one person at the fuel shut down device. There shall be constant communication between the two operators.
✓	Take any precautions necessary to ensure that any fuel spills that occur on the vessel can be contained on that vessel. Measures may include plugging scupper holes and stationing response gear near by.
✓	The nozzle operator shall hold a rag or absorbent pad under the fueling nozzle to catch any drips while the nozzle is carried between the fueling station and the vessel.

### **Discharge and Drainage Controls** 40 CFR 112.7(a)(3)(iii), 40 CFR 112.7(c), 40 CFR 112.8(c)(2), 10

When the proper procedures described under "Discharge Prevention" are followed, most discharges can be prevented. If a discharge occurs, controls are required to minimize the impact of the discharge on the environment. Tables 4-1 document the secondary containment and discharge controls that are part of each permanent tank or container system.

All containers and containment areas must be routinely inspected on no less than a monthly frequency. Any defect that results in loss of oil from the container must be promptly corrected or the container removed from service, and excess oil in the containment structure must be removed. Secondary containment must be provided for the entire capacity of the largest single container plus sufficient freeboard to contain precipitation with a volume equivalent to 110 percent of the single largest container.

Due to their locations (inside buildings) or characteristics (USTs), on-site tanks are not likely to accumulate rainwater in their secondary containment. Any product that has accumulated within secondary containment shall be removed using the containment's drainage valve, or suction hose. The cause of the product release to secondary containment shall be immediately investigated.

Additional secondary containment and discharge controls are available for other non-permanent activities or containers. Examples of these are construction projects that are temporary or emergency operations that may require the use of additional equipment or containers. All equipment or containers with a capacity 55 gallons or greater of oil products must be provided with sufficient secondary containment to hold 110 percent of the container capacity.

Spill kits that contain absorbents materials such as pads, rags, clays and drain blocking mats are available to contain minor discharges from the activity. Spill kits are located near each location identified in Tables 4-1. At a minimum, the spill kit must be sufficient to clean up a spill of less than 10 gallons of petroleum oil and contain a larger spill of up to 55 gallons on site.

**Countermeasures** 40 CFR 112.7(a)(3)(iv)

For situations where a discharge occurs, the appropriate countermeasures for discharge discovery and responses to be employed are dependent upon the size of the discharge and the threat to health and safety of humans or the environment. Table 4-3 summarizes the differences between incidental and emergency releases to determine the appropriate level of response.

- *Incidental releases*, are discharges and/or releases of oil and hazardous substances that are contained and cleaned up entirely by Coast Guard personnel. Examples of workplace hazardous materials frequently involved in incidental releases and safe for personnel to clean up include automotive fluids (i.e., motor oil, antifreeze, hydraulic oil, etc.), paint, and heating oil.
- *Emergency response releases*, are discharges and/or releases of oil and hazardous substances in which Coast Guard personnel perform defensive spill response actions until qualified emergency response teams arrive to perform cleanup operations. Spills of this nature may require additional resources outside the Coast Guard to safely contain or control the emergency situation.

**TABLE 4-3  
DETERMINING LEVEL OF RESPONSE**

<b>Incidental Release meets ALL of the following conditions</b>	<b>Emergency Response Release meets ANY of the following conditions</b>
<ul style="list-style-type: none"> <li>✓ Source of the spill and the spill material is known.</li> <li>✓ Personnel are aware of the hazard(s) associated with the material and have the necessary training and PPE to handle the spill.</li> <li>✓ Personnel are safe from immediate danger (i.e., toxic fumes, fire, explosion, skin irritants, corrosives, etc.).</li> <li>✓ Appropriate spill clean up materials are available for use. (i.e., gloves, absorbent materials, drain covers, non-sparking shovels, etc.)</li> <li>✓ Spill is of a size that it can be contained with equipment available.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Spills of unknown material.</li> <li>✓ Spills of mercury.</li> <li>✓ Sewage spills</li> <li>✓ Spills that occur in a confined space</li> <li>✓ Spills involving fire or likely to cause a fire hazard.</li> <li>✓ Spills that have a potential to cause explosion</li> <li>✓ Spills with toxic fumes</li> <li>✓ Spills of corrosive or extremely hazardous materials (i.e., acids).</li> <li>✓ Spills of a quantity difficult or impossible to contain or absorb with available equipment.</li> <li>✓ Spills that enter drains and/or the adjacent waterways.</li> </ul>

**Response and Disposal Actions** 40 CFR 112.7 (a)(3)(v)

**Incidental Spills**

The potential always exists for a spill of small size or nature to become an emergency situation beyond the definition of an incidental spill. Because of this, it is imperative that personnel respond at a level commensurate with their training in order to protect their safety above all else.

Personnel, who handle hazardous materials as part of their duties, having received OSHA Hazard Communication training and job specific HAZCOM and hazardous waste management training, may respond to incidental spills/releases that occur in their work areas. Personnel may respond to incidental spills/releases that occur outside their work area as long as they are aware of the hazards associated with the spilled material. These individuals may take responsibility as a First Responder. Appropriate response actions to incidental spills are listed in Table 4-4.

The Base’s Emergency Coordinator (EC) is the person designated as point of contact for all Base personnel concerning hazardous waste management and disposal. The EC receives additional training in regulatory requirements and emergency response.

**TABLE 4-4  
RESPONSE AND DISPOSAL ACTIONS – INCIDENTAL SPILLS**

<b>First Responder Actions</b>	<b>Emergency Coordinator (EC) Actions</b>
<ul style="list-style-type: none"> <li>✓ Avoid coming into physical contact with the spilled material.</li> <li>✓ Warn personnel to evacuate the area.</li> <li>✓ Extinguish all ignition sources.</li> <li>✓ Isolate incompatible substances.</li> <li>✓ Stop the source of the spill and keep it from spreading. Actions shall include, but not be limited to the following: shut off the fuel dispensing pump, shut off a supply pipe valve, upright drum in a position where the leak would be on top, create earthen or asphalt berms, or other action designed to stop, slow or divert the flow of oil from entering the adjacent waterways or any storm drains.</li> <li>✓ Protect drains with drain covers or dikes.</li> <li>✓ Don protective gloves, safety goggles, etc.</li> <li>✓ Using spill kit materials, place enough sorbent over the spill so that all of the spilled material is absorbed.</li> <li>✓ Containerize the solid absorbent materials in accordance with normal waste handling procedures for hazardous and non-hazardous waste as appropriate for the material spilled. (Contact the OOD or EC if you need an appropriate container or other assistance.)</li> <li>✓ Notify the OOD or EC to inform them of the details of the spill and to arrange for disposal of the soiled absorbent. Detailed information shall include:               <ul style="list-style-type: none"> <li>▫ Name and telephone number of person reporting.</li> <li>▫ Location/time of the spill/release.</li> <li>▫ Name and quantity of materials involved.</li> <li>▫ Amount of used spill response materials.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>✓ Provide for the recovery, temporary storage, and disposal of recovered waste, such as contaminated soil, water, and/or released materials in accordance with State and Federal regulations.</li> <li>✓ Complete Spill Response Checklist and Spill Response Notification (Appendix B)</li> <li>✓ Restore all emergency equipment to the same level prior to emergency operations.</li> <li>✓ Initiate the necessary reporting requirements as listed in Table 4-8.</li> </ul>

**Response and Disposal Actions 40 CFR 112.7 (a)(3)(v)  
Emergency Response Release Defensive Actions**

Spills described in Table 4-3 as Emergency Response Releases require careful assessment by the EC or OOD before determining if Coast Guard personnel can safely respond or if outside assistance is required (i.e., private spill response contractor, fire department).

For a spill that cannot safely be cleaned up by Coast Guard personnel, response actions shall be limited to defensive actions as described in Table 4-5. Defensive actions are defined as the protection of life, property, and the environment that occurs at a safe distance from the hazards associated with a spill/release. The EC or OOD shall take charge of all spill response activities upon arrival at the spill site and be prepared to coordinate/direct spill containment and cleanup procedures. The EC or OOD is authorized to commit Base resources to direct cleanup activities utilizing outside contractors if necessary, and should contact the Base Comptroller and the Procurement and Contracting Department Head as soon as practical, if contractors are called. Suggested contractors are listed in Table 4-6.

The EC shall determine evacuation routes and muster points. Training in evacuation procedures is held annually as part of the health and safety training program.

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**TABLE 4-5  
RESPONSE AND DISPOSAL ACTIONS  
EMERGENCY RESPONSE RELEASE DEFENSIVE ACTIONS**

<b>First Responder Actions</b>	<b>Emergency Coordinator Actions</b>	<b>HMC Actions</b>		
<ul style="list-style-type: none"> <li>✓ Avoid coming into physical contact with the spilled material.</li> <li>✓ Warn personnel to evacuate the area.</li> <li>✓ Extinguish all ignition sources.</li> <li>✓ Isolate incompatible substances.</li> <li>✓ Isolate the spill area to prevent personnel or vehicles from inadvertently entering the area.</li> <li>✓ Notify the EC/OOD at Base Boston. Report the following information:                             <ul style="list-style-type: none"> <li>▫ Name and telephone number of person reporting</li> <li>▫ Name and address of facility</li> <li>▫ Time and type of incident (e.g. release, spill, fire, or explosion)</li> <li>▫ Name and quantity of materials involved</li> <li>▫ Extent of injuries, if any</li> <li>▫ Possible hazards to human life and to the environment.</li> </ul> </li> <li>✓ Do NOT attempt to further investigate or clean up the spill. Stand by to assist the spill coordinator as necessary.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Determine need for evacuation:                             <ul style="list-style-type: none"> <li>• Toxic fumes</li> <li>• Any explosion potential</li> <li>• Fire that may spread to other flammables or cause explosion.</li> </ul> </li> <li>✓ Commit resources to direct cleanup activities as needed.</li> <li>✓ Obtain contractor assistance per Table 4-5. Notify Comptroller and Procurement and Contracting Department Head.</li> <li>✓ Complete Spill Response Checklist and Spill Response Notification (Appendix B)</li> <li>✓ Initiate the necessary reporting requirements as listed in Table 4-8.</li> <li>✓ Notify Sector Boston if oil has threatened/impacted Boston Harbor</li> <li>✓ Restrict access to Base w/ exception of response resources.</li> <li>✓ Provide for the recovery, temporary storage, and disposal of recovered waste, such as contaminated soil, water, and/or released materials in accordance with State and Federal regulations.</li> <li>✓ If possible, dike oil migration pathways</li> </ul>	<ul style="list-style-type: none"> <li>✓ Restore all emergency equipment to the pre-emergency levels.</li> <li>✓ Evaluate the effectiveness of the SPCC Plan and modify accordingly after Professional Engineer's review of the proposed modification.</li> </ul>		
<b>Fire, Explosion, Spill or Other Incident that Threaten Life, Property or the Environment</b>				
<ul style="list-style-type: none"> <li>✓ Activate internal alarms to notify personnel of an emergency.</li> <li>✓ Notify the EC/OOD.</li> <li>✓ Close doors and quickly evacuate the area.</li> <li>✓ Proceed to the predetermined checkpoint for mustering</li> </ul>	<ul style="list-style-type: none"> <li>✓ Assess the emergent situation.</li> <li>✓ Evacuate if necessary.</li> <li>✓ Notify the Police and the Fire Dept at 911 as necessary.</li> <li>✓ Notify the LEPC/SERC if potential for off-site involvement.</li> <li>✓ If needed, notify the nearest hospital.</li> </ul>			
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"><b>Evacuation Routes and Muster Points:</b></td> <td>See Appendix A</td> </tr> </table>			<b>Evacuation Routes and Muster Points:</b>	See Appendix A
<b>Evacuation Routes and Muster Points:</b>	See Appendix A			

**TABLE 4-6  
EMERGENCY RESPONSE RESOURCES**

<b>Contractors for spill clean-up</b>	
The following is a list of potential commercial sources for petroleum spill response in the Boston Area.	
Clean Harbors, Inc. (Headquarters) 42 Longwater Drive Norwell, MA 02061-9149 (800) 645-8265	CYN Environmental Services (Headquarters) 100 Tosca Drive Stoughton, MA 02072 781-341-1777
Frank Corporation Environmental Services 615 Tarkiln Hill Road New Bedford MA 02745-4926 508/995-9997	ENPRO Services 12 Mulliken Way Newburyport MA 01950 (800) 966-1102
Fleet Environmental Services (Headquarters) 75 York Avenue, Suite E Randolph, MA 02368 (781) 815-1100	Civil Engineering Unit Providence Pre Negotiated Cleanup Contract 401-736-1700 POC Contracting Officer
<b>Emergency Response Equipment</b>	
A limited supply of spill cleanup equipment is maintained at Base Boston in Buildings 8 and 14. This equipment includes absorbent materials, empty storage containers, and various tools. Quarterly inspections are conducted to ensure that adequate spill materials are present.	

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**Contact List/ Discharge Reporting Procedures** 40 CFR 112.7(a)(3)(vi), 40 CFR 112.7(a)(4)

If any amount of fuel enters Boston Harbor, deploy oil containment boom if available, and contact Sector Boston at (617) 223-3000. Every effort within the Base's capability shall be used until such help arrives. Any spill that creates a sheen on the water must be reported to the National Response Center (1-800-424-8802).

The reporting requirements for discharges vary with the location of the discharge and type and quantity of material discharged. Most reporting requirements are triggered when the quantity of the spill exceeds the regulatory Reportable Quantity (RQ) for a hazardous substance. RQs can be found in Appendix A to the DOT Shipping Tables, 49 CFR 172.101; the EPA "List-of-Lists" and the Massachusetts Contingency Plan (310 CMR 40.1600). Discharges of oil must be reported if they cause a film or sheen upon or discoloration of the surface of the water or adjoining shorelines or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines. RQs for other common materials and wastes are listed in Table 4-7.



**TABLE 4-7  
REPORTABLE QUANTITIES FOR  
COMMON MATERIALS AND WASTES**

<b>MATERIAL</b>	<b>RQ</b>
Petroleum Oil	10 gallons
Vegetable Oil	55 gallons
Gasoline/Diesel/Other Oils	Any amount or sheen on the water
Mercury	1 pound
Sulfuric Acid	1000 pounds
<b>HAZARDOUS WASTES</b>	<b>RQ (Pounds)</b>
D001 (Ignitable wastes)	100
D008 (Lead containing wastes)	10
D009 (Mercury containing wastes)	1

Table 4-8 is provided as a guide to determining the reporting requirements for each discharge. The Table lists the telephone numbers of the Federal, State and Coast Guard offices and personnel who may need to be notified in case of a discharge; who must be notified and when; and the information that must be available when making a discharge report. Table 4-8 is only a guide and if there is any question of reporting requirements, report the discharge.

In some cases a written report is required in addition to the telephone notification. The Massachusetts Contingency Plan requires submittal of a follow-up written notification within 7 days for all reported discharges. A written submittal to the EPA Region 1 Regional Administrator is required if the facility has discharged more than 1,000 gallons of oil in a single discharge, or discharged more than 42 gallons of oil in each of two discharges within a twelve month period. Anytime the LEPC/SERC are notified, a follow up report is required.

The Emergency Coordinator shall carry out the following actions for all discharges:

- ✓ Check Table 4-8 for reporting requirements and make required notifications as needed.
- ✓ Complete the Spill Response Checklist and Spill Response Notification Forms (Appendix B).
- ✓ Perform follow up as directed by the MA DEP or other regulatory agency having jurisdiction.
- ✓ Notify the Commanding Officer of any regulatory requirements.

**TABLE 4-8  
REPORTING REQUIREMENTS**

<b>Contacts</b>								
OOD								617-223-3333
Emergency Coordinator/Alternate Emergency Coordinator								617-223-3277/3125
Hazardous Waste Coordinator								617-223-3274
Environmental Office								617-223-3387
Sector Boston								617-223-3000
Boston Fire/Police Emergency								911
National Spill Response Center (NRC)								800-424-8802
MA DEP – Northeast Region								617-654-6500
MADEP 24 hr. emergency number								888-304-1133
Massachusetts Water Resources Authority								617-305-5940
State Emergency Response Coordinator (SERC)								508-820-2000
Local Emergency Planning Commission (LEPC)								617-343-3045
EPA Region 1 Regional Administrator								888-372-7341
CEU Providence Environmental Branch								401-736-1700
<b>Reports Required</b>								
Report to:	When	How	Type of discharge:					
			Incidental release	Greater than RQ	Beyond property line and >RQ. (Toxic fumes, explosion)	To Surface Water (any sheen), storm drain, or sanitary sewer	Injuries Fire Explosion	Oil >1,000 gallons or <u>Two</u> or more oil discharges >42 gallons each within 12 months
<b>OOD/EC/HWC</b>	<b>ASAP</b>	phone	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>NRC</b>	<b>2 hr</b>	phone	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>MADEP 24 hr. emergency number</b>	<b>2 hr</b>	phone		<b>X</b>	<b>X</b>		<b>X</b>	
<b>Sector Boston</b>	<b>ASAP</b>	phone				<b>X</b>		
<b>Police/Fire</b>	<b>ASAP</b>	phone					<b>X</b>	
<b>LEPC/SERC</b>	<b>ASAP</b>	phone			<b>X</b>			
<b>LEPC/SERC</b>	<b>60 days or less</b>	Written report			<b>X</b>			
<b>EPA Region 1 Administrator</b>	<b>60 days</b>	Written report						<b>X</b>
<b>MA DEP</b>	<b>7 days</b>	Written report		<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>
<b>Information Required</b>								
<b>All Discharges - Initial Notification and Internal Reports</b>								
<ul style="list-style-type: none"> <li>□ Name and address of facility.</li> <li>□ Name and telephone number of person reporting.</li> <li>□ Location/date/time of the spill/release</li> <li>□ Type of incident (discharge, spill, fire, explosion)</li> <li>□ Source and description of the release</li> </ul>					<ul style="list-style-type: none"> <li>□ Name and quantity of materials involved.</li> <li>□ Amount of used spill response materials.</li> <li>□ Extent of injuries or health risks, if any</li> <li>□ Possible hazards to human life and to the environment</li> </ul>			
<b>Additional Information for Follow Up Written Notifications</b>								
<ul style="list-style-type: none"> <li>□ Maximum oil storage and/or handling capacity of the facility and normal daily throughput</li> <li>□ Description of the facility, including maps, flow diagrams and topographical maps</li> <li>□ Cause of the spill(s) including a failure analysis</li> <li>□ Corrective actions and countermeasures taken including any equipment repair/replacement</li> <li>□ Additional preventive measures taken to prevent a recurrence of the incident</li> </ul>								

**5. Fuel Release Migration Pathways and Impacts** 40 CFR 112.7(b)

According to the Massachusetts Geographic Information System maps, Base Boston is not classified as a wetland area and there are no wellhead protection areas in the vicinity. There are no potable water wells in the area surrounding Base Boston. Potential surface water targets are Boston Harbor to the east, north and south. Base Boston is predominantly flat with a groundwater hydraulic gradient towards Boston Harbor. Furthermore, outdoor storm drains empty into the harbor, providing a very quick pathway for contamination transport. Potential migration pathways, volumes and impacts are summarized in Table 5-1.

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**TABLE 5-1  
POTENTIAL MIGRATION PATHS**

<b>Source</b>	<b>Type of Failure</b>	<b>Maximum Spill Volume</b>	<b>Predicted Flow Direction and Destination</b>	<b>Critical Water Use Areas</b>
Tank 1 No. 2 Heating Oil	Rupture leakage of tank/pipe or containment failure	10,000 gal	Leak into the ground and migrate toward Boston Harbor.	Groundwater/ Boston Harbor
Tank 3 Marine Diesel	Rupture leakage of tank/pipe or containment failure	1,000 gal	Toward nearest storm drain, which will discharge to Boston Harbor.	Boston Harbor
Tank 4a & 4b Waste Oil	Rupture leakage of tank/pipe or containment failure	500 gal	Onto concrete floor of building.	N/A
Tank 6a & 6b Diesel Fuel	Rupture leakage of tank/pipe or containment failure	660 gal	Onto concrete floor of building.	N/A
Tank 7 #2 Heating Oil	Rupture leakage of tank/pipe or containment failure	250 gal	Onto concrete floor of building.	N/A
Tank 8 Waste Oil	Rupture leakage of tank/pipe or containment failure	250 gal	Onto concrete floor of building.	N/A
Tank 9 Waste Oil	Rupture leakage of tank/pipe or containment failure	250 gal	Onto concrete floor of building.	N/A
Hazardous Waste Accumulation Area Shed	Drum rupture/containment failure	55 gal	Toward nearest storm drain, which will discharge to Boston Harbor.	Boston Harbor
Hazardous Waste Satellite Areas	Drum rupture/containment failure	55 gal	Onto concrete floor of building.	N/A
HazMin Ctr 55-Gallon Storage Area	Drum rupture/containment failure	55 gal	Onto concrete floor of building.	N/A
Transformers MODF	Rupture leakage of electrical equipment or containment failure	900 gal	Toward nearest storm drain, which will discharge to Boston Harbor.	Boston Harbor
Hydraulic Elevators	Rupture leakage of mechanical equipment	150 gal	Onto concrete floor of building.	N/A

## **6. Contingency Planning for Tank Truck Loading/Unloading** 40 CFR 112.7(d), 40 CFR 112.7(h)(1)

40 CFR 112.7(h)(1) requires a containment system for tank truck loading and unloading areas. Base Boston has no loading/unloading racks. No trucks are allowed to remain on the facility except when actively filling storage tanks.

## **7. Inspections, Tests and Records** 40 CFR 112.7(e)

All shore-side storage tanks, oil storage areas, transformers, hydraulic elevators, and spill response capability shall be inspected and maintained by the Facilities Engineering Department (FED) in accordance with the inspection schedule outlined in Table 7-1 and documented with the Petroleum Oil Storage and Oil-Filled Operational Equipment Weekly Routine Inspection Checklist/Log (Appendix B). All 55-gallon drums will be replaced after 3 years of use. In addition to the records outlined in Table 7-1, the following records are kept at Base Boston and maintained for a minimum of three years:

- Fuel/waste oil delivery amounts and monthly output (boat fuel and bilge water tanks).
- Log of inspection results, including observations of condition of aboveground fuel tanks, groundwater monitoring wells, alarm system function and all manual and automatic valve functions.
- Reports of releases or other fuel/waste oil related incidents.
- Preventive maintenance activity, including work performed and dates accomplished.
- Signature of responsible inspector.

The above ground fuel tanks, oil storage areas, and transformers are inspected for general condition, leaks and proper functioning on a weekly basis. The results of these inspections are recorded on Appendix B. Operations of all manual and automatic valves are checked monthly.

## **Environmental Equivalence of Visual Inspection in Lieu of Certified Tank Testing**

All ASTs are visible on all sides and/or are provided with secondary containment. With its engineering certification of this Oil SPCC Plan, Apex certifies that visual integrity inspection of ASTs by USCG personnel on at least a monthly schedule and replacement of the ASTs after 25 years of service (or sooner if evidence of a leak or release occurs, is observed or appears imminent) is environmentally equivalent to Certified Tank Inspections and Testing. At any time up to when any AST reaches 25-year of service, USCG may choose to perform a Certified Tank Inspection rather than replace the tank. The AST shall be replaced or the Certified Tank Inspection shall be performed in accordance with the STI Standard SP001-03 (or the current version), within 6 months of the 25-year service date. The results of the Certified Tank Inspection and recommendations of the inspector will be used to form the basis for determining the duration of continued service of the tank, the need for any corrective actions, and the frequency of subsequent Certified Tank Inspections.

TABLE 7-1 INSPECTIONS AND TESTS

Inspections and Tests	Description	Frequency	Documentation	Record Maintenance
Tank Integrity Testing Requirements	<p>All permanent above ground containers, valves and piping must be tested for integrity on a regular basis and when material repairs are done. Test technique may be hydrostatic, radiographic, ultrasonic, acoustic emissions or other system of non-destructive shell testing. All inspection and testing shall be performed in accordance with American Steel Tank Institute STI-SP001-03.</p> <p><b>At the discretion of USCG, all ASTs are potentially subject to the Environmental Equivalence Certification stated on the previous page.</b></p>	First test 10 years after installation. Subsequent tests based on initial report.	Test Report	Keep on file as long as the tank is in service and for three years after removal from service.
Tank/ Container & Transformer Inspection Requirements	<ul style="list-style-type: none"> <li>✓ Visual inspection of containers, piping, tank supports, and foundations for physical damage, deterioration or signs of leakage.</li> <li>✓ Remove from service damaged or leaking containers.</li> <li>✓ Verify that secondary containment is provided for the entire contents of each tank or storage area.</li> <li>✓ Clean up any accumulations of oil in the containment area.</li> <li>✓ Ensure that precipitation is drained or removed from the containment as needed.</li> <li>✓ Inspect the collected rainwater prior to discharge to ensure compliance with applicable water quality standards and to ensure that there is no sheen.</li> <li>✓ Containerize any contaminated rainwater.</li> </ul>	<p>Daily and after storm events</p> <p>Weekly</p>	<p>None</p> <p>Petroleum Oil Storage and Dispensing Equipment Weekly Routine Inspection Checklist (Appendix B)</p>	<p>None</p> <p>Three Years</p>

## 8. Personnel Training and Discharge Prevention Procedures 40 CFR 112.7 (f)

40 CFR 112.7(f) requires that training be conducted and lists general areas for the contents of training programs. Chapter 5, Section 6 of COMDTINST M5090.9 Storage Tank Manual outlines the training and record keeping required at each unit.

- Training shall be conducted at least annually for all personnel who are required to implement any part of this plan. As a minimum, training shall include procedures to be followed for:
  - ✓ Recordkeeping
  - ✓ Inspection
  - ✓ General facility operations
  - ✓ Operation and maintenance of equipment to prevent discharges
  - ✓ Oil and fuel transfer
  - ✓ Discharge procedures, emergency response and contents of this Plan
  - ✓ Applicable laws, rules and regulations
  - ✓ Analysis of known discharges and equipment failures
  - ✓ Unit specific topics as determined by the Commanding Officer
- Records must be kept for all training provided. These records may be included with and considered as a part of the RCRA training requirement or as documented with the Training Certification for Spill Prevention Control and Countermeasures Form (Appendix B).
- Designated personnel who are expected to participate in a coordinated emergency response effort must be given training in accordance with the duties and functions performed as described in 29 CFR 1910.120(q)(6). Units which evacuate their personnel from the work site location when an emergency occurs and who do not permit any personnel to assist in handling the emergency are exempt from the emergency response plan requirements if they provide an emergency action plan in compliance with 29 CFR 1910.38 (a).
  - ✓ The EC shall be trained to the OSHA defined level: First Responder-Operations.
  - ✓ The OOD shall be trained to the OSHA defined level: First Responder-Awareness.
- Periodic spill control drills shall be initiated by the Environmental Office and a facility-wide mock spill response training exercise shall be conducted annually to familiarize unit personnel on proper spill response actions. A description of each exercise along with an overall evaluation of response actions shall be documented and kept on file with the SPCC plan.
- Commanding Officers/Officers-in-Charge of tenant commands shall ensure that any of their personnel who are responsible for oil product storage or transfer are trained in and comply with these SPCC requirements.

**9. Security** 40 CFR 112.7(g)

Base Boston is manned by contracted security guards, an OOD, and a 3 person duty section, 24 hours a day 7 days a week. All watchstanders maintain security and are familiar with emergency procedures. Access to the Base is restricted to the main gate from Commercial Street, which is guarded at all times. Base Boston is surrounded by a fence and monitored by surveillance cameras. A fence surrounding the property on three sides and the Harbor to the east restricts the access to the fuel storage areas. The fuel storage areas are kept locked at all times when not in use.

Oil storage tanks are located throughout the facility and are visually inspected on a daily basis. Lighting is sufficient to enable visual inspections and additional portable lighting is available for deployment in the event of an emergency. There are drain valves on the 660-gallon tanks for the emergency generator. There are no drain valves on the remaining above ground tanks themselves. All other valves that could permit direct outward flow of oil product are locked in closed positions when not in use.

**10. Brittle Fracture Evaluation** 40 CFR 112.7(i)

Not Applicable. There are no field-constructed aboveground containers at Base Boston.

**11. Conformance with State Requirements** 40 CFR 112.7(j)

Massachusetts does not require additional requirements that are more stringent rules, regulations, and guidelines.

**12. Substantial Harm Criteria** 40 CFR 112.20(e) and (f)

Base Boston does not meet the substantial harm criteria listed in 40 CFR 112.20(f). The certification form required by 40 CFR 112.20(e) is included in Appendix C.



## **APPENDIX A**

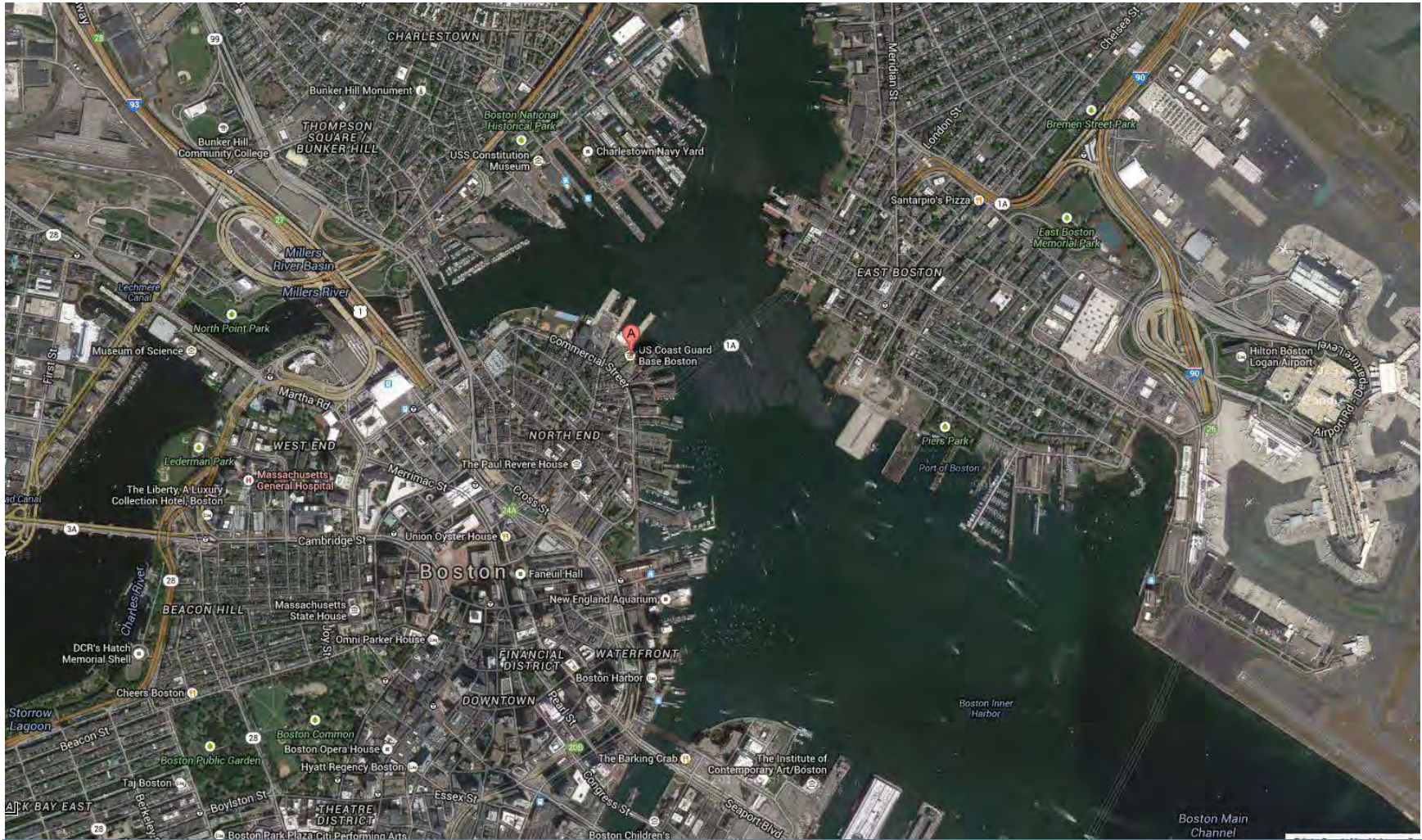
### **FACILITY DIAGRAM/DESCRIPTION**

Locus Map and Facility Site Plan

List of Tenants of Base Boston Facility

Evacuation Routes and Muster Locations

# U.S. COAST GUARD BASE BOSTON LOCUS MAP





**BASE BOSTON  
TENANTS**

<b>Command</b>	<b>Location</b>
Sector Boston	Bldgs. 1, 4, 14, 15
Station Boston	Bldg. 4
Aids to Navigation Team (ANT) Boston	Bldg. 14, 16
CGC SPENCER	Pier
CGC SENECA	Pier
CGC ESCANABA	Pier
CGC PENDANT	Pier
CGC FLYING FISH	Pier
Department of Defense (DOD) Detachment 428	Bldg. 8
Maritime Safety & Security Team (MSST)	Bldg. 8, 16

\*\*\*\*\*

**EVACUATION ROUTES AND MUSTER POINTS**

**Evacuation routes by vehicle or pedestrian**

**Main Gate**

**Fiske Alley (gate must be unlocked)**

**Gate at ‘Walkway to the Sea’ (gate must be unlocked)**

**Muster Point is Boston’s North End Ball field area**

## **APPENDIX B**

### **FORMS**

Spill Response Checklist

Spill Response Notification

Petroleum Oil Storage and Oil-Filled Operational Equipment Weekly

Routine Inspection Checklists/Logs

Training Certification for Spill Prevention Control and Countermeasures

**SPILL RESPONSE CHECKLIST****SPILL CONTAINMENT AND CLEANUP**

Use the minimum amount of resources and materials necessary to do a complete cleanup operation, in order to minimize potential waste material generated. The following checklist items should be considered depending on the incident.

<b>Action taken by</b>	<b>All Spills</b>	<b>YES</b>	<b>N/A</b>
1 <sup>st</sup> Responder	Ensure source of spill is secured.		
1 <sup>st</sup> Responder	Notify OOD and Emergency Coordinator (EC) of situation, pass information via intercom system if area is secured to traffic, smoking lamp out, etc.		
	<b>Incidental Spill (known material/easily contained/no immediate danger)</b>		
1 <sup>st</sup> Responder	Coordinate cleanup efforts.		
1 <sup>st</sup> Responder	Ensure personnel have proper Personal Protective Equipment.		
1 <sup>st</sup> Responder	Contain spill with absorbent materials from emergency spill kit.		
1 <sup>st</sup> Responder	Collect contaminated soil in bags or drums as quickly as possible to prevent the spill from reaching the waterways or storm drains.		
1 <sup>st</sup> Responder	Properly dispose of waste/spill clean-up material.		
	<b>Surface Water Spills</b>		
1 <sup>st</sup> Responder	Secure area to nonessential personnel, post guards. Stand by to assist EC as necessary.		
EC	Immediately call Sector Boston and MADEP (over 10 gallons only) for assistance and emergency response. If a sheen is created on the water, call the National Response Center.		
EC	Deploy booms as necessary to contain spill, use absorbent towels to collect and control contaminant. Bag and drum all materials.		
EC	Follow guidance provided by Sector Boston with cleanup operations.		
	<b>Emergency Response Spill(Unknown/Mercury/Sewage/Fire/Toxic/Explosive)</b>		
1st Responder	Secure area to nonessential personnel, post guards. Stand by to assist EC/OOD as necessary.		
EC/OOD	Contact Emergency Points of Contact in accordance with Table 4-10.		
EC/OOD	Deploy booms as needed to contain spill/prevent from reaching waterways. Use absorbent towels to collect and control contaminant. Bag and drum all materials.		
EC/OOD	Assess situation. Contact additional spill cleanup or emergency response resources for assistance.		
	<b>Evacuation Procedures</b>		
1 <sup>st</sup> Responder	Activate internal alarms to notify personnel of an emergency.		
1 <sup>st</sup> Responder	Notify the CO, EC, OOD and Hazardous Waste Coordinator.		
1 <sup>st</sup> Responder	Close doors/windows behind you and quickly evacuate the area.		
All Personnel	Proceed to the predetermined checkpoint for mustering.		
All Personnel	Assist On Scene Coordinator.		
OOD	617-223-3333	Massachusetts DEP	888-304-1133
Emergency Coordinator/Alternate EC	617-223-3277/3125	LEPC/Boston Fire	617-343-3045
Base Hazardous Waste Coordinator	617-223-3274	State Emergency Response Commission	508-820-2000
Base Environmental Office	617-223-3387	National Response Center	800-424-8802
Sector Boston	617-223-3000	CEU Providence	401-736-1700
Boston Fire/Police Emergency	911		

**SPILL RESPONSE NOTIFICATION**

Date:	Time:		
<b>REPORTING PARTY</b>		<b>SUSPECTED RESPONSIBLE PARTY</b>	
Last Name:		Last Name:	
First Name:		First Name:	
Phone:		Phone:	
Company:		Company:	
Position:		Position:	
Address		Address	
City:		City:	
State/ZIP:		State/ZIP:	
Were materials released? <input type="checkbox"/> Yes <input type="checkbox"/> No		Comments:	
Did you notify the responsible Party? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>INCIDENT SOURCE AND CAUSE</b>			
Source/Cause:			
		<input type="checkbox"/> Occurred <input type="checkbox"/> Discovered	
<b>Type of Incident:</b>	<input type="checkbox"/> Air	<input type="checkbox"/> Facility	<input type="checkbox"/> Highway
	<input type="checkbox"/> Vehicle	<input type="checkbox"/> Pipeline	<input type="checkbox"/> Fuel Tank
	<input type="checkbox"/> Other		<input type="checkbox"/> Marine
<b>Cause:</b>	<input type="checkbox"/> Dumping	<input type="checkbox"/> Equipment Failure	<input type="checkbox"/> Natural Occurrence
	<input type="checkbox"/> Operator Error	<input type="checkbox"/> Auto accident	<input type="checkbox"/> Unknown
	<input type="checkbox"/> Other		
<b>INCIDENT LOCATION</b>			
Incident Address Location:		Nearest City:	
State:		County/ZIP:	
Distance From City:		Direction From City:	
Section:		Township: _____ Range: _____	
Container Type: _____ Capacity: _____		Facility Capacity:	
Latitude:		Longitude:	

**SPILL RESPONSE NOTIFICATION**

<b>Date:</b>		<b>Time:</b>	
<b>MATERIAL INVOLVED</b>			
Chris Code:	Amount:	Unit:	Material Name:
Chris Code:	Amount:	Unit:	Material Name:
Chris Code:	Amount:	Unit:	Material Name:
Chris Code:	Amount:	Unit:	Material Name:
Chris Code:	Amount:	Unit:	Material Name:
<b>REMEDIAL ACTION</b>			
Action Taken:			
Medium Affected:			
Buildings Closed?: <input type="checkbox"/> Yes <input type="checkbox"/> No		Roads Closed?: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Number of Injuries:		Number of Fatalities:	
Evacuations?: <input type="checkbox"/> Yes <input type="checkbox"/> No		Number Evacuated:	
Damage?: <input type="checkbox"/> Yes <input type="checkbox"/> No		Estimated Damage Cost:	
Description of Damage:			
<b>CALLER NOTIFICATIONS</b>			
<input type="checkbox"/> Environmental Protection Agency		<input type="checkbox"/> Marine Safety Office	
<input type="checkbox"/> State Police		<input type="checkbox"/> Civil Engineering Unit	
<input type="checkbox"/> State Agency		<input type="checkbox"/> Other	



## Base Boston Spill Prevention Control and Countermeasure Plan

### Storage Tank Weekly Inspection Log

**Instructions:** This inspection record should be completed weekly during inspection rounds. Visually inspect each tank, containment area, and associated piping for any defects. Record results in appropriate blocks below. If a deficiency is noted, identify the tank location and problem in the comment block below.

Inspector Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Inspector's signature indicates inspection was done in accordance with the Spill Prevention Control Countermeasure (SPCC) Plan for Base Boston.

Description	Tank 1 10,000 Gallon UST Fiske Alley #2 HO		Tank 3 1,000 Gal Ext. Bldg 14 Marine DF		Tank 4a 500 Gal Bldg 8 Waste Oil		Tank 4b 500 Gal Bldg 8 Waste Oil		Tank 6a 660 Gal Bldg 4 Gen. Room #2 DF		Tank 6b 660 Gal Bldg 4 Gen. Room #2 DF		Tank 7 250 Gal Sand Shed #2 HO		Tank 8 250 Gal Bldg 16 Waste Oil		Tank 9 250 Gal Bldg 16 Waste Oil	
	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
1. Do tanks, pipes, valves, or other associated equipment show signs of leakage, corrosion wear or deformity?																		
2. Is the container top or fill area free of spillage or debris?																		
3. Are level gauges functioning properly?																		
4. Is the leak detection system checked daily and functioning properly?																		
5. Does the container have adequate secondary containment?																		
6. Has water or ice accumulated in the secondary containment?																		
7. Is there a sheen of product on the water in containment?																		
8. If the secondary containment has a drain is the containment drain locked when not in use?																		
9. Are there visible cracks or staining in the containment foundation or perimeter?																		
10. Is the container properly labeled and is the label visible?																		
11. Every time water is discharged from the containment, is it checked for an oil sheen and results recorded?																		
12. Is there any other deficiency noted?																		
13. Soundings																		
14. Comments and corrective actions:																		

## Base Boston Spill Prevention Control and Countermeasure Plan

### Electrical Transformer Weekly Inspection Log

**Instructions:** This inspection record should be completed weekly during inspection rounds. Visually inspect each transformer, containment area, and associated piping for any defects. Record results in appropriate blocks below. If a deficiency is noted, identify the transformer location and problem in the comment block below.

Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector's signature indicates inspection was done in accordance with the Spill Prevention Control and Countermeasure (SPCC) Plan for Base Boston.

Description	Transformer 1a 900 Gal MODF Oil-cooled Electrical Transformer Outside Building 7		Transformer 1b 900 Gal MODF Oil-cooled Electrical Transformer Outside Building 7		Transformer 2 900 Gal MODF Oil-cooled Electrical Transformer Outside Building 11	
	YES	NO	YES	NO	YES	NO
1. Do tanks, pipes, valves, or other associated equipment show signs of leakage, corrosion, wear or deformity?						
2. Is the container top or fill area free of spillage or debris?						
3. Are level gauges functioning properly?						
4. Is the leak detection system checked daily and functioning properly?						
5. Does the container have adequate secondary containment?						
6. Has water or ice accumulated in the secondary containment?						
7. Is there a sheen of product on the water in containment?						
8. If the secondary containment has a drain is the containment drain locked when not in use?						
9. Are there visible cracks or staining in the containment foundation or perimeter?						
10. Is the container properly labeled and is the label visible?						
11. Every time water is discharged from the containment, is it checked for an oil sheen and results recorded?						
Comments and corrective actions:						

# Base Boston Spill Prevention Control and Countermeasure Plan

## Hydraulic Elevator Weekly Inspection Log

**Instructions:** This inspection record should be completed weekly during inspection rounds. Visually inspect each elevator mechanical room, hydraulic oil reservoir, and associated pressure lines for any defects. Record results in appropriate blocks below. If a deficiency is noted, identify the elevator location and problem in the comment block below.

Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector's signature indicates inspection was done in accordance with the Spill Prevention Control and Countermeasure (SPCC) Plan for Base Boston.

Description	Hydraulic Elevator 1a 150 Gallons Elevator Machine Room 2 <sup>nd</sup> Deck, Building 1		Hydraulic Elevator 1b 150 Gallons Elevator Machine Room 2 <sup>nd</sup> Deck, Building 1		Hydraulic Elevator 2 125 Gallons Elevator Machine Room First Floor, Building 14		Hydraulic Elevator 3 150 Gallons Elevator Machine Room Room B03, Building 15	
	YES	NO	YES	NO	YES	NO	YES	NO
1. Does the equipment show signs of leakage, corrosion, or deformity?								
2. Are there signs of discoloration, bubbling, or cracking of the exterior coating of paint on the equipment?								
3. Are there any areas of significant wear to bolts, moving parts, gaskets, transfer lines/hoses?								
4. Are there any signs of structural weakness in the supports and/or foundation of the equipment?								
5. Is there evidence of leaked materials, staining, or wet spots?								
6. Will a release from this equipment under pressure be completely contained within the building?								
Comments and corrective actions:								

Base Boston Spill Prevention Control and Countermeasure Plan

**HazMin Center Oil Storage Container Weekly Inspection Log**

**Instructions:** This inspection record should be completed weekly during inspection rounds. Visually inspect each container and containment area for any defects. Record results in appropriate blocks below. If a deficiency is noted, identify the container location and problem in the comment block below.

Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector's signature indicates inspection was done in accordance with the Spill Prevention Control Countermeasure (SPCC) Plan for Base Boston.

Description	HazMin Center In Building 8		Comments/Corrective Actions
	Yes	No	
1. Do oil storage containers or other associated equipment show signs of leakage, corrosion, wear or deformity?			
2. Are oil storage containers closed when not in use? (i.e. dispensing pumps removed, etc.)			
3. Are dispensing pumps and valves working properly?			
4. Is secondary containment provided for oil storage containers?			
5. Is there any product in the secondary containment?			
6. Is there any visible staining on the floor/ground due to dispensing units?			
7. Is a spill kit readily accessible?			
8. Is there any other deficiency noted?			



## **APPENDIX C**

### **CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA**

**CERTIFICATION OF THE APPLICABILITY OF THE  
SUBSTANTIAL HARM CRITERIA (40 CFR 112.20 (e))**

Facility Name: U.S. Coast Guard Base Boston

Facility Address: 427 Commercial Street Boston, MA 02109

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes  No

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

Yes  No

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

Yes  No

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake?

Yes  No

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes  No

**CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that Based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

\_\_\_\_\_  
Name (please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date