

Appendix 2:  
Interagency Pre-Application Meeting



Joint Permit Application Package  
Albany Port District Commission

**Port of Albany  
Expansion Project**

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# Port of Albany Expansion Project

Interagency Pre-Application Meeting  
Albany Port District Commission

July 20, 2021



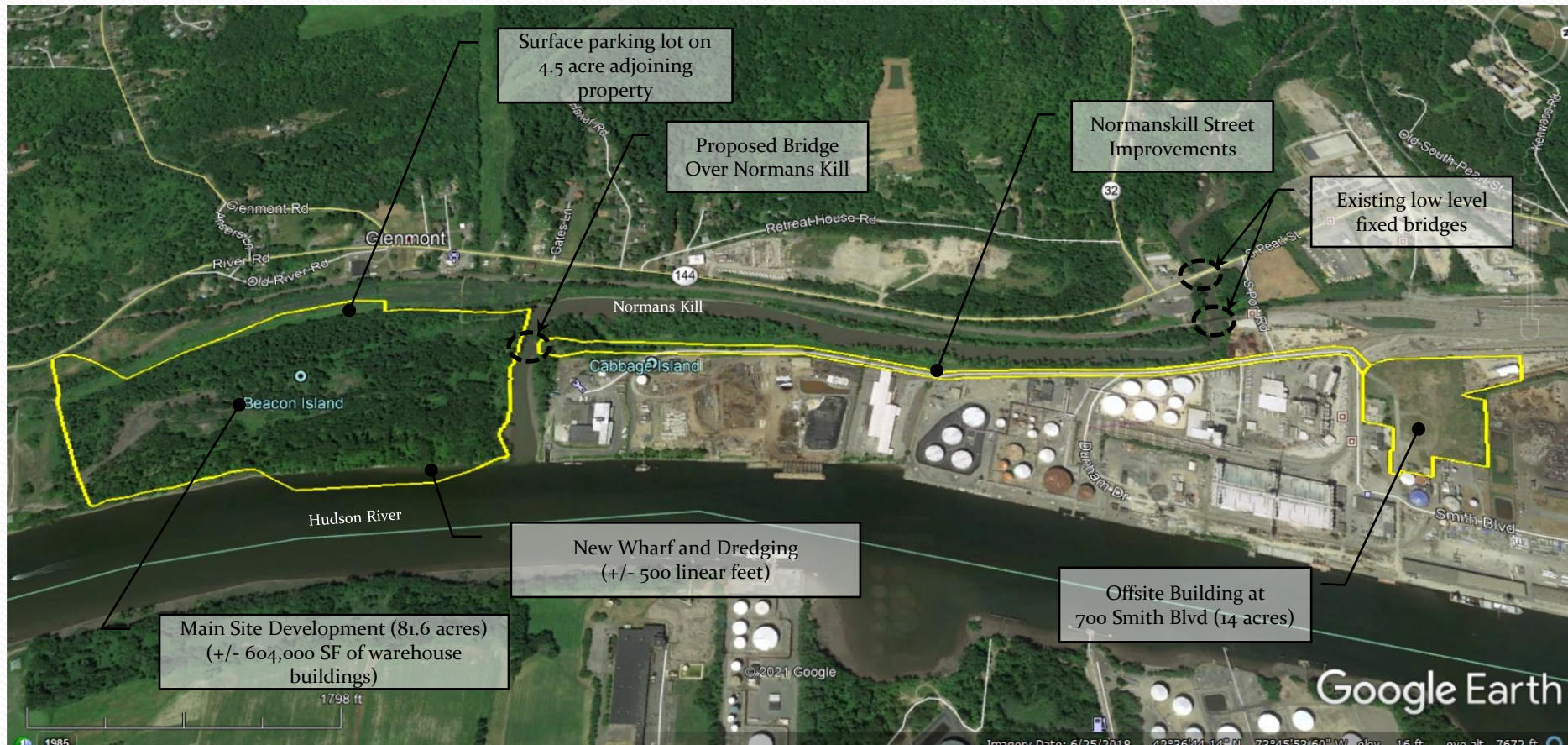
# Agenda

- Introductions, Roles and Responsibilities
- Project Overview
- Existing Conditions
- Discussion Items
  - Wharf and Dredging Impacts
  - Bridge over Normans Kill
  - Landside Development and Wetland Impacts
  - Permitting and Environmental Mitigation
- Project Schedule
- Open Discussion / Next Steps

# Project Overview

- Development of previously disturbed and industrial zoned property into a port terminal with specialized infrastructure capable of supporting a new manufacturing operation.
- Project components
  - +/- 604,000 square feet (SF) of warehouse buildings, site utilities and stormwater management
  - +/- 500 linear feet of new wharf and dredging (Hudson River)
  - Bridge over Normans Kill channel (outside MHHW line and floodway)
  - Employee surface parking on adjoining land owned by National Grid
  - Offsite road improvements
  - Environmental Mitigation

# Project Overview



**Project Location / Project Site**

# Project Overview

- APDC Purpose and Need

- Need to expand current land holdings in order to provide additional warehouse space and cargo necessary for the manufacturing, storage and distribution of components used in offshore wind (OSW) facilities.
- Facilitate the marine-based import and export of materials and manufactured components to be used in the development of OSW facilities.
- Support New York State in achieving its renewable energy goals.

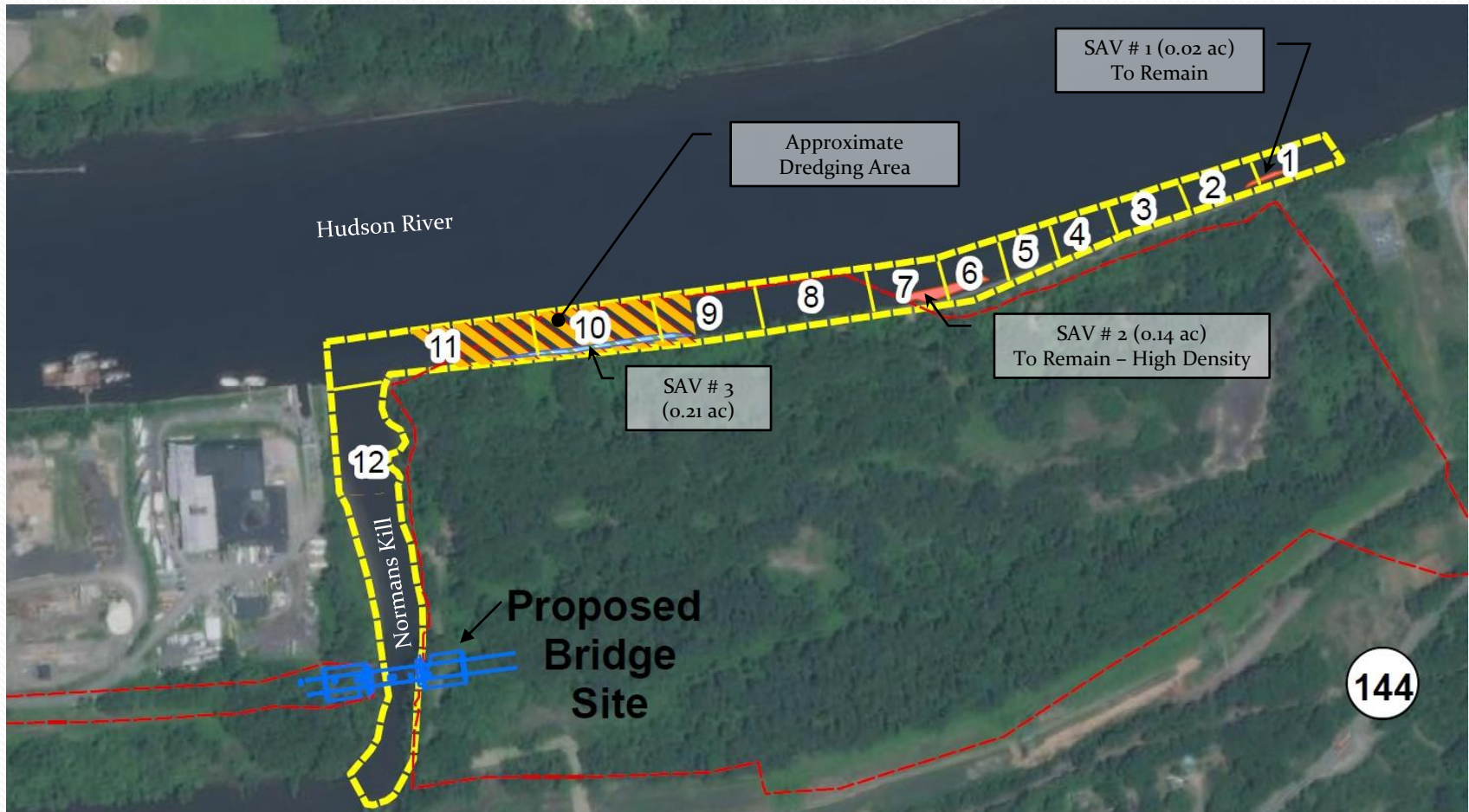
*APDC has exhausted almost all of its existing port facilities and is unable to accommodate additional port infrastructure, warehouse space, cargo and wharf capacity within current footprint.*

# Existing Site Conditions

Wetlands	<ul style="list-style-type: none"> <li>• USACE Regulated Wetlands (9.46 acres):             <ul style="list-style-type: none"> <li>• +/- 1.49 acres of wetlands within Beacon Island</li> <li>• +/- 7.13 acres of wetlands within adjoining National Grid property</li> <li>• +/- 0.84 acre of wetland along Normanskill Street</li> </ul> </li> <li>• No NYSDEC regulated wetlands</li> </ul>
Submerged Aquatic Vegetation (SAV)	<ul style="list-style-type: none"> <li>• <u>Hudson River</u>: 3 patches detected along the eastern edge of Beacon Island             <ul style="list-style-type: none"> <li>• Dredging area - 1 with a very low density of <i>Vallisneria americana</i> (water celery) along with very few solitary <i>Trapa natans</i> (water chestnut) and <i>Potamogeton crispus</i> (curly-leaf pondweed)</li> <li>• Outside Project limits - 1 with a moderate to high density, and 1 with very low density of <i>V. americana</i> and very low densities of <i>T. natans</i> and <i>P. crispus</i></li> </ul> </li> <li>• <u>Normans Kill</u>: No SAV detected</li> </ul>
Freshwater Mussels	<ul style="list-style-type: none"> <li>• 113 of <i>Elliptio complanata</i> (S2S3) and 36 <i>Leptodea fragilis</i> (S1S2) were found in the Hudson River</li> <li>• Eight (8) <i>Leptodea fragilis</i> located within the proposed dredging area</li> <li>• <u>No</u> live mussels were found in Normans Kill</li> <li>• Zebra mussels existed at moderate to high densities in subtidal areas</li> </ul>
Threatened and Endangered Species	<ul style="list-style-type: none"> <li>• Rare Plant Species Investigation conducted, and no protected species found within Project Site.</li> <li>• No active / inactive Bald Eagle nest within the Project Site</li> </ul>



# Existing Site Conditions



# Discussion Items

## Main Project Components:

- Wharf and Dredging
- Bridge over Normans Kill
- Site Development
- Permitting and Environmental Mitigation
  - Freshwater Wetlands
  - Mussels Relocation
  - SAV Transplant

# Discussion Items

## Design elements and considerations to avoid and minimize impacts include:

- Wharf has been relocated and size reduced to avoid dredging in SAV beds; 1 bed within Normans Kill with moderate to high density of *Vallisneria americana*
- General layout of the proposed wharf places the riverside face of structure coincident with the face of the existing timber revetment
- Proposed bridge over Normans Kill redesigned and to be constructed outside Mean Higher-High Water Line to meet NYSDEC and DOS criteria
- Reconfiguration of proposed surface parking to avoid wetland impacts
- Construction of a fill type retaining wall to reduce the need of fill in wetland area
- Improvements to Normanskill Street avoid wetland areas
- Site grading or fill proposed above the existing MHHW line

# Discussion Items

## Wharf and Dredging:

- Proposed Wharf
  - 500 linear feet of marginal wharf along the eastern edge of Beacon Island on Hudson River
    - Original wharf concept contemplated +/- 1,000 linear feet
    - Overall dimensions of 500 feet in length by 93 feet in width
  - +/- 58,000 cubic yards will be excavated landward of the MHHW line
  - Includes a heavy stone slope revetment, high-modulus steel sheet pile cutoff wall, and drilled shaft foundations
  - Deep foundation-supported concrete-framed open-type wharf structure
  - Facility designs consider accommodation of special load-handling systems, size and weight of the manufactured components

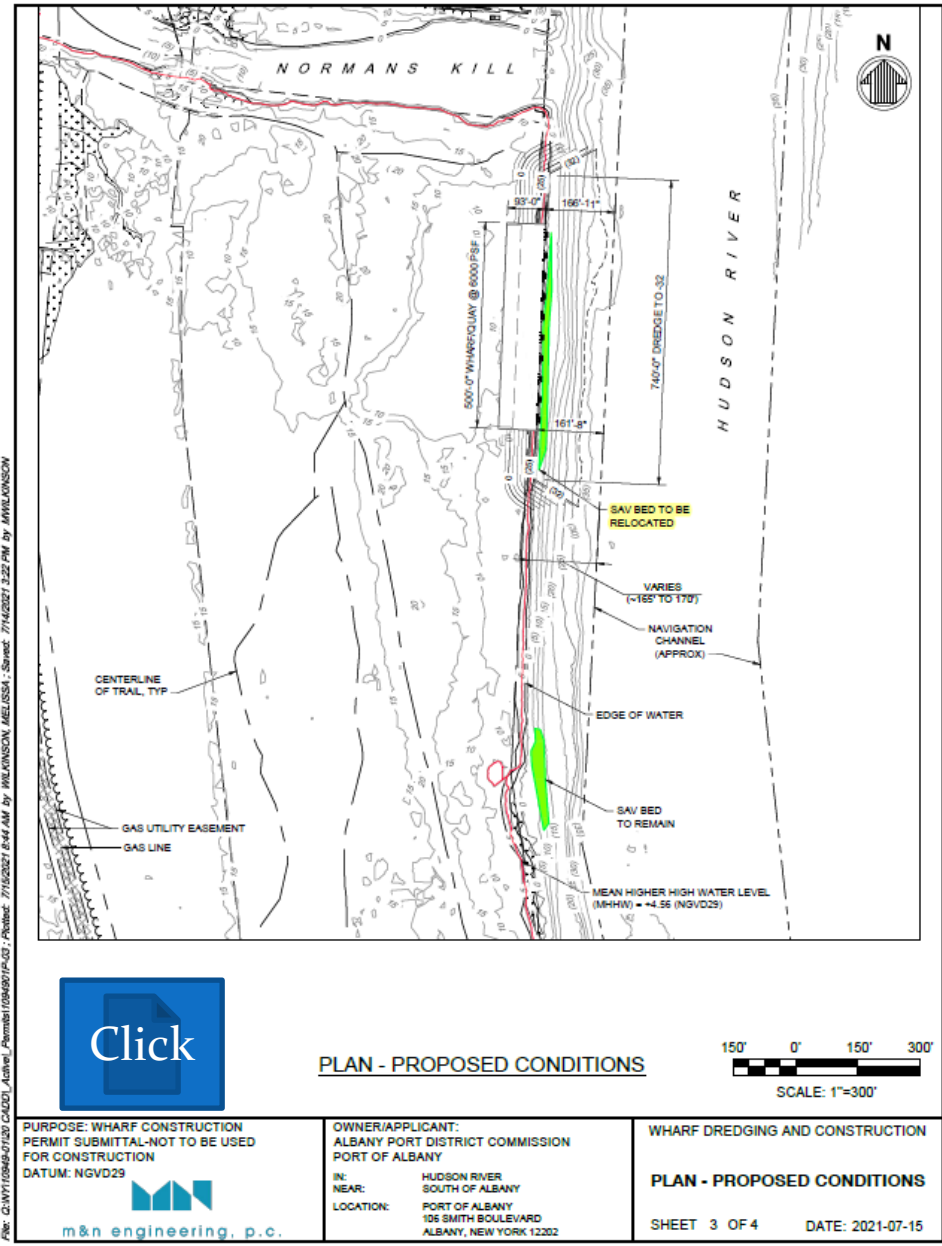
# Discussion Items

## Wharf and Dredging Impacts:

- Proposed Dredging (Hudson River)
  - Area: +/- 4.4 acres
  - Volume: +/- 105,000 cubic yards
  - Depth: +/- 32 feet below MLLW line, +2 feet of allowable “overdredge”
  - Impacts: 0.21 acre of SAV (to be transplanted)
- Method:
  - Mechanical dredging using a clamshell (“closed”) bucket to minimize resuspended sediments
  - Dredging limited to daylight hours only
  - Dredge material will be placed in barges (scows) in a manner that minimizes high turbidity levels and splashing of material over the barge
- Dredged Material
  - To be loaded into dredge scow(s), transported by tug(s), and offloaded at an approved site
  - Impacted material to be amended, disposed at approved CDF

# Discussion Items

## Wharf and Dredging Impacts



PURPOSE: WHARF CONSTRUCTION  
 PERMIT SUBMITTAL-NOT TO BE USED  
 FOR CONSTRUCTION  
 DATUM: NGVD29



OWNER/APPLICANT:  
 ALBANY PORT DISTRICT COMMISSION  
 PORT OF ALBANY

IN: HUDSON RIVER  
 NEAR: SOUTH OF ALBANY  
 LOCATION: PORT OF ALBANY  
 126 SMITH BOULEVARD  
 ALBANY, NEW YORK 12202

WHARF DREDGING AND CONSTRUCTION

PLAN - PROPOSED CONDITIONS

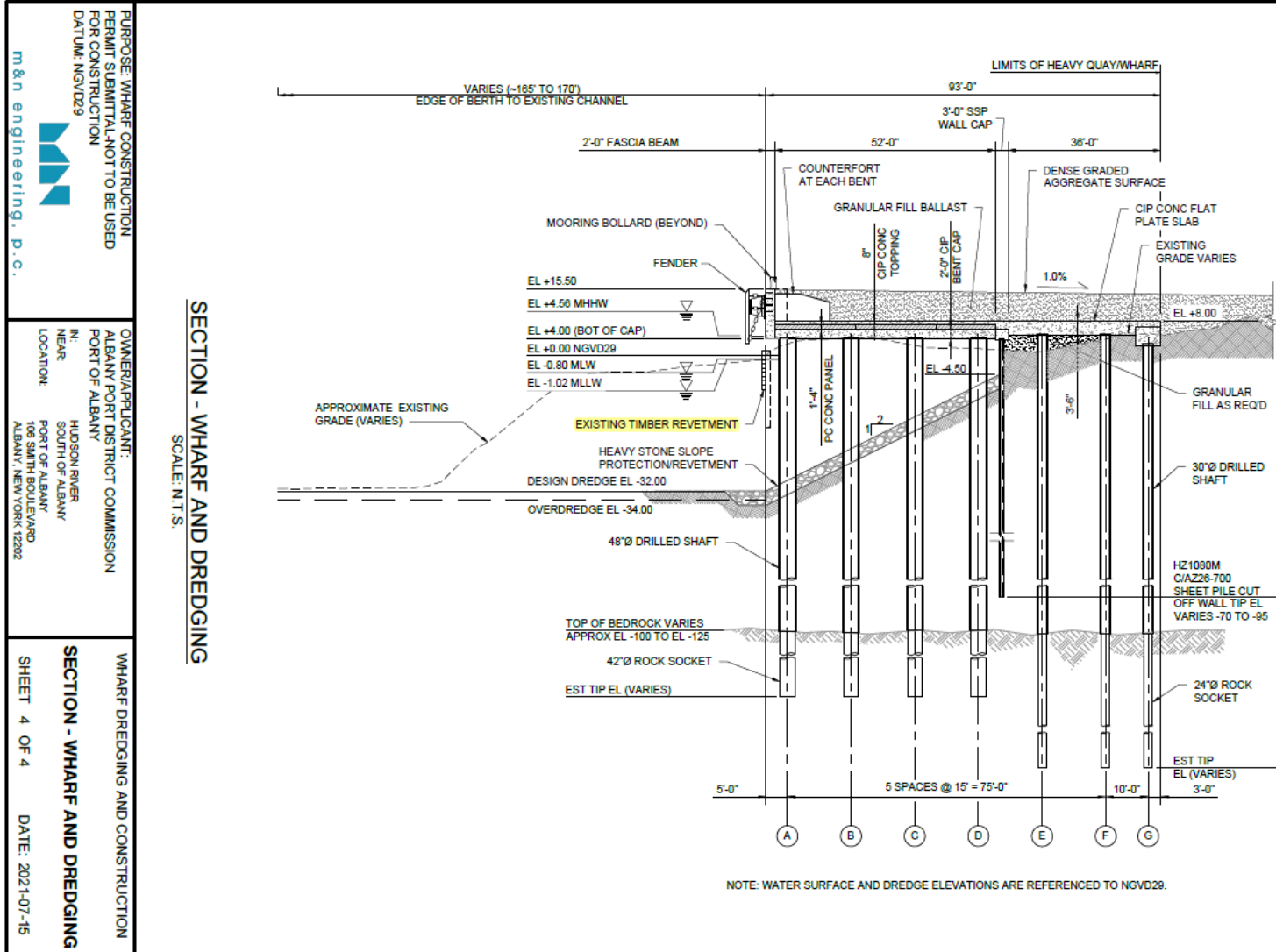
SHEET 3 OF 4 DATE: 2021-07-15



# Discussion Items

## Wharf and Dredging Impacts

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# Discussion Items

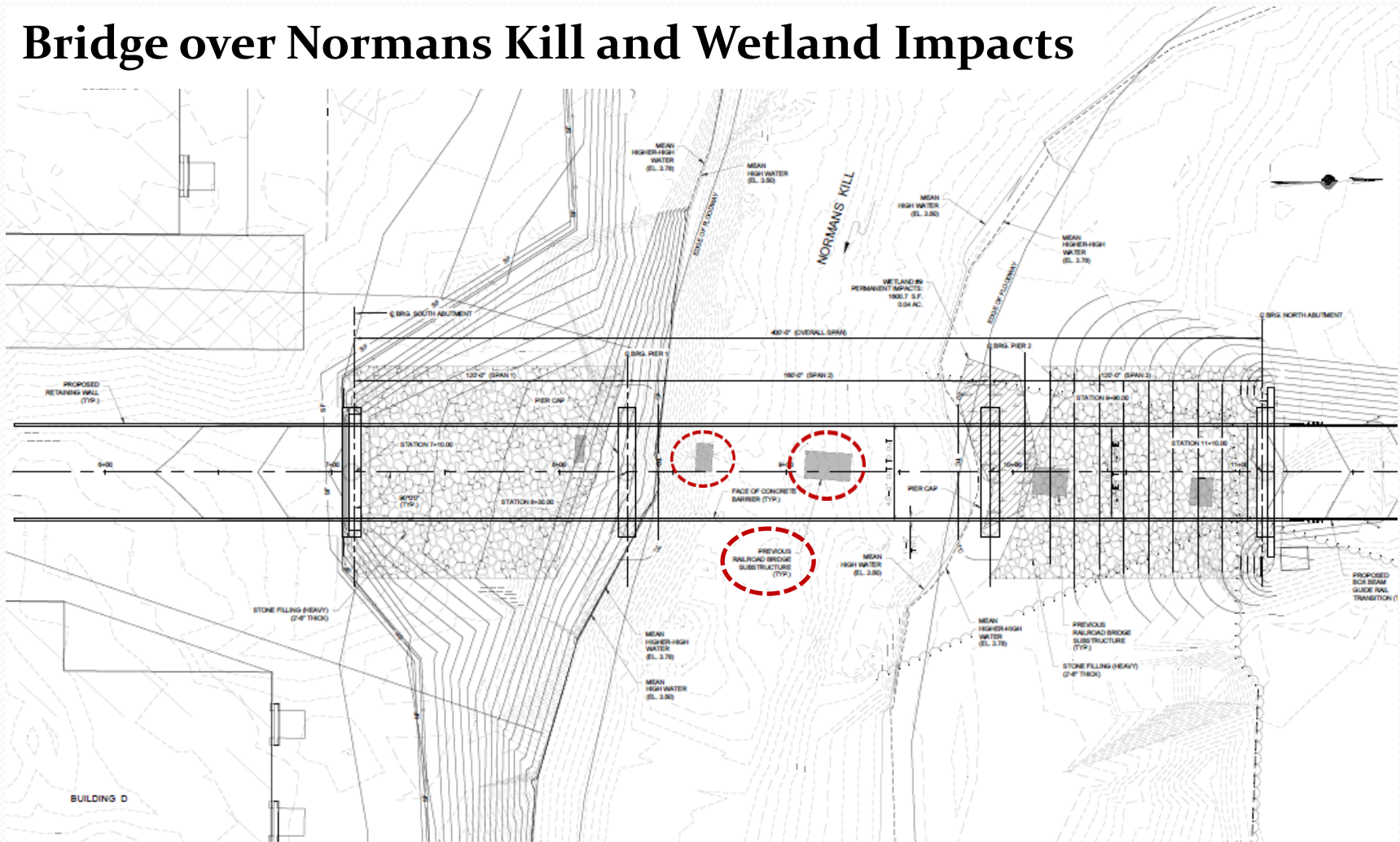
## Bridge over Normans Kill:

- Connects site operations between the Beacon Island and the offsite parcel at 700 Smith Boulevard
- 3 span bridge that allows for fully spanning the Normans Kill floodway
  - Original bridge concept contemplated a pier in the middle of Normans Kill and temporary fill for construction
- Avoids fill below the MHHW line, including during construction phase
- +/- 0.04 acre of wetland impacts (Wetland # 9) due to construction of pier on the north side
- 2 piers comprised of reinforced concrete drilled shafts
  - Drilled shafts avoids the need of in-water work construction activities and greatly limit environmental activities
- Current layout does not proposed modification to the Normans Kill channel



# Discussion Items

## Bridge over Normans Kill and Wetland Impacts



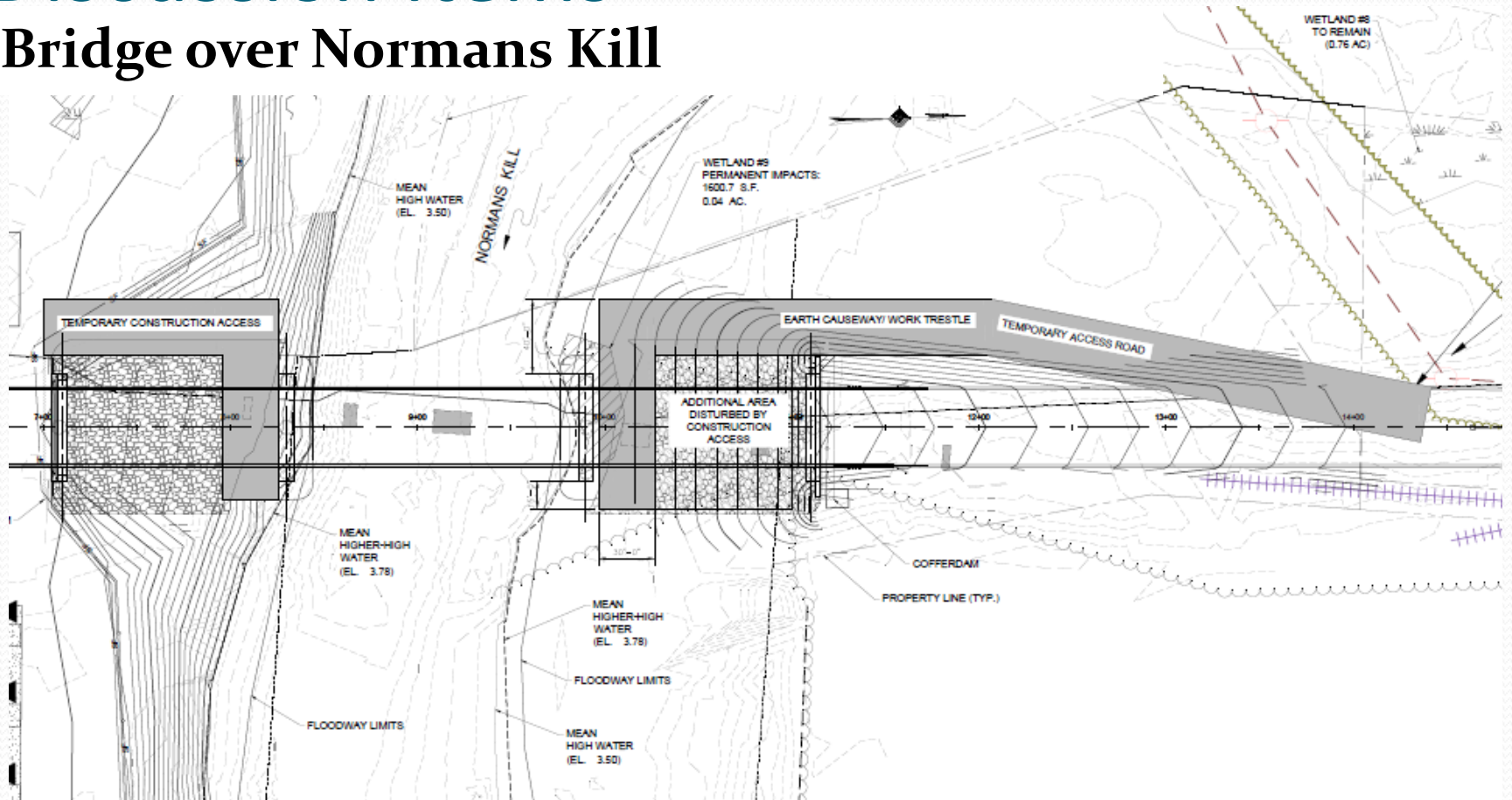
**LEGEND**

PROPERTY LINE	-----	SILT FENCE	-----
BUILDING SETBACK	-----	TURBIDITY CURTAIN	-----
EXISTING RAIL LINE	=====	WETLAND AREA	-----
EXISTING TREE LINE	-----	WETLAND AREA PERMANENT IMPACTS	-----
DITCH CENTERLINE	-----		
ROADSIDE SWALE	-----		

**GENERAL PLAN**  
SCALE: 1" = 12'

# Discussion Items

## Bridge over Normans Kill

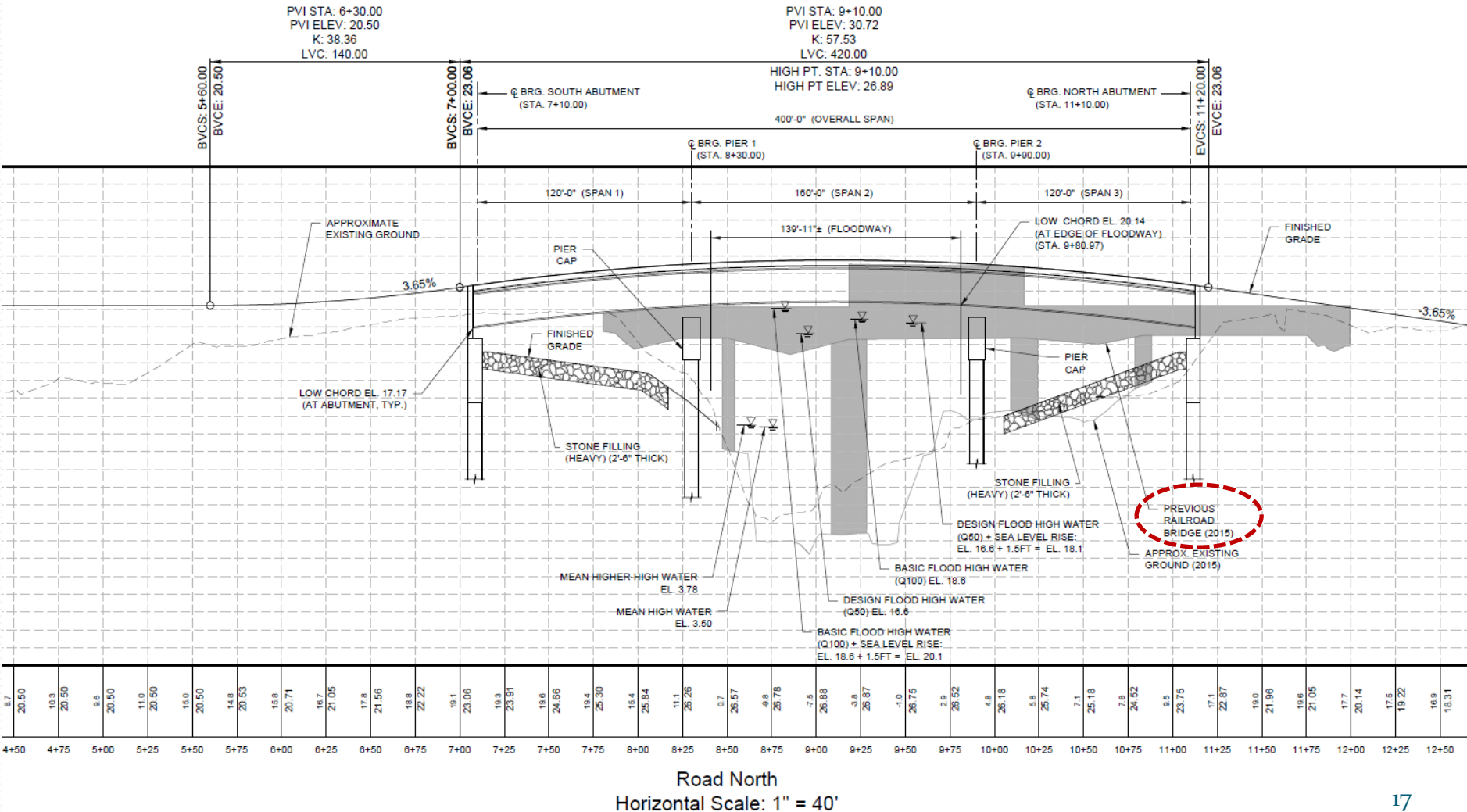


CONSTRUCTION ACCESS PLAN

-----	SILT FENCE	-----	5'
-----	TURBIDITY CURTAIN	-----	10'
+++++	WETLAND AREA	-----	10' - 20'
-----	WETLAND AREA PERMANENT IMPACTS	-----	10' - 20'

# Discussion Items

## Bridge over Normans Kill



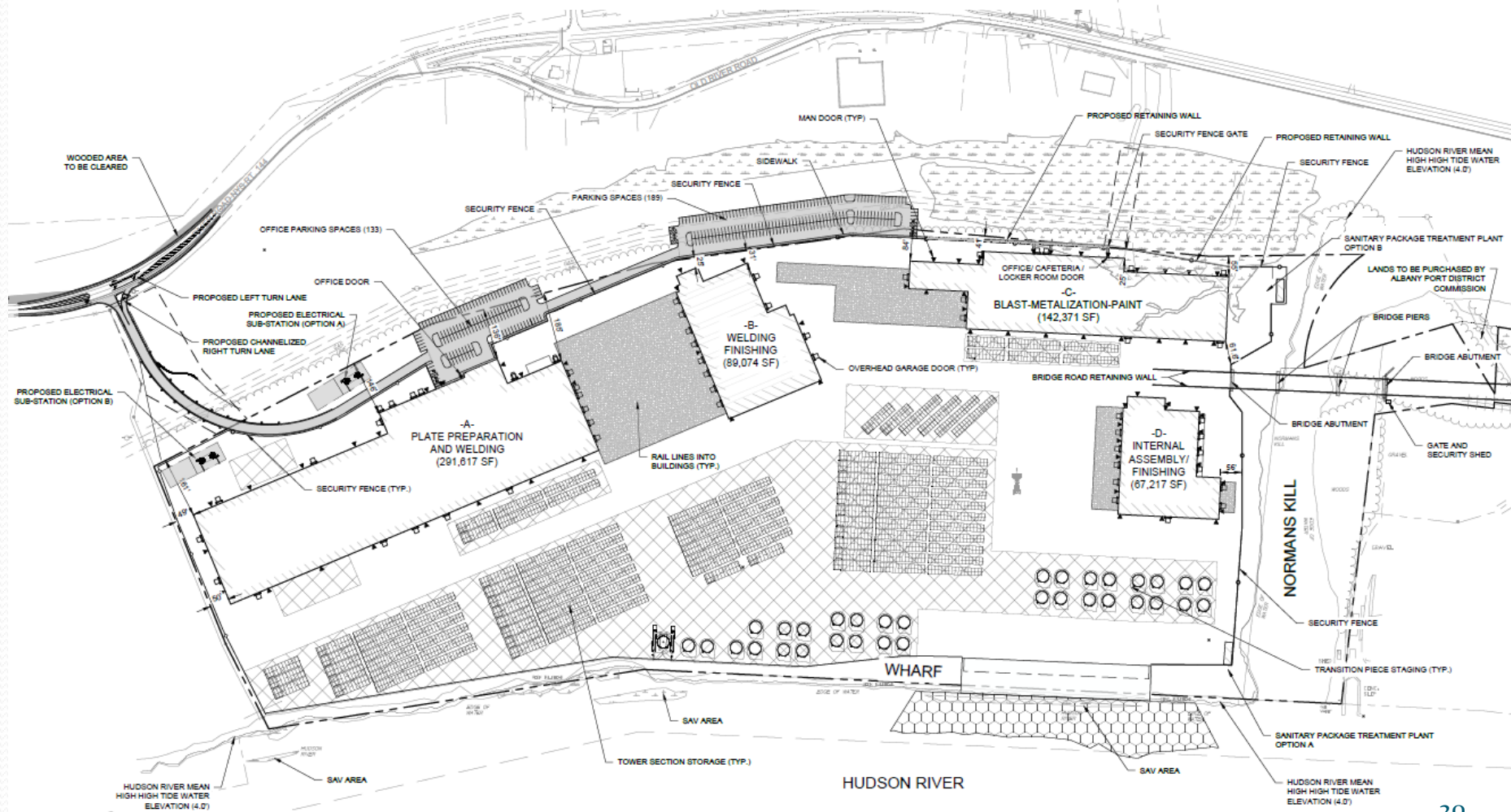
# Discussion Items

## Site Development and Wetland Impacts

- +/- 604,000 square feet spread out in five (5) separate buildings
  - Original site layout contemplated larger building footprint (+/- 1,000,000 square feet) and a surface parking with higher wetland impacts
- Access road and parking lot were relocated and re-designed to avoid wetland impacts
- Current design proposes a fill type retaining wall to reduced fill in wetland areas
- +/- 0.86 acre of permanent wetland impact (Wetland # 1)
- +/- 0.33 acre of temporary wetland impact due to retaining wall

# Discussion Items

## Site Development and Wetland Impacts



# Discussion Items

## Site Development (Excavation / Fill)

- Proposed action would result in excavated material
  - Excavation volume: +/- 183,200 cubic yards (do not include dredging)
  - Total fill volume: +/- 413,800 cubic yards (above MHHW line)
- Excavated material to be managed in accordance with Soil Management Plan prepared by Atlantic Testing Laboratories
  - Areal extent of excavation for ash and debris would only be necessary to complete the scheduled site redevelopment.
  - Depths of removal are similarly limited to scheduled depths of excavations.
  - Soil that is impacted with ash and requires excavation would be transported for off-site disposal.
  - Soil cover system would be implemented.
- Excavated soils suitable to be used as fill would be reutilized on-site to the maximum extent possible

# Discussion Items

## Permitting

### Overall Project Impacts - Wetlands

Wetlands ID	Location	Type	Existing Wetlands Acreage	Description of Project Footprint / Impacts	Project Footprint (Impacts)		Wetland Areas To Remain
					NYSDEC Regulated (Acres)	USACE Regulated (Acres)	
1	81.6 acre Parcel (Beacon Island)	PEM	0.67	Site Development	N/A	0.30	0.37
		PFO	0.59	Site Development	N/A	0.51	0.08
1-Supp.	4.5 acre parcel (National Grid)	PEM	6.81	No Impacts	N/A	0.00	6.81
		PFO	0.32	Retaining wall	N/A	0.01	0.31
3	Beacon Island	PEM	0.19	No Impacts	N/A	0.00	0.19
4	Beacon Island	PEM	0.04	No Impacts	N/A	0.00	0.04
5	Normans Kill St	PEM	0.01	No Impacts	N/A	0.00	0.01
6	Normans Kill St	PEM	0.01	No Impacts	N/A	0.00	0.01
7	Normans Kill St	PEM	0.02	No Impacts	N/A	0.00	0.02
8	Normans Kill St	PEM	0.19	No Impacts	N/A	0.00	0.19
	Normans Kill St	PFO	0.57	No Impacts	N/A	0.00	0.57
9	Bridge Area (Beacon Island)	PEM	0.04	Bridge Construction	N/A	0.04	0.00
<b>Total Regulated Wetlands</b>			<b>9.46</b>				
Approximate <b>NYSDEC</b> Regulated Impact					0.0		
Approximate <b>USACE</b> Regulated (Permanent) Impacts						0.86	
Construction Buffer (20') (Temporary Impacts)						0.33	
<b>Total Regulated Wetland Impacts</b>						<b>1.19</b>	

# Discussion Items

## Permitting

### Overall Project Impacts - SAVs

SAV ID	Location	Type	Existing SAVs Acreage	Description of Project Impacts	Project Footprint (Impacts)	SAVs To be Relocated
SAV # 1	Hudson River	SAV	0.02	No Impacts	0.0	0.0
SAV # 2	Hudson River	SAV	0.14	No Impacts	0.0	0.0
SAV # 3	Hudson River	SAV	0.21	Wharf Dredging	0.21	0.21
<b>Total</b>			<b>0.37</b>		<b>0.21</b>	<b>0.21</b>



# Discussion Items

## Permitting – Environmental Mitigation

Wetlands	<ul style="list-style-type: none"><li>• Wetland credits to be purchase from The Wetland Trust</li><li>• Temporary impacts to be restored to pre-construction conditions</li></ul>
Submerged Aquatic Vegetation (SAV)	<ul style="list-style-type: none"><li>• <i>Vallisneria americana</i> within 0.21 acre of SAV # 3 to be transplanted and added to SAV # 1 and SAV # 2 beds outside the project limits<ul style="list-style-type: none"><li>• APDC to procure services from qualified consultant, licensed by NYSDEC</li><li>• Pre-relocation survey to document quantities of plants to be collected and transplanted</li><li>• Removal method would consist of uprooting the entire plant by digging under it</li></ul></li><li>• <u>Alternate Option</u>: Obtain authorization from NYSDEC and USACE to purchase SAV credits from adjacent service areas to the NY Hudson River Mitigation Umbrella Bank</li></ul>

# Discussion Items

## Permitting – Environmental Mitigation

### Freshwater Mussels

- Based on the survey, mussels present in the 12 sections (survey areas)
- Dredging activities would occur in sections 9, 10 and 11
- Mussel relocation to be performed prior to dredging
- APDC would procure the services of a qualified consultant, licensed by NYSDEC
  - Pre-relocation survey to be conducted
  - *Leptodea fragilis* mussels found within the proposed dredging area (FSM Sections 9, 10 and 11) to be relocated to Sections outside the Project.
  - Combination of wading and diving would be implemented for relocation

# Project Schedule

- Supplemental EIS - July 2021
- Supplemental EIS Approval - October 2021
- Joint Application Package - July 2021
- NYSDEC / USACE Approvals - February 2022
- Bid / Construction Phase - April 2022

# Open Discussion / Next Steps

*Thank You!*

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