

NOTICE OF INTENT

Crane Painting Program
Conley Terminal
Boston, Massachusetts

MPA Contract No. M249-C1



Prepared for



Massachusetts Port Authority

April 7, 2021

Prepared by



Building Strong Client Relationships Through Engineering Excellence



GREEN INTERNATIONAL AFFILIATES, INC.

239 LITTLETON ROAD, SUITE 3 WESTFORD, MA 01886

T: (978) 923-0400 | F: (978) 399-0033 | WWW.GREENINTL.COM

April 7, 2021

Mr. Nicholas Moreno, Executive Director
Boston Conservation Commission
1 City Hall Square, Room 709
Boston, MA 02201

**Subject: Notice of Intent Submittal
Crane Painting Program at Conley Terminal
Massport Contract # M249-C1
City of Boston**

Dear Mr. Moreno:

On behalf of the Massachusetts Port Authority (Massport), Green International Affiliates, Inc. is pleased to submit the enclosed Notice of Intent (NOI) to the Boston Conservation Commission pursuant to the Massachusetts Wetlands Protection Act (WPA) Regulations for work within Land Subject to Coastal Storm Flowage (LSCSF) and 100-foot Buffer Zone to the Coastal Bank. This NOI is being submitted for the purpose of receiving an Order of Conditions under the Massachusetts WPA for the proposed work within these resource areas.

This project consists of removal of existing structural paint, performing necessary repairs as needed and repainting of the four (4) existing Conley Terminal Ship-to-Shore cranes. The proposed construction activities will not extend into the water and there will no change in surface topography, and mitigation measures will be implemented to prevent impacts to adjacent resource areas. The proposed project will not change impervious area on the site and is categorized as a "redevelopment project" under the Massachusetts Stormwater Management Standards. The project therefore is designed to meet the Standards to the maximum extent practicable. The project will not change the land cover nor drainage patterns; therefore, only a Stormwater Memo is provided to demonstrate compliance with the Standards.

Please note, that Massport is exempt from local legislation as established in Section 2 of Massport's Enabling Act at "CHAPTER 465 OF THE ACTS OF 1956 AS AMENDED THROUGH AUGUST 7, 2010".

Enclosed are the following items included with this submission:

- Check for \$237.50 made out to the Commonwealth of MA (Category 2)
- Check for \$1,500.00 made out to the City of Boston, per Boston Conservation Commission fee schedule
- 2 copies of the NOI Report (includes Stormwater Memorandum and Checklist)
- 2 reduced size (11x17) set of drawings
- 1 electronic copy of the NOI Report (includes Stormwater Memorandum) and plans via email to cc@boston.gov.

As required by regulations, one (1) copy of the above submittal is being provided concurrently to the Massachusetts DEP Northeast Office.

Mr. Nicholas Moreno, Executive Director
April 7, 2021

We respectfully request that this project be placed on the Conservation Commission agenda for the hearing scheduled on April 21, 2021. Should you have any questions regarding this submittal, please do not hesitate to contact me.

Very Truly Yours,

Green International Affiliates, Inc.



Danielle H. Spicer, P.E.
Stormwater and Permitting Group Leader

cc: DEP – Northeast Region
Evan Lowell, TranSystems
Peter DeBruin, Massport

Project File: 19085

F:\Projects\2019\19085\DOCS\PERMITS\NOI\19085_NOI Submittal Letter.Docx

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- APPENDIX C – Stormwater Memorandum and Checklist
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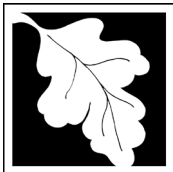
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NOTICE OF INTENT FORMS

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Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Boston

City/Town

Important:

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



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

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>700 Summer Street</u>	<u>Boston</u>	<u>02127</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>42°20'30"N</u>	<u>71°01'17"W</u>	
d. Latitude	e. Longitude	
<u>06034</u>	<u>17000</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Peter</u>	<u>DeBruin</u>	
a. First Name	b. Last Name	
<u>Massachusetts Port Authority</u>		
c. Organization		
<u>One Harborside Drive, Suite 200S</u>		
d. Street Address		
<u>East Boston</u>	<u>MA</u>	<u>02128</u>
e. City/Town	f. State	g. Zip Code
<u>617-568-3583</u>	<u>pdebruin@massport.com</u>	
h. Phone Number	i. Fax Number	j. Email Address

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

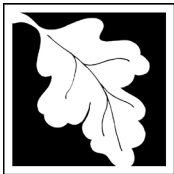
<u></u>	<u></u>	
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>Danielle</u>	<u>Spicer</u>	
a. First Name	b. Last Name	
<u>Green International Affiliates, Inc.</u>		
c. Company		
<u>239 Littleton Road, Suite 3</u>		
d. Street Address		
<u>Westford</u>	<u>MA</u>	<u>01886</u>
e. City/Town	f. State	g. Zip Code
<u>(978) 923-0400</u>	<u>(978) 399-0033</u>	<u>dspicer@greenintl.com</u>
h. Phone Number	i. Fax Number	j. Email address

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

<u>\$500.00</u>	<u>\$237.50</u>	<u>N/A (see cover letter)</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Massport proposes the limited repairs necessary to ensure safety and durability of the Ship-to-Shore cranes located at Conley Terminal, 700 Summer Street, in South Boston, MA. This project consists of removal of existing structural paint, performing necessary repairs as needed and repainting of the four (4) existing Conley Terminal Ship-to-Shore cranes. (see Project Narrative for details)

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Suffolk	
a. County	b. Certificate # (if registered land)
44161	301
c. Book	d. Page Number

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

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

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



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

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify 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: _____ square feet

4. Proposed alteration of the Riverfront Area:

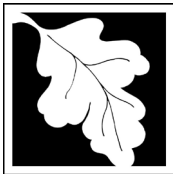
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
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5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

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

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



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

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

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input checked="" type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	4,000 (temporary)	
	1. square feet	

4. Restoration/Enhancement
 If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

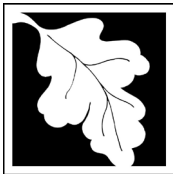
a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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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 No **If yes, include proof of mailing or hand delivery of NOI to:**

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

- 2017
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:

(a) within wetland Resource Area _____
percentage/acreage

(b) outside Resource Area _____
percentage/acreage

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

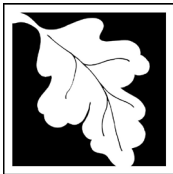
2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

(a) Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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

- (c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/ mesa/ mesa_fee_schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

- (d) Vegetation cover type map of site
- (e) Project plans showing Priority & Estimated Habitat boundaries
- (f) OR Check One of the Following
1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/ mesa/ mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
 2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____
 3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only b. Yes No

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

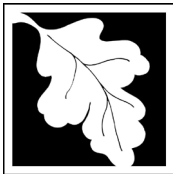
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

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

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



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

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

- 4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC

- 5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
- 6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
- 7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 - 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 - 2. A portion of the site constitutes redevelopment
 - 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 - 1. Single-family house
 - 2. Emergency road repair
 - 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

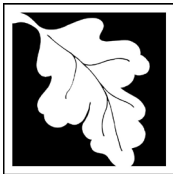
D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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

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

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



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D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

S01 Site Plan & General Notes

a. Plan Title

Green International Affiliates, Inc.

To Be Determined

b. Prepared By

c. Signed and Stamped by

As Noted

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. 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:

TBD

4/7/2021

2. Municipal Check Number

3. Check date

TBD

4/7/2021

4. State Check Number

5. Check date

Green International Affiliates, Inc.

6. Payor name on check: First Name

7. Payor name on check: Last Name



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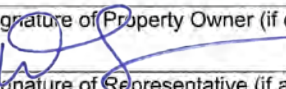
Boston

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.

	4/2/21
1. Signature of Applicant	2. Date
3. Signature of Property Owner (if different)	4. Date
	4/5/2021
5. Signature of Representative (if any) Danielle Spicer, P.E.	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:

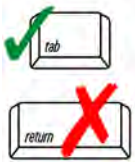
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.



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

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



A. Applicant Information

1. Location of Project:

700 Summer Street Boston
 a. Street Address b. City/Town

_____ _____

c. Check number d. Fee amount

_____ _____

2. Applicant Mailing Address:

Peter DeBruin
 a. First Name b. Last Name

Massachusetts Port Authority
 c. Organization

One Harborside Drive, Suite 200S
 d. Mailing Address

Boston MA 02128
 e. City/Town f. State g. Zip Code

617-568-3552 jstolecki@massport.com
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

_____ _____
 a. First Name b. Last Name

c. Organization

d. Mailing Address

_____ _____ _____
 e. City/Town f. State g. Zip Code

_____ _____ _____
 h. Phone Number i. Fax Number j. Email Address

B. Fees

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

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

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

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

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

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

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

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

1.0 PROJECT DESCRIPTION

This Notice of Intent Application has been prepared for the limited repairs necessary to ensure safety and durability of the Ship-to-Shore cranes located at Conley Terminal, 700 Summer Street, in South Boston, MA. (See Figure 1 – USGS Locus Map and Figure 2 – Aerial Locus Map). This project consists of removal of existing structural paint, performing necessary repairs as needed and repainting of the four (4) existing Conley Terminal Ship-to-Shore cranes. The proposed construction activities will not extend into the water, and mitigation measures will be implemented to prevent impacts to adjacent resource areas. The proposed project will not change impervious area on the site and is categorized as a “redevelopment project” under the Massachusetts Stormwater Management Standards. The project therefore is designed to meet the Standards to the maximum extent practicable.

Conley Terminal site located at the Port of Boston and operated by the Massachusetts Port Authority (Massport) is the single full-service container terminal in New England, moving around 1.5 million metric tons of cargo annually. Due to significant growth in container volume over the past few years, there is a need to repair and paint the existing cranes to ensure their safety, durability, and efficient operations.

This Notice of Intent (NOI) is being submitted to the Boston Conservation Commission pursuant to the Massachusetts Wetlands Protection Act (WPA) Regulations for work within the Land Subject to Coastal Storm Flowage and within the 100-foot Buffer Zone of the Coastal Bank.

1.1 EXISTING CONDITIONS

The existing Conley Terminal site is located at the Port of Boston and generally consists of impervious areas (buildings, parking lots, roads, sidewalks, and other roadway related features) with some small landscaped areas.

There are six existing low-profile Ship-to-Shore cranes at Conley Terminal, and they are numbered #1 through #6 from west to east. Cranes #3 through #6 are currently operational, however, they require occasional repairs, removal of the existing paint and installation of the new painting system as part of the painting program subject to this Application. No demolition of the old cranes and/or construction of the new cranes are proposed under this project.

As part of a separate ongoing project, not covered by this Application, Cranes #1 and #2, which are near the end of their useful life, are proposed to be demolished and the three new Ship-to-Shore cranes will be constructed.

The project site is located within Land Subject to Coastal Storm Flowage associated with the Reserved Channel on the northern side of the project parcel. (See Figure 3 – FEMA Map). Runoff from the site is currently collected via catch basins and an existing drainage system on-site.

1.2 PROPOSED CONDITIONS

The proposed project includes removal of existing structural paint, implementation of limited steel repairs of Ship-to-Shore cranes prior to the repainting of the cranes and repainting of the four (4) existing Conley Terminal Ship-to-Shore cranes to ensure safety and durability of the Ship-to-Shore cranes. The painting

process will include areas of cleaning and overcoating of the existing paint as well as areas of full depth removal of the existing paint and repainting. The proposed activities will not result in any alteration to Land Subject to Coastal Storm Flowage since there will no change in surface topography. The proposed project is located entirely within existing paved areas and will not alter the drainage patterns or land cover.

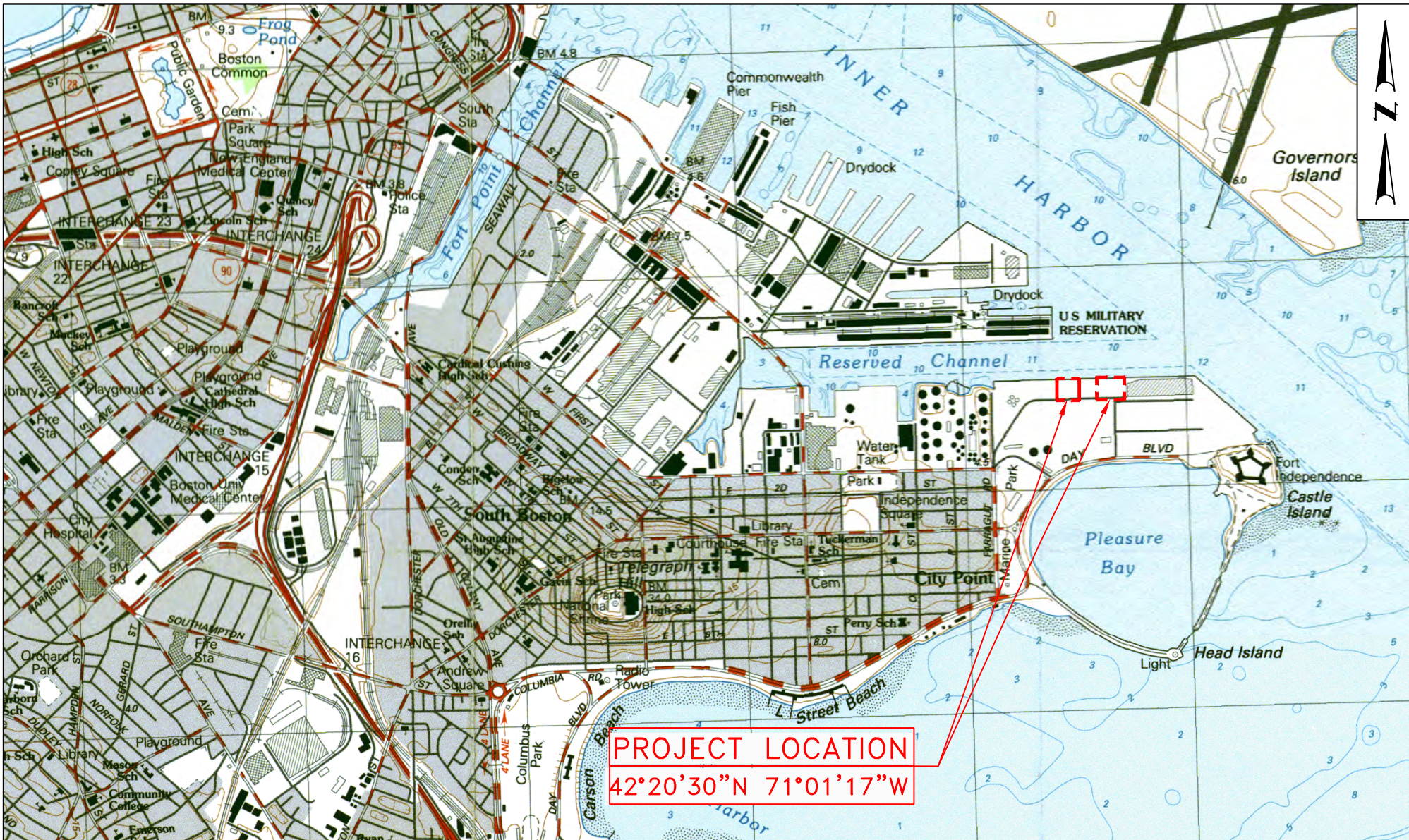
Inspection and analysis of current structural conditions to identify areas of concern and structural deficiencies was performed by TranSystems in June 2020. The analysis of the existing paint on the cranes was performed by KTA-Tator in March 2020. The Report concluded that the existing coatings contain Zinc/Epoxy/Urethane and there are lead and other low concentrations of metals present. These coatings are considered hazardous material and will be disposed of at a designated landfill as required by the applicable Local, State and Federal regulations.

The Cranes #3 though #6 are proposed to be operational while the repair, removal of the paint and painting work will take place. The work will be staged such that the disruptions to Maritime Operations are minimized. The removal of the paint and painting work on the Cranes will comply with all necessary standards to ensure that the proposed work does not result in an impact to the surrounding resource areas. The proposed “sky blue” paint color will minimize the visual impacts of the cranes to the local South Boston community. It is anticipated that the project will be performed over a 16 month timeframe.

1.3 PROJECT PLAN LIST

The following plan sheets are included with this Notice of Intent:

<u>Sheet</u>	<u>Title</u>	<u>Prepared By</u>	<u>Date</u>
S01	Site Plan & General Notes	TranSystems	07/08/2020



PROJECT LOCATION
 42°20'30"N 71°01'17"W

LEGEND:

 APPROXIMATE LIMIT OF WORK

SCALE IN FEET



ELEVATIONS IN METERS

NOTE: MAP INFORMATION TAKEN FROM MASSGIS

USGS LOCUS MAP

CRANE PAINTING PROGRAM – CONLEY TERMINAL

700 SUMMER STREET, BOSTON, MA

PREPARED BY:



GREEN INTERNATIONAL AFFILIATES, INC.
 CIVIL AND STRUCTURAL ENGINEERS
 239 LITTLETON RD, WESTFORD, MA (978) 923-0400
 24 ALBION RD, LINCOLN, RI (401) 305-7895

PREPARED FOR:



SCALE: AS NOTED

PROJECT NO. 19085

DATE: 06/23/2020

DRAWN BY: OF

REVISED:

CHECKED BY: DS

FIGURE
1

F:\Projects\2019\19085\DWG\FIGS\Environmental\Figure 2 - AERIAL.dwg



LEGEND:

 APPROXIMATE LIMIT OF WORK

SCALE IN FEET



ELEVATIONS IN METERS

NOTE: MAP INFORMATION TAKEN FROM MASSGIS

AERIAL MAP

CRANE PAINTING PROGRAM – CONLEY TERMINAL
700 SUMMER STREET, BOSTON, MA

PREPARED BY:



GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS
239 LITTLETON RD, WESTFORD, MA (978) 923-0400
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PREPARED FOR:



SCALE: AS NOTED

PROJECT NO. 19085

DATE: 06/23/2020

DRAWN BY: OF

REVISED:

CHECKED BY: DS

FIGURE 2



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
 The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equal or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently derelictified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with creepage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% Annual Chance Floodplain Boundary
 0.2% Annual Chance Floodplain Boundary
 Floodway boundary
 Zone D boundary
 CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
 Limit of Moderate Wave Action
 Limit of Moderate Wave Action coincident with Zone Break

513
 Base Flood Elevation line and value; elevation in feet*
 (EL 987)
 Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A A Cross section line
 23 23 Transect line
 Culvert
 Bridge

45° 02' 08", 93° 02' 12"
 Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
 4988000 M 1000-meter grid; Massachusetts State Plane Mercator Zone (EPS Zone 2004), Lambert Conformal Conic projection
 49° 59' 00" N 1000-meter Universal Transverse Mercator tick values, zone 19N
 Dk5510 X Bench mark (see explanation in Notes to Users section of this FIRM pane)

MAP REPOSITORIES
 Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
 September 25, 2009

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
 March 16, 2016 - to change Base Flood Elevations and Special Flood Hazard Areas, to change zone designations, to update the effects of wave action, to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision and to modify Coastal Barrier Resources System units

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-8826.

LEGEND:

 APPROXIMATE LIMIT OF WORK

SCALE IN FEET




NOTE:
 THE FLOOD ONE DATA SHOWN IS TAKEN FROM THE FEDERAL INSURANCE RATE MAPS (FIRM) FOR THE CITY OF BOSTON, MA. (FIRM COMMUNITY PANELS 25025C0084J AND 25025C0082J, DATED MARCH 16, 2016)

FEMA MAP

CRANE PAINTING PROGRAM – CONLEY TERMINAL

700 SUMMER STREET, BOSTON, MA

PREPARED BY:



GREEN INTERNATIONAL AFFILIATES, INC.
 CIVIL AND STRUCTURAL ENGINEERS
 239 LITTLETON RD, WESTFORD, MA (978) 923-0400
 24 ALBION RD, LINCOLN, RI (401) 305-7895

PREPARED FOR:



SCALE: AS NOTED

PROJECT NO. 19085

DATE: 06/22/2020

DRAWN BY: OF

REVISED:

CHECKED BY: DS

FIGURE
3

2.0 RESOURCE AREAS

2.1 WETLAND RESOURCE AREAS

The Wetland Resource Areas on the Project Site are regulated under Federal, State and Local regulatory programs including:

- Section 404 of the Clean Water Act (CWA) which is administered by the U.S. Army Corps of Engineers (ACOE)
- Section 401 of the CWA which is overseen by the Massachusetts Department of Environmental Protection (DEP)
- Massachusetts Wetlands Protection Act (WPA) and 310 CMR 10.00 which is administered by the Local Conservation Commission or (upon appeal) by DEP
- The City of Boston has its own local Wetlands Ordinance (Massport is exempt from this local Ordinance)

The project site is located within Lands Subject to Coastal Storm Flowage (LSCSF) and within the 100-foot Buffer Zone of the Coastal Bank. The LSCSF areas are identified on Figure 3 – FEMA Map, attached to this application and are further described below.

2.1.1 *Land Subject to Coastal Storm Flowage*

The project is located within the 100-year flood plain as shown on the Flood Insurance Rate Map (FIRM) for the City of Boston, Massachusetts, Panel No. 2502860084J, dated March 16, 2016. The flood plain area is shown on Figure 3 – FEMA Map. As this area is coastal, the flood plain is referred to as Land Subject to Coastal Storm Flowage (LSCSF).

2.1.2 *Buffer Zone*

There is a 100-foot Buffer Zone to a Coastal Bank associated with the Reserved Channel. Within the project site the Buffer Zone consists of paved impervious surfaces. The portion of the project site is located within the 100-foot Buffer Zone.

2.2 PROJECT IMPACTS

The project has been designed to avoid resource area impacts to the maximum extent practicable and will mitigate unavoidable resource area impacts in accordance with state regulations.

2.2.1 *Direct Impacts*

The proposed work will be located within the Land Subject to Coastal Storm Flowage (LSCSF) and 100-foot Buffer Zones of a Coastal Bank associated with the Reserved Channel. No direct impacts to the resource areas are anticipated since the project activities will be conducted above ground and are temporary in nature. No other resource areas are affected by the project.

2.2.2 Temporary Impacts

Temporary impacts to resource areas during construction of the project will be located within the Land Subject to Coastal Storm Flowage (LSCSF) and 100-foot Buffer Zone of a Coastal Bank associated with the Reserved Channel. Work will be above ground, therefore temporary impacts are associated with the construction equipment access to cranes and placement of the containment system that captures paint and materials used and generated during the paint removal process.

Lands Subject to Coastal Storm Flowage (LSCSF)

The project is located within the 100-year flood plain as shown on the Flood Insurance Rate Map (FIRM) for the City of Boston, Massachusetts, Panel No. 2502860084J, dated March 16, 2016. The project is designed to provide necessary repairs as needed to ensure safety and durability of the Ship-to-Shore cranes #3 through #6, including areas of cleaning and overcoating of the existing paint as well as areas of full depth removal of the existing paint and repainting. These improvements are not expected to result in alterations to LSCSF since the proposed activities will not alter the surface topography. There are no performance standards for work within LSCSF.

Buffer Zone

A portion of the project site is located within the 100-foot Buffer Zone of the Coastal Bank associated with the Reserved Channel. Erosion and sediment control Best Management Practices (BMPs) will be installed during construction to protect adjacent resource areas. These BMPs ensure the land disturbance within the Buffer Zone does not negatively impact resource areas and will secure their protection. The temporary impacts to the Buffer Zone will be the same as those for LSCSF, as the buffer zone extends over the portion of the LSCSF area.

2.2.3 Stormwater Management

Stormwater management for this project has been designed in compliance with the Stormwater Management Standards as outlined in 310 CMR 10.05(6)(k) through (q) and defined in detail in the DEP's Stormwater Management Handbook.

As the proposed project is categorized as a "Redevelopment Project" under the DEP Massachusetts Stormwater Management Standards, it is therefore designed to meet the Standards to the maximum extent practicable. A stormwater memo is attached as Appendix C to this NOI report demonstrating the compliance of the project with the ten MassDEP Stormwater Standards.

2.2.4 Rare Species

The project site is not located within any areas designated as an Estimated Habitat of Rare Wildlife and a Priority Habitat of Rare Species by the Natural Heritage & Endangered Species Program (NHESP) 2008 Maps. There are no Certified or Potential Vernal Pools within the project area.

2.2.5 Water Quality

Per MassGIS online data mapping, the subject resource areas are not classified as Outstanding Resource Waters, according to the Massachusetts Surface Water Quality Standards.

2.2.6 Area of Critical Environmental Concern

Per MassGIS online data mapping, the project site is not located within an Area of Critical Environmental Concern (ACEC).

2.2.7 Mitigation Measures

Erosion and Sediment Control

Erosion and sediment controls are not proposed for this project as all work will occur on existing pavement which will remain intact. The contract documents require a containment system that captures all paint and materials used and generated during the paint removal process and prevents any migration of material to the water. The Contractor will be required to contain all airborne grit or dust. All debris, materials, dust and grit shall be contained by draping the work area or by other approved means and shall be collected, contained and removed for offsite disposal at a permitted facility. If the Engineer determines that adequate protective measures are not being employed, the work shall be suspended until adequate protection is provided. All shielding/scaffolding/containment utilized by the Contractor shall be adequate for the expected loads. The Contractor shall be fully responsible for the safety of the work operations at all times. (see the attached Stormwater Management Memo in Appendix C of this report)

All hazardous waste material will be disposed of by the Contractor in the manner specified by Local, State, and/or Federal regulations and by the manufacturer of such products. (see the attached Construction Period Pollution Prevention Memo in Appendix D of this report)



APPENDIX A – PHOTOS





Photo Log

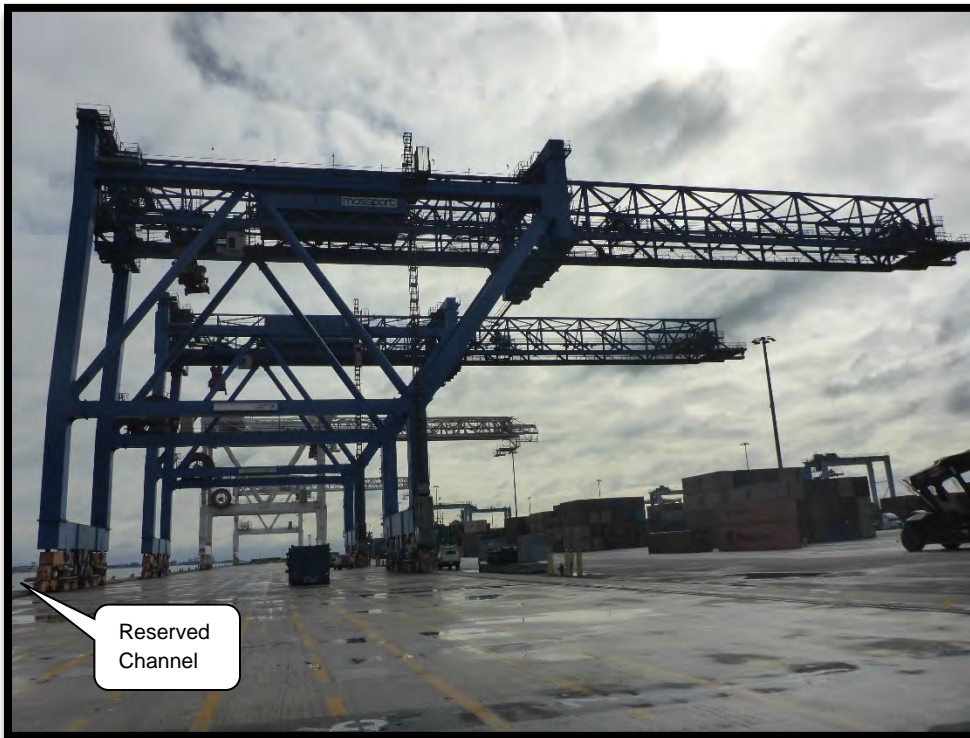


Photo 01 – View looking north at the Cranes #3 – #6



Photo 02 – View looking south at the Cranes #6 – #3

APPENDIX B – ABUTTER INFORMATION

- ***Abutters List***
 - ***Abutter Notification***
 - ***Affidavit of Service***
-
-
-

Abutters List - 300 feet from 20 Farragut Road, Boston, MA 02127

PID	OWNER	ADDRESSEE	MLG_ADDRESS	MLG_CITYSTATE	MLG_ZIPCODE	LOC_ADDRESS	LOC_CITY	LOC_ZIPCODE
603411000	MASSACHUSETTS PORT	MASSACHUSETTS PORT	ONE HARBORSIDE DR STE-200S	EAST BOSTON MA	02128	800 - 900 E FIRST ST	SOUTH BOSTON	02127
603411010	MASSACHUSETTS PORT AUTHORITY	MASSACHUSETTS PORT AUTHORITY	ONE HARBORSIDE DR	EAST BOSTON MA	02128	E FIRST ST	SOUTH BOSTON	02127
603412000	MASS PORT AUTHORITY	MASS PORT AUTHORITY	ONE HARBORSIDE DR #200S	E BOSTON MA	02128	920 E FIRST ST	SOUTH BOSTON	02127
603413000	CITY OF BOSTON	CITY OF BOSTON	FARRAGUT RD	SOUTH BOSTON MA	02127	FARRAGUT RD	SOUTH BOSTON	02127
603415000	COMMONWLTH OF MASS	COMMONWLTH OF MASS	1889 WM J DAY BLVD	SOUTH BOSTON MA	02127	1889 WILLIAM J DAY BL	SOUTH BOSTON	02127
603416000	COMMONWLTH OF MASS	COMMONWLTH OF MASS	FARRAGUT RD	SOUTH BOSTON MA	02127	FARRAGUT RD	SOUTH BOSTON	02127
603417000	COMMWLTH OF MASS	COMMWLTH OF MASS	20 FARRAGUT RD	SOUTH BOSTON MA	02127	20 FARRAGUT RD	SOUTH BOSTON	02127
603418000	COMMONWLTH OF MASS	COMMONWLTH OF MASS	WM J DAY BLVD	SOUTH BOSTON MA	02127	WILLIAM J DAY BL	SOUTH BOSTON	02127
603418001	COMMWLTH OF MASS	COMMWLTH OF MASS	WM J DAY BLVD	SOUTH BOSTON MA	02127	WILLIAM J DAY BL	SOUTH BOSTON	02127
603418002	COMMWLTH OF MASS	COMMWLTH OF MASS	CASTLE ISLAND TRM27	SOUTH BOSTON MA	02127	CASTLE ISLAND TERMINAL	SOUTH BOSTON	02127
603418030	SULLIVAN DANIEL F LEASEE	SULLIVAN DANIEL F LEASEE	24 CABOT ST	MILTON MA	02186	WILLIAM J DAY BL	SOUTH BOSTON	02127
603902000	TWENTY7 FARRAGUT RD RLTY TS	TWENTY7 FARRAGUT RD RLTY TS	404 S HUNTINGTON AV	JAMAICA PLAIN MA	02130	27 29 31 FARRAGUT RD	SOUTH BOSTON	02127
603924000	ADMIRAL FARRAGUT LLC	ADMIRAL FARRAGUT LLC	60 K ST	SOUTH BOSTON MA	02127	P ST	SOUTH BOSTON	02127



**NOTIFICATION TO ABUTTERS
BOSTON CONSERVATION COMMISSION**

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. **Massachusetts Port Authority** has filed a Notice of Intent with the Boston Conservation Commission seeking permission to alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, section 40) and Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is **700 Summer Street in South Boston, MA 02127.**

C. The project involves **work associated with limited structural repairs necessary to ensure safety and durability of the Ship-to-Shore cranes, including removal of paint and repainting of Cranes #3 through #6, located at 700 Summer Street in South Boston, MA.**

D. Copies of the Notice of Intent may be obtained by contacting the Boston Conservation Commission at CC@boston.gov.

E. Copies of the Notice of Intent may be obtained from **Green International Affiliates, Inc.** by emailing dspicer@greenintl.com or calling (978) 923-0400 between the hours of 9 AM to 4 PM, Monday through Friday.

F. In accordance with the Commonwealth of Massachusetts Executive Order Suspending Certain Provisions of the Open Meeting Law, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing CC@boston.gov or calling (617) 635-3850 between the hours of 9 AM to 5 PM, Monday through Friday.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald**.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on www.boston.gov/public-notices and in Boston City Hall not less than forty-eight (48) hours in advance.

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

AFFIDAVIT OF SERVICE
Under the Massachusetts Wetlands Protection Act

I, Danielle Spicer, hereby certify, under the pains and penalties of perjury, that on April 7, 2021, I provided notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the **DEP Guide to Abutter Notification** dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by Massachusetts Port Authority (Massport), with the City of Boston Conservation Commission on April 7, 2021, for the work associated with limited steel repairs necessary to ensure safety and durability of the Ship-to-Shore cranes, including removal of paint and repainting of Cranes #3 through #6, located at 700 Summer Street in South Boston, MA.

The form of notification, and a list of the abutters to whom it was given and their addresses, are attached to this Affidavit of Service.



Signature – Danielle Spicer

4/7/2021

Date



APPENDIX C – STORMWATER MEMORANDUM AND CHECKLIST





MEMORANDUM

To: City of Boston Conservation Commission Members
Cc: Evan Lowell, TranSystems
Peter DeBruin, Massachusetts Port Authority
Project File: 19085
From: Danielle Spicer, P.E. Green
Date: July 8, 2020
Project: Crane Painting Program at Conley Terminal, City of Boston (Green No. 19085)
Subject: Stormwater Memo – Crane Painting Program at Conley Terminal, City of Boston

Massachusetts Port Authority proposes limited structural repairs necessary to ensure safety and durability of the Ship-to-Shore cranes located at 700 Summer Street in South Boston, MA. This project consists of removal of existing structural paint, performing necessary repairs as needed and repainting of the four (4) existing Conley Terminal Ship-to-Shore cranes.

The work proposed is within the jurisdiction of the Wetland Protection Act (WPA) and as such a Notice of Intent (NOI) is being submitted. As part of the NOI submission, stormwater mitigation must be addressed. This memo is being submitted to address the ten standards outlined in the Massachusetts Stormwater handbook, last revised January 2008, and how the project is meeting them.

The project will result in no change in impervious area and this project represents a “Redevelopment” under the MassDEP Stormwater Management Standards and therefore subject to meet Standards 2, 3, 4, 5 and 6 to the maximum extent practicable. This memo is organized into sections that correspond to the categories listed in the “Massachusetts Stormwater Report Checklist”. The Checklist is included as an Appendix to this report.

PROJECT BACKGROUND

The work associated with limited repairs and painting of the Cranes #3 through #6 is located within a coastal area. All work will be conducted above ground and will result in no change in impervious area in the site, therefore stormwater calculations were not included with this project. The existing land within the limit of work is pavement and the proposed land will remain pavement; the runoff will not change under proposed conditions. In addition, since the project is located in a coastal area *this Standard may be waived for discharges to land subject to coastal storm flowage as defined in 310 CMR 10.04* as noted on page 5 in Volume I, Chapter 1 of the MA Stormwater Standards. This waiver was checked off in the checklist that was included in the NOI.

PROJECT COMPLIANCE WITH MASSACHUSETTS STORMWATER STANDARDS

1. NO NEW STORMWATER CONVEYANCES (E.G. OUTFALLS) MAY DISCHARGE UNTREATED STORMWATER DIRECTLY TO OR CAUSE EROSION IN WETLANDS OR WATERS OF THE COMMONWEALTH.

The proposed project will not result in any new discharges. The proposed project will not alter drainage patterns or land coverage, since all work will be conducted above ground. Runoff under proposed conditions will continue to discharge through existing catch basins throughout the site.

2. **STORMWATER MANAGEMENT SYSTEMS SHALL BE DESIGNED SO THAT POST-DEVELOPMENT PEAK DISCHARGE RATES DO NOT EXCEED PRE-DEVELOPMENT PEAK DISCHARGE RATES. THIS STANDARD MAY BE WAIVED FOR DISCHARGES TO LAND SUBJECT TO COASTAL STORM FLOWAGE AS DEFINED IN 310 CMR 10.04.**

This project does not involve any increase in impervious surface. The post-development runoff will be equal to pre-development runoff. In addition, the site is located within land subject to coastal storm flowage; therefore meeting peak rate attenuation is unnecessary and a waiver is requested.

3. **LOSS OF ANNUAL RECHARGE TO GROUNDWATER SHALL BE ELIMINATED OR MINIMIZED THROUGH THE USE OF INFILTRATION MEASURES INCLUDING ENVIRONMENTALLY SENSITIVE SITE DESIGN, LOW IMPACT DEVELOPMENT TECHNIQUES, STORMWATER BEST MANAGEMENT PRACTICES, AND GOOD OPERATION AND MAINTENANCE. AT A MINIMUM, THE ANNUAL RECHARGE FROM THE POST-DEVELOPMENT SITE SHALL APPROXIMATE THE ANNUAL RECHARGE FROM PRE-DEVELOPMENT CONDITIONS BASED ON SOIL TYPE. THIS STANDARD IS MET WHEN THE STORMWATER MANAGEMENT SYSTEM IS DESIGNED TO INFILTRATE THE REQUIRED RECHARGE VOLUME AS DETERMINED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK.**

This project is a redevelopment project and needs to meet Standard 3 to the maximum extent practicable. This project results in no increase of impervious area. Therefore, there will be no loss of annual recharge to groundwater.

4. **STORMWATER MANAGEMENT SYSTEMS SHALL BE DESIGNED TO REMOVE 80% OF THE AVERAGE ANNUAL POST-CONSTRUCTION LOAD OF TOTAL SUSPENDED SOLIDS (TSS). THIS STANDARD IS MET WHEN:**
 - a) **Suitable practices for source control and pollution prevention are identified in a long-term pollution prevention plan, and thereafter are implemented and maintained;**
 - b) **Structural stormwater best management practices are sized to capture the required water quality volume determined in accordance with the Massachusetts Stormwater Handbook; and**
 - c) **Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.**

Long term operation and maintenance activities will be performed by Massport.

To meet the requirements of Standard No. 4, a redevelopment project must achieve the best practicable degree of treatment for redeveloped areas. Under existing conditions, stormwater runoff is from the paved terminal lot, which will not change under proposed conditions. All work will be conducted above ground.

5. **FOR LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS, SOURCE CONTROL AND POLLUTION PREVENTION SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK TO ELIMINATE OR REDUCE THE DISCHARGE OF STORMWATER RUNOFF FROM SUCH LAND USES TO THE MAXIMUM EXTENT PRACTICABLE. IF THROUGH SOURCE CONTROL AND/OR POLLUTION PREVENTION ALL LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS CANNOT BE COMPLETELY PROTECTED FROM EXPOSURE TO RAIN, SNOW, SNOW MELT, AND STORMWATER RUNOFF, THE PROPONENT SHALL USE THE SPECIFIC STRUCTURAL STORMWATER BMPS DETERMINED BY THE DEPARTMENT TO BE SUITABLE FOR SUCH USES AS PROVIDED IN THE MASSACHUSETTS STORMWATER HANDBOOK. STORMWATER DISCHARGES FROM LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS SHALL ALSO COMPLY WITH THE REQUIREMENTS OF THE MASSACHUSETTS CLEAN WATERS ACT, M.G.L. C.**

21, §§ 26-53 AND THE REGULATIONS PROMULGATED THEREUNDER AT 314 CMR 3.00, 314 CMR 4.00 AND 314 CMR 5.00.

The project site is considered a Land Use with Higher Potential Pollutant Loads (LUHPPL) therefore this Standard does apply; however, since no changes to the existing stormwater system are proposed and all work will be conducted above ground this standard is not applicable.

- 6. STORMWATER DISCHARGES WITHIN THE ZONE II OR INTERIM WELLHEAD PROTECTION AREA OF A PUBLIC WATER SUPPLY, AND STORMWATER DISCHARGES NEAR OR TO ANY OTHER CRITICAL AREA, REQUIRE THE USE OF THE SPECIFIC SOURCE CONTROL AND POLLUTION PREVENTION MEASURES AND THE SPECIFIC STRUCTURAL STORMWATER BEST MANAGEMENT PRACTICES DETERMINED BY THE DEPARTMENT TO BE SUITABLE FOR MANAGING DISCHARGES TO SUCH AREAS, AS PROVIDED IN THE MASSACHUSETTS STORMWATER HANDBOOK. A DISCHARGE IS NEAR A CRITICAL AREA IF THERE IS A STRONG LIKELIHOOD OF A SIGNIFICANT IMPACT OCCURRING TO SAID AREA, TAKING INTO ACCOUNT SITE-SPECIFIC FACTORS. STORMWATER DISCHARGES TO OUTSTANDING RESOURCE WATERS AND SPECIAL RESOURCE WATERS SHALL BE REMOVED AND SET BACK FROM THE RECEIVING WATER OR WETLAND AND RECEIVE THE HIGHEST AND BEST PRACTICAL METHOD OF TREATMENT. A “STORM WATER DISCHARGE” AS DEFINED IN 314 CMR 3.04(2)(A)1 OR (B) TO AN OUTSTANDING RESOURCE WATER OR SPECIAL RESOURCE WATER SHALL COMPLY WITH 314 CMR 3.00 AND 314 CMR 4.00. STORMWATER DISCHARGES TO A ZONE I OR ZONE A ARE PROHIBITED UNLESS ESSENTIAL TO THE OPERATION OF A PUBLIC WATER SUPPLY.**

The project site is not within a stormwater critical area and therefore Standard 6 is not applicable.

- 7. A REDEVELOPMENT PROJECT IS REQUIRED TO MEET THE FOLLOWING STORMWATER MANAGEMENT STANDARDS ONLY TO THE MAXIMUM EXTENT PRACTICABLE: STANDARD 2, STANDARD 3, AND THE PRETREATMENT AND STRUCTURAL BEST MANAGEMENT PRACTICE REQUIREMENTS OF STANDARDS 4, 5, AND 6. EXISTING STORMWATER DISCHARGES SHALL COMPLY WITH STANDARD 1 ONLY TO THE MAXIMUM EXTENT PRACTICABLE. A REDEVELOPMENT PROJECT SHALL ALSO COMPLY WITH ALL OTHER REQUIREMENTS OF THE STORMWATER MANAGEMENT STANDARDS AND IMPROVE EXISTING CONDITIONS.**

This project is considered a Redevelopment project; however, since all work will be done above ground and no changes are proposed to the existing stormwater system, a Redevelopment Checklist is not applicable.

- 8. A PLAN TO CONTROL CONSTRUCTION-RELATED IMPACTS INCLUDING EROSION, SEDIMENTATION AND OTHER POLLUTANT SOURCES DURING CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (CONSTRUCTION PERIOD EROSION, SEDIMENTATION, AND POLLUTION PREVENTION PLAN) SHALL BE DEVELOPED AND IMPLEMENTED.**

No erosion controls and sediment controls are proposed for this project as all work will be above ground. A containment system that captures paint and materials used and generated during the paint removal process will be required. The Contractor is notified that it is unacceptable for any grit or dust to escape the work area in a visible cloud or plume. The Contractor is also notified that it is unacceptable for any materials or debris to fall into the water or wharf areas below the cranes. All debris, materials, dust and grit shall be contained by draping the work area or by other approved means and shall be collected and removed from the work. If the authority determines that adequate protective devices are not employed, the work shall be suspended until adequate protection is provided. All shielding/scaffolding/containment utilized by the Contractor shall be adequate for the expected loads. The Contractor shall be fully responsible for the safety of the work operations at all times. As the site will not disturb more than one acre of land during the construction process, a National Pollutant Discharge Elimination System (NPDES) Stormwater Permit will not be required.

9. A LONG-TERM OPERATION AND MAINTENANCE PLAN SHALL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT STORMWATER MANAGEMENT SYSTEMS FUNCTION AS DESIGNED.

All disturbances for this project do not affect present stormwater management functions, therefore this Standard is not applicable.

10. ALL ILLICIT DISCHARGES TO THE STORMWATER MANAGEMENT SYSTEM ARE PROHIBITED.

All illicit discharges to the stormwater management system are prohibited. The project is not proposing any changes to utilities on-site. To the best of our knowledge, there are no known illicit discharges and this Standard is not applicable.

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Illicit Discharge Compliance Statement

Per Standard 10 of the Massachusetts Stormwater Handbook, the following is an Illicit Discharge Compliance Statement:

The design plans submitted for the Notice of Intent have been designed in full compliance with current standards.

The Long-Term Pollution Prevention Plan is part of the Operation and Maintenance Plan and includes measures to prevent illicit discharges. There are no known combined sewer outfalls and to the best of our knowledge all existing closed stormwater systems discharge per Massachusetts DEP requirements. There is no new stormwater proposed as part of this project. To the best of my knowledge the site does not contain any known existing illicit discharges.

Registered Professional Engineer Block and Signature



Signature and Date

4/9/2021



Checklist for Stormwater Report

A. Introduction

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



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the [Massachusetts Stormwater Handbook](#). The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.¹ This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8²
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

¹ The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

² For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.



Checklist for Stormwater Report

B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

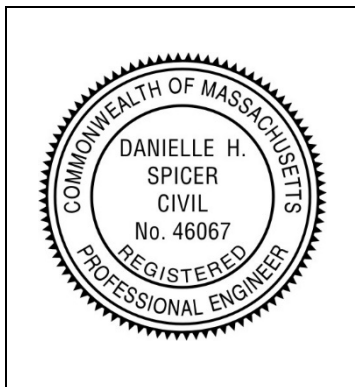
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature




Signature and Date

4/5/2021

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

- New development
- Redevelopment
- Mix of New Development and Redevelopment



Checklist for Stormwater Report

Checklist (continued)

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- No disturbance to any Wetland Resource Areas
- Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- Reduced Impervious Area (Redevelopment Only)
- Minimizing disturbance to existing trees and shrubs
- LID Site Design Credit Requested:
 - Credit 1
 - Credit 2
 - Credit 3
- Use of "country drainage" versus curb and gutter conveyance and pipe
- Bioretention Cells (includes Rain Gardens)
- Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- Treebox Filter
- Water Quality Swale
- Grass Channel
- Green Roof
- Other (describe): _____

Standard 1: No New Untreated Discharges

- No new untreated discharges
- Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.



Checklist for Stormwater Report

Checklist (continued)

Standard 2: Peak Rate Attenuation

- Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.
- Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.
- Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

- Soil Analysis provided.
- Required Recharge Volume calculation provided.
- Required Recharge volume reduced through use of the LID site Design Credits.
- Sizing the infiltration, BMPs is based on the following method: Check the method used.
 - Static
 - Simple Dynamic
 - Dynamic Field¹
- Runoff from all impervious areas at the site discharging to the infiltration BMP.
- Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume.
- Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:
 - Site is comprised solely of C and D soils and/or bedrock at the land surface
 - M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
 - Solid Waste Landfill pursuant to 310 CMR 19.000
 - Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.
- Calculations showing that the infiltration BMPs will drain in 72 hours are provided.
- Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

¹ 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



Checklist for Stormwater Report

Checklist (continued)

Standard 3: Recharge (continued)

- The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
 - Provisions for storing materials and waste products inside or under cover;
 - Vehicle washing controls;
 - Requirements for routine inspections and maintenance of stormwater BMPs;
 - Spill prevention and response plans;
 - Provisions for maintenance of lawns, gardens, and other landscaped areas;
 - Requirements for storage and use of fertilizers, herbicides, and pesticides;
 - Pet waste management provisions;
 - Provisions for operation and management of septic systems;
 - Provisions for solid waste management;
 - Snow disposal and plowing plans relative to Wetland Resource Areas;
 - Winter Road Salt and/or Sand Use and Storage restrictions;
 - Street sweeping schedules;
 - Provisions for prevention of illicit discharges to the stormwater management system;
 - Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
 - Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
 - List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.
- A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
 - Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:
 - is within the Zone II or Interim Wellhead Protection Area
 - is near or to other critical areas
 - is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
 - involves runoff from land uses with higher potential pollutant loads.
 - The Required Water Quality Volume is reduced through use of the LID site Design Credits.
 - Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.



Checklist for Stormwater Report

Checklist (continued)

Standard 4: Water Quality (continued)

- The BMP is sized (and calculations provided) based on:
 - The ½" or 1" Water Quality Volume or
 - The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
- The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
- A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

- The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.
- The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted **prior to** the discharge of stormwater to the post-construction stormwater BMPs.
- The NPDES Multi-Sector General Permit does **not** cover the land use.
- LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
- All exposure has been eliminated.
- All exposure has **not** been eliminated and all BMPs selected are on MassDEP LUHPPL list.
- The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas

- The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
- Critical areas and BMPs are identified in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

- The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:
 - Limited Project
 - Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
 - Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
 - Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
 - Bike Path and/or Foot Path
 - Redevelopment Project
 - Redevelopment portion of mix of new and redevelopment.
- Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.
- The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
 - Construction Period Operation and Maintenance Plan;
 - Names of Persons or Entity Responsible for Plan Compliance;
 - Construction Period Pollution Prevention Measures;
 - Erosion and Sedimentation Control Plan Drawings;
 - Detail drawings and specifications for erosion control BMPs, including sizing calculations;
 - Vegetation Planning;
 - Site Development Plan;
 - Construction Sequencing Plan;
 - Sequencing of Erosion and Sedimentation Controls;
 - Operation and Maintenance of Erosion and Sedimentation Controls;
 - Inspection Schedule;
 - Maintenance Schedule;
 - Inspection and Maintenance Log Form.
- A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

- The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has **not** been included in the Stormwater Report but will be submitted **before** land disturbance begins.
- The project is **not** covered by a NPDES Construction General Permit.
- The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.
- The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

- The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:
 - Name of the stormwater management system owners;
 - Party responsible for operation and maintenance;
 - Schedule for implementation of routine and non-routine maintenance tasks;
 - Plan showing the location of all stormwater BMPs maintenance access areas;
 - Description and delineation of public safety features;
 - Estimated operation and maintenance budget; and
 - Operation and Maintenance Log Form.
- The responsible party is **not** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:
 - A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
 - A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

- The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
- An Illicit Discharge Compliance Statement is attached;
- NO Illicit Discharge Compliance Statement is attached but will be submitted **prior to** the discharge of any stormwater to post-construction BMPs.



***APPENDIX D – CONSTRUCTION PERIOD POLLUTION
PREVENTION MEMO***





MEMORANDUM

To: City of Boston Conservation Commission Members
Cc: Evan Lowell, TranSystems
Peter DeBruin, Massachusetts Port Authority
Project File: 19085
From: Danielle Spicer, P.E.; Green International Affiliates, Inc. (Green)
Date: July 8, 2020
Project: Crane Painting Program at Conley Terminal, City of Boston (Green No. 19085)
Subject: Construction Period Pollution Prevention

CONSTRUCTION PERIOD POLLUTION PREVENTION

1.0 GOOD HOUSEKEEPING BMPS

The following good housekeeping practices will be followed onsite during the construction project:

- An effort will be made to store only enough product required to do the job
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible under a roof or other enclosure
- Products will be kept in their original containers with the original manufacturer's label
- Substances will not be mixed with one another unless recommended by the manufacturer
- Whenever possible, all of a product will be used up before disposing of the container
- Manufacturer's recommendations for proper use and disposal will be followed
- The site superintendent will inspect daily to ensure proper use and disposal of materials
- The contractor will be required in the Contract documents to control dust.

2.0 MATERIAL HANDLING & WASTE MANAGEMENT

Hazardous Products:

These practices will be used to reduce the risks associated with hazardous materials. Material Safety Data Sheets (MSDSs) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product they are using, particularly regarding spill control techniques.

- Products will be kept in original containers unless they are not re-sealable
- Original labels and material safety data will be retained; they contain important product information
- If surplus product must be disposed of, manufacturer's or local and State recommended methods for proper disposal will be followed

Hazardous Waste

All hazardous waste material will be disposed of by the Contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed.

Solid and Construction Wastes

All waste materials will be collected and stored in accordance with state and federal law in an appropriately covered container and/or securely lidded metal dumpster.

All trash and construction debris from the site will be deposited in the dumpster. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal.

All waste dumpsters and roll-off containers will be located in an area where the likelihood of the containers contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

Sanitary Wastes

All sanitary waste will be collected from the portable units as required to maintain proper operation and sanitary conditions of these units. All maintenance work on portable sanitation units shall be performed by a licensed portable facility provider in complete compliance with local and state regulations.

All sanitary waste units will be located in an area where the likelihood of the unit contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

3.0 WASHOUT AREAS

Wheel Wash Stations & Concrete Washouts

Wheel Wash Stations will not be allowed. Trucks will not be allowed to washout or discharge surplus concrete or drum wash water on the site.

4.0 VEHICLE AND EQUIPMENT FUELING

Equipment will not be re-fueled within any wetland resource areas. Only minor equipment/vehicle fueling and maintenance on the work site is allowed outside of wetland resource areas and major vehicle/equipment fueling and maintenance activities are prohibited on the work site. All equipment fluids generated from maintenance activities will be disposed of into designated drums stored on spill pallets. Absorbent, spill-cleanup materials and spill kits will be available at materials storage construction containers. Drip pans will be placed under all equipment receiving maintenance and vehicles and equipment parked overnight.

5.0 SPILL PREVENTION AND CONTROL PLAN

The Contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in

compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.
2. During construction, liquid petroleum products and other hazardous materials with the potential to contaminate groundwater may not be stored or handled in areas of the site draining to an infiltration area. An "infiltration area" is any area of the site that by design or as a result of soils, topography and other relevant factors accumulates runoff that infiltrates into the soil. Dikes, berms, sumps, and other forms of secondary containment that prevent discharge to groundwater may be used to isolate portions of the site for the purposes of storage and handling of these materials
3. The minimum practical quantity of all such materials will be kept on the job site.
4. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
5. Manufacturers recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.

In the event of a spill, the following procedures should be followed:

1. All spills will be cleaned up immediately after discovery.
2. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
3. The project manager and the Engineer of Record will be notified immediately.
4. Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill.
5. Spills of reportable quantities will be reported to the Boston Fire Department (dial 911), and the Massachusetts Dept. of Environmental Protection's Emergency Response Program (888) 304-1133 within two (2) hours of initial discovery of the spill.
6. Spills large enough to be discharged from the site will also be reported to the EPA National Response Center at 1-800-424-8802 and the Boston Conservation Commission at 617-635-3850.
7. Hazardous Material Safety Data Sheets, a materials inventory, and emergency contact information will be maintained at the Project Office.

The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the office trailer onsite.

6.0 ALLOWABLE NON-STORMWATER DISCHARGE MANAGEMENT

Certain types of discharges are allowed under the NPDES General Permit for Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come into contact with the water prior to or after its discharge. The control measures that have been outlined previously in this report will be strictly followed to ensure that no contamination of these non-stormwater discharges takes place. The following non-stormwater discharges that may occur from the job site include:

- Discharges from fire-fighting activities
- Fire Hydrant flushings
- Waters used to wash vehicles where detergents are not used
- Water used to control dust in accordance with off-site vehicle tracking
- Potable water including uncontaminated water line flushings
- Routine external building wash down that does not use detergents
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
- Uncontaminated air conditioner compressor condensate
- Uncontaminated ground water or spring water
- Foundation or footing drains where flows are not contaminated with process materials such as solvents
- Uncontaminated excavation dewatering
- Landscape Irrigation

Please feel free to contact our office should you require additional information or have any questions.

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APPENDIX E – NOI PLANS





SITE PLAN

NOTES:

1. THE ACTUAL POSITION OF CRANES #3 - #6 MAY VARY AND WILL BE DETERMINED BY THE AUTHORITY.
2. THE CONTRACTOR'S ACCESS ROUTE MAY VARY TO SUIT ONGOING OPERATIONS AT THE TERMINAL.

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, JULY 7, 2016, INCLUDING CURRENT SUPPLEMENTS, AND ANSI/AWS D1.1-2020 "STRUCTURAL WELDING CODE," INCLUDING CURRENT SUPPLEMENTS.
2. DIMENSIONS, ANGLES AND ELEVATIONS GIVEN FOR THE CRANES AND SITE ARE BASED ON THE BEST AVAILABLE INFORMATION SUPPLEMENTED BY LIMITED FIELD MEASUREMENTS AND ARE NOT GUARANTEED TO BE CORRECT. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS, ANGLES AND ELEVATIONS NECESSARY FOR THE COMPLETION OF ALL WORK, BY FIELD MEASUREMENT AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY EXISTING FIELD CONDITIONS (i.e. MEMBER SIZES, PLATE SIZES, AND MEMBER CONFIGURATION) BY FIELD MEASUREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL HE HAS MADE THE REQUIRED MEASUREMENTS ON THE ACTUAL STRUCTURE AND THE SUBMITTED SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER. SHOP DRAWINGS SHALL STATE THAT THE EXISTING DIMENSIONS, ANGLES, ELEVATIONS AND FIELD CONDITIONS HAVE BEEN FIELD VERIFIED BY THE CONTRACTOR.
3. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE OR RELOCATE, AS NECESSARY, ALL EXISTING UTILITIES.
4. IF THE CONTRACTOR'S OPERATIONS DAMAGE EXISTING MATERIALS OR STRUCTURE TO REMAIN, REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER WITHOUT ADDITIONAL COST TO THE AUTHORITY.
5. THE CONTRACTOR IS NOTIFIED THAT IT IS UNACCEPTABLE FOR ANY GRIT OR DUST TO ESCAPE THE WORK AREA IN A VISIBLE CLOUD OR PLUME. THE CONTRACTOR IS ALSO NOTIFIED THAT IT IS UNACCEPTABLE FOR ANY MATERIALS OR DEBRIS TO FALL INTO THE WATER OR WHARF AREAS BELOW THE CRANES. ALL DEBRIS, MATERIALS, DUST AND GRIT SHALL BE CONTAINED BY DRAPING THE WORK AREA OR BY OTHER APPROVED MEANS AND SHALL BE COLLECTED AND REMOVED FROM THE WORK. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE WORK ITEM BEING PERFORMED. IF THE AUTHORITY DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

6. THE USE OF SHIELDING/SCAFFOLDING/CONTAINMENT, AS WELL AS OTHER CONSTRUCTION METHODS AND PROCEDURES SHALL BE SCHEDULED AND PERFORMED IN SUCH A WAY THAT IT SHALL NOT INTERFERE WITH OR CAUSE UNAUTHORIZED INTERRUPTIONS TO TERMINAL OPERATIONS.
7. ALL SHIELDING/SCAFFOLDING/CONTAINMENT UTILIZED BY THE CONTRACTOR SHALL BE ADEQUATE FOR THE EXPECTED LOADS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE SAFETY OF THE WORK OPERATIONS AT ALL TIMES.
8. THE CONTRACTOR IS ADVISED THAT SHIELDING/SCAFFOLDING/CONTAINMENT ATTACHED TO ANY CRANE SHALL NOT EXCEED XX FEET IN HEIGHT ABOVE THE WHARF.
9. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR MEANS, METHODS, SEQUENCES, AND PROCEDURES FOR WORK, AND CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE AUTHORITY'S JOBSITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE CONTRACTOR'S SAFETY MEASURES.

MATERIALS

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

PLATE AND BAR	ASTM A572 GRADE 50
PIPE	ASTM A53
BOLTS	ASTM A-325

STEEL MATERIAL FOR FRACTURE CRITICAL MEMBERS (FCMS) SHALL COMPLY WITH THE MATERIAL TOUGHNESS REQUIREMENTS OF THE ASTM A709 SPECIFICATION FOR TEMPERATURE ZONE 2 UNLESS NOTED OTHERWISE.

WELDING

WELD PROCEDURES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.1. THE CONTRACTOR SHALL MAINTAIN CURRENT FILES OF WELD PROCEDURE SPECIFICATIONS AND TEST RESULTS AT THE WORK SITE.

WELDERS AND WELDING OPERATORS SHALL HAVE CURRENT AWS CERTIFICATES FOR THE MATERIALS AND PROCESSES BEING USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL WELDS MEET THE ACCEPTANCE CRITERIA REQUIREMENTS

OF AWS D1.1, SECTION 6, "INSPECTION".

COATINGS

NEW COATINGS SHALL BE IN ACCORDANCE WITH THE CONTRACT SPECIAL PROVISIONS, SECTION 099000-PAINTING AND COATING.

CAULKING

CAULKING SHALL BE 100% SILICONE, SUITABLE FOR EXTERIOR USE.

WELD INSPECTION

WELD INSPECTION SHALL BE PERFORMED AT LOCATIONS AS PROVIDED IN THE CONTRACT SPECIAL PROVISIONS, SECTION 055000-METAL FABRICATIONS. WELD INSPECTIONS SHALL BE PERFORMED BY AN ASNT LEVEL III INSPECTOR OR AN ASNT LEVEL II INSPECTOR UNDER THE DIRECT, ONSITE SUPERVISION OF THE ASNT LEVEL III INSPECTOR.

LOCATIONS NOTED BY "MT" SHALL BE TESTED BY MAGNETIC PARTICLE TESTING. THE MT TEST SURFACE MUST BE BARE METAL AND BE FREE OF LOOSE RUST, GREASE, DIRT AND MOISTURE. THE ACCEPTANCE CRITERIA FOR MT TESTING SHALL BE IN ACCORDANCE WITH AWS D1.1 TABLE 6.1 "VISUAL INSPECTION ACCEPTANCE CRITERIA".

LOCATIONS NOTED BY "UT" SHALL BE TESTED BY ULTRASONIC TESTING. THE UT TEST SURFACE MUST BE BARE METAL AND BE FREE OF LOOSE RUST, GREASE, DIRT AND MOISTURE. THE ACCEPTANCE CRITERIA FOR UT TESTING SHALL BE IN ACCORDANCE WITH AWS D1.1 TABLE 6.3 "UT ACCEPTANCE-REJECTION CRITERIA (CYCLICALLY LOADED NON-TUBULAR CONNECTIONS)". WHERE THE DETAIL IS CLASSIFIED AS A TUBULAR MEMBER ON THE LOCATION SKETCHES, THE ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH AWS D1.1 PROVISIONS FOR TUBULAR MEMBERS.

INSPECTOR TEST RESULTS SHALL BE REPORTED FOR ALL LOCATIONS TESTED. THE TEST REPORT SHALL INCLUDE THE FOLLOWING:

- CRANE NUMBER
- INSPECTOR NAME
- DATE
- TEST LOCATION AND TEST METHOD
- RESULTS - IF NO DEFECT IS FOUND, NOTE THE TEST AS "ACCEPTED". IF A DEFECT IS FOUND, NOTE THE TEST AS "REJECTED". TESTS NOTED AS "REJECTED" SHALL INCLUDE ADEQUATE INFORMATION TO FULLY DESCRIBE THE TYPE, EXTENT, DESCRIPTION AND LOCATION OF THE DEFECT ENCOUNTERED. INCLUDE SKETCHES AND/OR PHOTOGRAPHS AS APPROPRIATE.



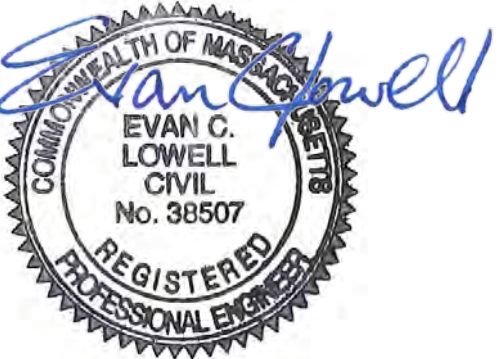
MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
**CONLEY CONTAINER TERMINAL
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **M249-C1** LOCATION CODE:

PROJECT SUBMISSION PHASE:
**90% DESIGN SUBMISSION
(NOT FOR CONSTRUCTION)**

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:



101 ARCH STREET, SUITE 301, BOSTON, MA 02110, (617) 453-5450

CONSULTANT:

PROJECT NUMBER AND TITLE:

**M249-C1
CRANE PAINTING PROGRAM**

SHEET TITLE:

SITE PLAN & GENERAL NOTES

DISCIPLINE:

STRUCTURAL

DRAWN BY:

CMD

CHECKED BY:

ECL

APPROVED BY:

SCALE:

AS NOTED

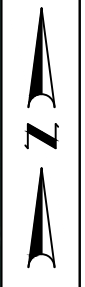
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JULY 2020

DRAWING NUMBER:



SHEET NO: 2 OF 16

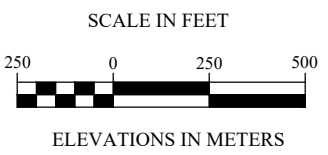
S01



F:\Projects\2019\19085\DWG\FIGS\Environmental\Figure 2 - AERIAL.dwg

LEGEND:

-  APPROXIMATE LIMIT OF WORK
-  100-FT BUFFER ZONE TO COASTAL BANK (APPROX.)




NOTE: MAP INFORMATION TAKEN FROM MASSGIS

AERIAL MAP

CRANE PAINTING PROGRAM – CONLEY TERMINAL
700 SUMMER STREET, BOSTON, MA

PREPARED BY:



GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS
239 LITTLETON RD, WESTFORD, MA (978) 923-0400
24 ALBION RD, LINCOLN, RI (401) 305-7895

PREPARED FOR:

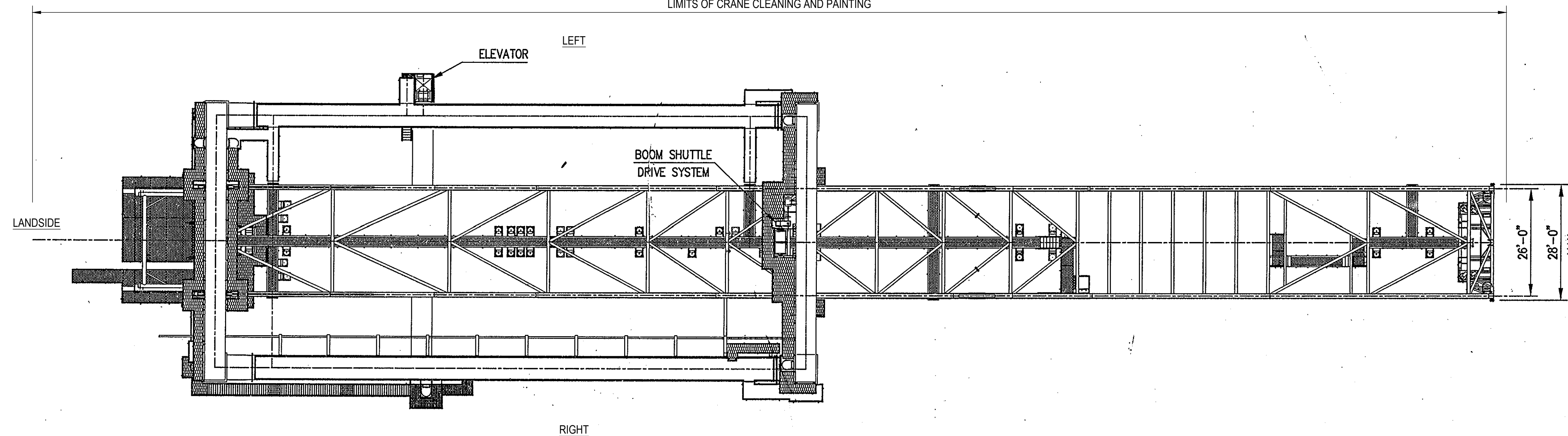


SCALE: AS NOTED
DATE: 06/23/2020
REVISED: 04/09/2021

PROJECT NO. 19085
DRAWN BY: OF
CHECKED BY: DS

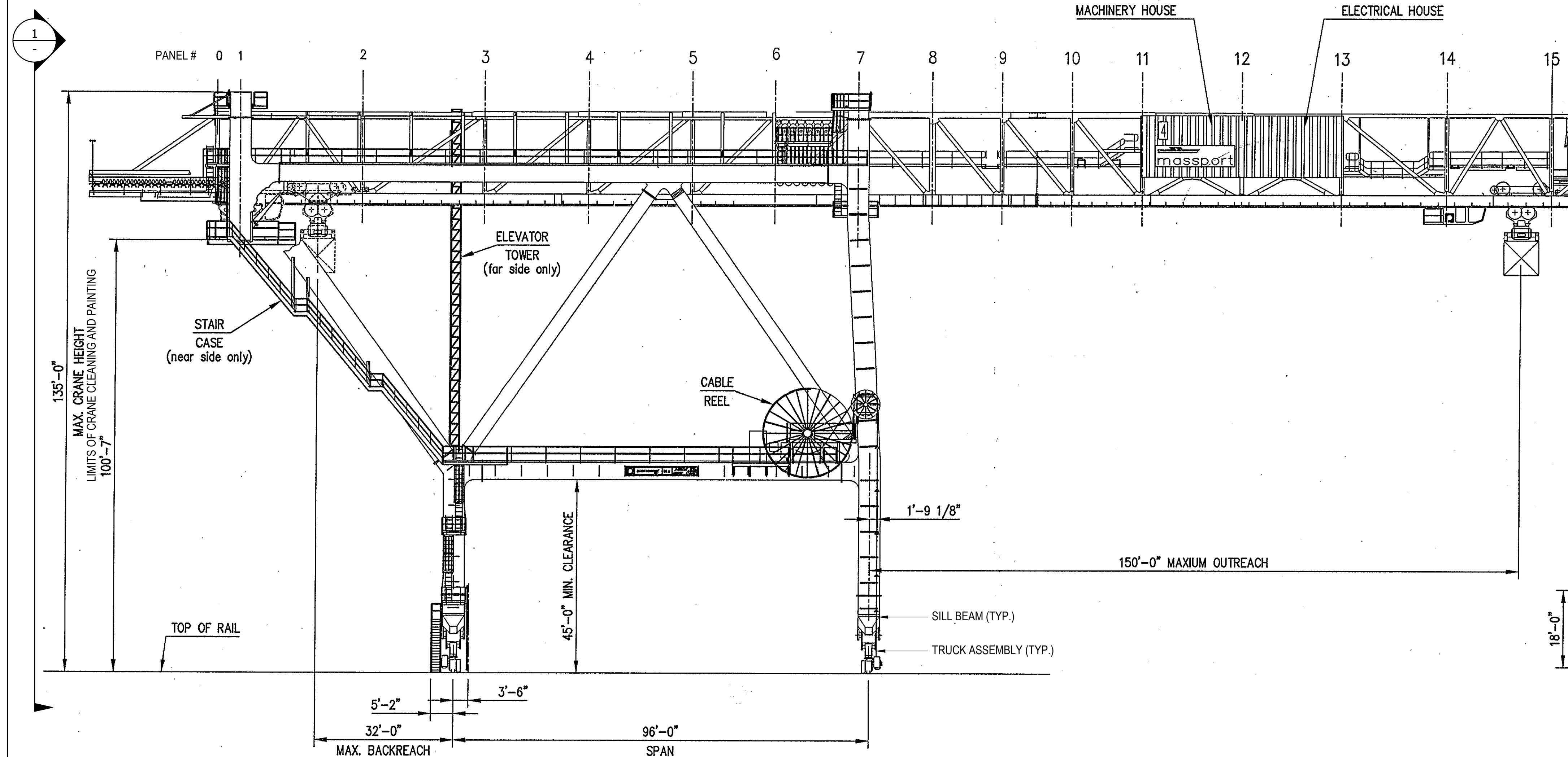
FIGURE 2

LIMITS OF CRANE CLEANING AND PAINTING



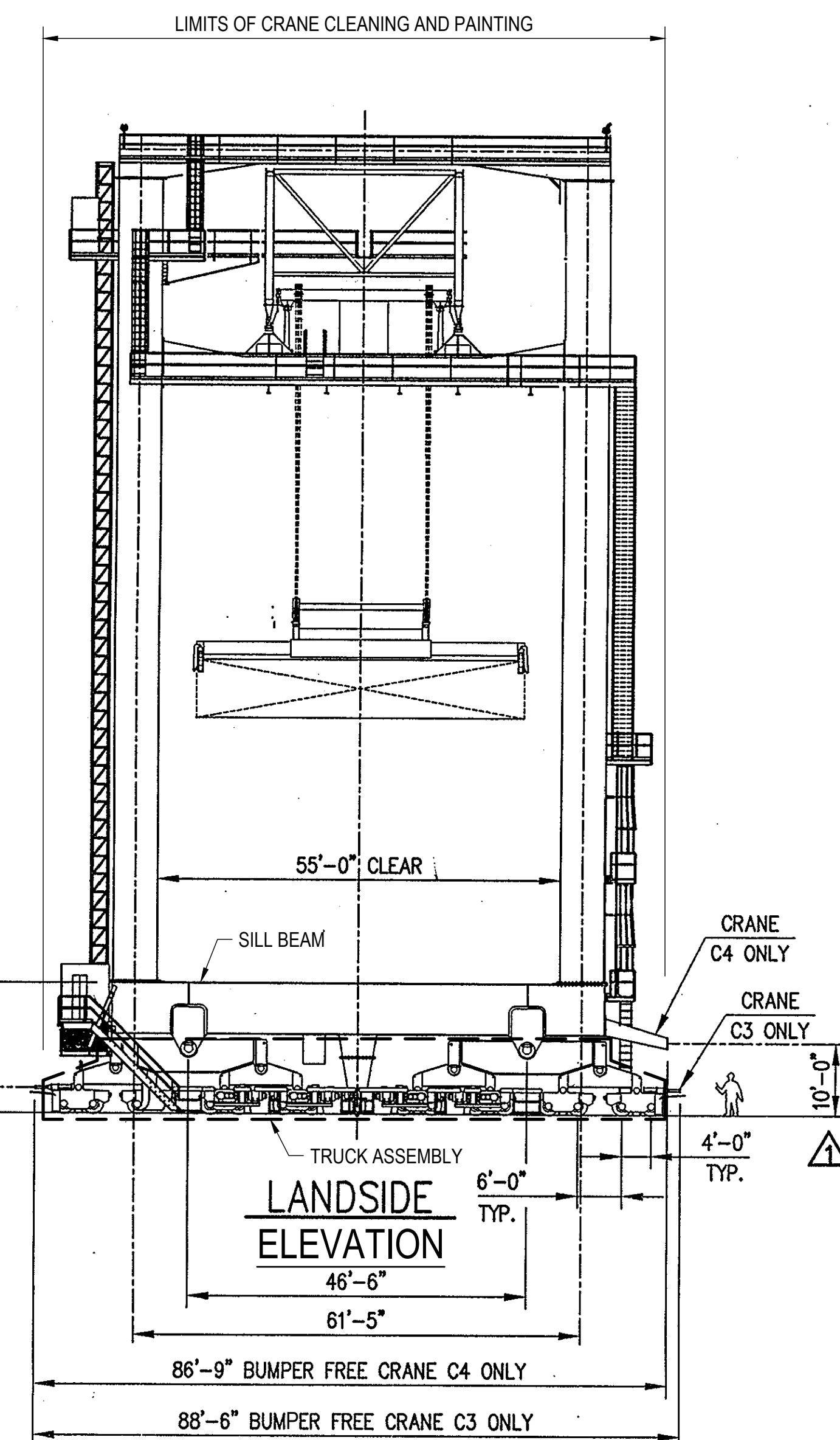
PLAN VIEW

NOT TO SCALE



RIGHT ELEVATION

NOT TO SCALE



1 SECTION
NOT TO SCALE



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
CONLEY CONTAINER TERMINAL
BOSTON, MASSACHUSETTS

MPA CONTRACT NO.: M249-C1
LOCATION CODE:

PROJECT SUBMISSION PHASE:
90% DESIGN SUBMISSION
(NOT FOR CONSTRUCTION)

REGISTRATION STAMP:



KEY PLAN:

REVISIONS:

REV. NO.	DATE	DESCRIPTION	BY

PRIMARY:



101 ARCH STREET, SUITE 301, BOSTON, MA 02110, (857) 453-5450

CONSULTANT:

PROJECT NUMBER AND TITLE:

M249-C1
CRANE PAINTING PROGRAM

SHEET TITLE: CRANES 3 & 4

GENERAL PLAN & ELEVATION

DISCIPLINE:
STRUCTURAL

DRAWN BY: CMD
CHECKED BY: ECL
APPROVED BY:

SCALE: AS NOTED
DATE: JULY 2020

DRAWING NUMBER: SHEET NO: 3 OF 16

S02



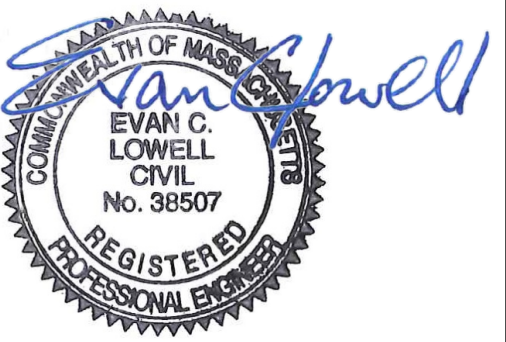
MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
**CONLEY CONTAINER TERMINAL
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **M249-C1** LOCATION CODE:

PROJECT SUBMISSION PHASE:
**90% DESIGN SUBMISSION
(NOT FOR CONSTRUCTION)**

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:



101 ARCH STREET, SUITE 301, BOSTON, MA 02110, (857) 453-5450

CONSULTANT:

PROJECT NUMBER AND TITLE:

**M249-C1
CRANE PAINTING PROGRAM**

SHEET TITLE: **CRANES 5 & 6
GENERAL PLAN & ELEVATION**

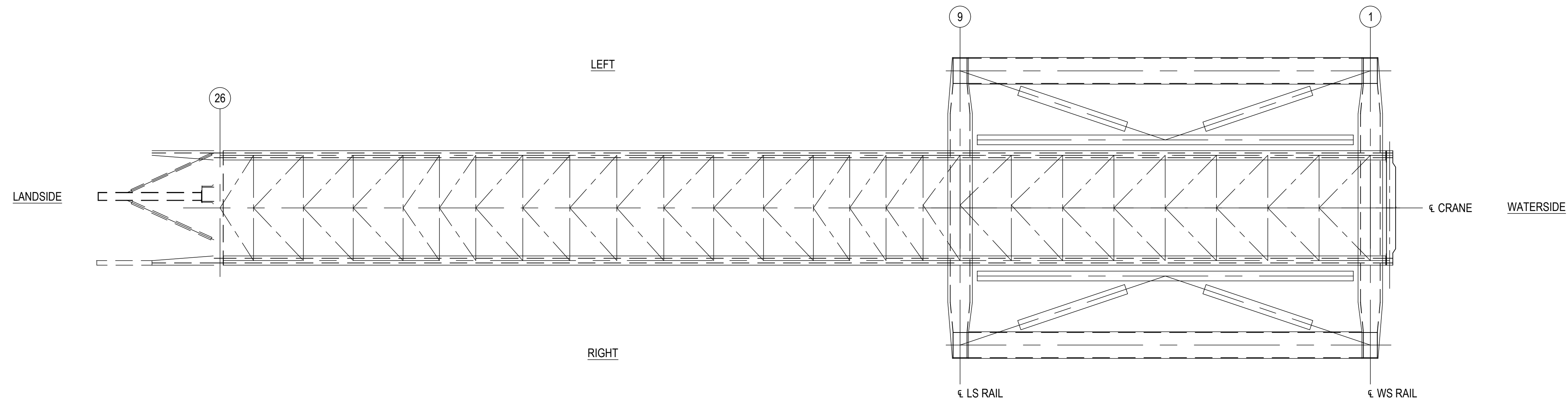
DISCIPLINE:
STRUCTURAL

DRAWN BY: CMD	CHECKED BY: ECL	APPROVED BY:
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SCALE: AS NOTED	DATE: JULY 2020
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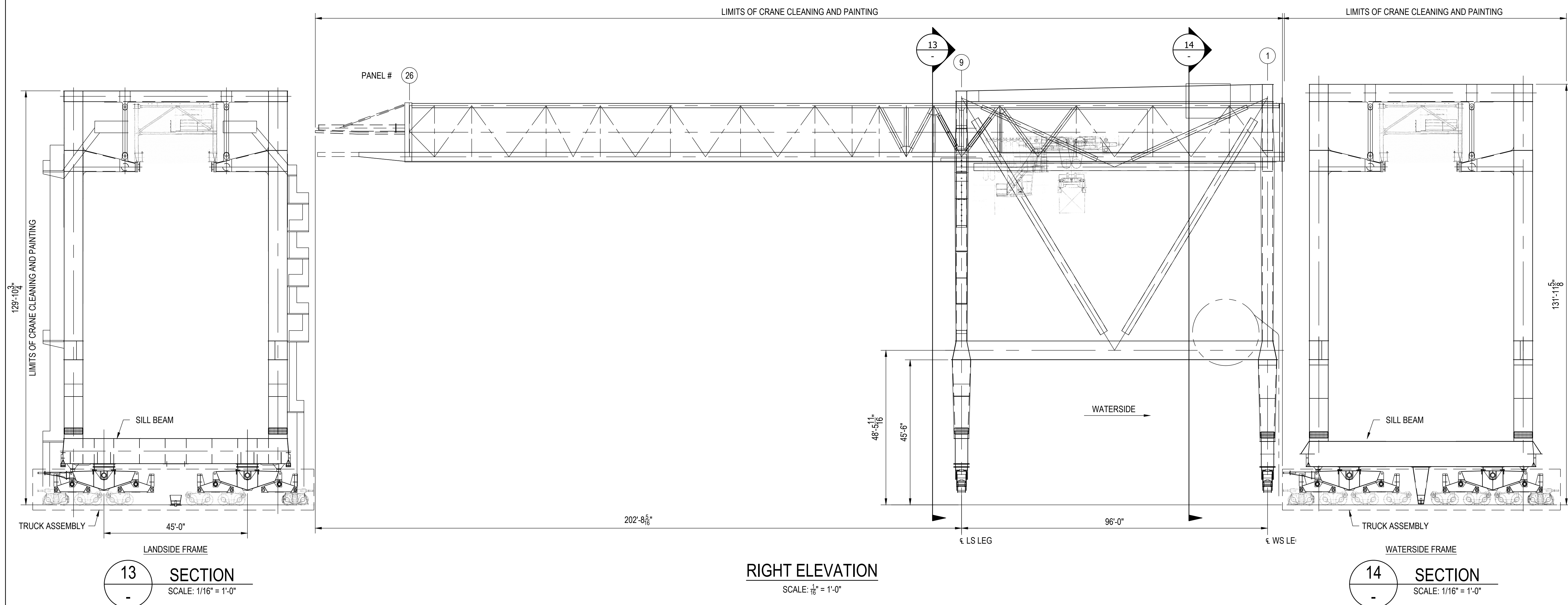
DRAWING NUMBER: SHEET NO: 10 OF 16

S09



PLAN VIEW

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



RIGHT ELEVATION

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

NOTES:

- FOR GENERAL NOTES SEE SHEET S01.
- CRANE LANDSIDE LEGS LENGTHENED BY 11 1/2" UPON DELIVERY TO MASSPORT.