



Massachusetts Port Authority
One Harborside Drive, Suite 200S
East Boston, MA 02128-2090
Telephone (617) 568-5950
www.massport.com

November 7, 2018

Amelia Croteau
Executive Secretary
Boston Conservation Commission
Boston City Hall - Room 709
Boston, MA 02201

Re: Notice of Intent for
Work Completed at the North Jetty
Massport Maritime Terminal
20 Fid Kennedy Avenue, South Boston

Dear Ms. Croteau:

Enclosed please find eight (8) copies of the Notice of Intent (NOI) for work that was completed at the North Jetty site which is located at the Massport Maritime Terminal in South Boston. As detailed in the Project Narrative included in the NOI, the work was done on an expedited basis to provide a berthing location for a vessel which is housing emergency gas line workers.

The work at the North Jetty site was conducted within the 100-foot Buffer Zone to the Coastal Bank and Land Subject to Coastal Storm Flowage. The work was completed within a 24-hour period and was continually supervised to ensure there was no migration of materials to the harbor.

A filing fee check for \$281.25 (estimated project cost is \$375,000) is being processed by Massport's Accounting office and will be forwarded to you prior to the hearing. Copies of the NOI are being provided to the MassDEP Northeast Regional Office.

Please feel free to contact me at (617) 568-3552 should you have any questions or need additional information.

Sincerely,
MASSACHUSETTS PORT AUTHORITY

James W. Stolecki, P.E., LSP
Senior Environmental Project Manager

Enclosures

cc: Lisa Wieland, Nhuy Hoang, Chet Myers – Massport

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 #:
eDEP Transaction #:1060293
City/Town:BOSTON

A.General Information

1. Project Location:

a. Street Address	20 FID KENNEDY AVENUE		
b. City/Town	BOSTON	c. Zip Code	02210
d. Latitude	42.34763N	e. Longitude	71.02562W
f. Map/Plat #	NA	g.Parcel/Lot #	0602674205

2. Applicant:

Individual Organization

a. First Name	JAMES	b.Last Name	STOLECKI		
c. Organization	MASSACHUSETTS PORT AUTHORITY				
d. Mailing Address	ONE HARBORSIDE DRIVE				
e. City/Town	EAST BOSTON	f. State	MA	g. Zip Code	02128
h. Phone Number	617-568-3552	i. Fax		j. Email	jstolecki@massport.com

3.Property Owner:

more than one owner

a. First Name	JAMES	b. Last Name	STOLECKI		
c. Organization	MASSACHUSETTS PORT AUTHORITY				
d. Mailing Address	ONE HARBORSIDE DRIVE				
e. City/Town	EAST BOSTON	f.State	MA	g. Zip Code	02128
h. Phone Number	617-568-3552	i. Fax		j.Email	jstolecki@massport.com

4.Representative:

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

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

a.Total Fee Paid	500.00	b.State Fee Paid	237.50	c.City/Town Fee Paid	262.50
------------------	--------	------------------	--------	----------------------	--------

6.General Project Description:

IMPROVEMENTS TO THE NORTH JETTY SITE TO ACCOMMODATE BERTHING OF THE GRAND CELEBRATION CRUISE VESSEL WHICH IS BEING USED TO HOUSE EMERGENCY GAS LINE REPAIR WORKERS. THE IMPROVEMENTS INCLUDED INSTALLATION OF TWO NEW BOLLARDS, PLACEMENT OF CRUSHED STONE ADJACENT TO EXISTING BOLLARDS AND FILLING TWO SINKHOLES.

7a.Project Type:

- | | |
|---|--|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |

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 #:
eDEP Transaction #:1060293
City/Town:BOSTON

- 9. Transportation 10. Other

7b. Is any portion of the proposed activity eligible to be treated as a 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:
2. Limited Project

8. Property recorded at the Registry of Deeds for:

Table with 4 columns: a.County, b.Certificate, c.Book, d.Page. Row 1: SUFFOLK, 24850, 346

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

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - 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)

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Bank, Bordering Vegetated Wetland, Land under Waterbodies and Waterways, Bordering Land Subject to Flooding, Isolated Land Subject to Flooding, and Riverfront Area.

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 #:
 eDEP Transaction #:1060293
 City/Town:BOSTON

- a. total square feet b. square feet within 100 ft. c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No
 6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3.Coastal Resource Areas: (See 310 CMR 10.25 - 10.35)

Resource Area Size of Proposed Alteration Proposed Replacement (if any)

a. <input checked="" type="checkbox"/> Designated Port Areas	Indicate size under	Land under the ocean below,
b. <input type="checkbox"/> Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beaches	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
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab, crea.
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	7675 1. square feet	

4.Restoration/Enhancement

Restoration/Replacement

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 entered the additional amount here.

- a. square feet of BVW b. square feet of Salt Marsh

□ **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 #:

eDEP Transaction #:1060293

City/Town:BOSTON

5. Projects Involves Stream Crossings

Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

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:2017

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

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. Assessor's Map or right-of-way plan of site

3. Project plans for entire project site, including wetland resource areas and areas outside of wetland 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

c. MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" 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

d. OR Check One of the following

1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

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 #:
eDEP Transaction #:1060293
City/Town:BOSTON

2. Separate MESA review ongoing.

a. NHESP Tracking Number

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.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

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

a. Not applicable - project is in inland resource area only

b. Yes No

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

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

North Shore - Hull to
New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase street - 3rd floor
New Bedford, MA 02740-6694

Division of Marine
Fisheries -
North Shore Office
Attn: Environmental
Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it 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.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

Yes No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. 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

5. 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

6. 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

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 #:
eDEP Transaction #:1060293
City/Town:BOSTON

b. No, Explain why the project is exempt:

1. Single Family Home
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

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 by regular mail delivery.

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.
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.

a. Plan Title: **b. Plan Prepared By:** **c. Plan Signed/Stamped By:** **c. Revised Final Date:** **e. Scale:**

PROPOSED
BOLLARDS AND SITE
REPAIRS SHEETS C- ALAN PEPIN
100 AND C-101

October 2018

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.

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 #:

eDEP Transaction #:1060293

City/Town:BOSTON

E. Fees

1.

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

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

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payer name on check: First Name

7. Payer name on check: Last Name

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.

James Stolecki
1. Signature of Applicant

11/7/2018
2. Date

3. Signature of Property Owner(if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, 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
WPA Form 3 - Notice of Wetland Fee Transmittal
Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1060293
 City/Town: BOSTON

A. Applicant Information

1. Applicant:

a. First Name	JAMES	b. Last Name	STOLECKI
c. Organization	MASSACHUSETTS PORT AUTHORITY		
d. Mailing Address	ONE HARBORSIDE DRIVE		
e. City/Town	EAST BOSTON	f. State	MA
g. Zip Code	02128		
h. Phone Number	6175683552	i. Fax	
j. Email	jstolecki@massport.com		

2. Property Owner: (if different)

a. First Name	JAMES	b. Last Name	STOLECKI
c. Organization	MASSACHUSETTS PORT AUTHORITY		
d. Mailing Address	ONE HARBORSIDE DRIVE		
e. City/Town	EAST BOSTON	f. State	MA
g. Zip Code	02128		
h. Phone Number	6175683552	i. Fax	
j. Email	jstolecki@massport.com		

3. Project Location:

a. Street Address	20 FID KENNEDY AVENUE	b. City/Town	BOSTON
-------------------	-----------------------	--------------	--------

Are you exempted from Fee? (YOU HAVE SELECTED 'NO')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
J.) ANY OTHER ACTIVITY NOT IN CATEGORY 1,3,4,5 OR 6;	1	500.00		500.00
		City/Town share of filling fee	State share of filing fee	Total Project Fee
		\$262.50	\$237.50	\$500.00

Work Completed at North Jetty, South Boston To Accommodate Docking of Vessel

Background

During the week of October 1, 2018, Massport was contacted by the Governor's Office of the Commonwealth of Massachusetts to discuss the possibility of berthing a cruise ship at the North Jetty pier, located at the Massport Marine Terminal in South Boston, to relieve the pressure on available housing in the Merrimac Valley area related to the recent gas line disaster. Over 1,000 gas line workers from outside the area were being engaged to repair the gas line infrastructure, and available living space for the workers (including hotels) was in short supply, as displaced residents also required such living space. The location of the North Jetty site is shown on the attached Location Plan.

To assist in the problem, a team of individuals within agencies at the local, state and federal levels, as well as individuals within the private sector, reviewed possible locations for a cruise vessel that could be docked for up to 60 days, which would house the emergency gas line workers. A number of potential sites were evaluated including various sites in the Port of Boston, at other Ports in the Commonwealth, and sites in New Hampshire. By October 5, 2018, the team had completed its evaluation of alternatives for berthing the vessel. Due to the size of the vessel and its berthing needs, security issues, access in and out for more than 1,000 workers and the critical timing, the North Jetty pier was determined to be the only feasible option. The team from the Commonwealth coordinating the project indicated that the vessel needed to be docked at the pier by October 12, 2018.

While the various berthing sites were being evaluated, Massport conducted an inspection of the North Jetty during the week of October 1st, and quickly realized that the condition of the North Jetty was poor, and that a number of repairs were required to be completed in order to safely berth the vessel. In particular, the deficiencies included:

- Bollards that had exceeded their useful life;
- Long-term erosion that threatened other existing bollards; and
- Sinkholes that presented safety hazards.

In order to meet the October 12th deadline, Massport was asked to make the repairs immediately so the vessel could safely dock.

Work Performed at the North Jetty

In order to restore the condition of the pier in as short a time as possible, Massport had to conduct work on extremely short notice. The work that was performed on October 5th and October 6th included the following:

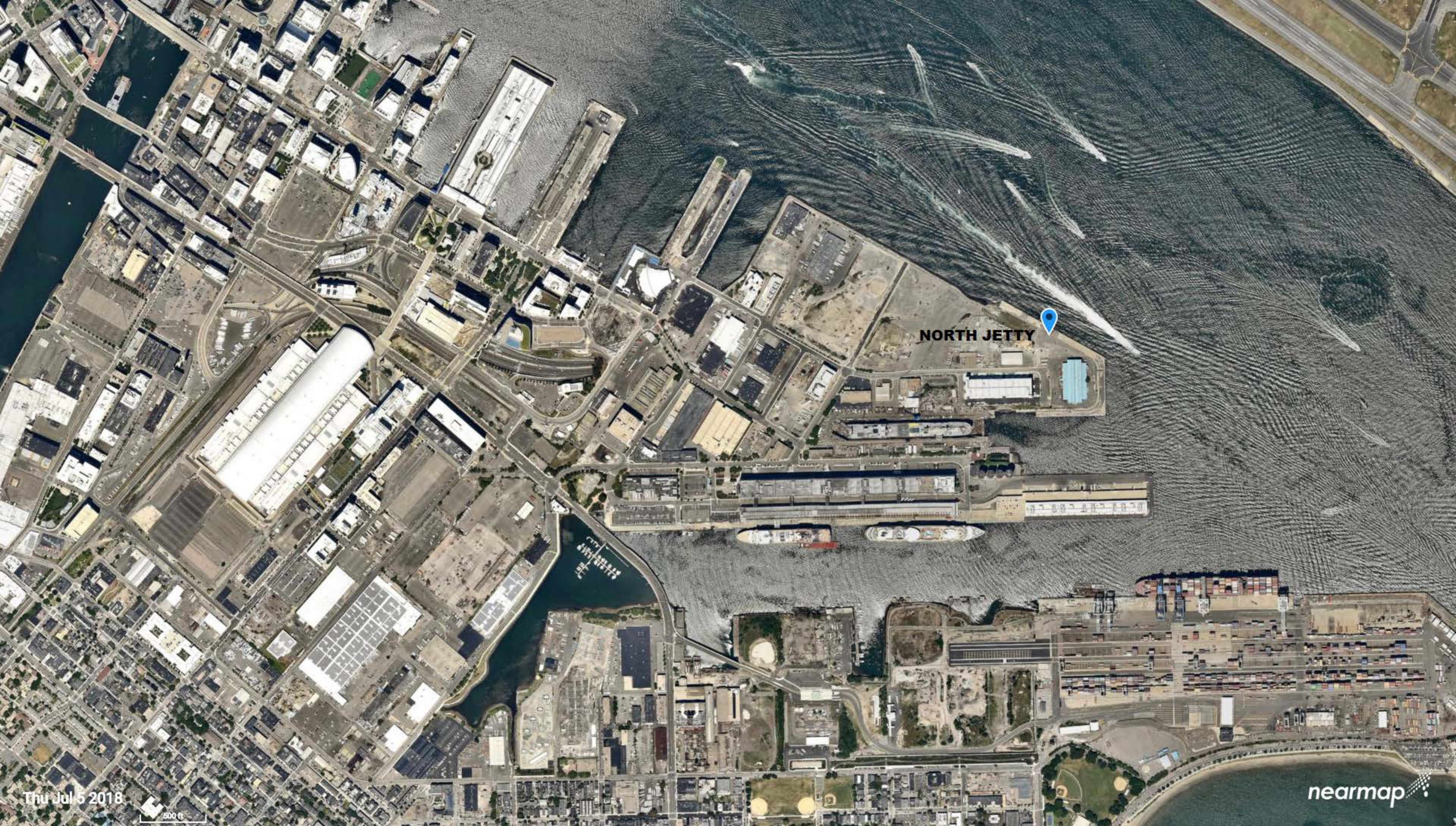
Work Completed at North Jetty, South Boston To Accommodate Docking of Vessel

- Massport installed two new 100-ton bollards to service the stern lines of the vessel, as the existing bollards on the stern side of the vessel were past their useful life. The location of the new bollards is shown on the Sheet C-100 and the detail of the bollards is shown on Sheet C-101. While construction of replacement bollards could begin immediately, the concrete supporting the bollards would take one to two weeks to cure before it could be fully utilized. As a result, the bollards had to be installed that day to minimize the wait time. Two new excavations on the land-side of the existing bollards were created, rebar was installed into the holes, two new pipe bollards were set and concrete to support the bollards was poured. All of this work was accomplished within a 24-hour period. (see Photo 1)
- There were several sinkholes along the shoreline side of the North Jetty pier that posed a safety hazard for line handlers as they tied up the vessel. The sinkholes were caused by fill material washing through the bulkhead due to wave action. To prevent future washouts, these sinkholes were lined with filter fabric and filled with crushed stone. (see Photo 2)
- The bollards for the bow lines of the vessel had been undermined by long-term erosion, also caused by washout of fill material through the bulkhead. To stabilize these bollards, jersey-type barriers were installed inland of the shoreline, the resulting enclosure was lined with filter fabric, and filled with crushed stone as shown in the detail on Sheet C-101. (see Photo 3)

Description of Resource Areas and Mitigation Measures

The work described above was conducted within the 100-foot Buffer Zone to the Coastal Bank and within Land Subject to Coast Storm Flowage. This area was previously developed, but it was necessary to fill depressions with crushed stone and to install new bollards to ensure safe docking of the vessel.

The placement of crushed stone to bring the area to a level grade, and the installation of the concrete-supported bollards, was done in a manner which prevented migration of any material to the harbor. All of the work was overseen by Massport's consultant, GEI Consultants, Waterfront Division, and took place over a 24-hour period.



NORTH JETTY

Thu Jul 5 2018

500 ft

nearmap

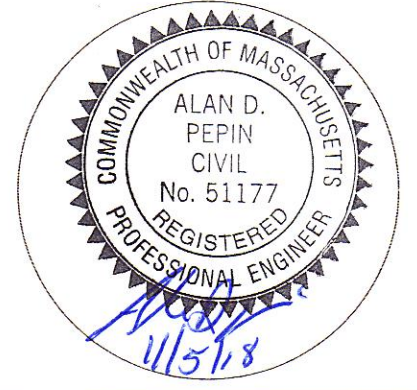


MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
NORTH JETTY
SOUTH BOSTON, MASSACHUSETTS

MPA CONTRACT NO.: M545-C1
LOCATION CODE: 4310
PROJECT SUBMISSION PHASE:

REGISTRATION STAMP:



KEY PLAN:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

GEI Consultants
GEI CONSULTANTS, INC.
3 BENT STREET
FRANKLIN, MA 02038
(508)533-6666

CONSULTANT:

PROJECT NUMBER AND TITLE:
MXXX-CX
NORTH JETTY

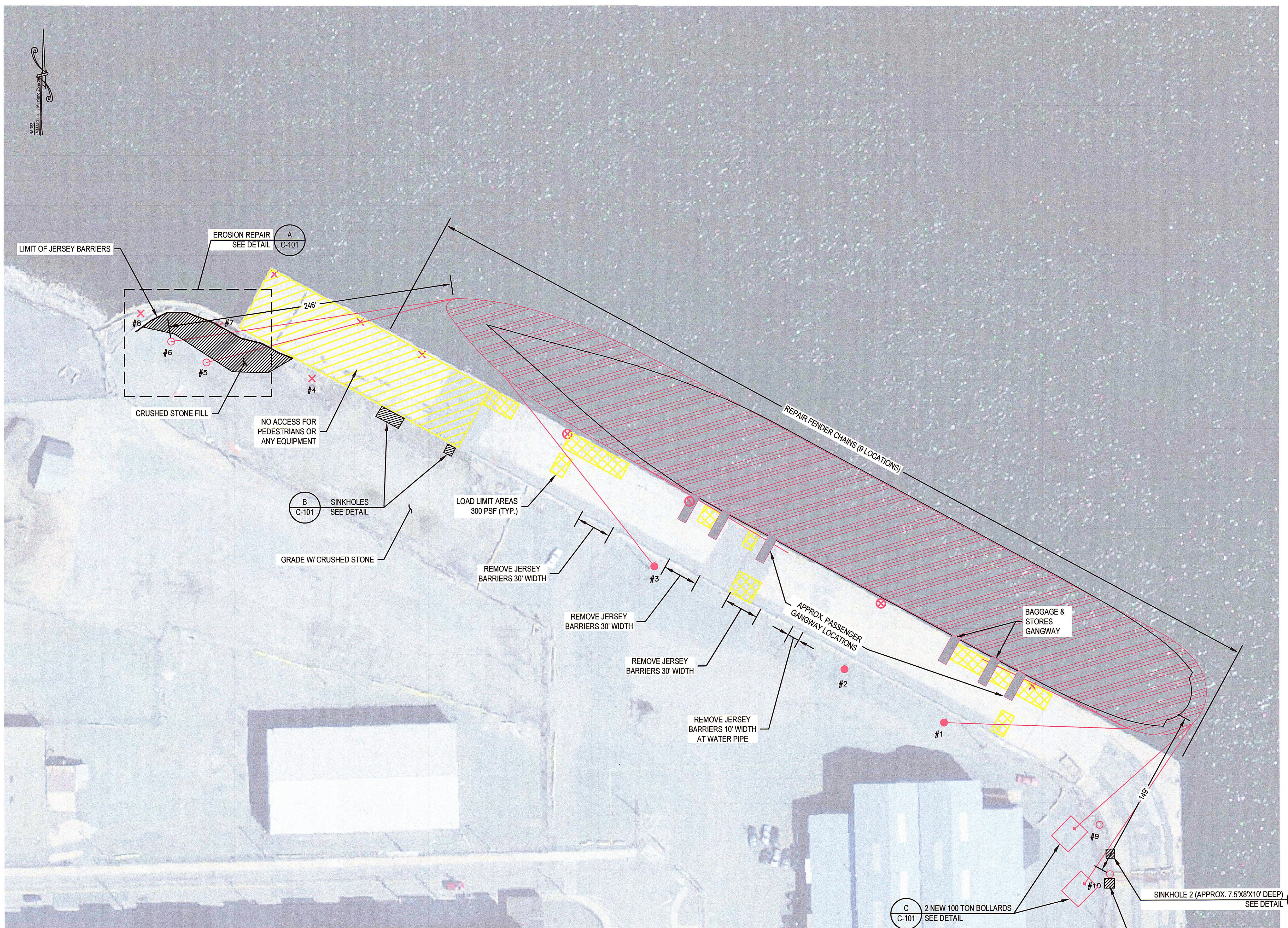
SHEET TITLE:
PROPOSED BOLLARDS AND
SITE REPAIRS - PLAN
DRAWING PHASE (NEW)

DISCIPLINE:
CIVIL

DRAWN BY: JSF/ASC
CHECKED BY: ADP
APPROVED BY: ADP

SCALE: AS NOTED
DATE: NOVEMBER 2018

SHEET NUMBER:
C-100



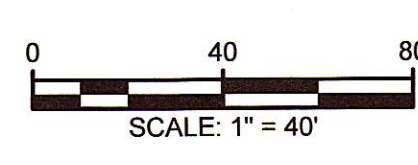
LEGEND

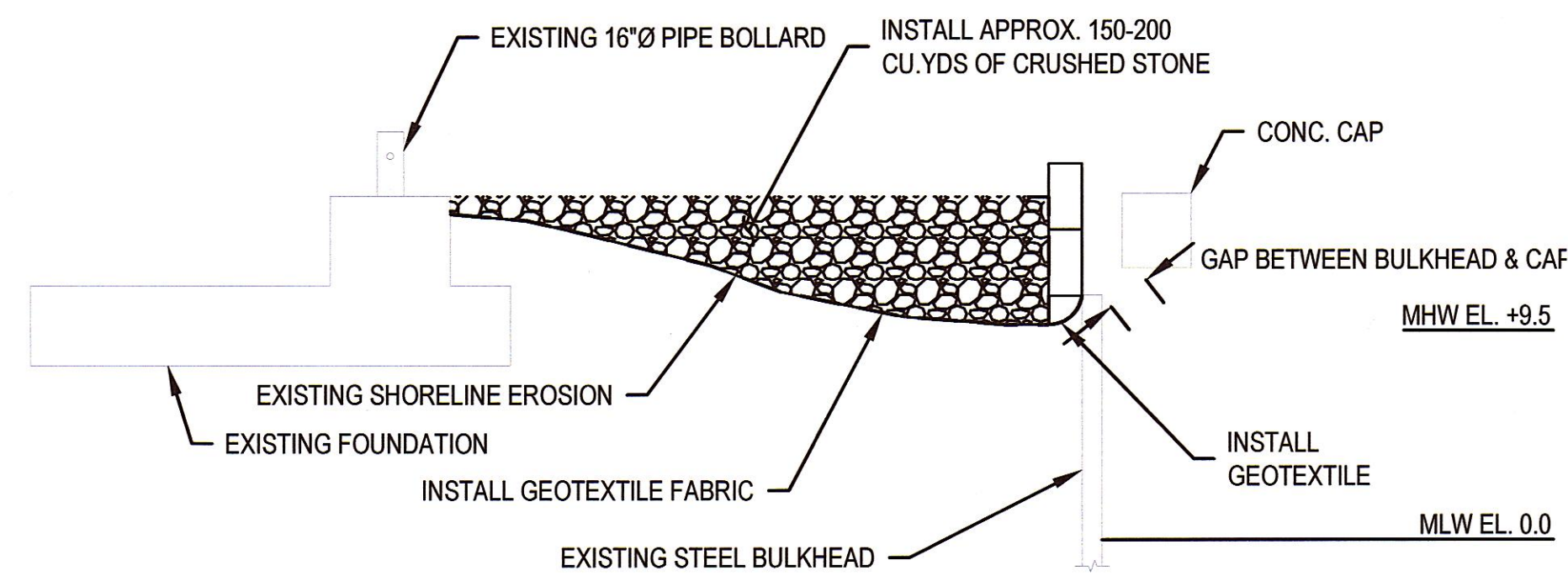
300 PSF LOAD LIMIT

ALL OTHER AREAS 500 PSF LOAD LIMIT
UNLESS NOTED OTHERWISE

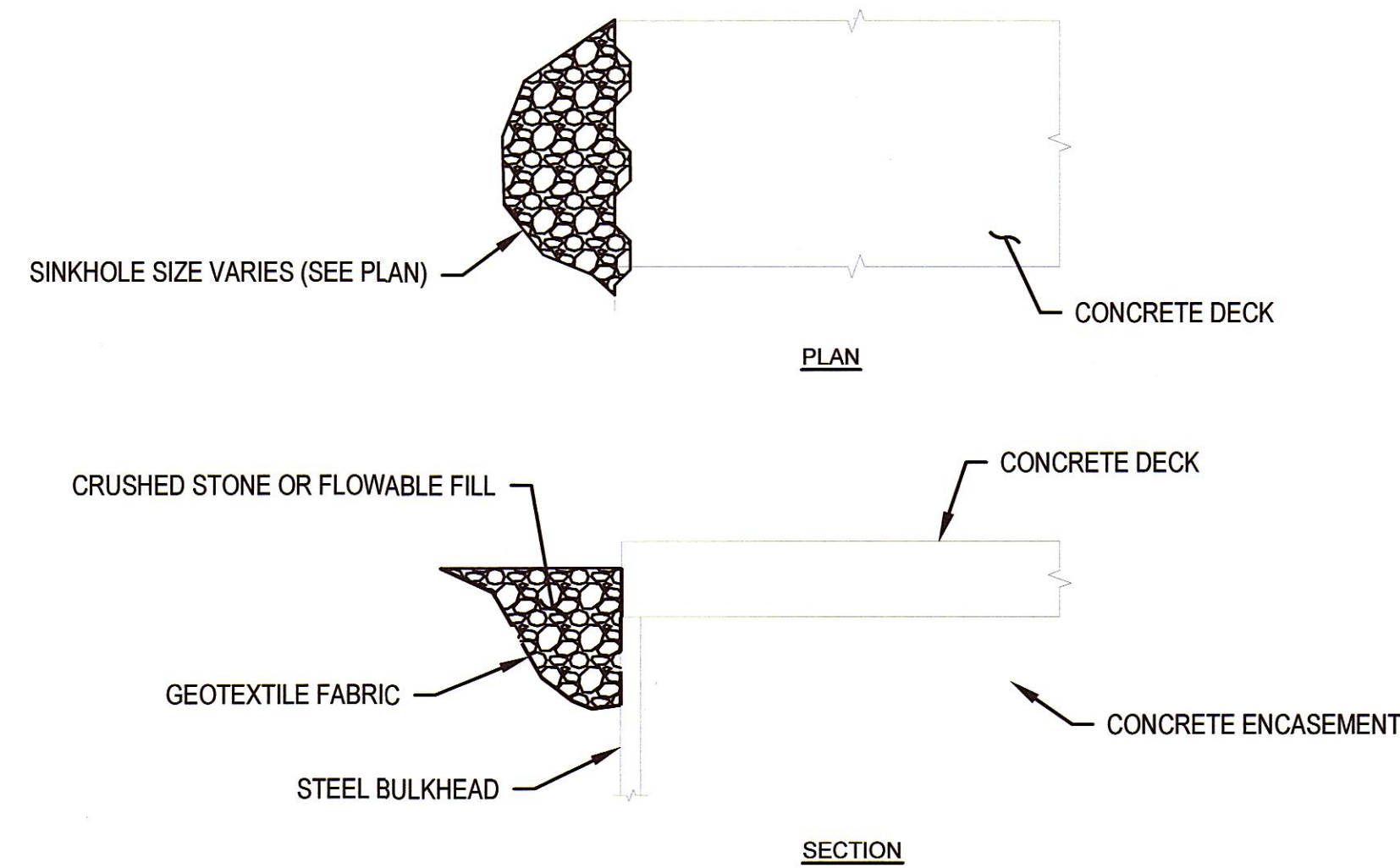
SITE PLAN

SCALE: 1" = 40'-0"

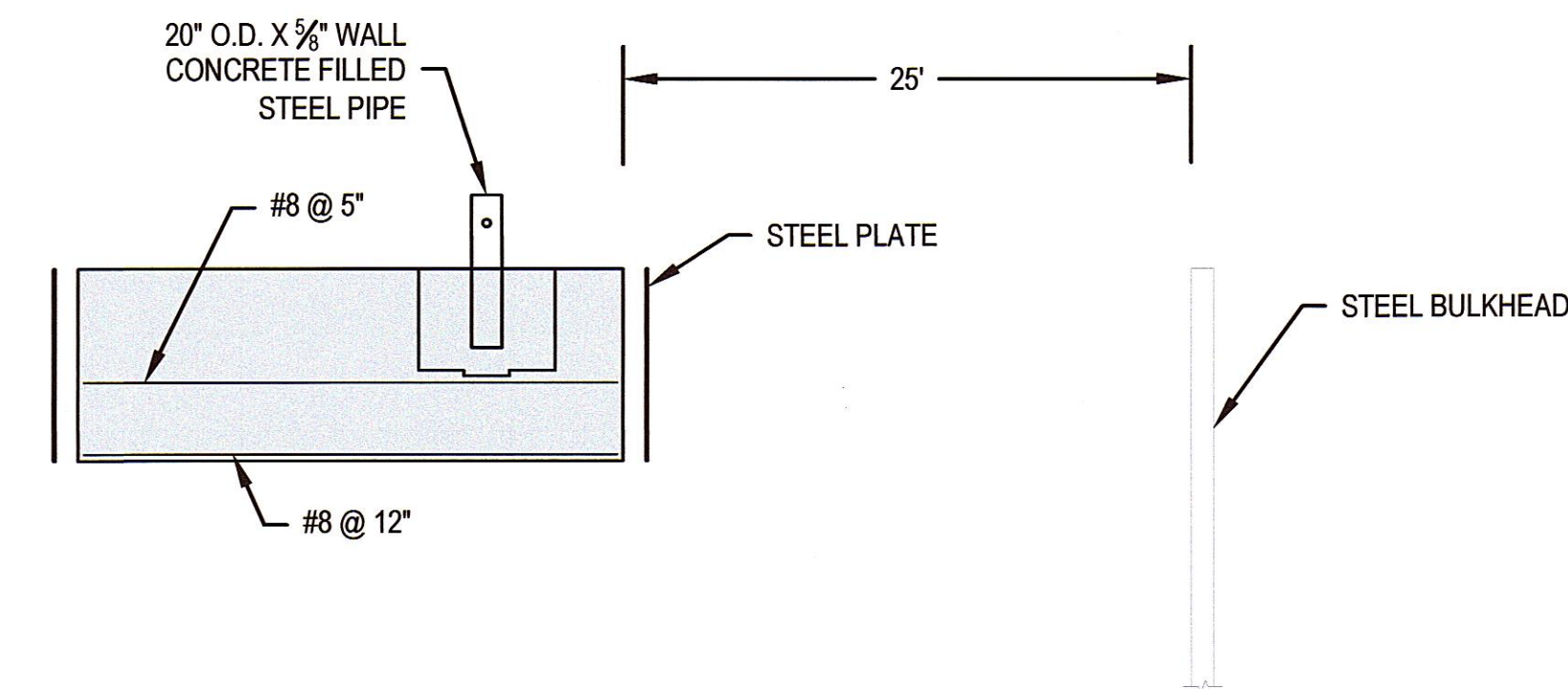




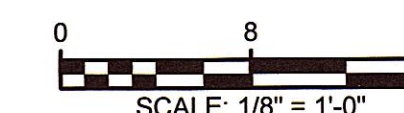
B
C-100
BOLLARD FILL
SCALE: N.T.S



C
C-100
BULKHEAD FILL
SCALE: N.T.S



D
C-100
NEW BOLLARD
SCALE: 1/8"=1'-0"



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

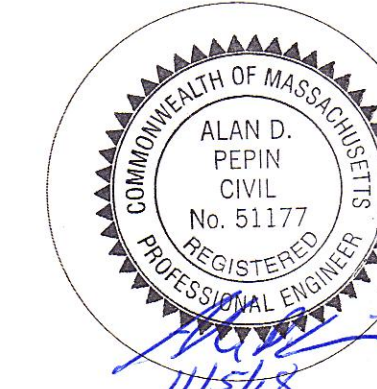
PROJECT LOCATION:
NORTH JETTY
SOUTH BOSTON, MASSACHUSETTS

MPA CONTRACT NO.:
M545-C1

LOCATION CODE:
4310

PROJECT SUBMISSION PHASE:

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:



CONSULTANT:

PROJECT NUMBER AND TITLE:

MXXX-CX
NORTH JETTY

SHEET TITLE:

PROPOSED BOLLARDS AND
SITE REPAIRS - DETAILS
DRAWING PHASE (NEW)

DISCIPLINE:

CIVIL

DRAWN BY:	CHECKED BY:	APPROVED BY:
JSF/ASC	ADP	ADP

SCALE:	DATE:
AS NOTED	NOVEMBER 2018

SHEET NUMBER:

C-101



Photo 1: Installation of new bollards



Photo 2: Area graded with crushed stone



Photo 3: Stabilization of existing bollards

National Flood Hazard Layer FIRMette



42°21'1.12"N



Legend

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

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

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

OTHER AREAS	Area of Minimal Flood Hazard Zone X
	NO SCREEN
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

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

MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/1/2018 at 4:41:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Work Completed at North Jetty, South Boston To Accommodate Docking of Vessel

Background

During the week of October 1, 2018, Massport was contacted by the Governor's Office of the Commonwealth of Massachusetts to discuss the possibility of berthing a cruise ship at the North Jetty pier, located at the Massport Marine Terminal in South Boston, to relieve the pressure on available housing in the Merrimac Valley area related to the recent gas line disaster. Over 1,000 gas line workers from outside the area were being engaged to repair the gas line infrastructure, and available living space for the workers (including hotels) was in short supply, as displaced residents also required such living space. The location of the North Jetty site is shown on the attached Location Plan.

To assist in the problem, a team of individuals within agencies at the local, state and federal levels, as well as individuals within the private sector, reviewed possible locations for a cruise vessel that could be docked for up to 60 days, which would house the emergency gas line workers. A number of potential sites were evaluated including various sites in the Port of Boston, at other Ports in the Commonwealth, and sites in New Hampshire. By October 5, 2018, the team had completed its evaluation of alternatives for berthing the vessel. Due to the size of the vessel and its berthing needs, security issues, access in and out for more than 1,000 workers and the critical timing, the North Jetty pier was determined to be the only feasible option. The team from the Commonwealth coordinating the project indicated that the vessel needed to be docked at the pier by October 12, 2018.

While the various berthing sites were being evaluated, Massport conducted an inspection of the North Jetty during the week of October 1st, and quickly realized that the condition of the North Jetty was poor, and that a number of repairs were required to be completed in order to safely berth the vessel. In particular, the deficiencies included:

- Bollards that had exceeded their useful life;
- Long-term erosion that threatened other existing bollards; and
- Sinkholes that presented safety hazards.

In order to meet the October 12th deadline, Massport was asked to make the repairs immediately so the vessel could safely dock.

Work Performed at the North Jetty

In order to restore the condition of the pier in as short a time as possible, Massport had to conduct work on extremely short notice. The work that was performed on October 5th and October 6th included the following:

Work Completed at North Jetty, South Boston To Accommodate Docking of Vessel

- Massport installed two new 100-ton bollards to service the stern lines of the vessel, as the existing bollards on the stern side of the vessel were past their useful life. The location of the new bollards is shown on the Sheet C-100 and the detail of the bollards is shown on Sheet C-101. While construction of replacement bollards could begin immediately, the concrete supporting the bollards would take one to two weeks to cure before it could be fully utilized. As a result, the bollards had to be installed that day to minimize the wait time. Two new excavations on the land-side of the existing bollards were created, rebar was installed into the holes, two new pipe bollards were set and concrete to support the bollards was poured. All of this work was accomplished within a 24-hour period. (see Photo 1)
- There were several sinkholes along the shoreline side of the North Jetty pier that posed a safety hazard for line handlers as they tied up the vessel. The sinkholes were caused by fill material washing through the bulkhead due to wave action. To prevent future washouts, these sinkholes were lined with filter fabric and filled with crushed stone. (see Photo 2)
- The bollards for the bow lines of the vessel had been undermined by long-term erosion, also caused by washout of fill material through the bulkhead. To stabilize these bollards, jersey-type barriers were installed inland of the shoreline, the resulting enclosure was lined with filter fabric, and filled with crushed stone as shown in the detail on Sheet C-101. (see Photo 3)

With Massport's making available the North Jetty pier, and the rapid response to make the site safe for docking a vessel, the Grand Celebration cruise ship docked on October 12, 2018 and is now housing 1000+ emergency gas line workers. On October 23, 2018, the Boston Conservation Commission issued an Enforcement Order to Massport, requiring that this Notice of Intent be filed.

Description of Resource Areas and Mitigation Measures

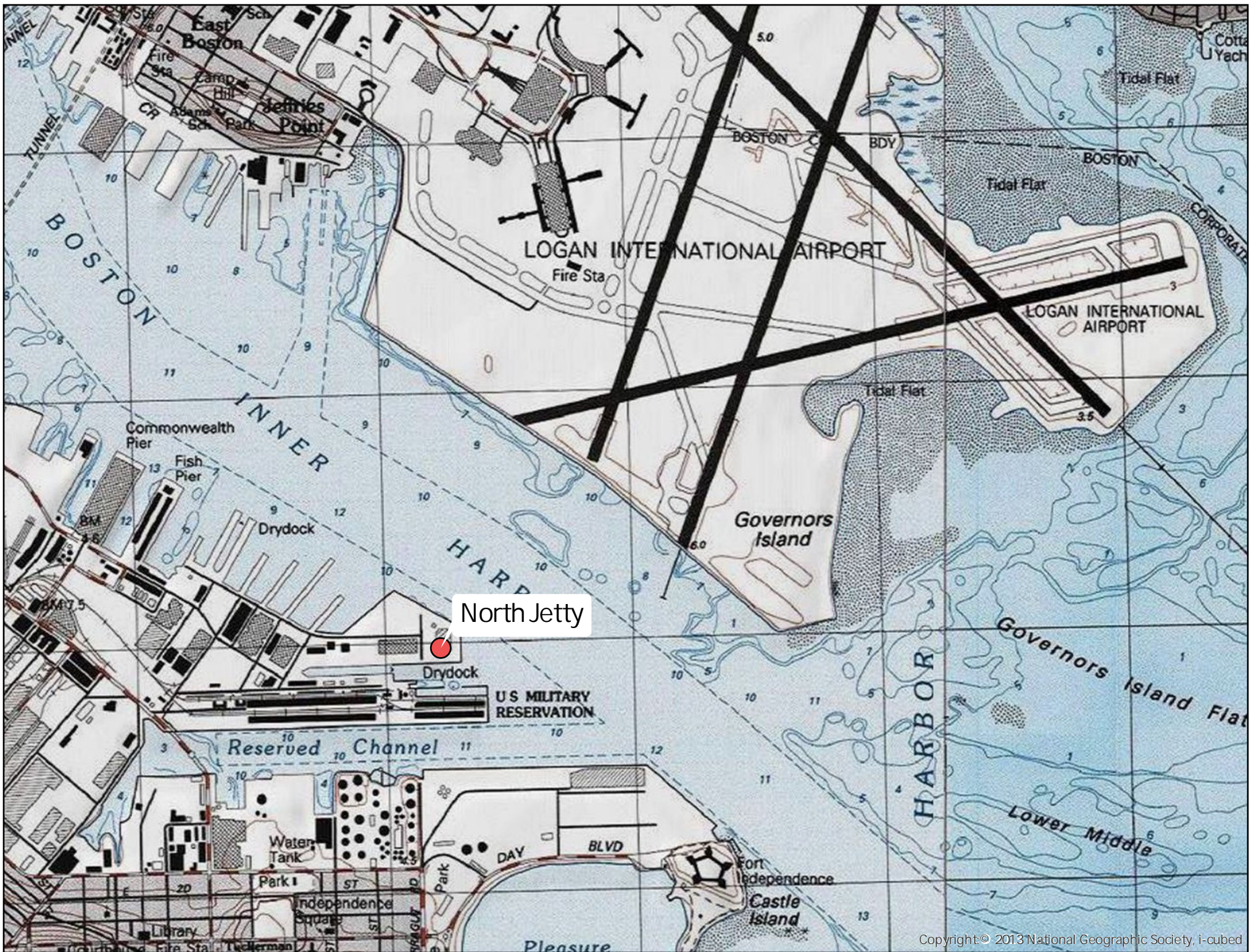
The work described above was conducted within the 100-foot Buffer Zone to the Coastal Bank and within Land Subject to Coast Storm Flowage. This area was previously developed, but it was necessary to fill depressions with crushed stone and to install new bollards to ensure safe docking of the vessel.

The placement of crushed stone to bring the area to a level grade, and the installation of the concrete-supported bollards, was done in a manner which prevented migration of any material to the harbor. All of the work was overseen by Massport's consultant, GEI Consultants, Waterfront Division, and took place over a 24-hour period. **Prior to filling the sinkholes, filter fabric was**

**Work Completed at North Jetty, South Boston
To Accommodate Docking of Vessel**

placed in the excavation to prevent future washout of material through the bulkhead. The finish grade material is crushed stone which will prevent any surface erosion from occurring.

Given the nature of the work, which was limited to installing two bollards and filling of sinkholes, the Stormwater Standards do not apply.



North Jetty