

34 William Way Bellingham, MA 02019

(508) 966 9092

childseng.com

January 14, 2022

Nicholas Moreno Boston Conservation Commission 1 City Hall Square, Room 709 Boston, MA 02201

Re: Constellation Wharf, Pier 7 Underdeck Repairs – NOI Application

Dear Mr. Moreno,

On behalf of our Client, The Lundgren Management Group, Inc, enclosed please find a Notice of Intent application and accompanying documents for the proposed Constellation Wharf Underdeck Repairs project. The project location is 1 Pier 7, Charlestown, MA on Boston Harbor. The project consists of repairing the existing concrete pier by repairing the spalling on pile caps and underdeck. The purpose is to maintain the pier to allow for the continued structural support of the buildings above.

If you have any questions or require additional information, please do not hesitate to contact the undersigned at nilsona@childseng.com.

Respectfully submitted,

CHILDS ENGINEERING CORPORATION

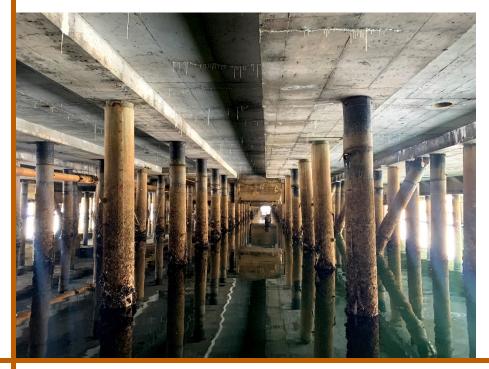
andrew R. Nilson

Andrew R. Nilson, P.E. Project Manager

cc: DEP Northeast Regional Office Division of Marine Fisheries

# Constellation Wharf, Pier 7 Charlestown, Massachusetts <u>Notice of Intent</u>

January 5, 2022



#### Submitted to:

Boston Conservation Commission 1 City Hall Square, Room 709 Boston, MA 02201

### Applicant:

The Lundgren Management Group, Inc. 121 Captains Row Chelsea, MA 02150

#### Applicant's Representative:



34 William Way Bellingham, MA 02019 (508) 966 9092

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## TABLE OF CONTENTS

WPA Form 3 – Notice of Intent

NOI Wetland Fee Transmittal Form

Notice of Intent Application Form

**City Fee Determination** 

APPENDIX A – Project Description

APPENDIX B – Abutters List and Notification Forms

APPENDIX C – Project Plans

APPENDIX D – Proof of Mailings

## Constellation Wharf Condominium Association Pier 7, Ninth Street Charlestown, MA 02129

January 11, 2022

**RE: Confirmation of Management Agent Representation** 

To whom it May concern:

Please be informed that under the direction of the Board of Managers, Property Manager John O'Neil of the Lundgren Management Group is authorized to sign agreements and forms on behalf of the Constellation Wharf Condominium Association as directed by the Board of Managers.

Sincerely,

1 At. Auget

Board of Manager President Gerald H. Angoff, MD MBA 38 Pier 7 Charlestown, MA 02129



# **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 Charlestown City/Town



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):

1 Pier 7	Charlestown	02129
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	42.37400N	71.04964W
Latitude and Longitude:	d. Latitude	e. Longitude
2047	3516	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	
Applicant:		
John	O'Neil	
a. First Name	b. Last Name	
The Lundgren Management Group, Inc.		
c. Organization		
121 Captains Row		
d. Street Address		
Chelsea	MA	02150
e. City/Town	f. State	g. Zip Code
617-887-3333	john@lundgrenmgmt.c	om
h. Phone Number i. Fax Number	j. Email Address	
Property owner (required if different from a. First Name Constellation Wharf Condominium Admin	b. Last Name	nore than one owner
a. First Name Constellation Wharf Condominium Admin c. Organization	b. Last Name	nore than one owner
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7	b. Last Name	nore than one owner
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address	b. Last Name	
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown	b. Last Name	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address	b. Last Name	
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown	b. Last Name	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town	b. Last Name nistration MA f. State	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number	b. Last Name nistration MA f. State	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any):	b. Last Name nistration  MA f. State j. Email address	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name	b. Last Name nistration  MA f. State j. Email address Nilson	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering	b. Last Name nistration  MA f. State j. Email address Nilson	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering c. Company	b. Last Name nistration  MA f. State j. Email address Nilson	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering c. Company 34 Williams Way	b. Last Name nistration  MA f. State j. Email address Nilson	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering c. Company 34 Williams Way d. Street Address	b. Last Name nistration  MA f. State j. Email address Nilson	02129
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering c. Company 34 Williams Way	b. Last Name  nistration  MA f. State j. Email address Nilson b. Last Name	02129 g. Zip Code
a. First Name Constellation Wharf Condominium Admin c. Organization 1 Pier 7 d. Street Address Charlestown e. City/Town h. Phone Number i. Fax Number Representative (if any): Andrew a. First Name Childs Engineering c. Company 34 Williams Way d. Street Address Bellingham	b. Last Name  nistration  MA f. State j. Email address Nilson b. Last Name MA MA	02129 g. Zip Code

\$1677.50 \$4505.00 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid

Page 2 of 9

 Massachusetts Department of Environmental Protection
 Provided by MassDEP:

 Bureau of Resource Protection - Wetlands
 MassDEP File Number

6. Coastal engineering Structure

8. Transportation

## WPA Form 3 – Notice of Intent

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

Document Transaction Number
Charlestown
City/Town

## A. General Information (continued)

6. General Project Description:

See Attachment A - Proposed Project and Resource Area Impacts and Mitigations

#### 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
- 7. Agriculture (e.g., cranberries, forestry)
- 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	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:

SUFFOLK	
a. County	b. Certificate # (if registered land)
12694	272
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 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 Charlestown City/Town

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

	<u>Resou</u>	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)	
For all projects	a. 🗌	Bank	1. linear feet	2. linear feet	
affecting other Resource Areas, please attach a	b. 🔄	Bordering Vegetated Wetland	1. square feet	2. square feet	
narrative explaining how the resource	c. 🗌	Land Under Waterbodies and	1. square feet	2. square feet	
area was delineated.		Waterways	3. cubic yards dredged		
domodiod.	Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)	
	d. 🗌	Bordering Land			
		Subject to Flooding	1. square feet	2. square feet	
			3. cubic feet of flood storage lost	4. cubic feet replaced	
	e. 🗌	Isolated Land	1. square feet		
		Subject to Flooding			
			2. cubic feet of flood storage lost	3. cubic feet replaced	
	f. 🗌	Riverfront Area	1. Name of Waterway (if available) - sr	pecify coastal or inland	
2. Width of Riverfront Area (check one):		a (check one):			
		25 ft Designated	Densely Developed Areas only		
		100 ft New agricu	ultural projects only		
		200 ft All other pr	ojects		
	3.	Total area of Riverfront A	rea on the site of the proposed proj	ect: square feet	
	4.	Proposed alteration of the	e Riverfront Area:		
	a. 1	total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.	
	5.	Has an alternatives analy	sis been done and is it attached to	this NOI?	
	6.	Was the lot where the act	tivity is proposed created prior to Au	ugust 1, 1996? 🗌 Yes 🗌 No	
:	3. 🛛 Co	astal Resource Areas: (S	ee 310 CMR 10.25-10.35)		
	Note:	for coastal riverfront area	s, please complete Section B.2.f. a	above.	



#### **Massachusetts Department of Environmental Protection** Provided by MassDEP:

Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 MassDEP File Number

**Document Transaction Number** Charlestown 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		<u>Resou</u>	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
transaction number		a. 🗌	Designated Port Areas	Indicate size under Land Unc	ler the Ocean, below
(provided on your receipt page) with all		b. 🗌	Land Under the Ocean	1. square feet	_
supplementary information you submit to the				2. cubic yards dredged	-
Department.		c. 🗌	Barrier Beach	Indicate size under Coastal Be	aches and/or Coastal Dunes below
		d. 🗌	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
		e. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
				Size of Proposed Alteration	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		nks, inland Bank, Land Under the der Waterbodies and Waterways,
		I. 🔀	Land Subject to Coastal Storm Flowage	1. cubic yards dredged 4100 1. square feet	_
	4.	If the p square	estoration/Enhancement project is for the purpose of		d resource area in addition to the ove, please enter the additional
		a. squar	e feet of BVW	b. square feet o	f Salt Marsh
	5.	🗌 Pr	oject Involves Stream Cros	sings	
		a. numb	er of new stream crossings	b. number of re	placement stream crossings



#### Provided by MassDEP: 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

MassDEP File Number

**Document Transaction Number** Charlestown City/Town

## C. Other Applicable Standards and Requirements

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

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

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

a. 🗌 Yes 🖾 N	If yes, include proof of mailing or hand delivery of NOI to:
	Natural Heritage and Endangered Species Program Division of Fisheries and Wildlife
2021	1 Rabbit Hill Road — Westborough, MA 01581
b. Date of map	- westborough, wa orbor

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\*
  - - (a) within wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

- 2. Assessor's Map or right-of-way plan of site
- 2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*
  - Project description (including description of impacts outside of wetland resource area & (a) buffer zone)
  - Photographs representative of the site (b)

<sup>\*</sup> 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.

<sup>\*\*</sup> 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 Provided by MassDEP:

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

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

MassDEP File Number

Document Transaction Number Charlestown

Charlestown City/Town

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

(c) MESA filing fee (fee information available at <u>https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review</u>).

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, <u>https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat</u>; 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 oppoing		
2.	Separate MESA review ongoing.	a. NHESP Tracking #	<ul> <li>b. Date submitted to NHESP</li> </ul>

- 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 North Shore - Hull to New Hampshire border: the Cape & Islands:

Division of Marine Fisheries -Southeast Marine Fisheries Station Attn: Environmental Reviewer 836 South Rodney French Blvd. New Bedford, MA 02744 Email: <u>dmf.envreview-south@mass.gov</u> Division of Marine Fisheries -North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: <u>dmf.envreview-north@mass.gov</u>

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.

с. 🗌	Is this an	aquaculture	project
U	is uns an	aquaculture	project

d. 🗌 Yes 🛛 No	d. 🗌	Yes	$\boxtimes$	No
---------------	------	-----	-------------	----

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).

		<b>Issachusetts Department of Environmental Protection</b> reau of Resource Protection - Wetlands	Provided by MassDEP:	
			MassDEP File Number	
		/PA Form 3 – Notice of Intent	Document Transaction Number	
	Ма	assachusetts Wetlands Protection Act M.G.L. c. 131, §40	Charlestown	
			City/Town	
	C.	Other Applicable Standards and Requirements	(cont'd)	
	4.	Is any portion of the proposed project within an Area of Critical Environ	mental Concern (ACEC)?	
Online Users: Include your document		a. Yes No If yes, provide name of ACEC (see instructions Website for ACEC locations). <b>Note:</b> electronic		
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 (ORW) as designated in the Massachusetts Surface Water Quality Sta		
supplementary information you		a. 🗌 Yes 🖾 No		
submit to the Department.	6.	Is any portion of the site subject to a Wetlands Restriction Order under Restriction Act (M.G.L. c. 131, $\S$ 40A) or the Coastal Wetlands Restrict		
		a. 🗌 Yes 🖾 No		
	7.	Is this project subject to provisions of the MassDEP Stormwater Manag	gement Standards?	
<ul> <li>a. Yes. Attach a copy of the Stormwater Report as required by the Storm Standards per 310 CMR 10.05(6)(k)-(q) and check if:</li> <li>1. Applying for Low Impact Development (LID) site design credits (as a standard structure).</li> </ul>			-	
		Stormwater Management Handbook Vol. 2, Chapter 3)		
		2. A portion of the site constitutes redevelopment		
		3. Proprietary BMPs are included in the Stormwater Manager	nent 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 sing or equal to 4 units in multi-family housing project) with no o		
	D.	Additional Information		
		This is a proposal for an Ecological Restoration Limited Project. Skip S Appendix A: Ecological Restoration Notice of Intent – Minimum Require 10.12).		

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



### Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

Provided by MassDEP:

MassDEP File Number

Document Transaction Number Charlestown City/Town

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

## 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.  $\square$  List the titles and dates for all plans and other materials submitted with this NOI.

CONSTELLATION WHARF UNDE	RDECK REPAIRS 9-10-21	
a. Plan Title		
Andrew Nilson, P.E.	Andrew Nilson, P.E.	
b. Prepared By	c. Signed and Stamped by	
10-13-21	As Noted	
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. X 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:

10272	01/03/2022
2. Municipal Check Number	3. Check date
10270	01/03/2022
4. State Check Number	5. Check date
Childs Engineering	
6. Payor name on check: First Name	7. Payor name on check: Last Name



## Massachusetts Department of Environmental Protection Provided by MassDEP:

Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

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

MassDEP File Number
Document Transaction Number
Charlestown
0
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

#### 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.

1.

2.

3.

**B.** Fees



## A. Applicant Information

Location of Project:					
Constellation Wharf	, Pier 7	Charlestown			
a. Street Address		b. City/Town			
		\$1677.50			
c. Check number		d. Fee amount			
Applicant Mailing Ac	ddress:				
John		O'Neil			
a. First Name		b. Last Name			
The Lundgren Mana	agement Group, Inc.				
c. Organization					
121 Captains Row					
d. Mailing Address					
Chelsea		MA	02150		
e. City/Town		f. State	g. Zip Code		
617-887-3333		john@lundgrenmgmt.com			
h. Phone Number	i. Fax Number	j. Email Address			
Property Owner (if o	lifferent):				

b. Last Name	
MA	02129
f. State	g. Zip Code
	f. State
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).

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

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

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

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

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

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

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



#### Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands NOI Wetland Fee Transmittal Form

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

### B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Work on Docks, Piers, Revetments, Dlkes, etc. (coastal or inland)	815 LF	\$4.00	\$3380
		tal Project Fee: Fee Payments:	
	Step on	ee i ayments.	00 00 cc4
	Total F	Project Fee:	\$3380.00 a. Total Fee from Step 5
	State share	of filing Fee:	\$1677.50 b. 1/2 Total Fee <b>less \$</b> 12.50
	City/Town share	of filling Fee:	\$4505.00 c. 1/2 Total Fee <b>plus</b> \$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.)





City of Boston Mayor Martin J. Walsh

#### INSTRUCTIONS FOR COMPLETING APPLICATION NOTICE OF INTENT – BOSTON NOI FORM

The Boston Notice of Intent Form is intended to be a supplement to the WPA Form 3 detailing impacts to locally designated wetland resource areas and buffer zones. Please read these instructions for assistance in completing the Notice of Intent application form. These instructions cover certain items on the Notice of Intent form that are not self-explanatory.

#### INSTRUCTIONS TO SECTION B: BUFFER ZONE AND RESOURCE AREA IMPACTS

<u>Item 1. Buffer Zone Only</u>. If you check the Buffer Zone Only box in this section you are indicating that the project is entirely in the Buffer Zone to a resource area **under both** the Wetlands Protection Act and Boston Wetlands Ordinance. If so, skip the remainder of Section B and go directly to Section C. Do not check this box if the project is within the Waterfront Area.

<u>Item 2</u>. The **boundaries of coastal resource areas** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

<u>Item 3</u>. The **boundaries of inland resource areas** specific to the Ordinance can be found in Section II of the Boston Wetlands Regulations. You must also include the size of the proposed alterations (and proposed replacement areas) in each resource area.

#### INSTRUCTIONS TO SECTION C: OTHER APPLICABLE STANDARDS AND REQUIREMENTS

<u>Item 1. Rare Wetland Wildlife Habitat</u>. Except for Designated Port Areas, no work (including work in the Buffer Zone) may be permitted in any resource area that would have adverse effects on the habitat of rare, "state-listed" vertebrate or invertebrate animal species.

The most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife is published by the Natural Heritage and Endangered Species Program (NHESP). See: <a href="http://maps.massgis.state.ma.us/PRI\_EST\_HAB/viewer.htm">http://maps.massgis.state.ma.us/PRI\_EST\_HAB/viewer.htm</a> or the Massachusetts Natural Heritage Atlas.

If any portion of the proposed project is located within Estimated Habitat, the applicant must send the Natural Heritage Program, at the following address, a copy of the Notice of Intent by certified mail or priority mail (or otherwise sent in a manner that guarantees delivery within two days), no later than the date of the filing of the Notice of Intent with the Conservation Commission.

Evidence of mailing to the Natural Heritage Program (such as Certified Mail Receipt or Certificate of Mailing for Priority Mail) must be submitted to the Conservation Commission along with the Notice of Intent.

Natural Heritage and Endangered Species Program Division of Fisheries and Wildlife 1 Rabbit Hill Road Westborough, MA 01581-3336 508.792.7270

CITY of BOSTON 1 CITY HALL SQUARE BOSTON, MA 02201-2021 | ROOM 709 | 617-635-3850 | CC@BOSTON.GOV



#### NOTICE OF INTENT APPLICATION FORM

Boston File Number

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

1. Project Location

1 Pier 7		Charlesto	own	02129	
a. Street Address		b. City/Town c. Z		c. Zip Code	
2047	2047				
f. Assessors Map/	Plat Number	<u>3516</u> <u>g. Parcel /Lc</u>	ot Number		
2. Applicant					
John	O'Neil		gren Management G	roup, Inc.	
a. First Name	b. Last Name	c. Compa	ny		
121 Captains Ro	ow				
d. Mailing Addres	S				
Chelsea		МА	0	2150	
e. City/Town		f. State		ip Code	
617-887-3333		john@lundgren	imgmt.com		
h. Phone Number	i. Fax Number	j. Email address			
3. Property C	Owner	Constellation	Wharf Condominium	n Administration	
a. First Name	b. Last Name	c. Company			
1 Pier 7 d. Mailing Address					
Charlestown		MA	02129	9	
e. City/Town		f. State	g. Zip C	ode	
h. Phone Number	i. Fax Number more than one owner	j. Email address			
(If there is more than	n one property owner, please a	ttach a list of these property	y owners to this form.)	)	
4. Representa	ative (if any)				
Andrew	Nilson	Childs Eng	jineering		
a. First Name	b. Last Name	c. Company			
34 William Way d. Mailing Address					
Bellingham		MA f. State	<u>02019</u> g. Zip C		
e. City/Town				out	
(508) 966-9092		nilsona @childsen	.g.com		
h. Phone Number	i. Fax Number	j. Email address			



Boston File Number

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4

- MassDEP File 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

See Attachment A - Proposed Project and Resource Area Impacts and Mitigations

Fee Paid \$ 1677.50 e Paid b. State Fee Paid		0	Number icate # (if registered land) \$4505 c. City Fee Paid
Fee Paid		0	
		0	
	b. I	Page	Number
	b. I	Page	Number
	b. Page Number		
erty recorded at the Registry of Deeds			
□ Transportation	j.		Other
Coastal Engineering Structure	h.		Agriculture – cranberries, forestry
Dock/Pier	f.		Utilities
			Commercial/Industrial
Single Family Home			Residential Subdivision
□ S	ype Checklist ingle Family Home imited Project Driveway Crossing	ingle Family Home b.	ingle Family Home b. 🗅

Buffer Zone Only - Is the project located only in the Buffer Zone of a resource area protected by the Boston Wetlands Ordinance?

□ Yes

X No

1. Coastal Resource Areas

## CITY of BOSTON

City of Boston Environment

#### NOTICE OF INTENT APPLICATION FORM

Boston File Number

Boston Wetlands Ordinance

City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

<u>Re</u>	source Area	Resource <u>Area Size</u>	Proposed <u>Alteration*</u>	Proposed <u>Migitation</u>
	Coastal Flood Resilience Zone			
		Square feet	Square feet	Square feet
	25-foot Waterfront Area			
		Square feet	Square feet	Square feet
	100-foot Salt Marsh Area			
		Square feet	Square feet	Square feet
	Riverfront Area			
		Square feet	Square feet	Square feet
2.	Inland Resource Areas			
De	source Area	Resource	Proposed	Proposed
<u> </u>	Source Area	<u>Area Size</u>	<u>Alteration*</u>	<u>Migitation</u>
	Inland Flood Resilience Zone			
		Square feet	Square feet	Square feet
	Isolated Wetlands			
		Square feet	Square feet	Square feet
	Vernal Pool			
		~ ^	~ ^	~ ^
		Square feet	Square feet	Square feet
	Vernal Pool Habitat (vernal pool + 100 ft. upland area)	Square feet	Square feet	Square feet
	Vernal Pool Habitat (vernal pool + 100 ft. upland area)	Square feet	Square feet Square feet	Square feet Square feet
	Vernal Pool Habitat (vernal pool + 100 ft. upland area) 25-foot Waterfront Area	Square feet	Square feet	Square feet
	25-foot Waterfront Area			
		Square feet	Square feet	Square feet

#### 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 other permits required are a WPA Form 3 Notice of Intent filed with the MA DEP.



#### NOTICE OF INTENT APPLICATION FORM

Boston File Number

City of Boston Code, Ordinances, Chapter 7-1.4 MassDEP File Number

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 <a href="http://www.mass.gov/dfwele/dfw/nhesp/nhregmap.htm">http://www.mass.gov/dfwele/dfw/nhesp/nhregmap.htm</a>.

**Boston Wetlands Ordinance** 

□ 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

percentage/acreage

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

(2) outside Resource Area

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?
  - **u** 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
    - Dependence of the Stormwater Management System
  - $\square$  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

## CITY of **BOSTON**

 $\square$ 



#### NOTICE OF INTENT APPLICATION FORM

Boston File Number

Boston Wetlands Ordinance City of Boston Code, Ordinances, Chapter 7-1.4

MassDEP File Number

#### 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	Date
Signature of Property Owner (if different)	Date
Signature of Representative (if any)	Date

Commonwealth of MA

Item/AccountDescriptionPermit Fees:Feespermits, filings, recordings, etc.

10100 - Operating Checking

Project 2954-21.01 - Constellation W...

1.00

\$

\$1,677.50

SF5001NLHG-1

TO REORDER, CALL YOUR LOCAL SAFEGUARD DISTRIBUTOR AT 800-992-7277

CRX76K0010000 B20SF001073

F2B721 STKDK07 01/24/2020 10:29-232- PO

#### CHILDS ENGINEERING CORPORATION

#### City of Boston

Item/Account Permit Fees:Fees Description permits, filings, recordings, etc.

10100 - Operating Checking

Project 2954-21.01 - Constellation W...

CRX76K0010000

1/3/2022

\$

\$4,505.00

10272

SF5001NLHG-1

TO REORDER, CALL YOUR LOCAL SAFEGUARD DISTRIBUTOR AT 800-992-7277

F2B721 STKDK07 01/24/2020 10:2-230- PO

B20SF001073

**10270** 1/3/2022

# **APPENDIX A**

# **Project Description**

## A. General Information

6. General Project Description:

The proposed project at Constellation Wharf on Pier 7 in Charlestown, MA includes repairing the existing concrete pier superstructure located on the underside of the pier. The pier was constructed in the 1950's by the U.S. Navy and used as a munitions loading pier until the 1980's when it was converted to condominiums. The concrete pier deck is supported by concrete pile caps and beams which are all supported by concrete filled steel pipe piles. The deficiencies that require repairs were located through a program to conduct periodic inspections of the pier structure. The most recent inspection effort was conducted by Childs Engineering and included an underwater and above water inspection of the underside of the pier in spring 2021. The results of this inspection discussed maintenance required in the near future and items for the Condo Association to consider for long term upgrades and capital planning. This inspection program is a continuation from a project which took place in 2014 and 2015 to provide repairs and preventative maintenance to the pile support structure. This previous project was permitted under DEP File No. 006-1353 and included installation of support pile encasements and sacrificial anode cathodic protection.

This proposed project includes repairs to existing open and closed corrosion spalling on the underside of the Pier. The spalling is located on the underdeck, pile caps, and beams and ranges in size from 1 square foot to 164 square feet. The total spalling square footage is approximately 4,100 square feet underneath the pier. The concrete spalling will be repaired used standard concrete restoration methods which includes chipping back the old concrete until sound concrete is reached, replacing the existing steel reinforcing if required, and reforming and adding new concrete. The repair details can be seen in the Plans on Sheet S-03 in the Details labeled "Pile Cap Repair-Type A", "Pile Cap Repair-Type B', and "Underdeck Repair Section". The work will be done in three phases denoted by priority level.

Overall, the purpose of the project is to maintain the existing pier structure so it can continue to support the condominium complex above. The proposed alternatives to repairing the pier are to not repair it and continue to let it deteriorate. This option is not viable because it could potentially endanger the people living above it and have more costly repairs down the line. This option also poses a greater environmental risk by letting the deteriorating pier structure fall into the fall. Another alternative would be to replace the pier. This option is not feasible because it would displace the people living above it, it would be a greater financial and environmental undertaking. Repairing the pier reduces the cost, and the environmental impact all while maintaining the pier structure.

A contractor has not been selected as of this application submittal date, but the project management team will ensure that a qualified marine contractor with extensive experience with similar projects is selected. The underdeck is expected to be accessed through temporary staging on floating docks underneath the pier. The staging will need to be adjusted frequently to accommodate for the large tide fluctuation in the harbor. The timeline as of now is to complete the priority work in 2022. Any work that cannot be accomplished during that time

and within the budgets of the Association will be deferred to a later date. The engineering team has prioritized the repairs ranking them from 1 to 3, where priority 1 repairs should be conducted within 2 to 3 years, priority 2 should be completed within 5 years, and priority 3 should be completed within 10 years. The contractor will be required to abide by all necessary local, state, and federal construction regulations as well as all conditions applied to the project by the Order of Conditions. They will also be held to all necessary safety regulations and navigational regulations set forth by the U.S. Coast Guard. There is a "Summary of Work" document attached that includes a summary of the work as well as a condition proposed by the Engineer. The summary of work includes a cost for the Priority 1 repairs, but all three priority levels are included in this permit application. Note that all the debris created by the repairs will be captured and disposed of.

The contractor will accomplish the proposed work from a work barge alongside of and at the end of the pier to provide staging area for workers and material storage. The contractor will access the job area using wooden or metal floats placed under the pier. It is possible that some members of the timber fender system may need to be temporarily removed to allow for more access. Due to the tidal nature of the project, the contractor's work will be limited by the water level and allowable safe access under the pier. The floats will provide a working platform for the contractor but also a platform to catch all debris. The floats will be installed under the project work areas to ensure all demolition materials will be captured for disposal. The contractor will remove all demolition material by scoping it up and placing it in small buckets, the buckets will be hand carried out from under the pier onto an adjacent staging barge and disposed of in a dumpster. The barge carrying the dumpster will be towed to a work yard for offloading on an as needed basis. The demolition will be conducted using electric or pneumatic powered tools, given the overhead nature of the project, these tools will need to be smaller and therefore quieter.

It is expected that the contractor will capture all materials removed during demolition using the floating barges installed under the pier. An alternative to floating barges will be for the contractor to hang staging from the concrete structures or utilizing the support piles. Both options will ensure that the demolition material be captured for removal. The project team is also aware that the pier is located in a relatively congested and active marine area during warmer months and it is therefor also expected that the selected contractor ensure that all construction activities including staging barge be located to minimize adverse impacts to the surrounding business.

The engineering team has utilized all available best management practices to ensure that the project meets the projected life cycle and will not unnecessarily change or impede navigation to the surrounding area or impacts to the resource areas. The goal of the project is to repair the concrete portions of the pier that have become compromised over the decades and have possibly seen a reduction in capacity. Many of the deficiencies found requiring repairs are due to poor protection to the reinforcing steel or exposure to chlorides and weather over decades of use. The design team has developed repairs that, if executed sufficiently, will increase the life cycle of the pier by providing additional protection to the reinforcing steel.

#### **Statement on Climate Resiliency**

In consideration of climate change and sea level rise. This project will help improve the pier's ability to withstand the increase in storm intensity and frequency by helping rehabilitate the deck and pile caps and prevent further deterioration that will only be exacerbated by sea level rise and storms. The pier is already established and has enough height in its current construction to be able to withstand some sea level rise. The original elevation of the concrete pier deck, as constructed by the Navy in the 1950's is +16.0' MLW, the annual 1% storm event as determined by FEMA is +16.16' MLW. The first-floor elevation of the condominiums is roughly +18.0' MLW or higher.

Raising the elevation of the pier and condominium complex above it is not a reasonable undertaking. The scope of the repairs is relatively minor is regards to the costs associated with elevating the pier. The scope of the repair is also isolated to the underdeck so changing other aspects of the pier was not considered during this project. In the future, as repairs on other areas of the pier become required, other alternatives can be examined.

This project will also not alter the pier's ability to manage stormwater, runoff, or flooding. The repairs are confined to the underside of the pier and will not alter the pier's ability to drain water off of or through it.

The project being mainly below the pier deck means there will be no adverse heat effects and will not alter the ground cover or the water temperature.

While many options for confronting sea level rise are available, few are viable or affordable. The Association is fully aware of the potential for future impacts to their structure based on sea level rise and have studied the plans and data developed by the Climate Ready Charlestown program. The Association has committed to engage in a study that helps outline climate resiliency risks of the current pier structure, the impacts that may be caused by sea level rise, and potential remediation for these impacts. This study is in the beginning planning phases and as of the submittal of this application, has not reached any conclusions and is generally in a different timescale as this proposed repair project. The overall process is expected to take many months to years to reach a full conclusion.

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

3. Coastal Resource Areas:

#### 1.0 Land Subject to Coastal Storm Flowage

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) for the city of Boston FEMA Community Panel Map Number 25025C0081J was reviewed. As per review of the FIRM map, the project is located in Zone VE (EL. 11.0 feet in reference to NAVD88) of this resource area. Land Subject to Coastal Storm Flowage is defined in 310 CMR 10.04 as the "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 project falls into the VE Zone, meaning the elevation of water will be, as noted on the FEMA map, EL. 11.0 in reference to NAVD88.

The pier deck falls above this elevation, however some of the repairs will be done close to or within this elevation. The project does not alter or affect, in any way, the ability of the seawall, or waterfront area, to control coastal flooding or impede its ability to prevent coastal storm damage. The CZM Coastal Manual states a structure that "may deflect, reflect, and redirect storm waves, affecting adjacent properties, landward areas, and the subject property with wave energy, overwash, and flood waters". Our project does not change the pier structure's fundamental construction.

## C. Other Applicable Standards and Requirements

7. Is this project subject to provisions of the MADEP Stormwater Management Standards?

This project is not subject to the provisions of the MADEP Stormwater Management Standards. The Standards are not applicable to this project since no stormwater is generated and the project will not alter or have any impact to any resource area.

## D. Additional Information

- 1. USGS Map is included in Appendices.
- 2. A site plan with proposed activities is included in the submitted drawing set.
- 3. *Method for BVM:*

BVM and other resource area boundary delineations were identified by visual observation.

#### 4. Plan Information:

<u>Plan Title</u>	<u>Date</u>
G-01 Title Sheet	2021
G-02 Notes	2021
S-01 Underdeck Condition Plan	2021
S-02 Underdeck Condition Plan	2021
S-03 Sections and Details	2021

#### SUMMARY OF WORK & ESTIMATES

#### SCOPE OF WORK

This summary of work includes the broad scope necessary to carry out repairs to the concrete underdeck of Constellation Wharf, formerly known as Pier 7 in the Charlestown Navy Yard on the Boston Harbor. The goal of this document and the accompanying plans is to outline the scope of work and provide clarity to aid in planning the future capital expenses required to conduct the recommended repairs. All recommended repairs are based on the Waterfront Facilities Inspection report completed by Childs Engineering in June 2021. The accompanying plans are not intended to be utilized for final design or construction purposes.

The required work to be completed at Constellation Wharf shall include but is not necessarily limited to the following work and as shown on the accompanying plans:

- 1. Provide all necessary staging and equipment to conduct the work discussed herein.
- 2. Provide temporary staging on floats for additional utility trades whose scope is not discussed in this document. The staging shall be provided for an estimated time period of 4 weeks and shall be maintained during all tide cycles by the Contractor. The standard hours of work operation are anticipated for the additional trades.
- 3. Conduct the concrete pile cap Type A and Type B spall repairs outlined in the accompanying plans.
- 4. Conduct the concrete underdeck spall repairs outlined in the accompanying plans.
- 5. Provide basic services to satisfy conditions required by local permitting agencies including a debris boom and siltation curtain, DEP project sign, and equipment required to catch and dispose of all project waste. Currently an Order of Conditions has not been obtained for this project, but typical conditions are expected.

#### PROJECT LOCATION

Constellation Wharf, Pier 7, Charlestown, MA, Boston Harbor - Project Location Map Link

#### STAGING OF WORK

- A. The project site is subject to tidal fluctuation as defined on the plans. Access during high tides is limited or prohibited. The Contract shall provide all necessary staging to access the repair areas as required. No damage to the existing structure due to staging left in place is permitted and it is expected that the Contractor will provide full-time labor to handle all staging maintenance.
- B. Provide underdeck staging for additional trades to conduct utility repairs on the underside of the pier. The trades will require the same access to the underdeck

area that the pile cap and underdeck repairs require. It is estimated that the trades will need 4 weeks of staging use to complete their tasks. During this time, the Contractor will provide all labor necessary to maintain the staging during tidal fluctuations and location moves.

#### HOURS OF WORK

The Contractor's regular work hours shall be considered Monday through Friday 7:30 A.M. through 5:00 P.M. with an allowable quiet start. Due to the tidal nature of this work, it is anticipated that work may be required to be conducted outside normal work hours to complete it in a timely manner. This contingency is based on impact to tenants and not included in this project estimate.

#### **RESTRICTIONS AND DISTURBANCES**

- A. Work and movement of personnel and equipment shall be coordinated to avoid disturbance or interference with the Owner, tenant operations, or pedestrians utilizing the Harborwalk public space.
- B. Any material and equipment required for construction shall not be stored on the Owner's property without prior authorization.
- C. The Contractor shall maintain and protect all existing structures and utilities within the general area of the work limits.
- D. The Contractor shall be responsible for all temporary facilities and controls required for the successful execution of the work including all services found necessary for the Contractor's construction operations.

#### DEBRIS AND WASTE

- A. The Contractor shall be responsible for the proper disposal of all waste created by the project and shall conform to all existing laws, ordinances, regulations, orders, and decrees pertaining to the disposal of project materials.
- B. Surplus materials and equipment from the project shall be transported, stored, or disposed of by the Contractor. All debris and waste material generated by the work shall become the property of the Contractor and shall be immediately removed from the site and legally disposed of. The Contractor shall be responsible for arranging an off-site disposal area.

#### WORK EXECUTION

A. Many of the defects outlined in the plans are due to improper construction techniques such as lack of reinforcing steel cover. The repair details outlined in the accompany plans are intended to provide the Owner with repairs that improve

#### SUMMARY OF WORK

upon the original construction of the pier. These designs are preliminary in nature and are subject to further scrutiny on the part of the Engineer. Should the Contractor disagree with any repair details or methods, suggestions can be submitted to the Owner and Engineer in an effort to produce the best possible product.

B. All standard construction submittals are expected to be required for this project including but not limited to product data sheets, manufacturer's recommended preparation and installation techniques, material sources, and schedules.

#### CONSTRUCTION DOCUMENTATION

- A. It is anticipated that all typical construction documentation will be required on the part of the Contractor including all documents necessary to satisfy the local, state, and federal permits and of the construction specifications.
- B. Preconstruction submittals shall be submitted to the Owner and Engineer prior to mobilization to the site and are required to comply with local permitting and the project Order of Conditions. The required submittals are estimated to include the following:
  - a. Mass DEP project sign
  - b. Spill Management Plan
  - c. List of responsible people for project compliance
  - d. Acknowledgement of understanding of project plans, specifications, and Order of Conditions
  - e. Construction material and equipment staging plan
  - f. Daily log summarizing work
  - g. Project approach and narrative discussing how the work will be completed including a brief discussion of the materials being used and methods or machines used to install them
  - h. Project schedule including sequencing.

#### COST ESTIMATING

For the purposes of obtaining future budgetary information, please complete the following table indicating the cost to perform each scope of work item. Please account for all work items outlined in this document include documentation management. Deficiencies have been broken down by repair type and priority. Repairs given higher priority should be conducted in the near future and are larger in scale or affect larger portions of the structure. Lower priority repairs are smaller defects or do not provide the same operational capability impact as the higher priority repairs. Refer to the accompanying plans for differing repair types and locations of repairs.

Repair types (A, B, Underdeck) dictate the repair method while repair priority (1, 2, 3) dictates the urgency of the repair. It is assumed that the priority 1 repairs will carry the same relative repair type cost as priority 2 and 3.

ITEM NO.	DESCRIPTION OF WORK AND UNIT PRICES WRITTEN	UNIT PRICE	ESTIMATE D QUANTITY	Unit	LUMP SUM
1	Mobilization Provide all labor, materials, and transportation necessary to mobilize to the job site. Estimate shall be lump sum.	\$75,000	1	LS	\$75,000
2	<b>Staging and Maintenance</b> Provide temporary staging for additional trades to perform underdeck work for the estimated time frame of 4 weeks. The Contractor shall provide all labor necessary to maintain the underdeck staging throughout the 4-week period. Estimate shall be lump sum.	\$35,000	1	LS	\$35,000
3	<b>Priority 1: Type A Concrete Pile Cap</b> <b>Repairs</b> Conduct Type A repairs to the concrete pile cap as shown on the accompanying plans. Estimate shall be per square foot repaired.	\$330	56	SF	\$18,480
4	Priority 1: Type B Concrete Pile Cap Repairs Conduct Type B repairs to the concrete pile cap as shown on the accompanying plans. Estimate shall be per square foot repaired.	\$295	1443	SF	\$425,685
5	<b>Priority 1: Concrete Underdeck Repairs</b> Conduct repairs to the concrete underdeck as shown on the accompanying plans. Estimate shall be per square foot repaired.	\$230	135	SF	\$31,050
6	<b>Priority 2: Type A Concrete Pile Cap</b> <b>Repairs</b> Conduct Type A repairs to the concrete pile cap as shown on the accompanying plans.		41	SF	

### Pier 7 Underdeck Repairs – 35% Design/Capital Planning The Lundgren Management Group, Inc.

ITEM NO.	DESCRIPTION OF WORK AND UNIT PRICES WRITTEN	UNIT Price	ESTIMATE D QUANTITY	Unit	LUMP SUM
	Estimate shall be per square foot repaired.				
7	<b>Priority 2: Type B Concrete Pile Cap</b> <b>Repairs</b> Conduct Type B repairs to the concrete pile cap as shown on the accompanying plans. Estimate shall be per square foot repaired.		1702	SF	
	<b>Priority 2: Concrete Underdeck Repairs</b> Conduct repairs to the concrete underdeck as shown on the accompanying plans. Estimate shall be per square foot repaired.		118	SF	
9	<b>Priority 3: Type A Concrete Pile Cap</b> <b>Repairs</b> Conduct Type A repairs to the concrete pile cap as shown on the accompanying plans. Estimate shall be per square foot repaired.		23	SF	
10	<b>Priority 3: Type B Concrete Pile Cap</b> <b>Repairs</b> Conduct Type B repairs to the concrete pile cap as shown on the accompanying plans. Estimate shall be per square foot repaired.		99	SF	
11	<b>Priority 3: Concrete Underdeck Repairs</b> Conduct repairs to the concrete underdeck as shown on the accompanying plans. Estimate shall be per square foot repaired.		456	SF	

Subtotal of Construction Costs: \$\_\_\_\_\_

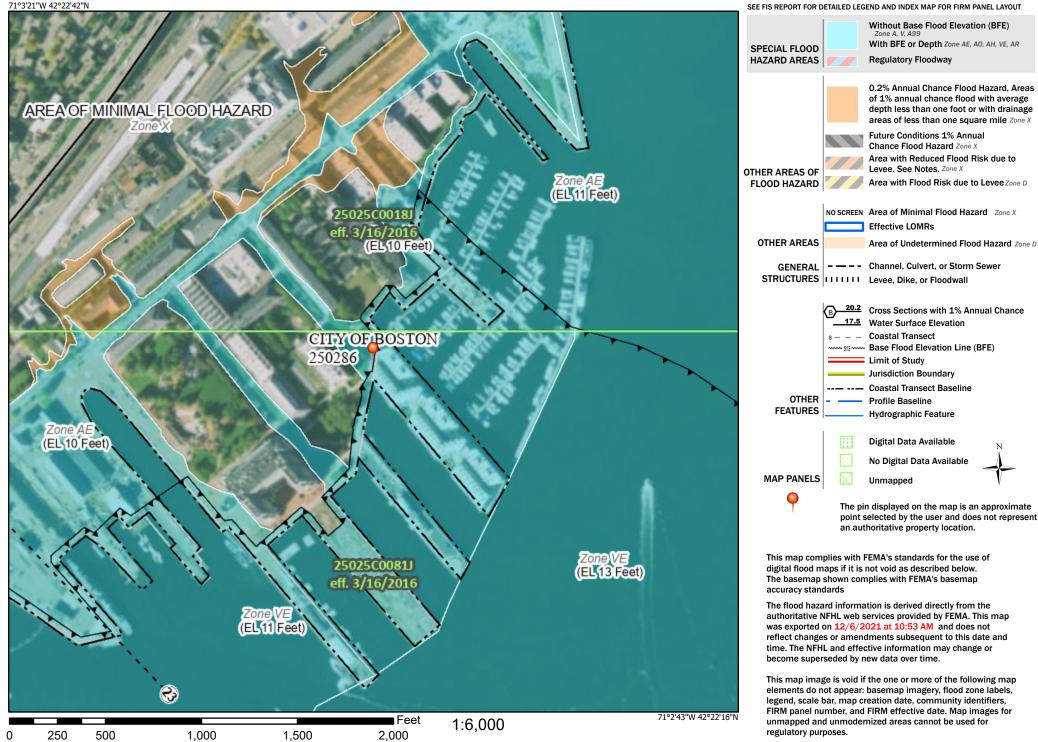
END OF SECTION

APPENDIX C Project Plans

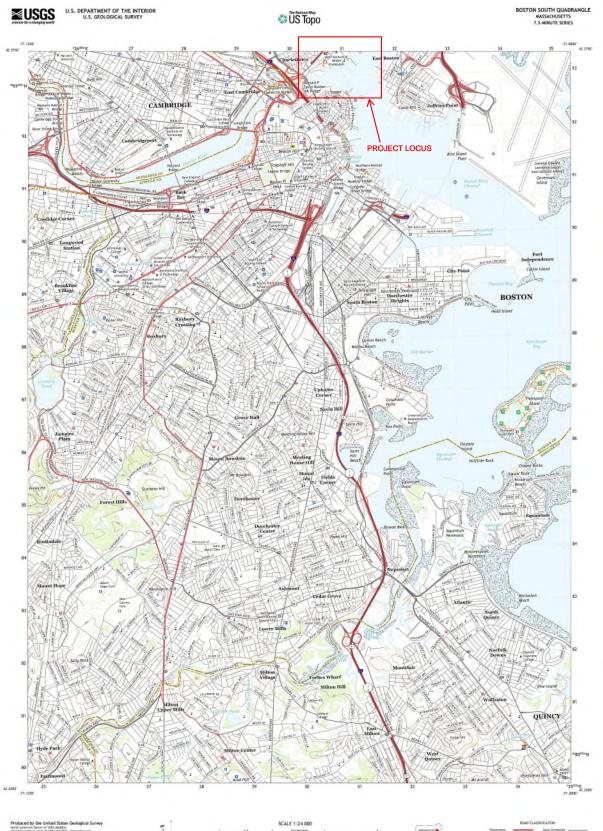
# National Flood Hazard Layer FIRMette

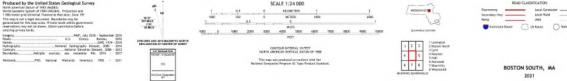


#### Legend

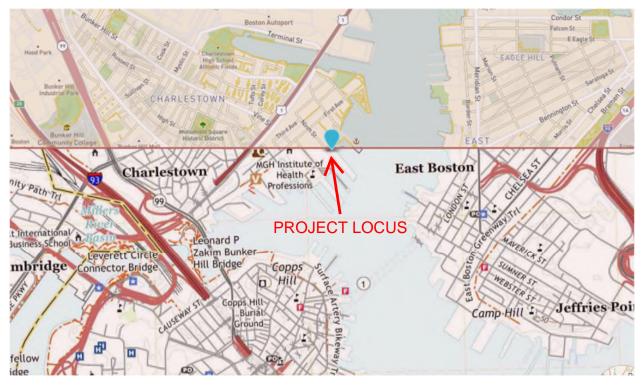


Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



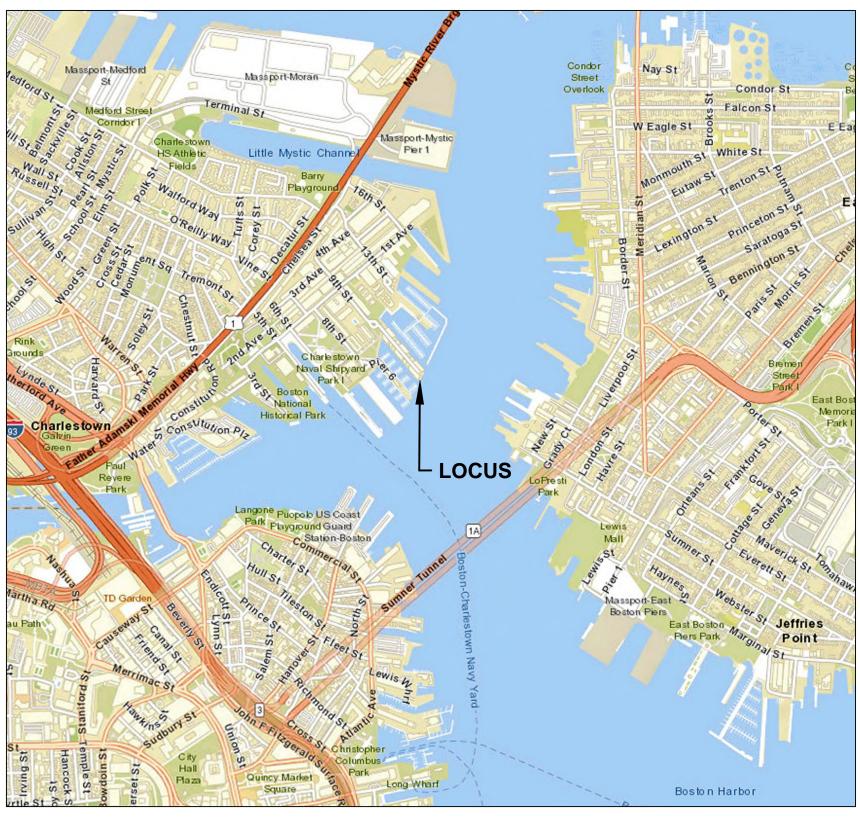


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Close-up of USGS TOPO Map

# **CONSTELLATION WHARF UNDERDECK REHABILITATION PROJECT** CHARLESTOWN, MA

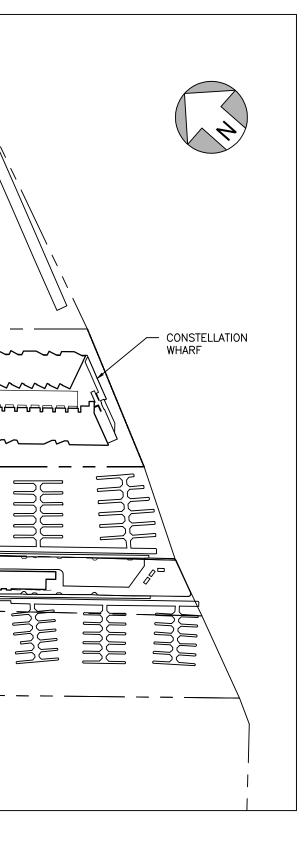


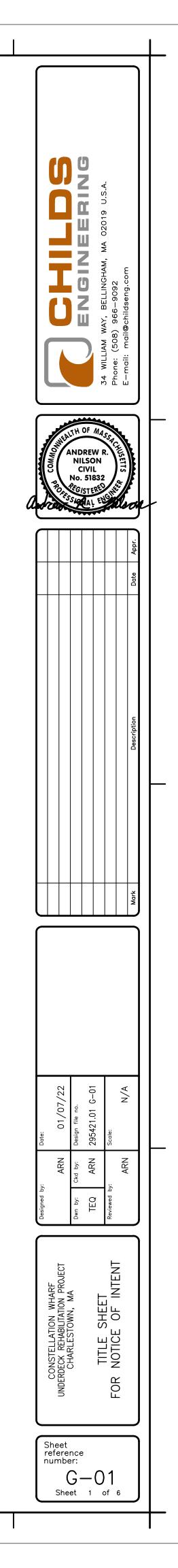


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SITE PLAN

DRAWING INDEX									
SHEET NO.	EET NO. DRAWING NO. DRAWING TITLE								
GENERAL									
1	G-01	TITLE SHEET AND DRAWING INDEX							
2	G-02	GENERAL NOTES							
3	G-03 SITE PLAN								
	STRUCTURAL								
4	S-01	UNDERDECK CONDITION PLAN							
5	S-02	UNDERDECK CONDITION PLAN							
6	S-03	SECTIONS AND DETAILS							





## **PERMIT DRAWINGS NOT FOR CONSTRUCTION**

1	1 2
	DESCRIPTION OF WORK 1. THE WORK INCLUDES CONCRETE REPAIRS TO THE EXISTING PILE CAPS AND UNDERDECK IN LOCATIONS SHOWN
	THESE PLANS. 2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO DEPICT THE TYPE OF REPAIRS AND APPROXIMATE QUANT
	THE QUANTITY AND LOCATION OF REPAIRS IS BASED ON THE FINDINGS OF THE WATERFRONT FACILITY INSPECTION REPORT BY CHILDS ENGINEERING IN MAY AND JUNE OF 2021.
	3. THE CONTRACTOR SHALL PREPARE THE REPAIR AREAS BY REMOVING DETERIORATED/LOOSE CONCRETE AND CORROSION BY—PRODUCT AS NECESSARY TO QUANTIFY THE TOTAL EXTENTS OF THE REPAIR. THE CONTRACTOR SHALL COMPLETE THE INCLUDED TABLE INDICATING THE TYPE AND SIZE OF EACH REPAIR.
D	GENERAL NOTES:
	1. THE NOTES SPECIFIED ON THIS SHEET SHALL NOT SUPERSEDE THE TECHNICAL SPECIFICATION PACKAGE. THEY A INTENDED TO WORK IN CONJUNCTION AND PROVIDE A REFERENCE FOR THE CONTRACTOR.
	2. THE CONTRACTOR SHALL NOT IMPEDE ACCESS ALONG THE MARINA ACCESS AREAS DURING SEASONAL USAGE. THE CONTRACTOR SHALL COORDIANTE WITH THE MARINA TO ENSURE ALL WORK BARGES ARE LOCATED TO PREVENT CONFLICTS.
	3. THE CONTRACTOR'S WORKERS SHALL KEEP WITHIN THE LIMITS OF THE WORK AREA AND SHALL NOT ENTER ANY RESTRICTED AREAS UNLESS REQUIRED TO DO SO AND ARE CLEARED FOR ACCESS.
	4. SMOKING IS NOT ALLOWED EXCEPT IN DESIGNATED SMOKING AREAS.
_	5. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH CONDITIONS AT T SITE AND SUGGESTED CONSTRUCTION SEQUENCES. THE CONTRACTOR SHALL CONSIDER THE TIDE CYCLE IN PARTICULAR AS IT IS NECESSARY TO BE AWARE OF FOR SITE ACCESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING STRUCTUR IN SAFE CONDITION AT ALL TIMES DURING THE PROCESS OF CONSTRUCTION.
	6. ON SITE WORK HOURS SHALL BE BETWEEN 7:30 AM AND 5 PM, MONDAY THROUGH FRIDAY. QUIET WORK IS PERMITTING OUTSIDE OF THIS TIMEFRAME. IF WORK OUTSIDE OF THESE HOURS IS REQUIRED OR RECOMMENDED BETTER ACCESS BENEFICIAL TIDE CYCLES, THE CONTRACTOR WILL COORDINATE WITH THE OWNER AND ENGINEER AND GAIN PERMISSION PRIOR TO COMMENSING.
	7. THE CONTRACTOR SHALL CONDUCT A PRECONSTRUCTION SURVEY TO VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PERTAINING TO THE WORK. SHOULD ACTUAL FIELD DIMENSIONS, ELEVATIONS, AND CONDITIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER AND PRESENT THEM WITH A ADJUSTED PLAN PRIOR TO PROCEEDING WITH THE WORK.
С	8. THE CONTRACTOR SHALL MAINTAIN A SET OF PROJECT DRAWINGS ON SITE THAT IS MARKED UP FOR AS BUILT CONDITIONS AND SHOWS THE CURRENT PROGRESS OF THE CONSTRUCTION. THESE DRAWINGS SHALL BE MADE AVAILABLE TO THE OWNER AND ENGINEER AT ANY TIME FOR REVIEW.
U III	9. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS UNIFORM BUILDING CODE WIT LATEST AMENDMENTS.
	10. ELEVATIONS ARE SHOWN IN FEET AND TENTHS AND ARE BASED ON MEAN LOW WATER TIDAL DATUM (MLW). PO VALUES REPRESENT AN ELEVATION ABOVE THAT SAME PLANE.
	11. THE FACILITIES ARE EXPOSED TO SEVERE WEATHER CONDITIONS THAT WILL AFFECT THE WORK. CONTRACTOR SH TAKE ADEQUATE PRECAUTIONS TO PROTECT THE WORK AND SHALL BE RESPONSIBLE FOR ANY LOSS OF TIME A EQUIPMENT OR DAMAGE TO THE WORK AS A RESULT OF THE WEATHER.
	12. IF THE CONTRACTOR ENCOUNTERS UTILITIES THAT AFFECT THE WORK, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER PRIOR TO CONTINUING WITH THE WORK.
	13. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS AF UNCOVERED DURING CONSTRUCTION OR DEMOLITION.
_	14. THE CONTRACTOR IS RESONSIBLE FOR PROVIDING AND DISPLAYING THE SITE SIGN AS OUTLINED IN THE ORDER
	CONDITIONS ITEM XX AS ISSUED BY THE BOSTON CONSERVATION COMMISSION.
	ISSUED BY THE BOSTON CONSERVATION COMMISSION SIGNED XX.
	1. THE CONTRACTOR SHALL SUBMIT A SILT CURTAIN AND DEBRIS BOOM PLAN SHOWING LOCATION AND SCHEDULE
	USE AS WELL AS ALL MANUFACTURER'S DESCRIPTIONS, DESIGN SPECIFICATIONS AND ANY NECESSARY CALCULAT 2. THE SILT CURTAIN AND DEBRIS BOOM SHALL BE CONTINUOUSLY ATTACHED TO FLOATS OVER THE ENTIRE LENG AND SHALL BE OF SUFFICIENT LENGTH TO EXTEND TO THE MUDLINE DURING ALL WATER LEVEL FLUCTUATIONS WAVE EVENTS AND SHALL BE ANCHORED OR WEIGHTED TO ENSURE STABILITY IN CURRENT OR WEATHER EVENT
В	AND SHALL CONFORM TO ALL INCLUDED PERMITS AND LICENSES. 3. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL DEBRIS AND MATERIALS FOR DISPOSAL ON A DAILY BASIS.
_	DISPOSAL OF THE MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
	4. ALL DEMOLITION MATERIAL SHALL BE CAPTURED FOR DISPOSAL USING SMALL FLOATS OR OTHER METHODS AT T DISCRETION OF THE CONTRACTOR.
	<ol> <li>PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN INCLUDING THE METHOD OF CAPTURING ALL DEMOLITION MATERIAL. THIS INFORMATION SHALL BE SUBMITTED TO ALL PERMITTING AGENCIES F RECORD AND COMPLIANCE.</li> <li>CODES AND STANDARDS:</li> </ol>
	1. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS UNIFORM BUILDING CODE WIT
	LATEST AMENDMENTS. 2. ALL STRUCTURAL CONCRETE SHALL CONFORM TO THE LATEST ACI 318 BUILDING CODE.
_	3. ALL REPAIRS SHALL BE CONDUCTED IN A MANNER TO PROVIDE A MINIMUM OF 2.5 INCHES OF COVER OVER AI EXISTING OR NEW REINFORCING STEEL.
	4. EXPOSED CONCRETE EDGES SHALL HAVE A 34 INCH CHAMFER UNLESS OTHERWISE NOTES.
	5. CAST-IN-PLACE CONCRETE SHALL HAVE A COMRPESSIVE STRENGTH OF 4,000 PSI (MINIMUM) AT 28 DAYS.
	6. CHECK ALL CONCRETE SURFACES TO ENSURE THEY ARE FREE FROM LOOSE AGGREGATE OR ADDITIONAL DETERIORATION.
A	

QUINN K:\2954-21.01 CONSTELLATION WHARF 35% DESIGN - LUNDGREN\CADD\PERMIT DWGS\NOI\295421.01 G-02 NOTES.DWG Jan 07, 2022 -

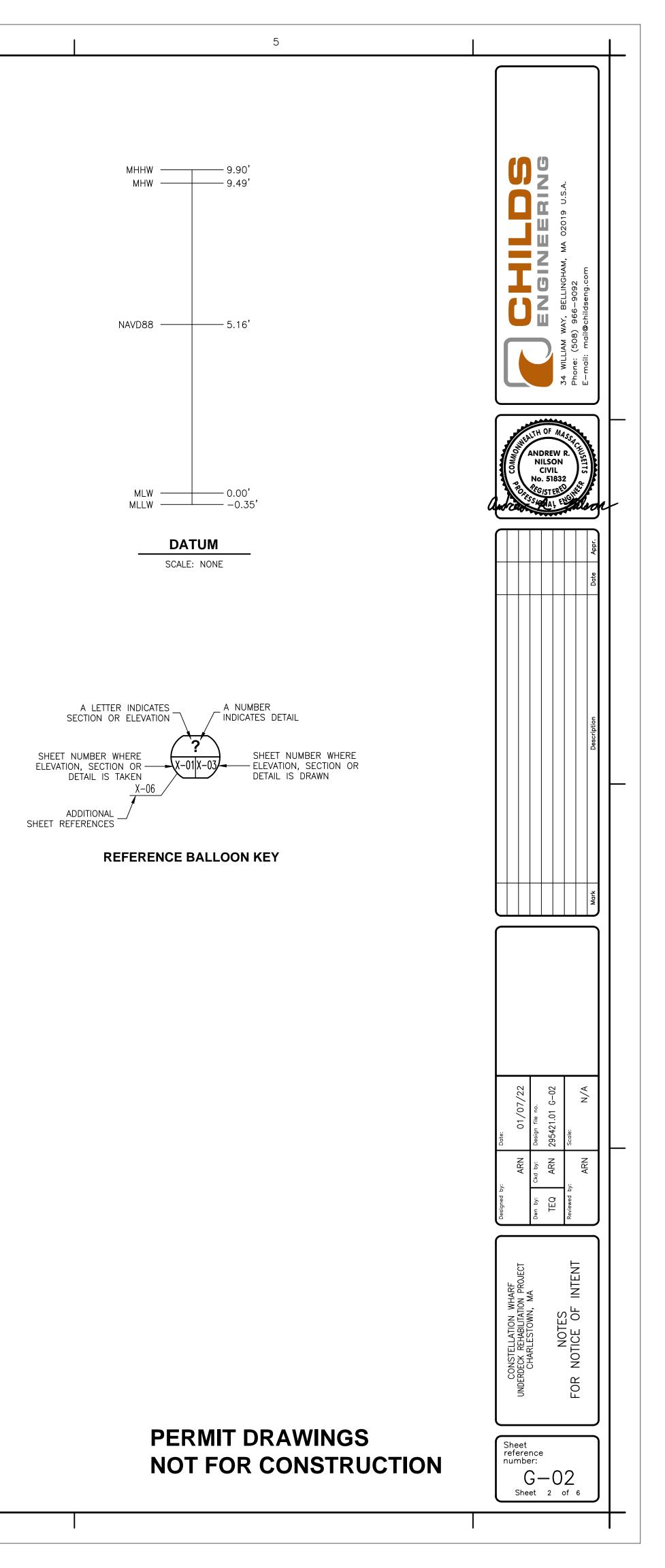
4

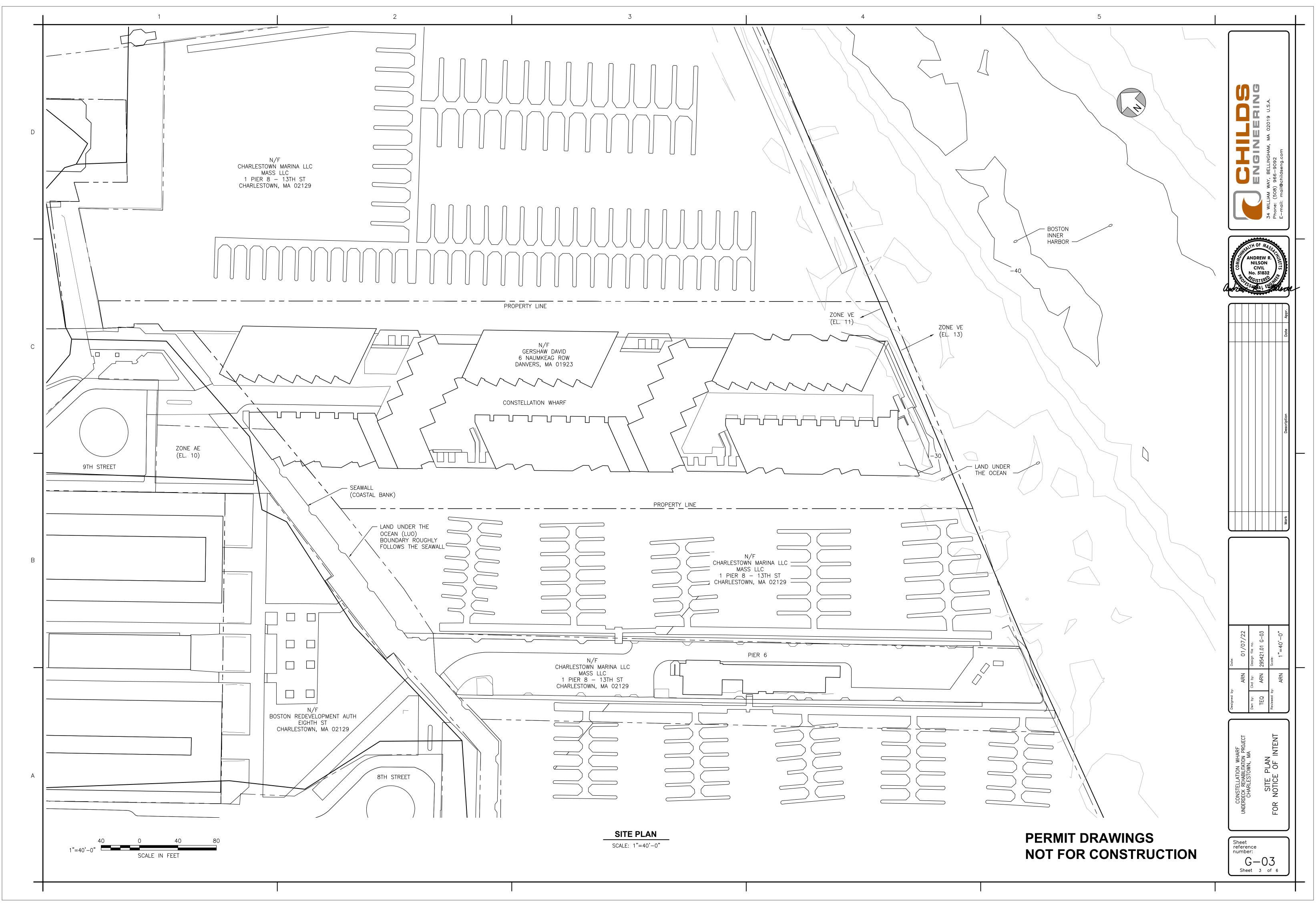
REINFORCING STEEL:

- 1. ALL REINFORCING STEEL WELDING SHALL COMPLY WITH AWS D1.4. AND SHALL CONFORM TO ASTM A615 GRADE 40.
- 2. ALL REINFOCING STEEL SHALL BE EPOXY COATED.
- 3. REINFOCING STEEL SHOP DRAWINGS, WELDING MATERIAL, SAMPLES OF EPOXY COATED BARS, AND CERTIFICATES SHALL BE SUBMITTED TO ENGINEER FOR REVIEW.
- 4. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4.
- 5. SPLICES SHALL BE STAGGERED BY LENGTH OF THE SPLICE OR A MINIMUM OF 6 INCHES.
- 6. NEW REINFORCING STEEL SHALL BE LAP SPLICED OR DOWELED INTO EXISTING CONCRETE.
- 7. LAP SPLICE LENGTHS FOR ALL #8 BARS SHALL BE 41 INCHES.
- 8. EPOXY ANCHORS FOR REINFORCING STEEL DOWELING SHALL BE TYPE IV CONFORMING TO THE REQUIREMENTS OF ASTM C881.
- 9. EPOXY SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- 10. DOWEL HOLES SHALL BE CLEAN AND FREE OF DUST, DEBRIS, AND OIL.
- 11. ALLOWABLE REMAINING DIAMETER OF REINFORCING STEEL SHALL BE ¾" FOR ALL #8 BARS AND ¼" FOR ALL #4 BARS MEASURED AFTER ALL RUST AND COOROSION BY—PRODUCT HAS BEEN CLEANED FROM THE BARS. ANY REINFORCING BAR FOUND TO BE BELOW THESE DIAMETERS SHALL BE REPLACED.
- 12. ALL REINFORCING STEEL REPLACEMENTS SHALL MATCH THE ORIGINAL SIZE.

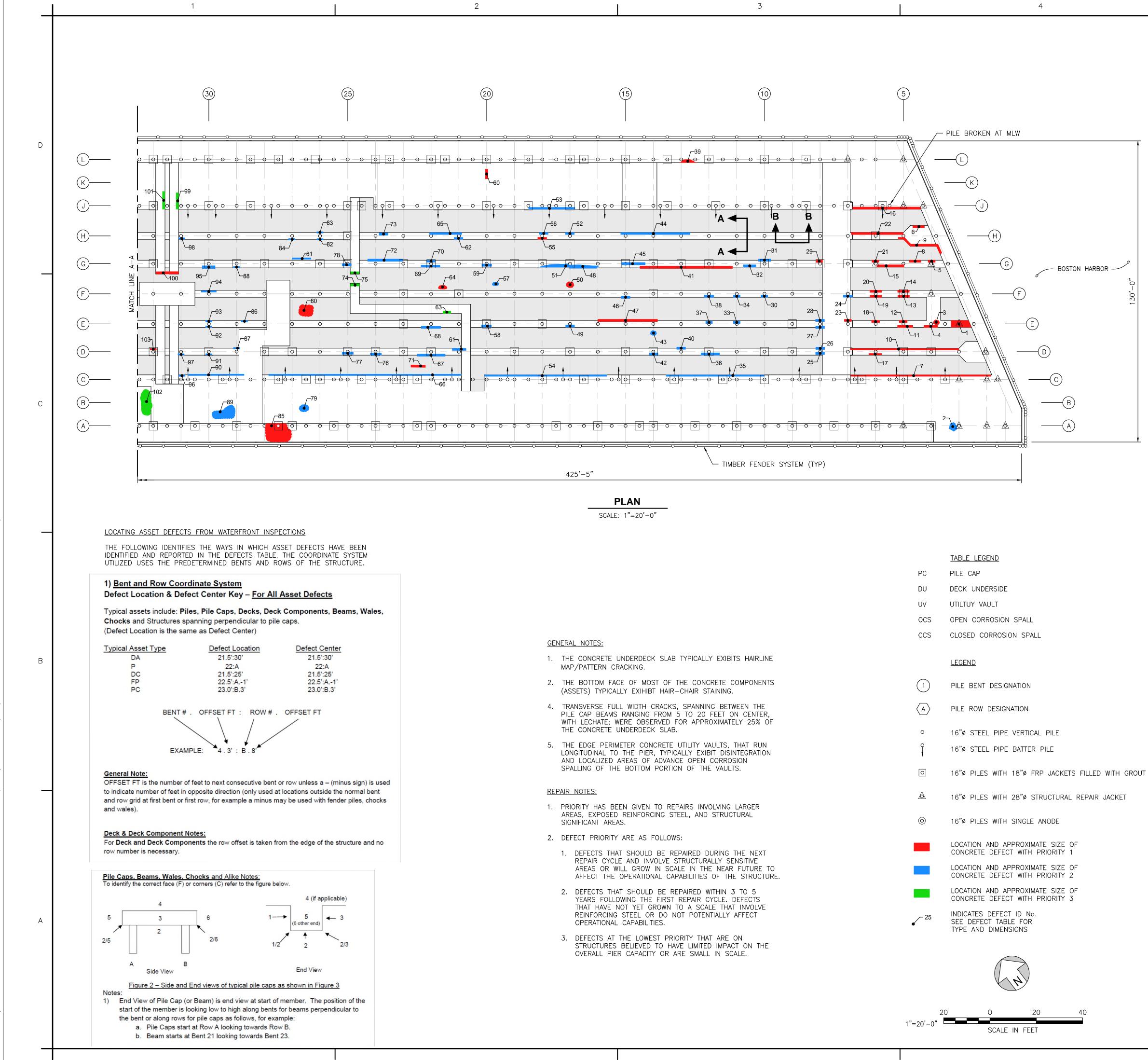
DEMOLITION NOTES:

- 1. DEMOLITION SHALL BE CONDUCTED TO THE EXTENTS OUTLINED IN THESE DRAWINGS AND IN THE SPECIFICATIONS.
- 2. DETERIORATED CONCRETE SHALL BE REMOVED TO EXPOSE SOUND CONCRETE. SOUND CONCRETE SHALL BE DETERMINED IN THE FIELD DURING THE EARLY CONSTRUCTION PERIOD DURING A SITE VISIT BY THE ENGINEER WITH THE CONTRACTOR AND SHALL BE DEFINED FOR THIS PROJECT AS BEING FREE OF LOOSE DEBRIS OR AGGREGATE AND EXHIBITING NO DELAMINATION, DETERIORATE, SCALING, OR OTHER DEFECTS THAT REDUCE THE INTEGRITY OF THE CONCRETE.
- 3. REMOVE CONCRETE A MINIMUM OF 3/4 INCHES CLEAR OF ALL EXPOSED REINFORCING STEEL.
- 4. EDGES OF CHIPPED OUT CONCRETE SHALL BE SAWCUT PERPENDICULAR TO THE CONCRETE SURFACE FOR A MINIMUM OF 1 INCH DEEP. DO NOT SAWCUT THROUGH EXISTING REINFORCING STEEL. SAWCUTS SHALL NOT EXTEND BEYOND THE CHIPPED OUT AREA.
- 5. EXPOSED REINFORCING STEEL SHALL BE CLEANED OF SCALE, RUST, DIRT, OIL, AND OTHER MATERIAL.
- 6. SURFACE BETWEEN EXISTING AND NEW CONCRETE SHALL BE ROUGHENED TO A MINIMUM AMPLITUDE OF 1/4 INCH.





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	TADLE LLOLIND
PC	PILE CAP
DU	DECK UNDERSIDE
UV	UTILTUY VAULT
OCS	OPEN CORROSION SPALL
CCS	CLOSED CORROSION SPALL
	LEGEND
1	PILE BENT DESIGNATION
A	PILE ROW DESIGNATION
0	16"ø STEEL PIPE VERTICAL PILE
Ŷ	16"ø STEEL PIPE BATTER PILE
0	16"ø PILES WITH 18"ø FRP JACKETS FILL
à	16"ø PILES WITH 28"ø STRUCTURAL REPA
0	16"ø PILES WITH SINGLE ANODE
	LOCATION AND APPROXIMATE SIZE OF CONCRETE DEFECT WITH PRIORITY 1
	LOCATION AND APPROXIMATE SIZE OF CONCRETE DEFECT WITH PRIORITY 2
	LOCATION AND APPROXIMATE SIZE OF CONCRETE DEFECT WITH PRIORITY 3
<ul> <li>✓ 25</li> </ul>	INDICATES DEFECT ID No. SEE DEFECT TABLE FOR TYPE AND DIMENSIONS
	N

# PERMIT DRAWINGS **NOT FOR CONSTRUCTION**

4 2 1

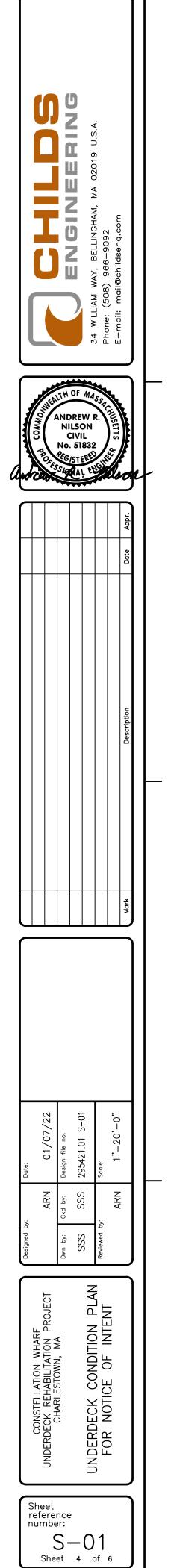
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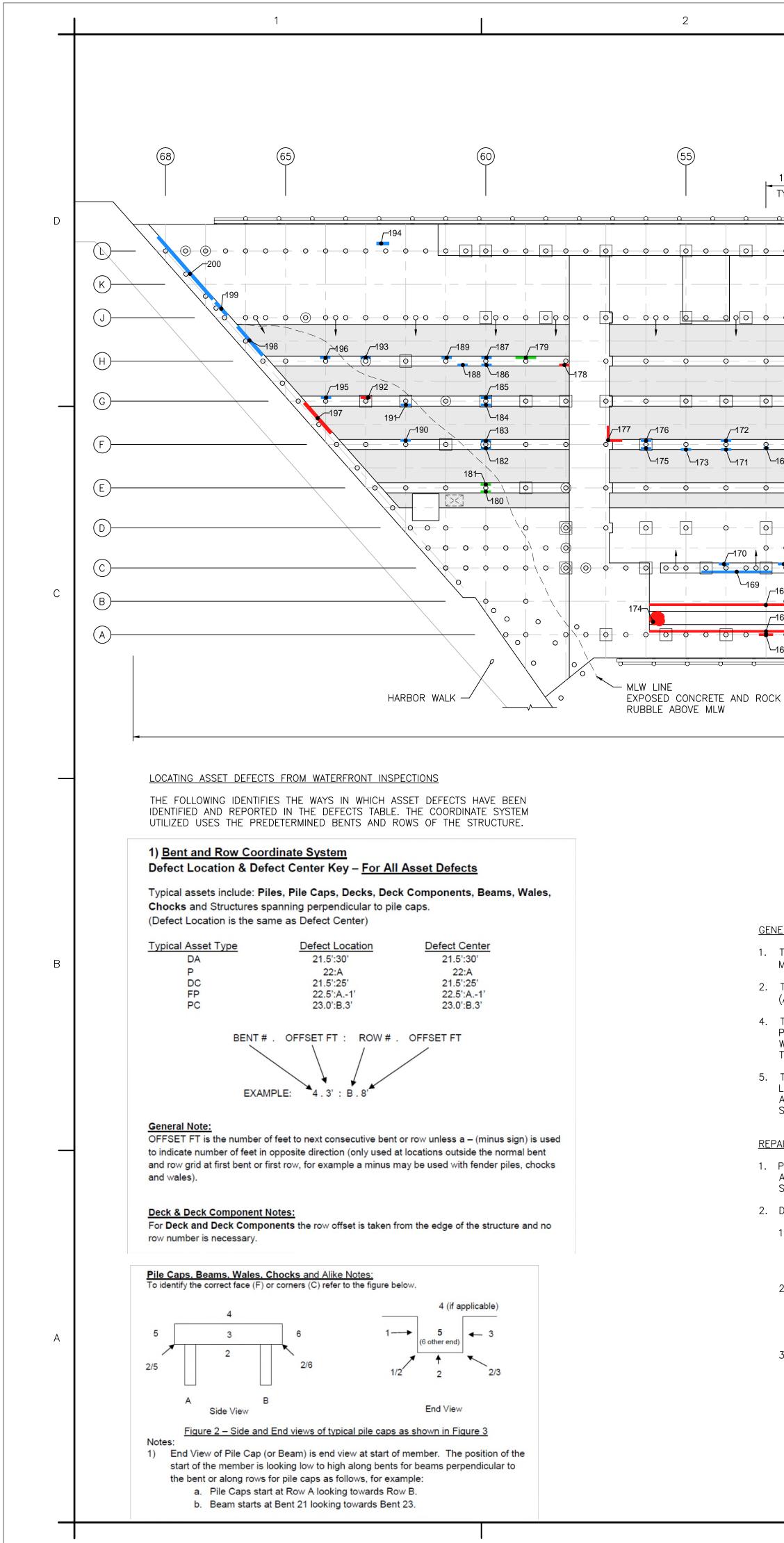
103 1 PC 32:D.2' OCS C2/3

ED.	WITH	G

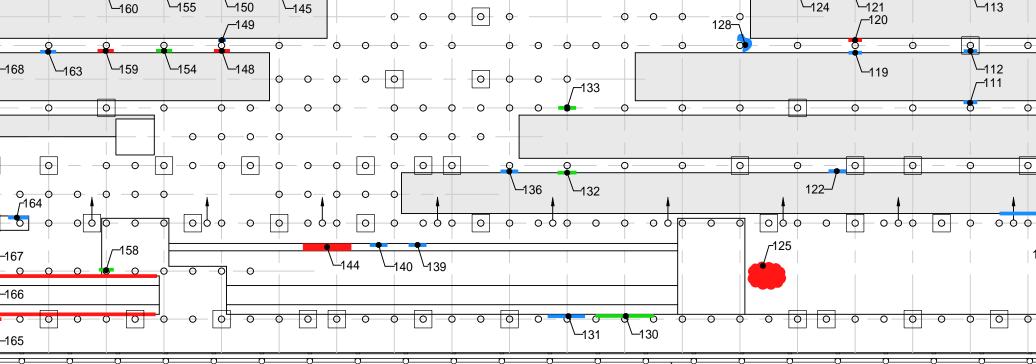
ED	WITH	G

Defect ID No.	Defect Priority	Asset	Defect Center Location	Defect Type	m Sides	Spall Length	Spal I Area		Exposed ReBars (#)	Repair Type	
<b>ID NO.</b> 1	Priority 1	Type PC	3:E	OCS	<b>Sides</b> 1,2,3	(ft) 3	<b>Area</b> 12	(in) 3	<b>(#)</b> 2	A	
2	2	PC	3.2':A	CCS	2		8			А	
3	1	PC	3.10':E.1'	OCS	2		4	1	1	A	
4 5	1	PC PC	4:E2' 4:G.2'	CCS OCS	C1/2 C2/3	5 5	5	3	1	B	
6	1	PC	4.G.2 4.5':H.4'	CCS	C2/3	5	10	3	1	B	
7	1	PC	4.6':C.2'	OCS/CCS	C2/3	60	180		14	B	
8	1	PC	4.6':G.2'	CCS	C2/3	5	5			В	
9	1	PC	4.6':H4'	CCS	C1/2	22	44			В	
10	1	PC	5:D.2'	OCS	C2/3	47	140		30	B	
11 12	1	PC PC	5:E2' 5:E.2'	CCS OCS	C1/2 C2/3	5 3	8	3	1	B	
12	1	PC	5.E.2 5:F2'	OCS	C2/3	3	0 8	3	1	B	
14	1	PC	5:F.2'	OCS	C2/3		8		1	B	
15	1	PC	5.6':G2'	CCS	C1/2	10	20			В	
16	1	PC	5.8':J2'	CCS	C1/2	30	90			В	
17	1	PC	6:D2'	CCS	C1/2		8	_		B	
18 19	1	PC PC	6:E.2' 6:F2'	OCS OCS	C2/3 C1/2	3	8 10	3	1	B	
20	1	PC	6:F.2	OCS	C1/2 C2/3		10		1	B	
21	1	PC	6:G.2'	CCS	C2/3	3	6			B	
22	1	PC	6:H.2'	CCS	C2/3	22	44			B	
23	1	PC	7:E.3'	CCS	C2/3	3	6			В	
24	2	PC	7:F2'	CCS	C1/2	4	8			В	-
25	2	PC	8:D2'	OCS	C1/2		4		1	B	ر
26	2	PC PC	8:D.2' 8:E2'	OCS OCS	C2/3		4		1	B	
27 28	2	PC PC	8:E2' 8:E.2'	CCS	C1/2 C2/3		4		1	B	соммон.
20	∠ 1	PC	8:G.2	OCS	C2/3	3	4 6	3	2	B	<b>S</b>
30	2	PC	10:F2	OCS	C2/3	3	6	2	1	B	
31	2	PC	10:G.2'	CCS	C2/3	4	8			В	
32	2	PC	10.6':G2'		C1/2	6	12	3	1	В	upora
33	2	PC	11:E.2'	CCS	C2/3		3			B	
34	2	PC PC	11:F2' 11.6':C.2'	CCS CCS	C1/2	40	3 84			B	
35 36	2	PC PC	11.6":C.2" 12:D2'	CCS	C2/3 C1/2	42	84 10			B	
37	2	PC	12:D2	CCS	C1/2 C2/3		4			B	
38	2	PC	12:E2'	CCS	C1/2		4			B	
39	1	PC	12.9':L2'	OCS	C1/2	6	18	6	3	В	
40	2	PC	13:D.2'	CCS	3		3			В	
41	1	PC	13:G2'	OCS	C1/2	40	80	2	2	B	
42 43	2	PC DU	14:D2' 14:D.9'	CCS OCS	C1/2		6 3	3	1	B UD	
43	2	PC	14.D.9 14:H.2'	OCS	C2/3	30	60	3	1	B	
45	2	PC	14.6':G	CCS	C2/3	10	20	0	•	A	
46	2	PC	15:F2'	CCS	C1/2		3			В	
47	1	PC	15:E.2'	OCS	C2/3	26	78		8	В	
48	2	PC	16.6':G2'		C1/2	12	12	2	1	В	
49	2	PC	17:E2'	CCS	C1/2		6	0	0	B	
50 51	1 2	DU PC	17:F.4' 17:G2'	OCS OCS	C1/2	28	6 56	3	3	UD B	
51	2	PC	17:G2 17:H.2	CCS	C1/2 C2/3	20	56 3	۷	1	B	
53	2	PC	17.8':J2'	CCS	C1/2	20	40			B	
54	2	PC	18:C.2'	CCS	C2/3	50	150			B	
55	1	PC	18:H2'	OCS	C1/2		3	2	1	В	
56	2	PC	18:H.2'	CCS	C2/3		3			B	
57	2	DU	19.10':F.3'		04/0		2	2	1	UD	
58 59	2 2	PC PC	20:E2' 20:G2'	CCS CCS	C1/2 C1/2		4			B	
59 60	∠ 1	DU	20:G2 20:K.3'	DLM	01/2		4	2	2	UD	
61	2	PC	20.R.3	CCS	C2/3		6	_		B	
62	2	PC	21:H2'	OCS	C1/2		3	2	1	В	
63	3	UV	21.5':E.5'	CCS	C1/2		4			В	
64	1	DU	21.6':F.4'	OCS	_		4	3	2	UD	
65 66	2	PC	21.6':H.2'	CCS	C2/3	14	28			B	
66 67	2	PC PC	22:C.2' 22:D2'	CCS CCS	C2/3 C1/2	83	166 12			B B	
68	2	PC	22:D2 22:E2'	CCS	C1/2		8			B	
69	2	PC	22:G2'	CCS	C1/2		8			B	
70	2	PC	22:G.2'	CCS	C2/3		4			B	
71	1	PC	22.5':C.6'	OCS	C2/3		2	2	1	UD?	
72	2	PC	23.6':G.2'	CCS	C2/3	15	15			B	
73	2	PC	23.6':H.2'	CCS	C2/3	5	5	~	4	B	
74 75	3 3	UV UV	24.7':F.4' 24.7':F.8'	OCS OCS			10 10	2	1	A? A?	
75 76	3	PC	24.7":F.8 24:D2'	CCS	C1/2		10 4	2	I	A? B	
70	2	PC	24.D2 25:D2'	CCS	1		4			B	
78	2	PC	25:G2'	OCS	C1/2		5	2	1	B	
79	2	DU	26.6':B	OCS/CCS			30	2	1	UD	
80	1	DU	26.5':E.6'	OCS			40	3	16	UD	
81	2	PC	26.5':G.2'	CCS	C2/3	8	16			В	
82	2	PC	26:H2'	CCS	C1/2		4			B	
83	2	PC	26:H.2'	CCS	C2/3		4			B	
84 85	2	PC DU	27:H2' 27.7':A5'	CCS OCS	C1/2		3 75	2	1	B UD	Date:
86	2	PC	28.6':E.2'	CCS	C2/3		6	~	•	B	
87	2	PC	29:D.2'	CCS	3		8			B	
88	2	PC	29:G2'	CCS	C1/2		4			В	
89	2	DU	29.5':A.4'	CCS			40			UD	Designed by:
90	2	PC	30:C.2'	CCS	3	25	50			В	signe
91	2	PC	30:D2'	CCS	C1/2		3			B	De
92	2	PC	30:E2'	CCS	C1/2		4			B	
93 94	2	PC PC	30:E.2' 30:F.2'	CCS OCS	C2/3 C2/3	5	6 10		1	B	· .
94 95	2	PC	30:F.2 30:G2'	OCS/CCS	02/3	5 6	10	2	1	B	
95	2	PC	30:G2 31:C.2'	OCS/CCS	C2/3	U	3	۷	1	В	
97	2	PC	31:D2'	CCS	C1/2	5	10		•	B	H H
98	2	PC	31:H2'	CCS	C1/2		3			B	HAH I
99	3	UV	31:J.3'	OCS	C2/3	6	12	3	1	В	
100	1	PC	31.6':F.8'	OCS	C2/3		10	2	1	A?	ELLATION WHARF
101	3	UV	324':J.3'	OCS	C2/3	6	12	3	1	B	
102	3	UV	32:B	OCS/CCS			450		18	UD?	





0



TYP.

425'-5"

PLAN

GENERAL NOTES:

- 1. THE CONCRETE UNDERDECK SLAB TYPICALLY EXIBITS HAIRLINE MAP/PATTERN CRACKING.
- 2. THE BOTTOM FACE OF MOST OF THE CONCRETE COMPONENTS (ASSETS) TYPICALLY EXIHIBT HAIR-CHAIR STAINING.
- 4. TRANSVERSE FULL WIDTH CRACKS, SPANNING BETWEEN THE PILE CAP BEAMS RANGING FROM 5 TO 20 FEET ON CENTER, WITH LECHATE; WERE OBSERVED FOR APPROXIMATELY 25% OF THE CONCRETE UNDERDECK SLAB.
- 5. THE EDGE PERIMETER CONCRETE UTILITY VAULTS, THAT RUN LONGITUDINAL TO THE PIER, TYPICALLY EXIBIT DISINTEGRATION AND LOCALIZED AREAS OF ADVANCE OPEN CORROSION SPALLING OF THE BOTTOM PORTION OF THE VAULTS.

## REPAIR NOTES:

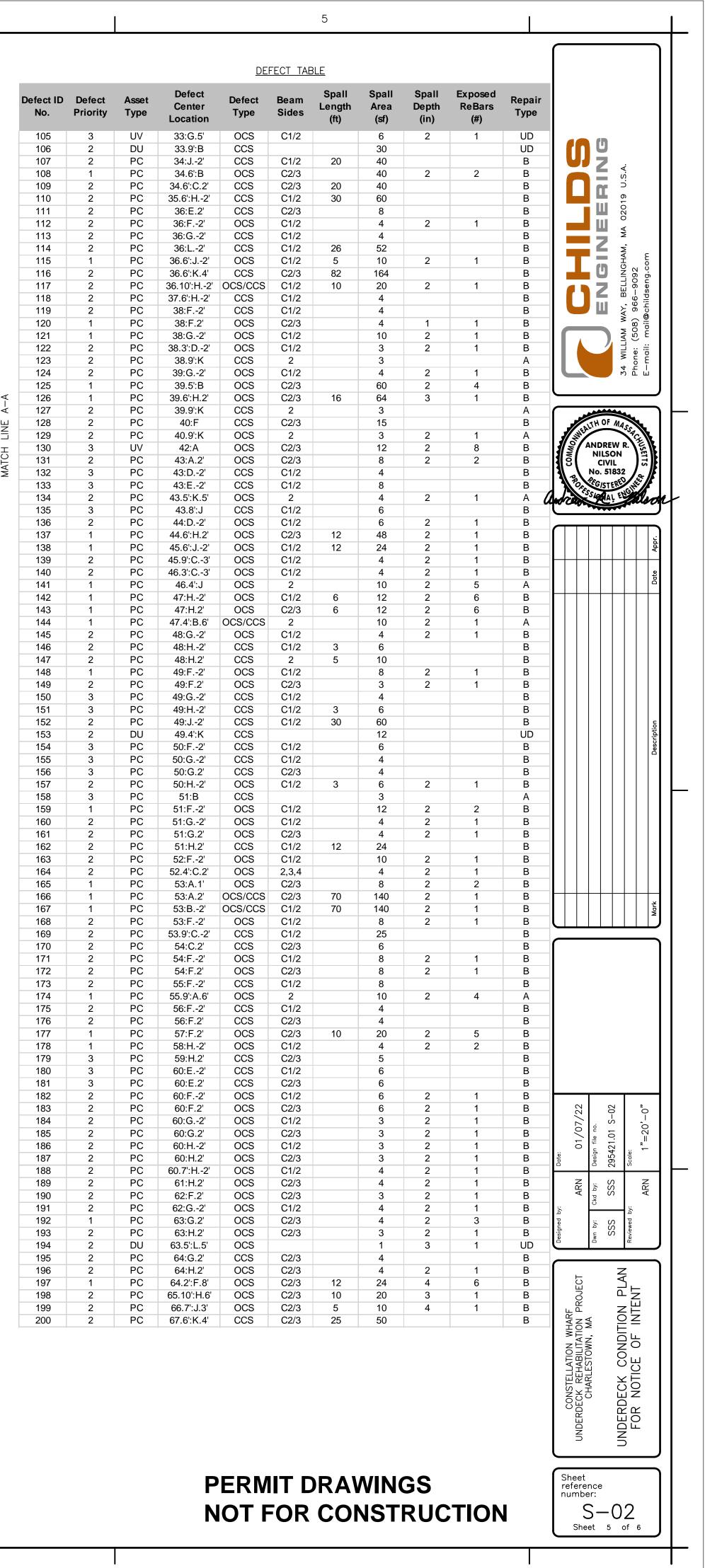
- 1. PRIORITY HAS BEEN GIVEN TO REPAIRS INVOLVING LARGER AREAS, EXPOSED REINFORCING STEEL, AND STRUCTURAL SIGNIFICANT AREAS.
- 2. DEFECT PRIORITY ARE AS FOLLOWS:
- 1. DEFECTS THAT SHOULD BE REPAIRED DURING THE NEXT REPAIR CYCLE AND INVOLVE STRUCTURALLY SENSITIVE AREAS OR WILL GROW IN SCALE IN THE NEAR FUTURE TO AFFECT THE OPERATIONAL CAPABILITIES OF THE STRUCTURE.
- 2. DEFECTS THAT SHOULD BE REPAIRED WITHIN 3 TO 5 YEARS FOLLOWING THE FIRST REPAIR CYCLE. DEFECTS THAT HAVE NOT YET GROWN TO A SCALE THAT INVOLVE REINFORCING STEEL OR DO NOT POTENTIALLY AFFECT OPERATIONAL CAPABILITIES.
- 3. DEFECTS AT THE LOWEST PRIORITY THAT ARE ON STRUCTURES BELIEVED TO HAVE LIMITED IMPACT ON THE OVERALL PIER CAPACITY OR ARE SMALL IN SCALE.
- CONCRETE DEFECT WITH PRIORITY 1 LOCATION AND APPROXIMATE SIZE OF CONCRETE DEFECT WITH PRIORITY 2 LOCATION AND APPROXIMATE SIZE OF CONCRETE DEFECT WITH PRIORITY 3 INDICATES DEFECT ID No. - 25 SEE DEFECT TABLE FOR TYPE AND DIMENSIONS
- 20 1"=20'-0 SCALE IN FEET
- PC PILE CAP DECK UNDERSIDE DU UTILTUY VAULT UV OCS OPEN CORROSION SPALL CCS CLOSED CORROSION SPALL <u>LEGEND</u> PILE BENT DESIGNATION  $\langle A \rangle$ PILE ROW DESIGNATION 16"ø STEEL PIPE VERTICAL PILE 16"Ø STEEL PIPE BATTER PILE 0 16"ø PILES WITH 18"ø FRP JACKETS FILLED WITH GROUT 16"Ø PILES WITH 28"Ø STRUCTURAL REPAIR JACKET 16"Ø PILES WITH SINGLE ANODE LOCATION AND APPROXIMATE SIZE OF
- TIMBER FENDER SYSTEM (TYP)

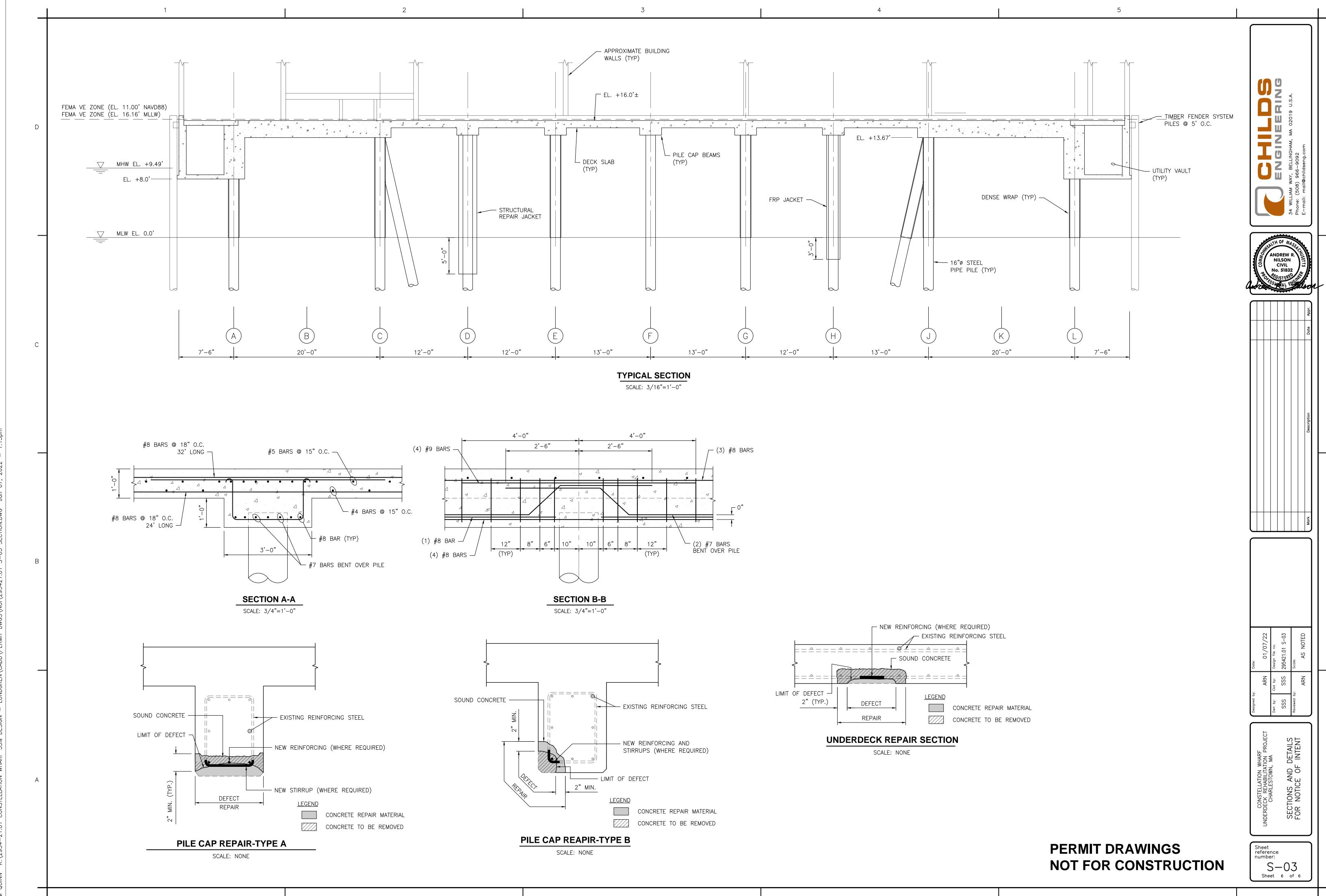
<u>TABLE LEGEND</u>

<u>–</u>127 <u>–</u>123

-118

<u>117</u>







## **APPENDIX B**

## **Abutters List and Notification Forms**

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Charlestown Naval Shipyard Park I (Shipyard Park)

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#### TRANSLATION CERTIFICATE

I, Muneebur Rahman, certify to the best of my knowledge and belief that the following is a true and accurate translation of the below-mentioned document(s) from English to Chinese completed under my supervision this 14th day of December, 2021.

Description of document(s): Boston Conservation Notification to Abutters - Constellation Wharf

Number of pages: 3 Including --Translation certificate: 1 page Translation: 1 page(s) Source: 1 page(s)

SIGNATURE



On this 14th day of December, 2021, before me, the undersigned notary public, personally appeared Muneebur Rahman who proved to me through satisfactory evidence of identification, which was Massachusetts driver's license, to be the person who signed the above statement in my presence.

NOTARY PUBLIC'S SIGNATURE & SEAL

KRISTAL M. PADILLA Notary Public Commonwealth of Massachusetts My Commission Expires December 18, 2026

info@merrimacktranslations.com



Boston Conservation Notification to Abutters For Constellation Wharf Translated to Simplified Chinese

> "对支撑波士顿港星座码头(7号码头)产权公寓的现有码头 结构进行维修。维修工作将包括对甲板下上部结构的孤立区域 进行少量混凝土修复。"



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Boston Conservation Notification to Abutters For Constellation Wharf Translated to Simplified Chinese

Text for translation:

"making repairs to the existing pier structure that supports the condominiums at Constellation Wharf (Pier 7) on the Boston Harbor. The repairs shall consist of minor concrete restoration to isolated areas of the underdeck superstructure."





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### CITY of **BOSTON**

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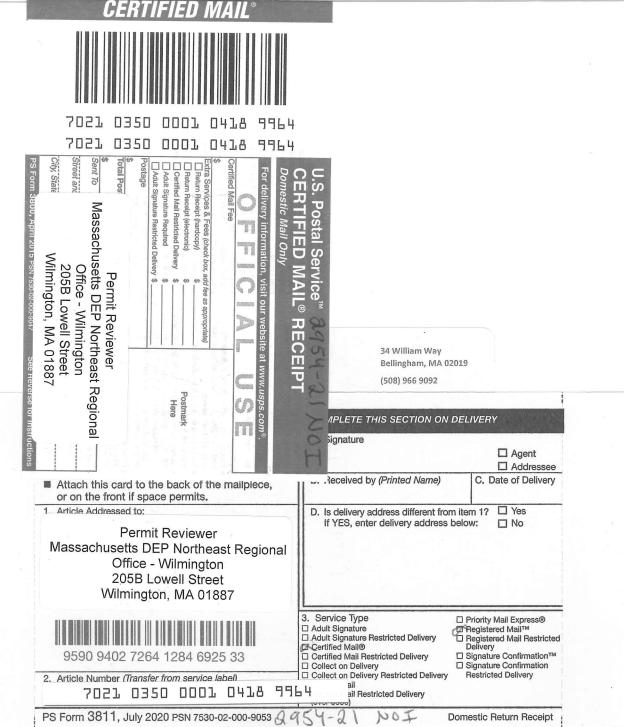
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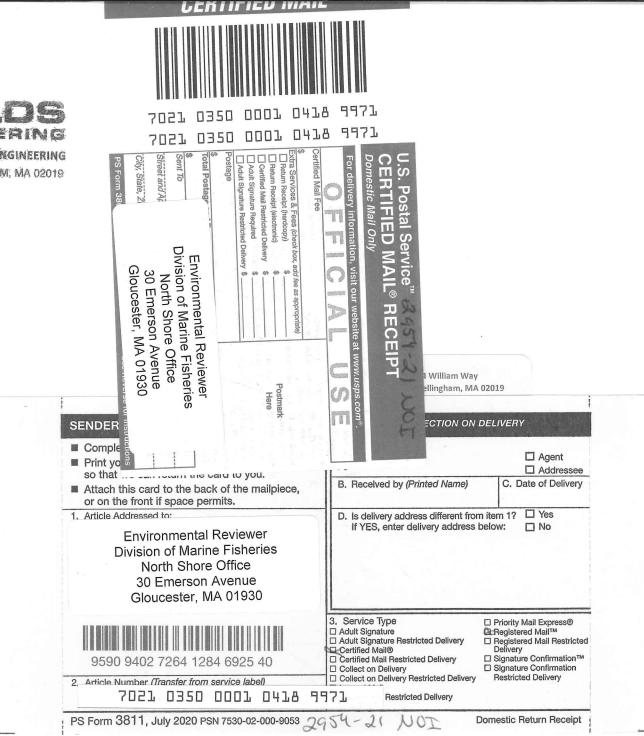


### **CITY** of **BOSTON**



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