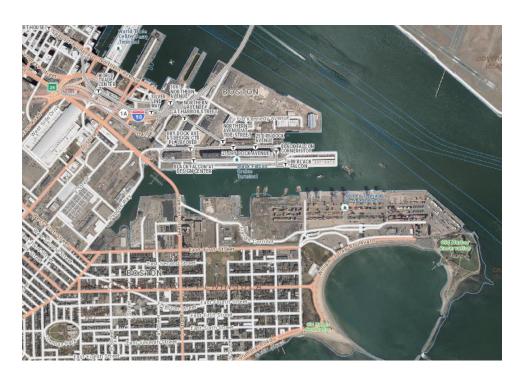
NOTICE OF INTENT APPLICATION

PIER ASPHALT AND DECK REPAIRS



88 Black Flacon Avenue Boston, MA

May 2021

Applicant:
Massachusetts Port Authority
One Harborside Drive
East Boston, MA, 02128

Prepared by:



15 Creek Road | Marion, Massachusetts 02738 t: 508.748.0937 | 800.668.3220 www.Foth.com

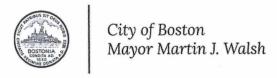




DEP Notice of Intent Application WPA Form 3



Applicant:



EXTENSION FORM

The undersigned hereby allows the **Boston Conservation Commission** an extension of time, beyond the statutory limit, to review an application or issue a final decision under the Massachusetts Wetlands Protection Act, M.G.L. Chapter 131, Section 40, and the Boston Wetlands Ordinance, Boston City Code, Ordinances, Chapter 7–1.4d during the state of emergency declared by the Governor on March 10, 2020.

Peter	DeBruin	Massachusett	ts Port Authority
a. First Name	b. Last Name	c. Company	
One Harborside Dr	ive		
d. Mailing Address			
Foot Pooton		MA	02128
East Boston e. City/Town		f. State	g. Zip Code
617-568-3583		PDeBruin@massport.	.com
h. Phone Number	i. Fax Number	j. Email address	
Peter Det	Zuin		5/19/21
Signature of Appli			Date
Property Owner (i	f different):		
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	
Signature of Prop	erty Owner (if different)		Date

Applications will only be accepted when submitted with a properly executed Extension Form.



WPA Form 3 - Notice of Intent

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

Provided by MassDEP:				
	MassDEP File Number			
	Document Transaction Number			
	Boston			

City/Town

Important:

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





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

88 Black Falcon Avenue	Boston	02210
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42deg 20'38" N	
Latitude and Longitude.	d. Latitude	e. Longitude
	0602674016	
f. Assessors Map/Plat Number	g. Parcel /Lot Numl	ber
Applicant:		
Peter		
a. First Name	b. Last Name	
Massachusetts Port Authority		
c. Organization		
One Harborside Drive		
d. Street Address East Boston	MA	02128
e. City/Town	f. State	 g. Zip Code
617-568-3583	PDeBruin@masspo	- · · · · · · · · · · · · · · · · · · ·
h. Phone Number i. Fax N		71.00111
	erent from applicant):	if more than one owner
c. Organization		ii more man one owner
a. First Name c. Organization d. Street Address		ii more man one owner
c. Organization d. Street Address		g. Zip Code
c. Organization d. Street Address e. City/Town	b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N	b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any):	b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if any): Susan	f. State umber j. Email address	
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any): Susan a. First Name Foth Infrastructure &Environme	f. State umber j. Email address Nilson b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any): Susan a. First Name Foth Infrastructure &Environme c. Company	f. State umber j. Email address Nilson b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if any): Susan a. First Name Foth Infrastructure &Environme c. Company 15 Creek Road	f. State umber j. Email address Nilson b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address	f. State umber j. Email address Nilson b. Last Name ental, LLC	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address Marion	f. State umber j. Email address Nilson b. Last Name ental, LLC	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address Marion e.	f. State umber j. Email address Nilson b. Last Name ental, LLC MA f. State	g. Zip Code 02738
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address Marion e. 508-762-0764	f. State umber j. Email address Nilson b. Last Name ental, LLC MA f. State Susan.Nilson@foth	g. Zip Code 02738
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address Marion e. 508-762-0764 h. Phone Number i. Fax N	f. State mumber f. State j. Email address Nilson b. Last Name ental, LLC MA f. State Susan.Nilson@foth j. Email address	g. Zip Code 02738
c. Organization d. Street Address e. City/Town h. Phone Number i. Fax N Representative (if any): Susan a. First Name Foth Infrastructure & Environme c. Company 15 Creek Road d. Street Address Marion e. 508-762-0764 h. Phone Number i. Fax N	f. State umber j. Email address Nilson b. Last Name ental, LLC MA f. State Susan.Nilson@foth	g. Zip Code 02738



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rovided by MassDEP:		
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Α.	A. General Information (continued)					
6.	General Project Description:					
	The proposed project consists of pier asphalt and deck re Avenue.	The proposed project consists of pier asphalt and deck repairs at the east end of the 88 Black Falcon				
7a.	7a. Project Type Checklist: (Limited Project Types see Section	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.	Restoration Limited Project) subject to 310 CMR 10.24 (c	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)				
	10.24(7)(C) Maintenance and improvement of existing pul 2. Limited Project Type	10.24(7)(C) Maintenance and improvement of existing public roadways				
	If the proposed activity is eligible to be treated as an Ecolo CMR10.24(8), 310 CMR 10.53(4)), complete and attach A Project Checklist and Signed Certification.					
8.	8. Property recorded at the Registry of Deeds for:	Property recorded at the Registry of Deeds for:				
	Suffolk	Suffolk				
		tificate # (if registered land)				
		63 d. Page Number				
B.	B. Buffer Zone & Resource Area Impacts					
1.	 Buffer Zone Only – Check if the project is located only 	/ in the Buffer Zone of a Bordering				
2.	Vegetated Wetland, Inland Bank, or Coastal Resource Area.					
	Check all that apply below. Attach narrative and any supp project will meet all performance standards for each of the					

standards requiring consideration of alternative project design or location.



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

Massachusetts Department of Environmental ProtectionBureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

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F	Boston			
(City/Town			

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

Resource Area		Size of Proposed Alteration	Proposed Replacement (if any)		
a. 🗌	Bank	1. linear feet	2. linear feet		
b. Bordering Vegetated Wetland		1. square feet	2. square feet		
c. 🗌	Land Under Waterbodies and Waterways	1. square feet	2. square feet		
		3. cubic yards dredged			
Resource	ce Area	Size of Proposed Alteration	Proposed Replacement (if any)		
d. 🗌	Bordering Land	A aminor foot	0		
	Subject to Flooding	1. square feet	2. square feet		
		3. cubic feet of flood storage lost	4. cubic feet replaced		
e	Isolated Land Subject to Flooding	1. square feet			
		2. cubic feet of flood storage lost	3. cubic feet replaced		
f. 🗌	Riverfront Area	1. Name of Waterway (if available) - spec	ify coastal or inland		
2. Width of Riverfront Area (check one):					
	25 ft Designated Densely Developed Areas only				
	☐ 100 ft New agricultural projects only				
	200 ft All other projects				
3. Total area of Riverfront Area on the site of the proposed project:					
4. Proposed alteration of the Riverfront Area:					
a. total square feet		b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.		
5. Has an alternatives analysis been done and is it attached to this NOI?					
6. V	6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No				
Coastal Pesource Areas: (See 310 CMP 10 25 10 35)					

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

Note: for coastal riverfront areas, please complete Section B.2.f. above.



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rovided by MassDEP:			
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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

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

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

4.

5.

Resource Area		Size of Proposed Alterati	on Proposed Replacement (if any)	
а. 🛚	Designated Port Areas	Indicate size under Land	d Under the Ocean, below	
b. 🗌	Land Under the Ocean	1. square feet		
		2. cubic yards dredged		
с. 🗌	Barrier Beach	Indicate size under Coas	tal Beaches and/or Coastal Dunes below	
d. 🗌	Coastal Beaches	1. square feet	2. cubic yards beach nourishment	
е. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment	
		Size of Proposed Alterati	on Proposed Replacement (if any)	
f. 🗌	Coastal Banks	1. linear feet		
g. 🗌	Rocky Intertidal Shores	1. square feet		
h. 🗌	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation	
i. 🗌	Land Under Salt Ponds	1. square feet		
		2. cubic yards dredged		
j. 🗌	Land Containing Shellfish	1. square feet		
k. 🗌	Fish Runs		tal Banks, inland Bank, Land Under the nd Under Waterbodies and Waterways,	
I. \(\sum \) Land Subject to \(\frac{944 +/-}{1. \text{ square fee}} \)		1. cubic yards dredged 944 +/- 1. square feet		
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	e feet of Salt Marsh	
☐ Project Involves Stream Crossings				
a. numb	per of new stream crossings	b. numbe	er of replacement stream crossings	



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				City/Town
C.	Othe	r Applica	ıble Standards an	d Requirements
	compl			ration Limited Project. Skip Section C and tion Limited Project Checklists – Required Actions
Str	eamlir	ned Massac	husetts Endangered S	pecies Act/Wetlands Protection Act Review
1.	the mo Natura <i>Massa</i>	est recent Esti I Heritage and Chusetts Natu	mated Habitat Map of Stat	
	a. 🗌 🔪	∕es ⊠ No	If yes, include proof	of mailing or hand delivery of NOI to:
	b. Date o	of map	Natural Heritage a Division of Fisheri 1 Rabbit Hill Road Westborough, MA	
	CMR 1 complete complete by con	0.18). To qua ete Section C. ete Section C. ete Section Section	lify for a streamlined, 30-on 1.c, and include requested 2.f, if applicable. <i>If MESA</i> on 1 of this form, the NHE	setts Endangered Species Act (MESA) review (321 day, MESA/Wetlands Protection Act review, please d materials with this Notice of Intent (NOI); OR supplemental information is not included with the NOI, SP will require a separate MESA filing which may take ons in Section 2 apply, see below).
	c. Sub	mit Suppleme	ntal Information for Endar	ngered Species Review*
	1.	☐ Percenta	age/acreage of property to	be altered:
		(a) within we	tland Resource Area	percentage/acreage
		(b) outside R	Resource Area	percentage/acreage
	2.	☐ Assesso	or's Map or right-of-way pla	an of site
2.				ng wetland resource areas and areas outside of posed conditions, existing and proposed

Project description (including description of impacts outside of wetland resource area &

tree/vegetation clearing line, and clearly demarcated limits of work **

Photographs representative of the site

(a) 🛛

buffer zone)

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^{*} Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see https://www.mass.gov/maendangered-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.



3.

Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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MassDEP File Number		
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DOSION		
City/Town		

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

Make	(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 <i>mail to NHESP</i> at above address		
Project	s altering 10 or more acres of land, also subr	mit:	
(d)	Vegetation cover type map of site		
(e)	Project plans showing Priority & Estima	ted Habitat boundaries	
(f) Of	R 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.			
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 Division of Marine Fisheries - North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: 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	c. 🗌 Is this an aquaculture project? d. 🗌 Yes 🗵 No		
If yes, inclu	If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).		

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	City/Town	

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

4		le any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)2
	4.	Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
Online Users: Include your document		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.
transaction number		b. ACEC
(provided on your receipt page) with all	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?
supplementary information you		a. 🗌 Yes 🛛 No
submit to the Department.	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. Substituting 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.)

Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative

to the boundaries of each affected resource area.

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2.



WPA Form 3 – Notice of Intent

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Provided by MassDEP:			
	MassDEP File Number		
	Document Transaction Number		
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	D.	Additional Information	(cont'd))
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Auu	itional information (contu)				
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.				
	ans Prepared for Massachusetts Port Autho	rity, Black Falcon Cruise Terminal			
Fo ^o b. F 5/1	Plan Title th Infrastructure & Environment, LLC Prepared By 12/21 Final Revision Date	John DeRugeris, PE c. Signed and Stamped by Set on Plans e. Scale			
f. A	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 distri	ict		
	of the Commonwealth, federally recognized Indian tribe housing authority, municipal hous			
	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:

11968	5/18/21
2. Municipal Check Number	3. Check date
11967	5/18/21
4. State Check Number	5. Check date
Susan (Foth Infrastructure & ENvironment, LLC)	Nilson
6. Payor name on check: First Name	7. Payor name on check: Last Name



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ore	ovided by MassDEP:
	MassDEP File Number
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	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.

Petu DeBruin	5/14/21
1. Signature of Applicant	2. Date
3. Signature of Property Owner (if different) 5. Signature of Representative (if any)	4. Date 5/18/2021 6. Date

For Conservation Commission:

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

For MassDEP:

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

Other:

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

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



Table of Attachments

Attachment A Project Narrative and Alternatives

Attachment B USGS Map

Attachment C Photographic Documentation

Attachment D Project Plan Set

Attachment E FEMA FIRMettes

Attachment F South Boston Designated Port Area Map

Attachment G Abutter Documentation

Attachment H Notice of Intent Fee Documentation



Attachment A

Project Narrative and Alternatives



Project Narrative, Alternatives, and Performance Standards Pier Asphalt and Deck Repairs

May 2021



Site Overview (Image Source: Google Earth)

Introduction

The proposed project is located at 88 Black Falcon Avenue, Boston, MA (subject property) along the Inner Boston Harbor. The pier is an industrial and commercial site adjacent to the Black Falcon Cruise Terminal. The subject property is located at the east end of the pier which services a range of vessels of varying lengths including cruise ships. The property (Assessors Map Parcel Number 0602674015) is owned by Massachusetts Port Authority (Massport, Applicant). Massport is seeking a permit to replace the damaged asphalt pavement, minor deck repairs, and replace necessary drainage structures along the pier deck. The existing structure has been a commercial and industrial pier and the area to be repaired is travelled by varying types of vehicles. A USGS location map is provided in Attachment B.

Existing Conditions

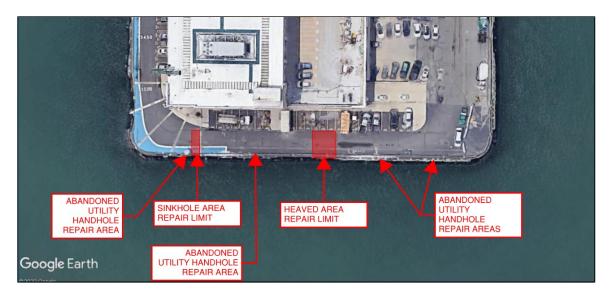
The deterioration of the asphalt has occurred over time due to wear and tear that occurs with pavement in the northeast climate. Based on a previous investigation the damage appears to be surface damage and not to the underlying concrete base. The damaged sections of pavement include areas that have heaved asphalt paving and sink holes. The sum of these areas total to approximately 944 square feet with potential for larger repair areas identified following asphalt removal. Photographs of the existing conditions can be found in Attachment C.

Project Goals

The purpose of the proposed project is to repair the pavement, replace a drainage structure located within the heaved asphalt, replace the expansion joints within the pavement repair locations and replace utility access hand-holes at the subject property and allow safe use of the pier roadway.



Proposed Project



The proposed project includes sections along the pier roadway east of the 88 Black Flacon building. This includes four locations for repairs to utility hand holes, a repair to a sink hole, and drainage manhole repair at the location of heaved pavement to be repaired. Each hand hole repair is 5 square feet for 20 square feet total replacement area of hand holes. The sink hole repair will encompass 140 square feet (5' by 28') of roadway, and the drainage manhole repair with the asphalt repair will impact 784 square feet (28' by 28') of the roadway. Total impact to the paved area is 944 square feet.

The utility hand-hole repair includes repairing or replacing the existing utility hand-holes as necessary and replacing the existing brick and mortar with more durable material.

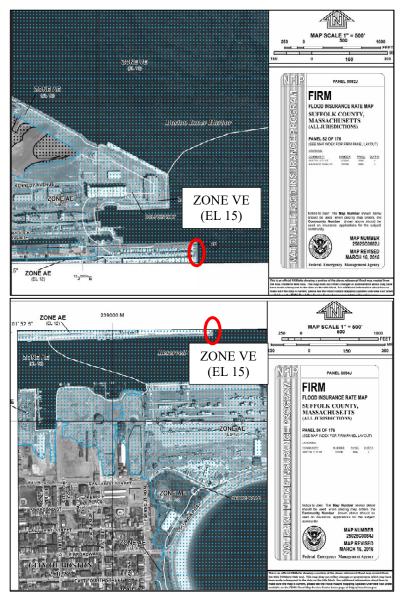
The sink hole located near parking space #193 is an approximately 6" diameter sink hole to be repaired which includes square cutting and removal of an area 5" by 28" and includes removal of asphalt pavement and paver blocks.

Within the pavement repair locations there will be expansion joint replacement as seen in the plans (Attachment D). In all locations of the repair work the existing timber curb shall be removed during construction, stored, and reinstalled in the same location at the completion of the repair work.



FEMA

The proposed project is located in a FEMA Velocity Flood Zone with a Base Flood Elevation (BFE) of 15 feet NAVD88. The FEMA FIRMette images highlighting the project location are shown below, the full FIRMettes can be found in Attachment E.



The subject property is located along the Reserved Channel in the Boston Inner Harbor. This area is designated as prohibited for shellfishing, see graphic below. The area does not have any suitability designated in the Massachusetts Online GIS database (OLIVER).





Shellfish Prohibited Growing Areas with No Suitability along Subject Property (OLIVER)

The subject property and surrounding has no designated areas of Priority or Estimated habitat for rare, threatened or endangered wildlife species. The project is not located within an Area of Environmental Concern (ACEC).

Alternatives

The following are alternatives to the proposed project that were reviewed in accordance with the project goals and potential wetland resource area impact.

Alternative 1 – No-Action

Alternative 1 is the no-action alternative. This alternative leaves the subject property in its existing state with no repairs or improvements. The existing conditions include a sink hole, heaved pavement, deteriorating utility hand-holes and manhole. This is not environmentally safe or safe for public travel, therefore this alternative was not considered viable.

Alternative 2 – Replacement of East End Pavement and Expansion Joints

Alternative 2 is to replace the entire section of pavement along the end of the terminal pier. This would include removing and replacing approximately 345 linear feet of roadway by 28 foot width, or approximately 9,660 square feet of asphalt removal and replacement. Due to limited areas of damage this is not considered necessary at this time and therefore is not the preferred alternative.

Alternative 3 – Pavement Repair Sections

Alternative 3 is to square saw cut specified areas in a location of a sink hole and another area of heaved pavement and damaged manhole. This alternative includes replacing two expansion joints within the paved areas that are proposed to be repaired. The total impact



area of pavement includes 924 square feet and an additional impact of approximately 20 square feet for replacement of utility hand-holes.

Alternative 3 is the preferred alternative as it will have minimal impact to the area and it will accomplish the project goals and provide safer travel for vehicles.

Construction

Access and Staging

The proposed work can be accessed by the public roadways and the terminal roadway. All work access and staging shall be completed within existing roadway and parking spaces.

Construction Methodology

Site visits to determine repairs necessary did not go beyond surface observations therefore the construction will start with stripping asphalt layer in repair areas to determine if additional repairs are necessary to the concrete below the asphalt. Vehicular and pedestrian traffic will need to be re-routed when the asphalt pavement is removed. Foth with work with Massport to develop an acceptable plan with input from the 88 Black Falcon tenant. Foth will observe the concrete deck below the asphalt surfacing to determine any necessary concrete repairs. The following are the possible types of concrete repair:

- <u>Type 1 Repairs:</u> Upon evaluation of the deck condition, if there is a shallow amount of deterioration observed along the concrete deck surface (< 2-inch), then no repair will be required. Areas will be cleaned with any loose concrete removed and new asphalt pavement will be placed on top the existing concrete surface.
- <u>Type 2 Repairs:</u> For areas where 2-inch to 4-inch in depth of deterioration is present, area(s) will be cleaned and prepared for the repair consisting of grout placement.
- <u>Type 3 Repairs:</u> For areas where > 4-inches in depth of deterioration is present. After review of concrete core photographs and laboratory test results, Foth does not anticipate that any Type 3 repairs will be required.

Concrete will be repaired, followed by the repairs or replacement of the manhole, and expansion joints. The concrete pavers will be replaced prior to asphalt paving, as well as the repairs to the utility hand-holes.

Once all of the repairs have been made, the Contractor will then repave all disturbed areas. All repaved areas will receive a waterproofing deck sealer, to be applied to the top of the concrete surface prior to repaving. Upon completion of the pavement installation, the asphalt will be repainted to match previous painting.



The proposed work will require a pneumatic hammer to break up the existing pavement, pressure washer, and small paving equipment for patch repair. Other equipment may include dump trucks for materials and crew trucks.

Coastal Resource Areas

The proposed project is located on a pier that was constructed for a Military Reservation in the early 1900's on what was referred to as the Commonwealth Flats. The pier is not a solid structure but is a cantilevered deck, supported by an inland pile supported gravity structure. The gravity structure is narrow at the top (where it supports the cantilevered deck) and then widens as it extends down to the seafloor where it is supported by piles. The width of the gravity structure at the sea floor is approximately equal to the width of the cantilevered deck above the water. The proposed work is within a designated port area and Land Subject to Coastal Storm Flowage. The work is all within an existing structure and is a limited project based on 310 CMR 10.24(7)(c).

The project site does not have a Coastal Bank delineated on the site as the area is a pier that was constructed on tidal flats and historic plans show the Coastal Bank located at the western end of Black Falcon Ave.

Massachusetts DEP Wetlands Protection Act Regulations, 310 CMR 10.00

- **310 CMR 10.24 (7)(c)** The following projects may be permitted as a limited project pursuant to 310 CMR 10.24(7) provided the project complies with all applicable provisions of 310 CMR 10.24(1) through (6) and (9) and (10):
- **1.** Maintenance and improvement of existing public roadways, but limited to widening less than a single lane, adding shoulders, correcting substandard intersections, and improving drainage systems.

The proposed work is within the existing roadway and does not widen the road. The work will repair heaved sections of roadway and fix the utility access points along the pier roadway. This is maintenance and improvement work and therefore is a limited project based on 310 CMR 10.24 (7)(c).

310 CMR 10.02 LAND SUBJECT TO COASTAL STORM FLOWAGE means land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater.

The entire pier is located within the Land Subject to Coastal Strom Flowage (LSCSF) with the FEMA flood zone extending landward of the pier. The work is within FEMA VE Flood Zone with BFE 15' NAVD88. There are no regulations or performance standards for LSCSF at this time. There are no new resource area impacts as the project includes repairs to the existing structure.

310 CMR 10.25 LAND UNDER THE OCEAN means land extending from the mean low water line seaward to the boundary of the municipality's jurisdiction and includes landunder estuaries.



Nearshore Areas of land under the ocean means that land extending from the mean low water line to the seaward limit of a municipality's jurisdiction, but in no case beyond the point where the land is 80 feet below the level of the ocean at mean low water. However, the nearshore area shall extend seaward only to that point where the land is 30 feet below the level of the ocean at mean low water for municipalities bordering Buzzard's Bay and Vineyard Sound (west of a line between West Chop, Martha's Vineyard and Nobska Point, Falmouth), 40 feet below the level of the ocean at mean low water for Provincetown's land in Cape Cod Bay, and 50 feet below the level of the ocean at mean low water for Truro's and Wellfleet's land in Cape Cod Bay.

When land under the ocean underlies an anadromous/catadromous fish run, 310 CMR 10.35(1) through (4) shall apply. When land under the ocean is in a designated port area, 310 CMR 10.26(1) through (4) shall apply. When land under the ocean is land containing shellfish, 310 CMR 10.34(1) through (7) shall apply.

WHEN LAND UNDER THE OCEAN OR NEARSHORE AREAS OF LAND UNDER THE OCEAN ARE FOUND TO BE SIGNIFICANT TO THE PROTECTION OF MARINE FISHERIES, PROTECTION OF WILDLIFE HABITAT, STORM DAMAGE PREVENTION OR FLOOD CONTROL, 310 CMR 10.25(3) THROUGH (7) SHALLAPPLY:

The proposed project abuts Land Under the Ocean (LUO) and is on an elevated pier therefore it does not directly impact the LUO. The work shall have no direct or indirect impact to LUO with proper construction methods to assure that no construction debris can flow off the pier to the LUO.

- (3) 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 (Zostera marina) or widgeon grass (Rupia maritina) 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 proposed project abuts LUO and it will not alter the water circulation, any vegetation or sediment grain size distribution. As previously stated there is no direct or indirect impact to the LUO from the proposed project.

(4) 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.



The project site does not have habitat of threatened or endangered species.

310 CMR 10.26 Designated of Port Areas_means those areas designated in 301 CMR 25.00: Designation of Port Areas.

The proposed project is within the South Boston Designated Port Area (DPA). Attachment F.

WHEN LAND UNDER THE OCEAN IN DESIGNATED PORT AREAS IS FOUND TO BE SIGNIFICANT TO THE PROTECTION OF MARINE FISHERIES, STORM DAMAGE PREVENTION OR FLOOD CONTROL, 310 CMR 10.26(3) AND (4) SHALLAPPLY:

- (3) Projects shall be designed and constructed, using best practical measures, so as to minimize adverse effects on marine fisheries caused by changes in:
 - (a) water circulation;
 - (b) 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.

The proposed project will not alter the water circulation. The proposed project has no direct or indirect impact to the water circulation or the water quality.

(4) Projects shall be designed and constructed, using the best practical measures, so as to minimize, adverse effects on storm damage prevention or flood control caused by changes in such land's ability to provide support for adjacent coastal banks or adjacent coastal engineering structures.

The proposed project does not change the existing structure within the DPA.

Mitigation and Sea Level Rise

There is no proposed mitigation at this time as the proposed project is all repair and replacement of existing structure and there is no new impact.

Summary

The proposed project will repair existing paved and deck areas and repairs to utility access hand-holes. The proposed project increases public safety and does not increase impact to wetland resource areas.



Attachment B

USGS Map

CONTOUR INTERVAL 10 FEET NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard

U.S. National Grid 100,000 • m Square ID



BOSTON SOUTH, MA 2021



Attachment C Photographic Documentation



Photographic Documentation



Below: Drainage Hole within Heaved Pavement Section





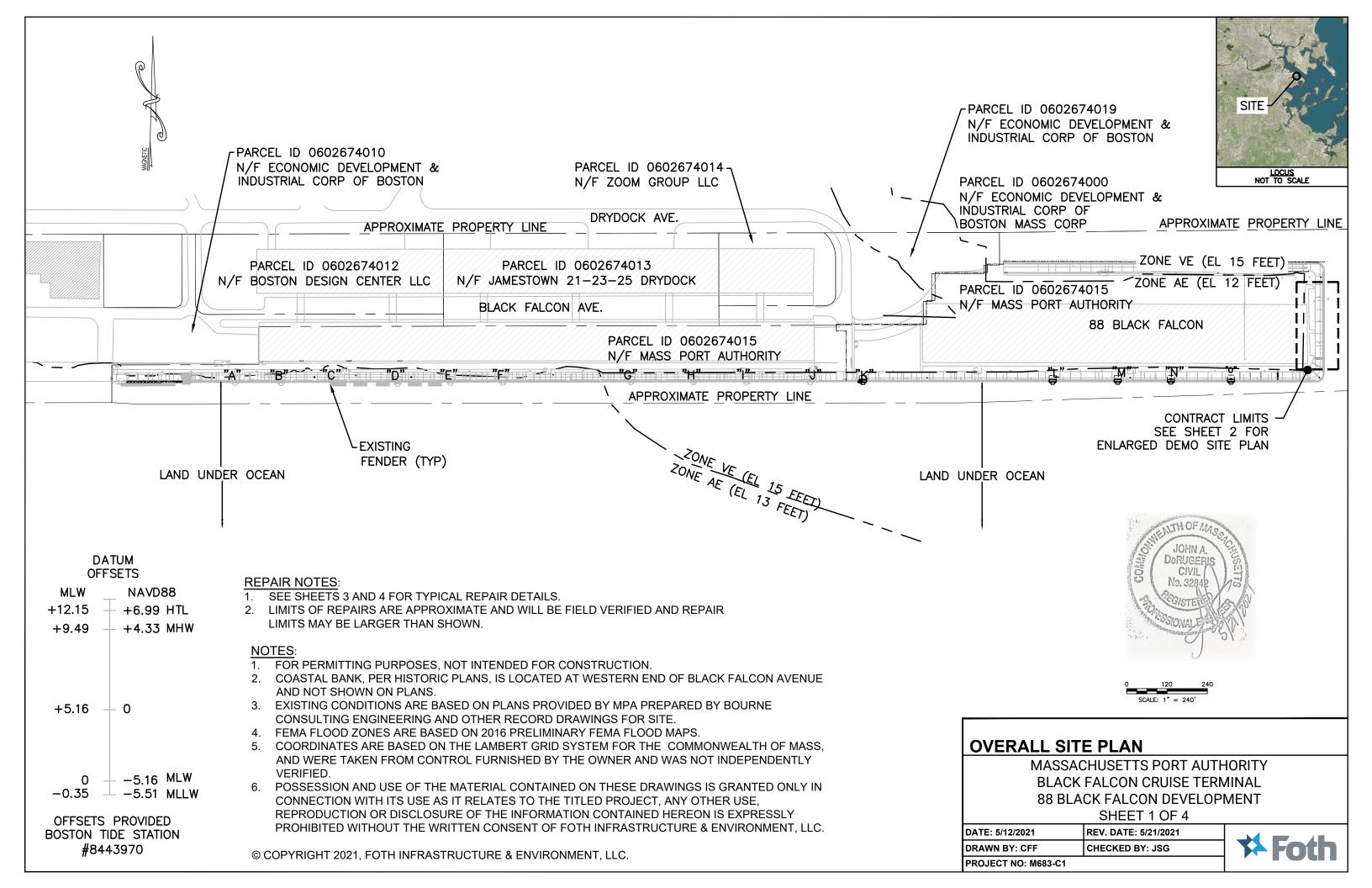


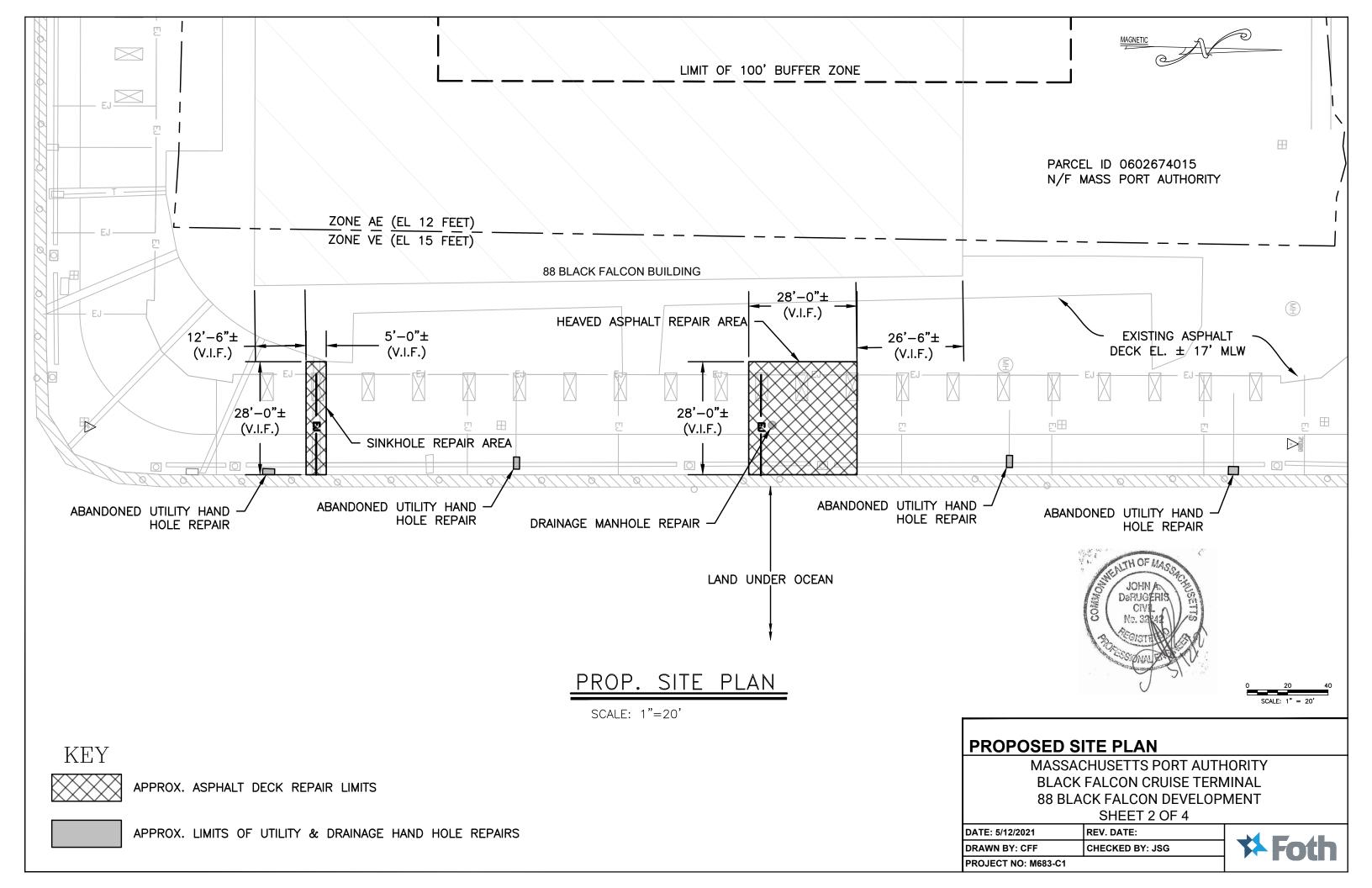
Above: Sinkhole Location Below: Existing Conditions of Utility Access Hand-Hole

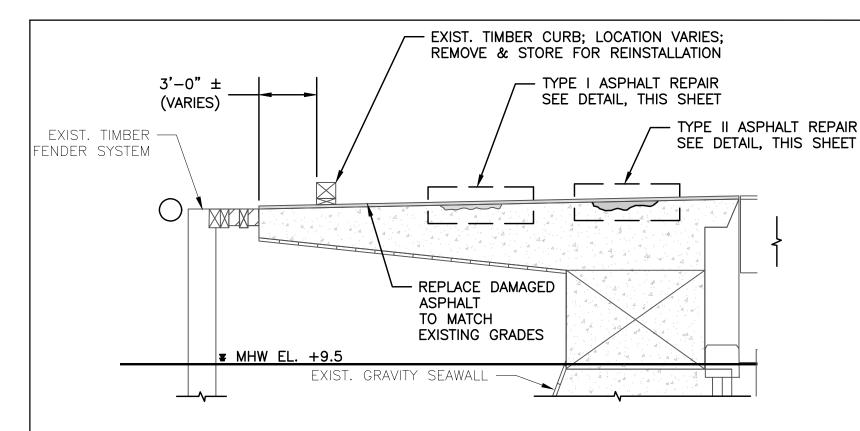




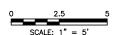
Attachment D
Project Plan Set

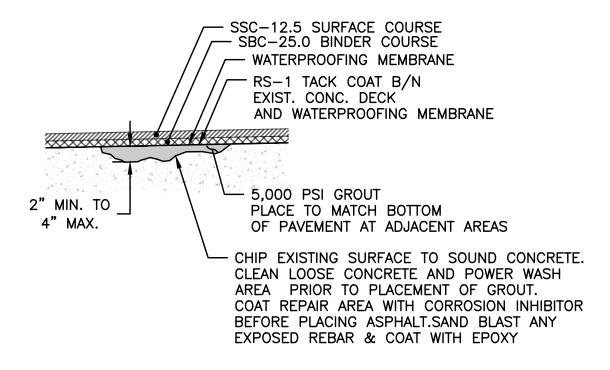






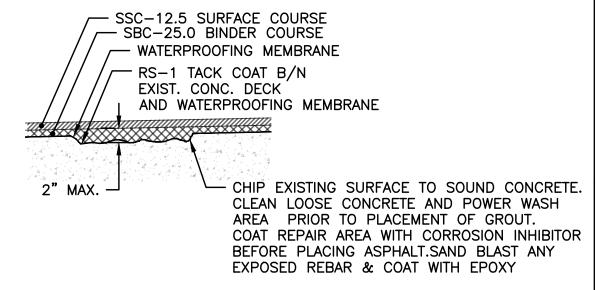
SECTION 1 - DECK REPAIR AREA SCALE 1" = 5'-0"





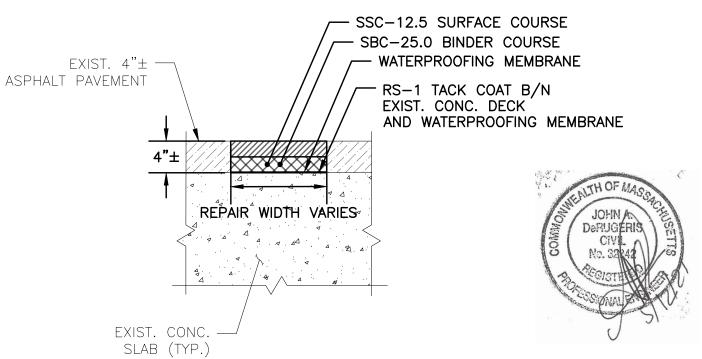
TYPE II ASPHALT REPAIR

SCALE 1" = 1'-0"



TYPE I ASPHALT REPAIR

SCALE 1" = 1'-0"



TYPICAL ASPHALT RE-PAVING DETAIL

SCALE 1" = 1'-0"



ASPHALT REPAIR DETAILS

MASSACHUSETTS PORT AUTHORITY BLACK FALCON CRUISE TERMINAL 88 BLACK FALCON DEVELOPMENT

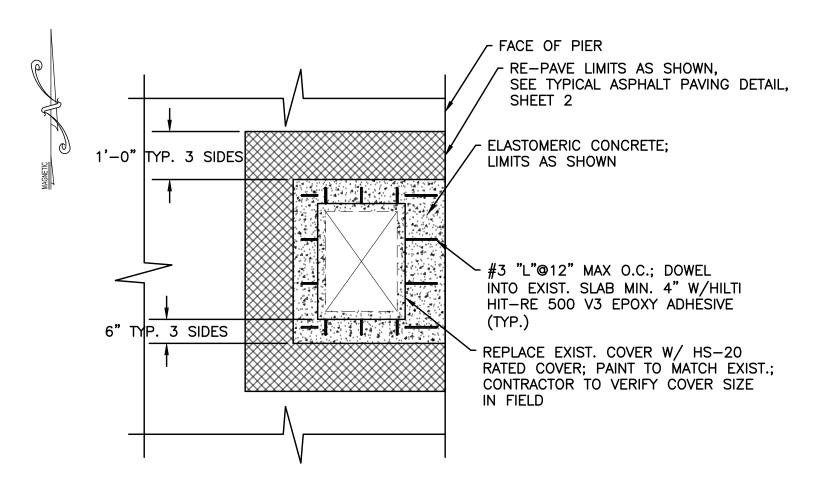
SHEET 3 OF 4

 DATE: 5/12/2021
 REV. DATE:

 DRAWN BY: CFF
 CHECKED BY: JSG

PROJECT NO: M683-C1



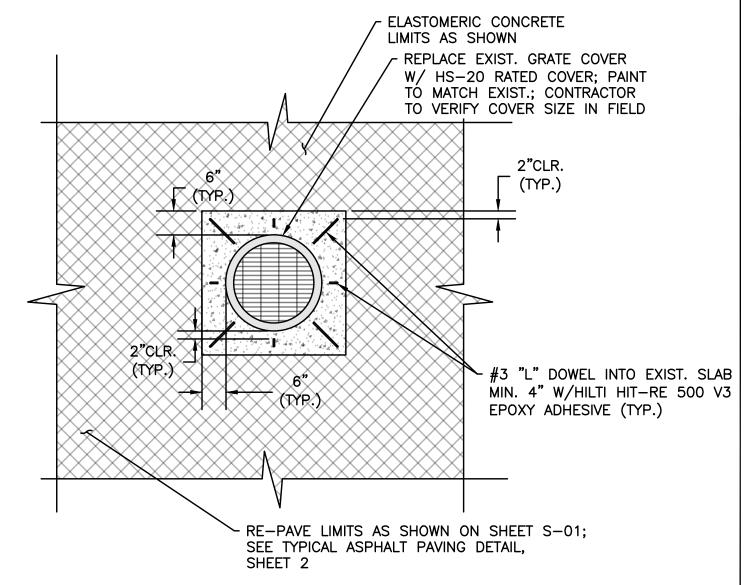


UTILITY ACCESS HANDHOLE REPAIR PLAN

SCALE 1" = 2'-0"

NOTES:

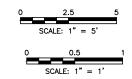
- 1. TIMBER CURB NOT SHOWN FOR CLARITY.
- 2. TIMBER FENDER SYSTEM NOT SHOWN FOR CLARITY.



DRAINAGE MANHOLE REPAIR PLAN

SCALE 1" = 2'-0"





MANHOLE/HANDHOLE REPAIR DETAILS

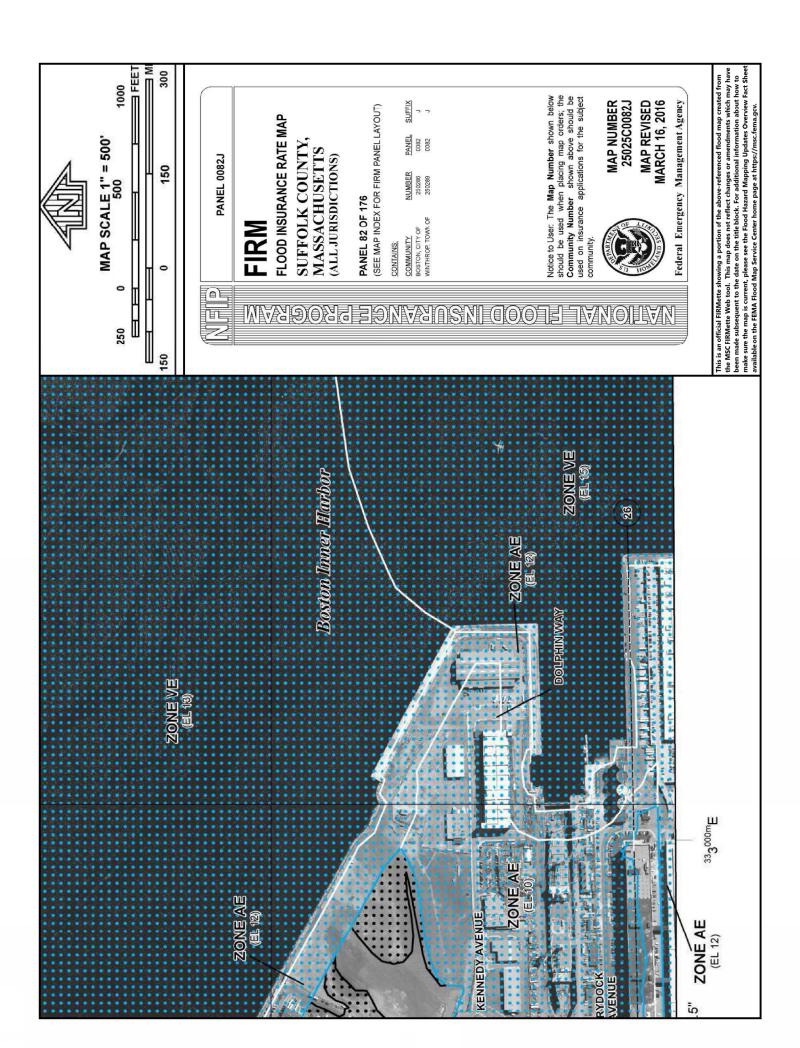
MASSACHUSETTS PORT AUTHORITY BLACK FALCON CRUISE TERMINAL 88 BLACK FALCON DEVELOPMENT SHEET 4 OF 4

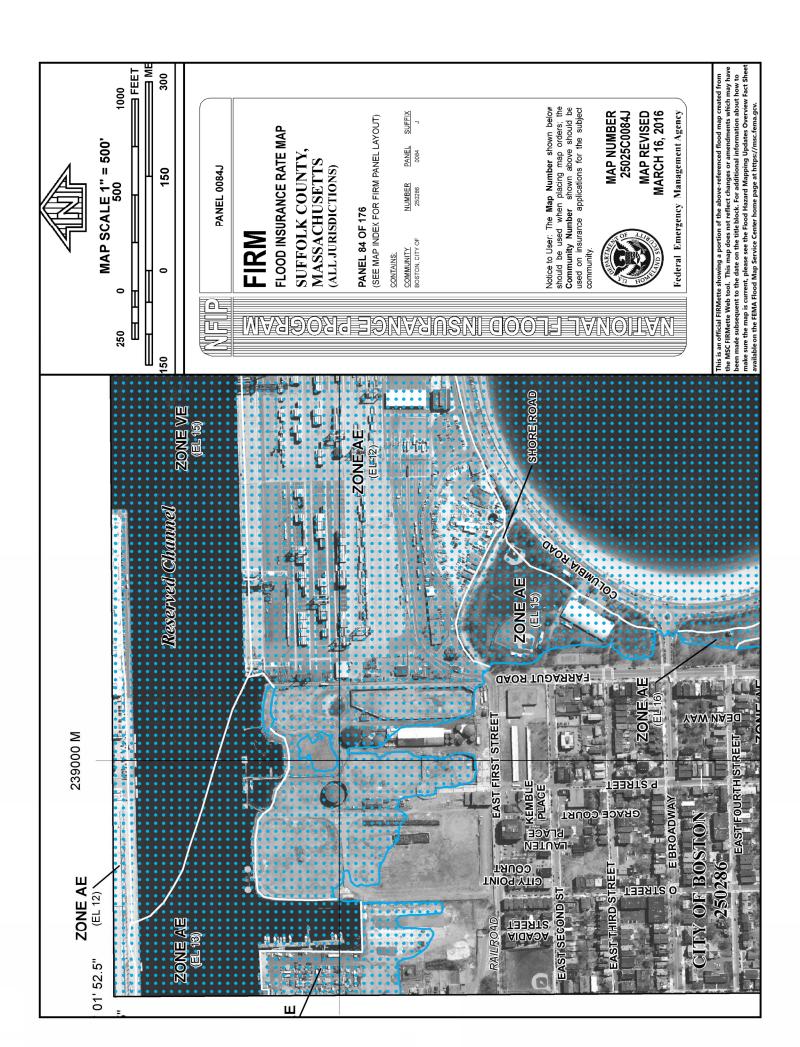
DATE: 5/12/2021	REV. DATE:
DRAWN BY: CFF	CHECKED BY: JSG
PROJECT NO: M683-C1	





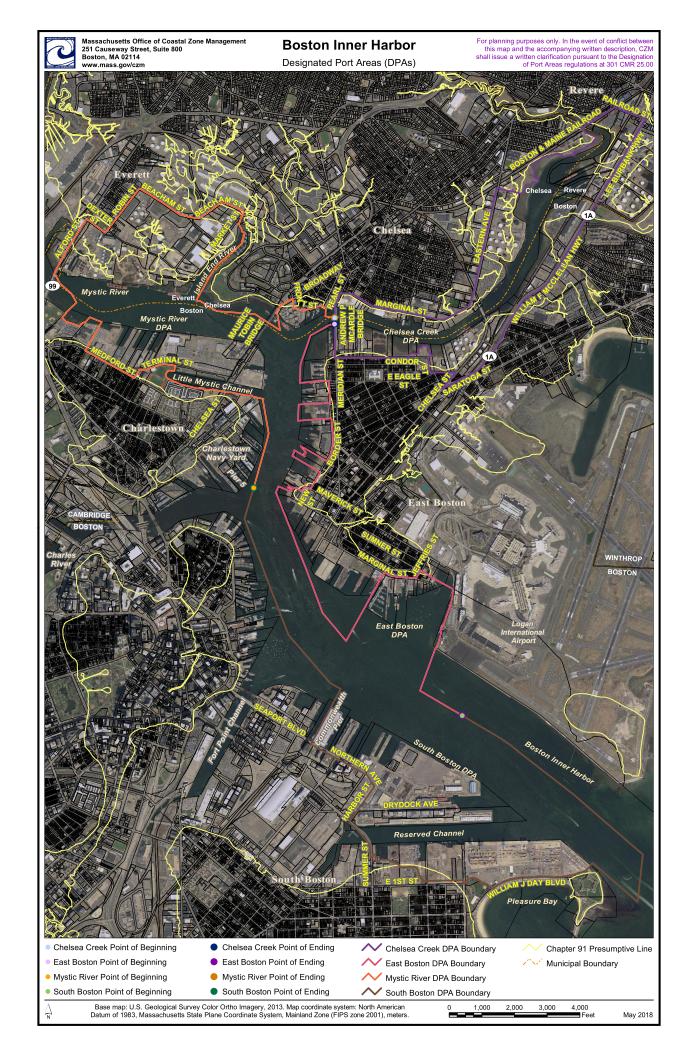
Attachment E FEMA FIRMettes







Attachment F South Boston Designated Port Area Map





Attachment G Abutter Documentation

Notification to Abutters Under the Massachusetts Wetlands Protection Act

The applicant has filed Notice of Intent with the Conservation Commission for the

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

The name of the applicant is Massachusetts Port Authority

A.

B.

	Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40).
	Project Description: The proposed project includes repairs to asphalt on the east end of the pier, and replacement of utility access hand-holes.
C.	The address of the lot where the activity is proposed is: 88 Black Falcon, Ave, Boston, MA.
D.	Copies of the Notice of Intent may be examined by emailing <u>The Boston Conservation Commission</u> between the hours of <u>9:00</u> AM and <u>5:00</u> PM on <u>Monday through Friday at CC@boston.gov</u> . For more information, call: (617)635-3850 Check One: This is the applicant, representative, or other <u>X</u> (specify); <u>Boston Conservation Commission</u> .
E.	Copies of the Notice of Intent may be obtained from <u>Foth Infrastructure & Environment</u> , <u>LLC</u> , the applicant's representative, by calling (<u>508</u>)762-0795 or emailing Catherine Ricks at <u>Catherine.Ricks@foth.com</u> between the hours of <u>8:00</u> AM and <u>5:00</u> PM on the following days of the week: <u>MonFri</u> .
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, time, and place of the public hearing may be obtained from Boston Conservation Commission by calling this telephone number (617) 635-3850 between the hours of 9:00 AM and 5:00 PM on Monday through Friday . Check One: This is the applicant, representative, or other _X_ (specify);Boston Conservation Commission.
Note:	Notice of the public hearing, including its date, time, and place, will be published at least

Note: Notice of the public hearing, including its date, time, and place, will be posted in the City

Note: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the

Western Region: 413-784-1100 Central Region: 508-792-7650 Southeast Region: 508-946-2700 Northeast Region: 617-654-6500

five (5) days in advance by the Boston Conservation Commission

or Town Hall not less than forty-eight (48) hours in advance.

Wetlands Protection Act. To contact DEP, call:

LOC_ZIPCODE 2210 2210 2210 N 2127 N 2127 N 2127 C 2210 2210 2210 2210 2210 2210
LOC_CITY BOSTON BOSTON BOSTON SOUTH BOSTON SOUTH BOSTON BOSTON SOUTH BOSTON
MLG_ZIPCODE LOC_ADDRESS 2210 1 DESIGN CENTER PL 10004 21-25 DRYDOCK AV 1023 27 DRYDOCK AV 2128 666 R SUMMER ST 2110 88 BLACK FALCON AV 2210 1 DESIGN CENTER PL 2201 36 DRYDOCK AV 2201 36 DRYDOCK AV 2201 36 DRYDOCK AV 2201 37 DRYDOCK AV 2201 37 DRYDOCK AV 2201 37 DRYDOCK AV 2201 38 DRYDOCK AV 2201 38 DRYDOCK AV 2201 37 DRYDOCK AV 2201 38 DRYDOCK AV 2201 10 TERMINAL ST 2201 12 DRYDOCK AV
MLG_CITYSTATE BOSTON MA NEW YORK NY NEW YORK NY EAST BOSTON MA
MIG_ADDRESS 21 DRYDOCK AV 3RD FL 3625 CUMBERLAND BL 1 OVERTON 60 COLOUMBUS CIRCLE 1 HARBORSIDE DR #200S 125 HIGH ST 21ST FL 1 DESIGN CENTER PL 1 CITY HALL PLZ (BRA) FLR 9 1 CITY HALL SQ 9TH FL
ADDRESSEE JAMESTOWN I DESIGN PLACE LP JAMESTOWN 21-23-25 DRYDOCK RREF II DRYDOCK MASS PORT AUTHORITY DIV BLACK FALCON ILC JAMESTOWN I DESIGN PLACE LP ECONOMIC DEVELOPMENT AND
PID OWNER 602674012 JAMESTOWN I DESIGN PLACE LP 602674013 JAMESTOWN 21-23-25 DRYDOCK 602674014 RREF II DRYDOCK 602674015 MASS PORT AUTHORITY 602674016 DIV BLACK FALCON LLC 602674018 JAMESTOWN I DESIGN PLACE LP 602674019 ECONOMIC DEVELOPMENT AND 60267409 ECONOMIC DEVELOPMENT AND 602674175 ECONOMIC DEVELOPMENT AND 602674185 ECONOMIC DEVELOPMENT AND 602674190 ECONOMIC DEVELOPMENT AND 602674190 ECONOMIC DEVELOPMENT AND 602674190 ECONOMIC DEVELOPMENT AND



Attachment H Notice of Intent Fee Documentation



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

A. Applicant Information

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.





• •						
. Location of Projec	t:					
88 Black Falcon Avenue		Boston				
a. Street Address		b. City/Town				
11967		\$237.50 DEP				
c. Check number		d. Fee amount				
Applicant Mailing	Applicant Mailing Address:					
Peter		DeBruin				
a. First Name		b. Last Name				
Massachusetts Po	ort Authority					
c. Organization						
One Harborside D	rive					
d. Mailing Address						
East Boston		MA	02128			
e. City/Town		f. State	g. Zip Code			
617-568-3583		PDeBruin@massport.com				
h. Phone Number	i. Fax Number	j. Email Address				
Property Owner (in	f different):					
a. First Name		b. Last Name				
c. Organization						
d. Mailing Address						
e. City/Town		f. State	g. Zip Code			
h. Phone Number	i. Fax Number	j. Email Address				

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

B. Fees

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

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

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

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

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

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

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



В

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

. Fees (continued)			
Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2a	1	\$500/2- \$12.50	\$237.50 Only for State Fee
Boston Fee Based on Project Cost		<u>\$75</u>	\$75 LOCAL
	Step 5/T	otal Project Fee:	
	Step 6/Fee Payments: Total Project Fee: State share of filing Fee:		
			\$312.50 a. Total Fee from Step 5
			\$237.50 b. 1/2 Total Fee less \$12.50
	City/Town shar	e of filling Fee:	\$75.00 c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

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

Department of Environmental Protection Box 4062 Boston, MA 02211

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

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