

79th Street Boat Basin

Located at West 79th Street and the Hudson River
in the Borough of Manhattan

Manhattan Community Board 7
Parks & Environment Committee
June 21, 2021

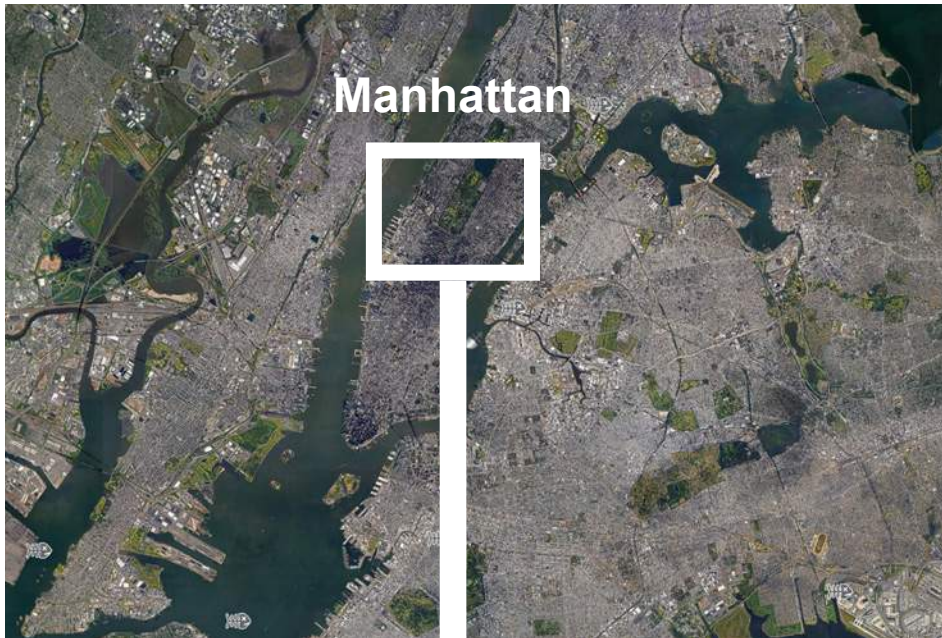
Total Budget: \$89.2m (\$60.9m Mayoral / \$28.3m FEMA)
Construction Budget: \$62.0m

Project Size: 15.00 ac (In-Water Portion)

Parks

Goals

- Reconstruct the marina to meet current climate resiliency design guidelines
- Enhance navigability of the basin via increased water depths and restored debris/ice protection
- Deliver utilities, accessibility, safety and security that comply with modern codes and standards
- Expand the number of boating berths to address the 850+ person, 15-year waiting list
- Upgrade the Dockhouse to comply with full expanded facility program



Manhattan

City

2 MI



Upper West Side

Neighborhood

1000 FT



Site

Site

200 FT



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79th Street Boat Basin | Project Location

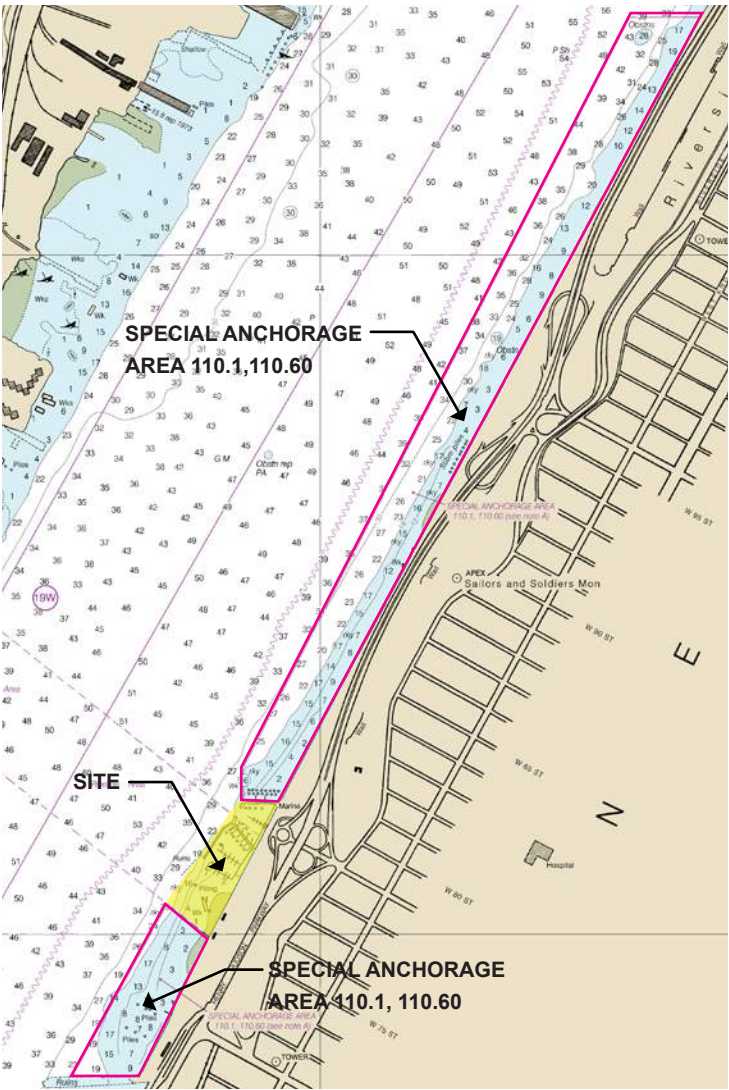




Mooring Area

1500 FT

NYCDPR dedicated mooring area (105.6 acres) denoted as “Special Anchorage Area” in the Federal Register Vol. 78, No. 161, Section 110.60



NOAA Chart 12341





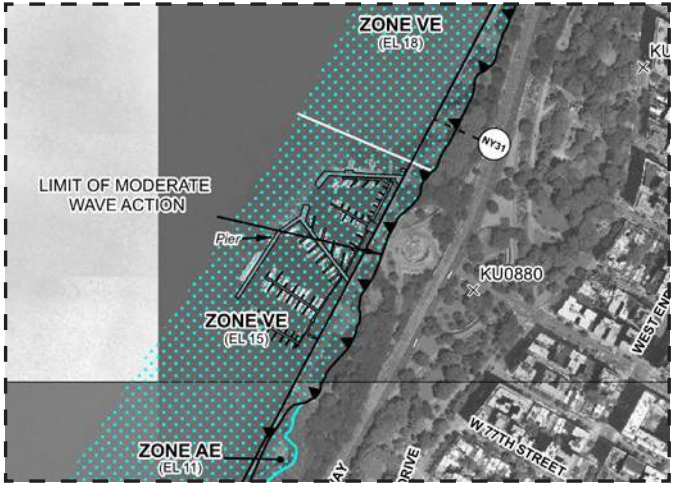
Flood Hazard Zones

2015 Preliminary 100-year Floodplain

1% Annual Chance Floodplain (100 Year Floodplain) The area that has a 1% chance of flooding in any given year.

2050s Projected 100-year Floodplain

The potential areas that could be impacted by the 100-Year flood in the 2050s based on projections of the high-estimate 90th percentile sea level rise scenario (NYC Panel on Climate Change (NPCC) 2015 data).



FEMA FIRM Map

Preliminary 2013 - FEMA FIRM Map: 3604970086G
Zone VE (EL 15)
Moderate wave action

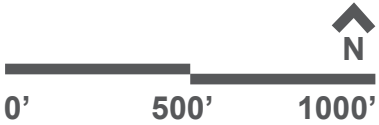
2007 - FEMA FIRM Map: 3604970086F
Zone AE (EL 10)
Moderate wave action (not indicated)



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79th Street Boat Basin | Flood Risk



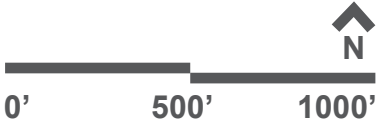


Land Use Categories

- 1 And 2 Family Residential
- Multi-Family Residential
- Mixed Use
- Open Space And Outdoor Recreation
- Commercial
- Institutional
- Industrial
- Parking
- Transportation / Utilities

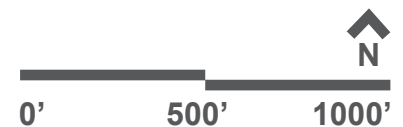


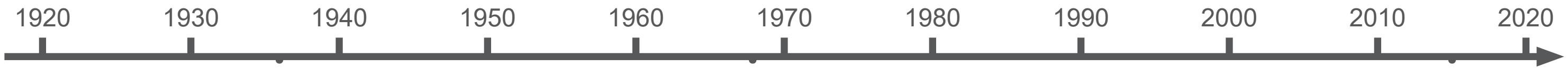
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79th Street Boat Basin | Surrounding Land Use





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79th Street Boat Basin | Neighborhood Context





Approx. 1936



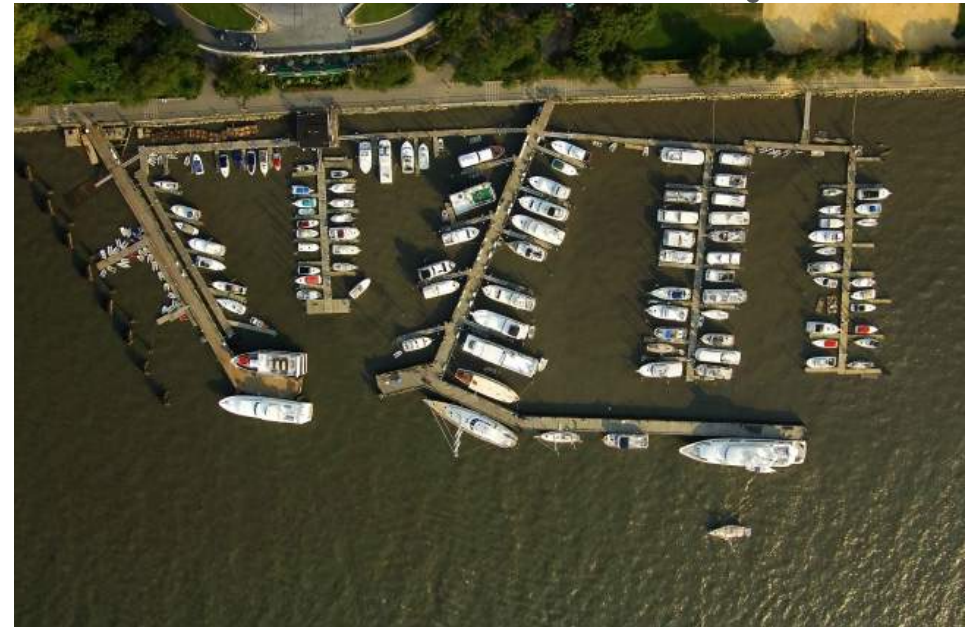
Original Construction

Approx. 1968



Southern Expansion

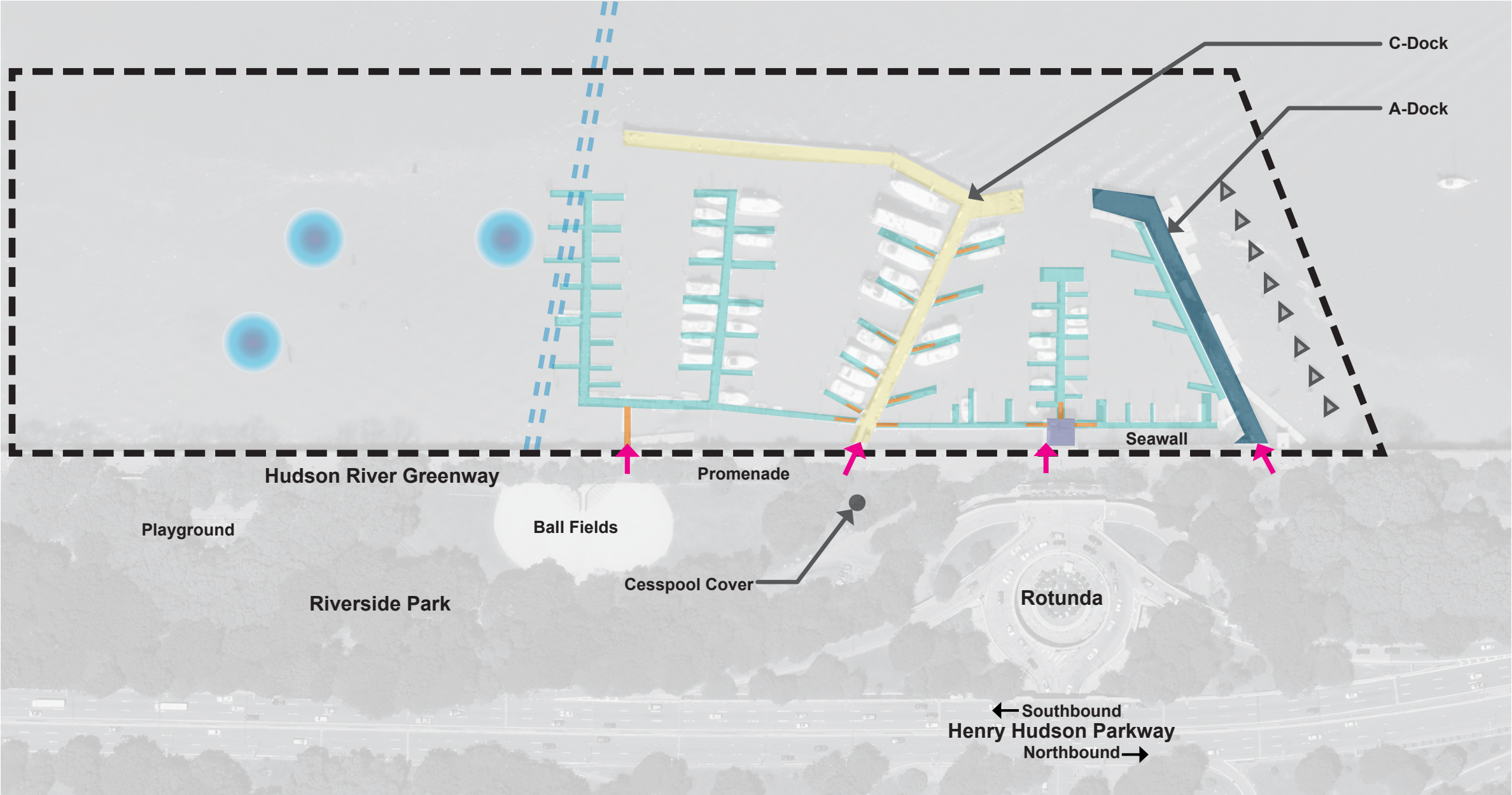
Approx. 2015



Current Configuration



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79th Street Boat Basin | Historical Context

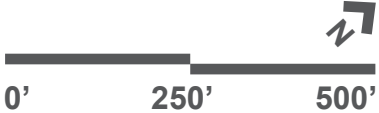


Legend

- Project Limit
- Pedestrian Entrance
- Damaged Fixed Pier
- Damaged Floating Docks
- Rebuilt Fixed Pier (2016)
- Damaged Gangway
- Damaged Dockhouse
- Debris Field
- Existing Icebreaker
- Existing Gas Pipeline
- Vehicular Traffic



Manhattan Community Board 7 79th Street Boat Basin | Existing Layout and Site Analysis





1 - View from Café Looking West



2 - View from Floating Dock Looking North

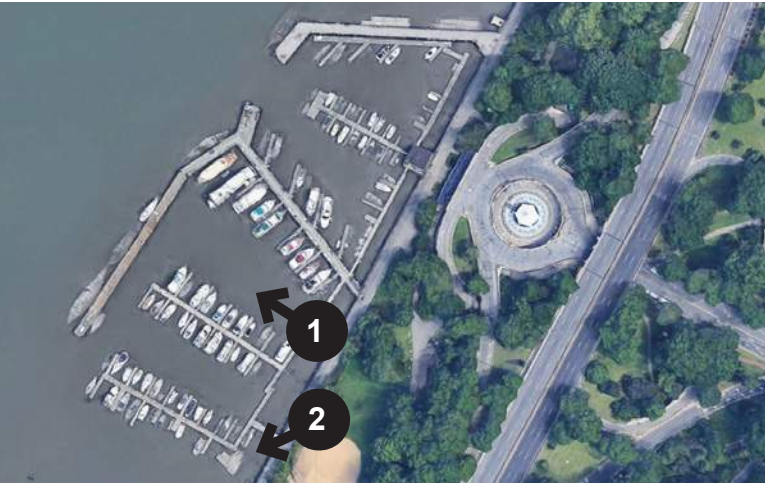




1 - View Looking West at Wave Screen



2 - View from Promenade Looking Southwest





1 - C-Dock at Low Tide

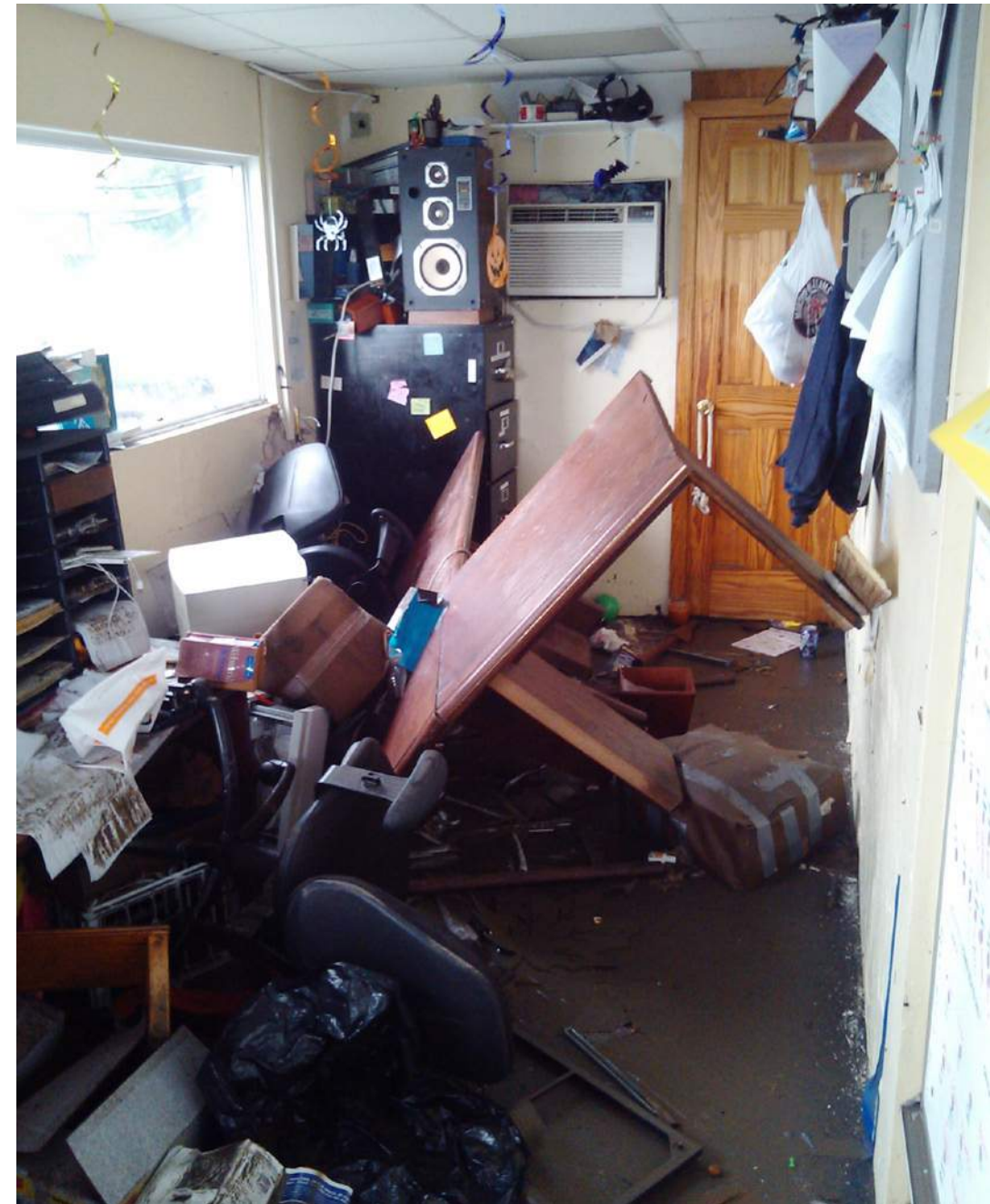


2 - D-Dock Ice Damage





Dock & Gangway Damage



Dockhouse Office After Flood

Stakeholder Outreach:

- 79th Street Boat Basin Boaters
- Riverside Park Conservancy
- Community Board 7
- Borough President Gale Brewer
- Council Member Helen Rosenthal
- Assembly Member Linda Rosenthal
- State Senator Robert Jackson
- Congressional District Staff, Rep. Jerry Nadler
- NYPD 20th Precinct
- NYPD Harbor Patrol
- FDNY Marine Unit
- U.S. Coast Guard Waterways Management
- Dedicated Email: boatbasin@parks.nyc.gov



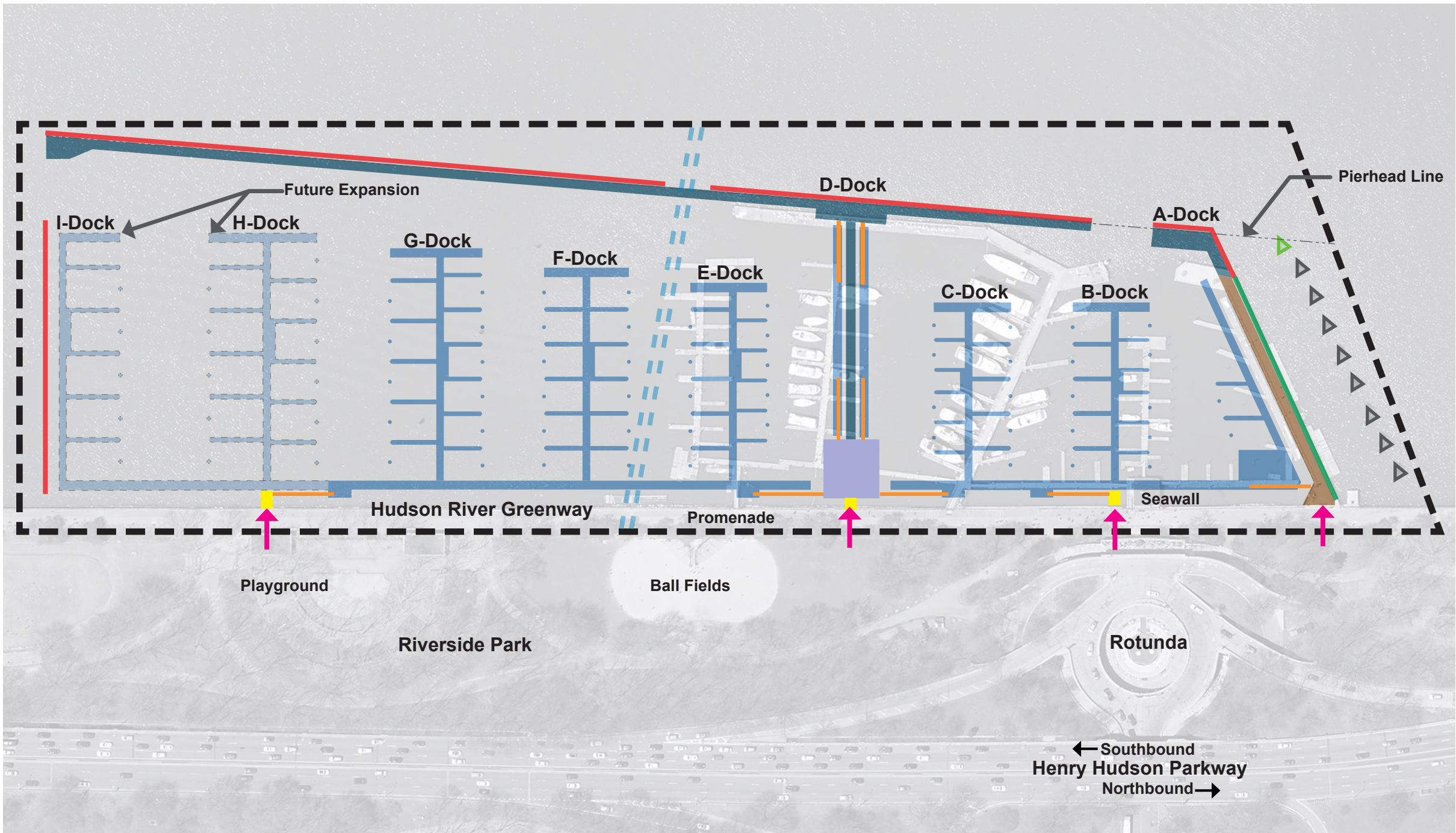
Visioning Session with 79th Street Boat Basin Boaters 10/24/19



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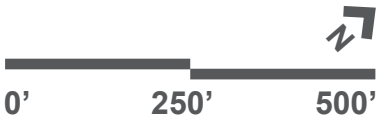


Manhattan Community Board 7
79th Street Boat Basin | Stakeholder Outreach



Legend

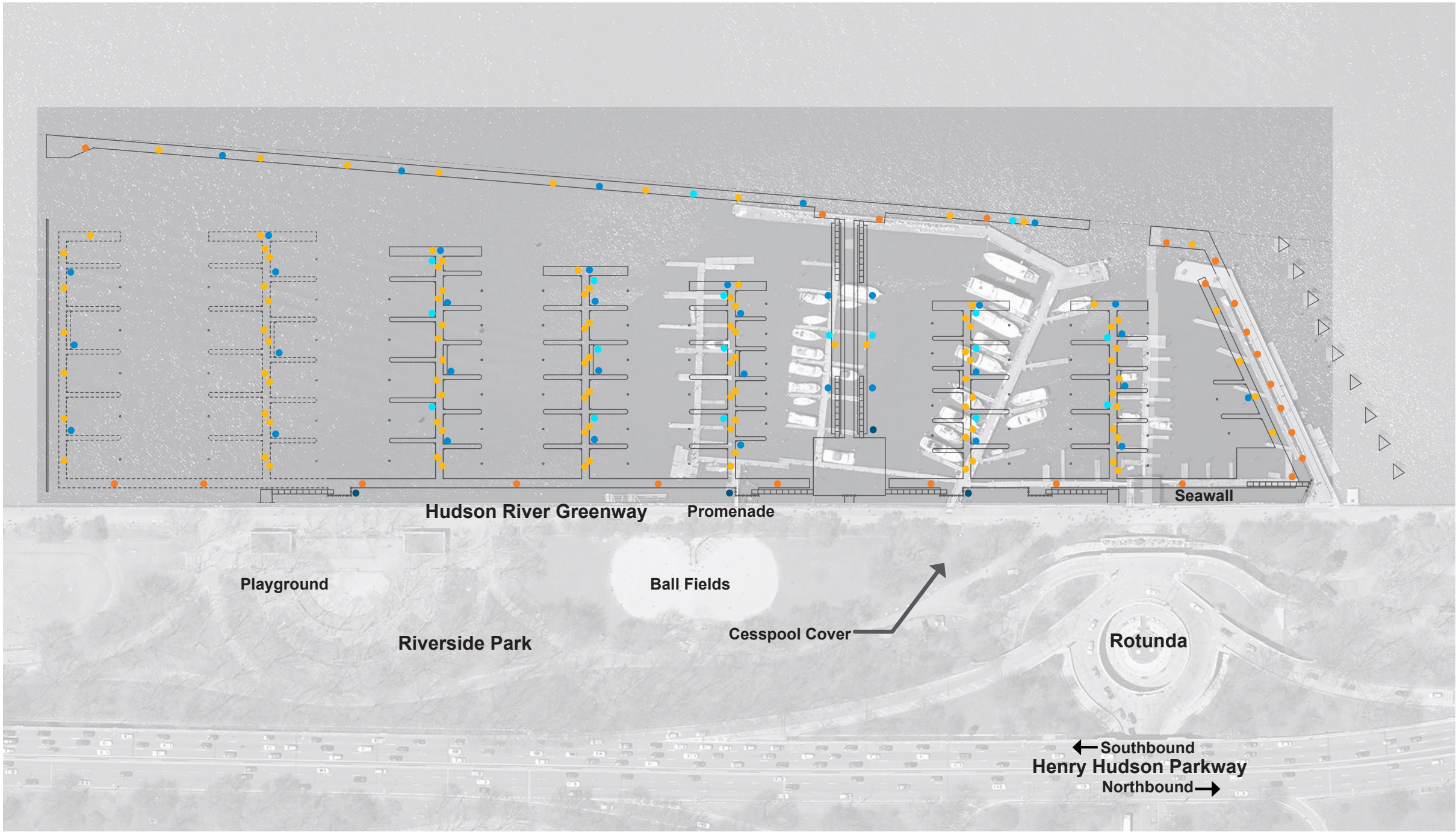
- Project Limit
- Pedestrian Entrance
- Existing Fixed Pier to Remain
- Existing Debris Screen to Remain
- Fixed Pier
- Wave Screen
- Gas Line
- Floating Docks (w/ Dash = Future)
- Gangway
- Elevated Dockhouse over Fixed Pier
- Access Platform
- New Icebreaker
- Existing Icebreaker
- Vehicular Traffic








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Manhattan Community Board 7 79th Street Boat Basin | Preliminary Design Plan



Legend

-  Power Pedestal
-  Light Bollard
-  Winter Potable Water
-  Pump-Out Unit
-  Pump-Out Connection

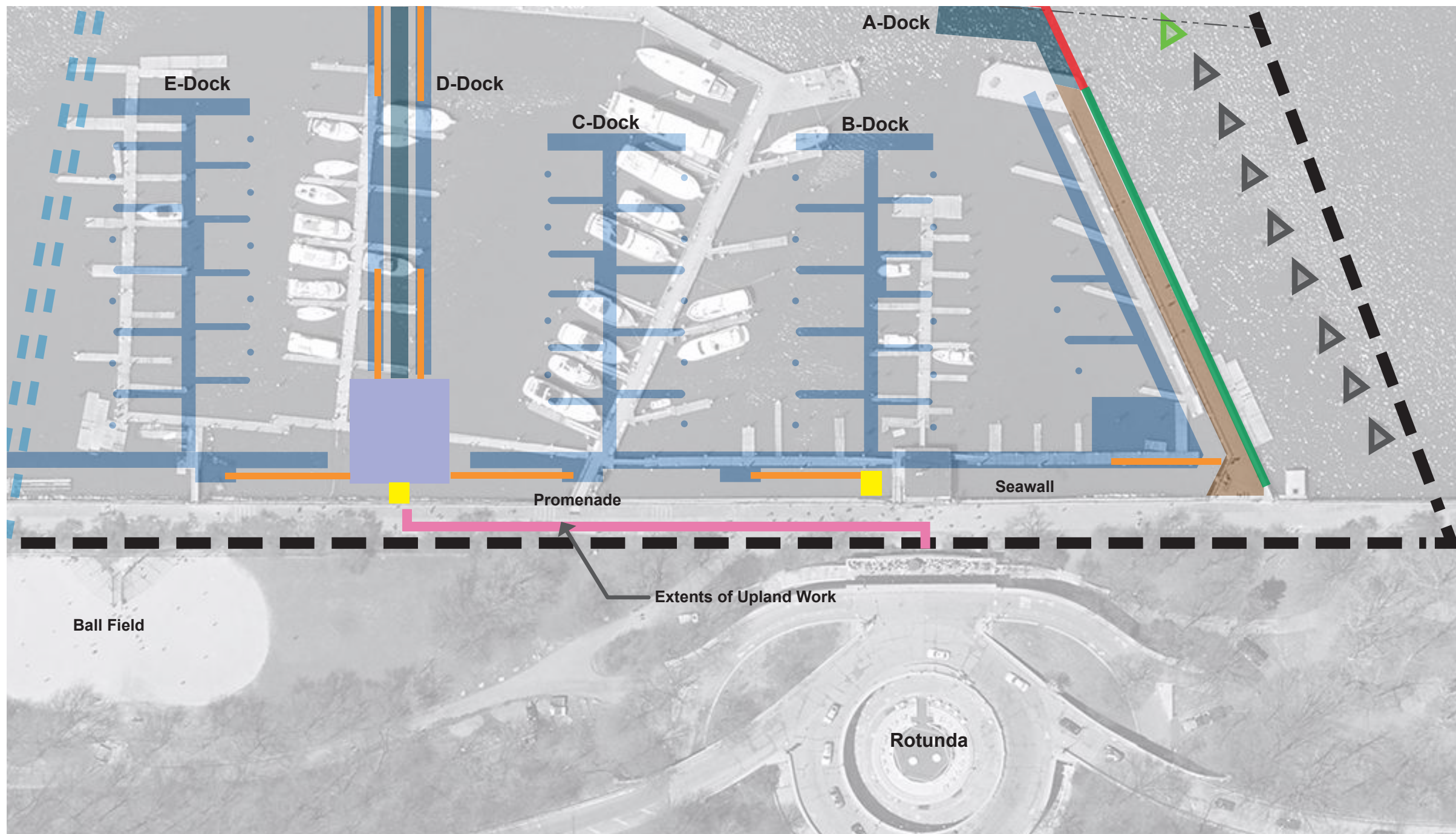


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79th Street Boat Basin | Marina Utility Plan





Legend

- | | |
|---|---|
|  | Project Limit |
|  | Existing Fixed Pier to Remain |
|  | Existing Debris Screen to Remain |
|  | Fixed Pier |
|  | Wave Screen |
|  | Gas Line |
|  | Floating Docks (w/ Dash = Future) |
|  | Gangway |
|  | Elevated Dockhouse over Fixed Pier |
|  | Access Platform |
|  | New Icebreaker |
|  | Existing Icebreaker |
|  | Extents of Upland Work |

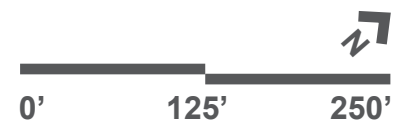


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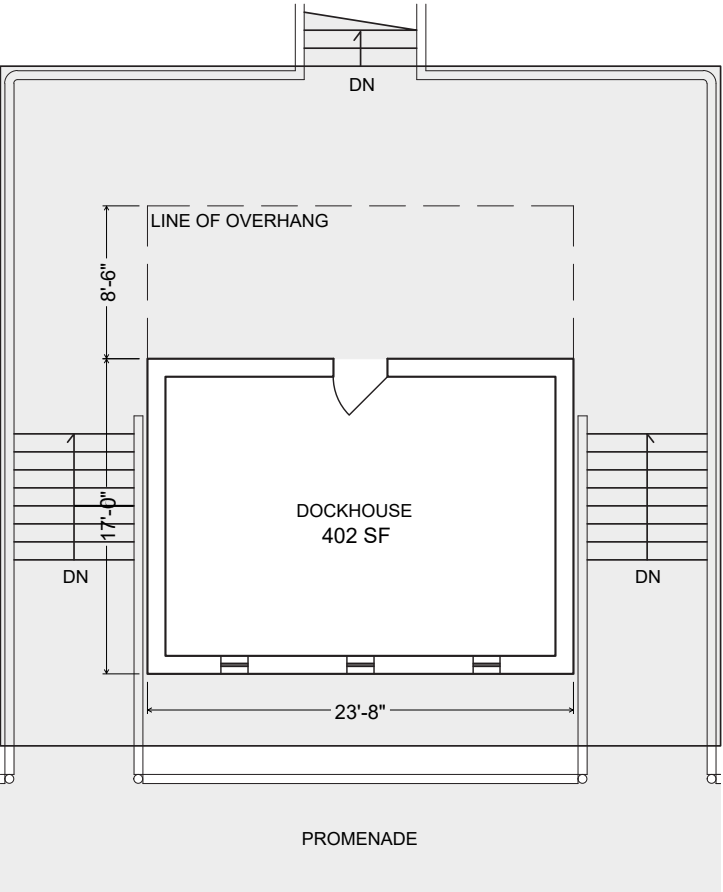
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79th Street Boat Basin | Limits of Upland Work

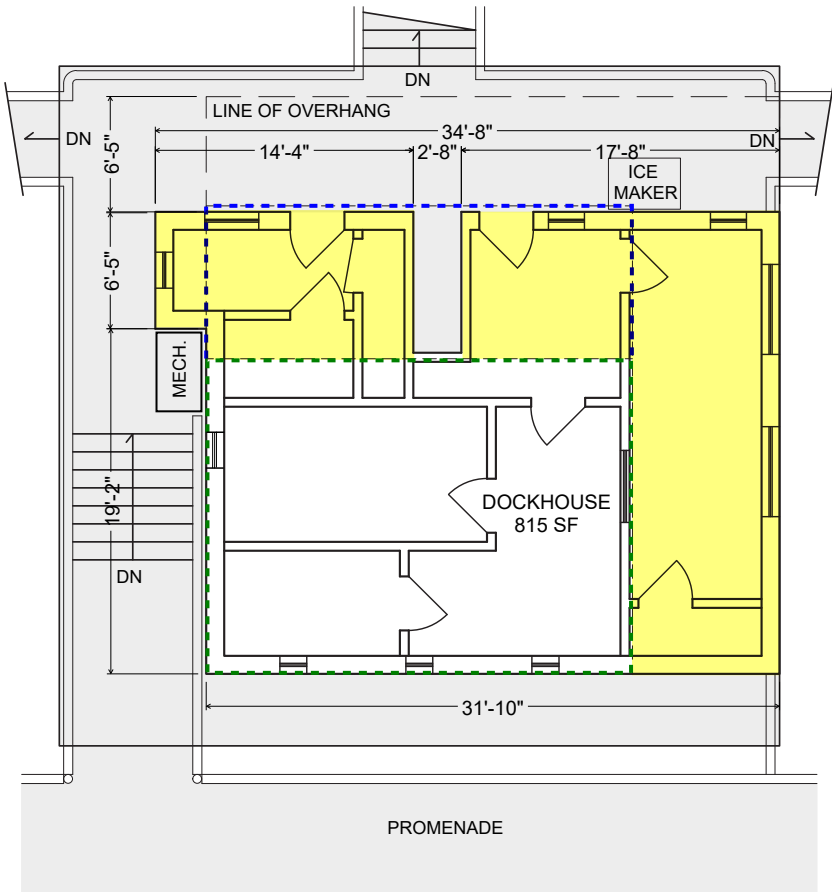


Legend

- 2003 Additions - 413 SF
- Outline of Original Overhang
- Outline of Original Dockhouse



Original 1937



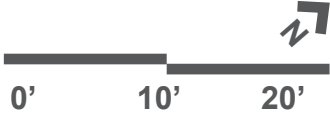
Existing Layout

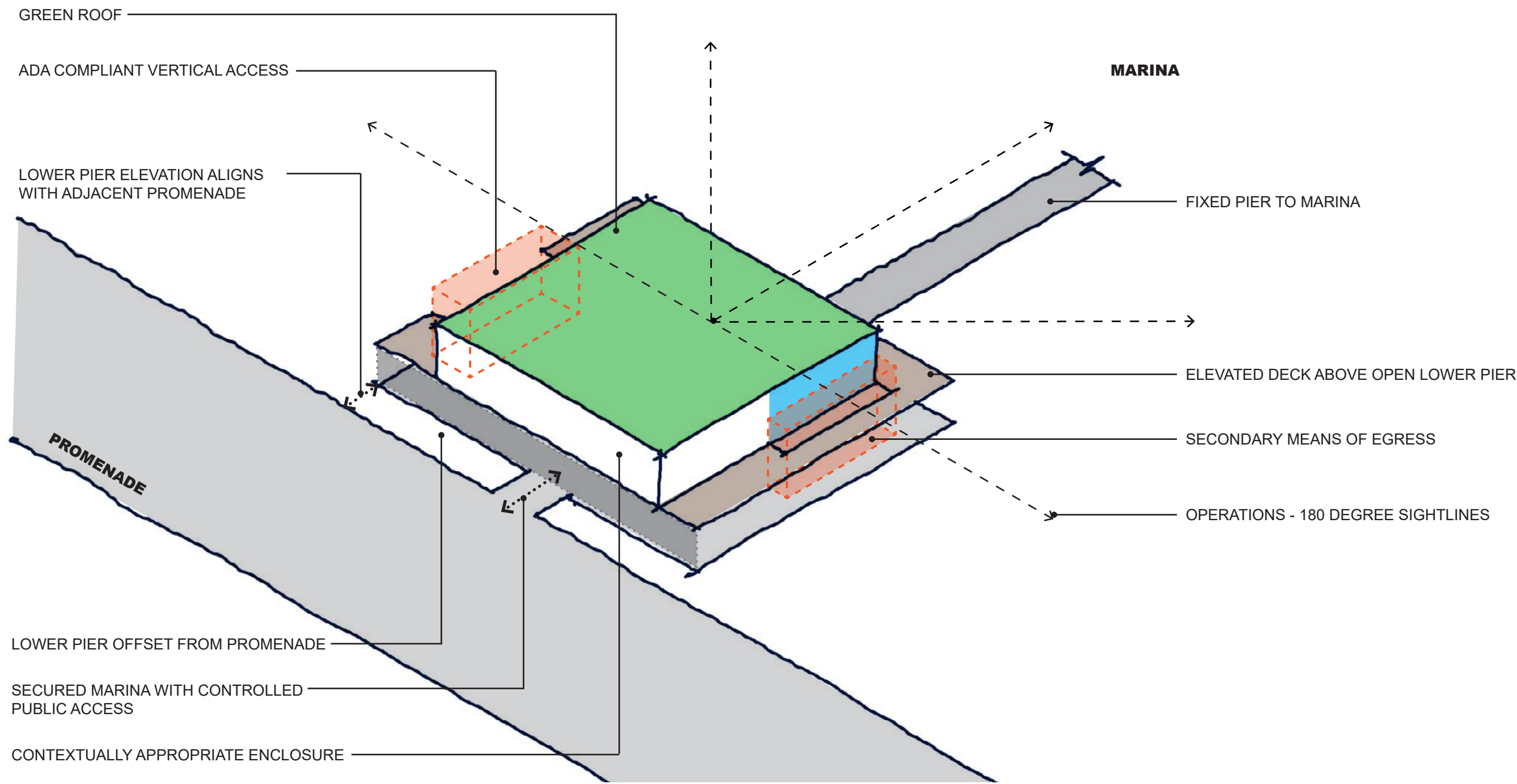


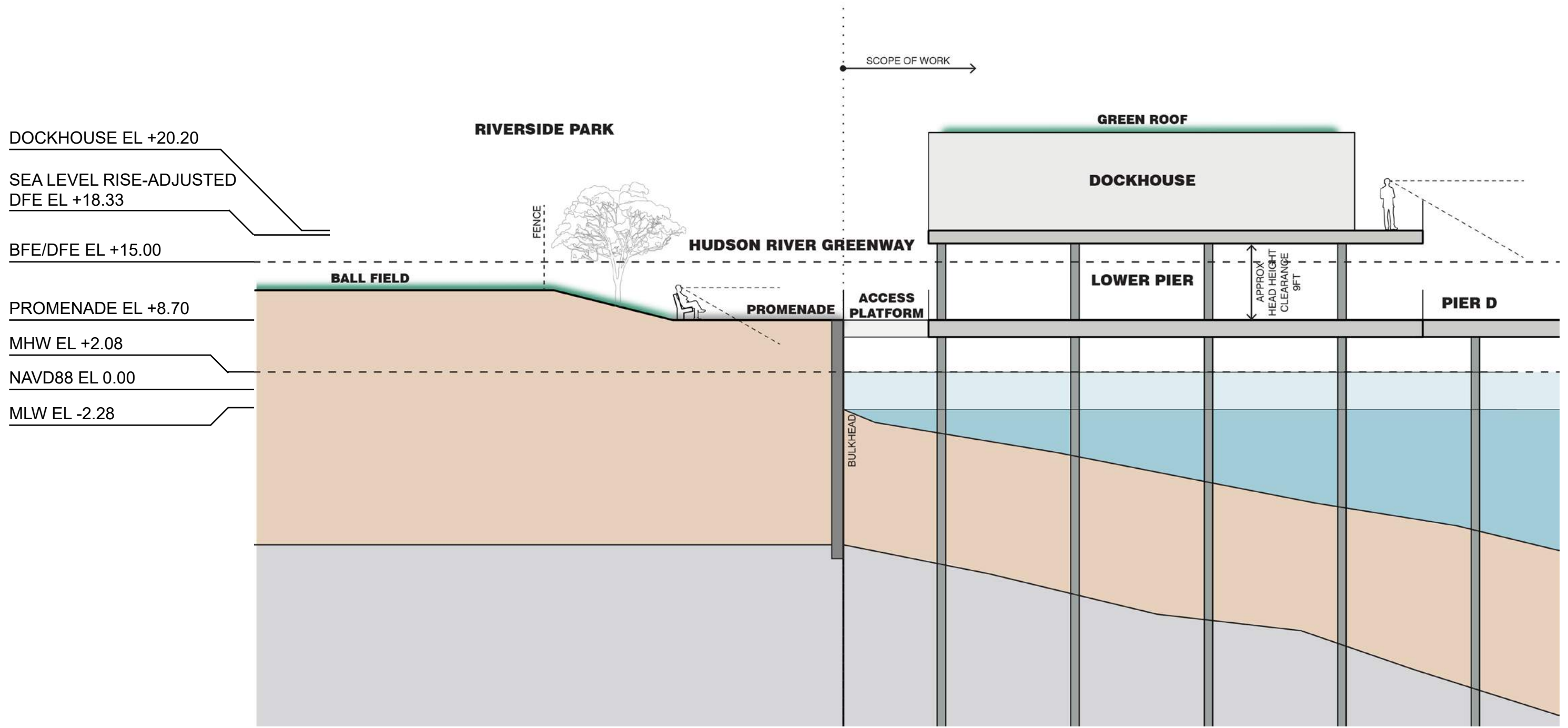
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79th Street Boat Basin | Dockhouse History

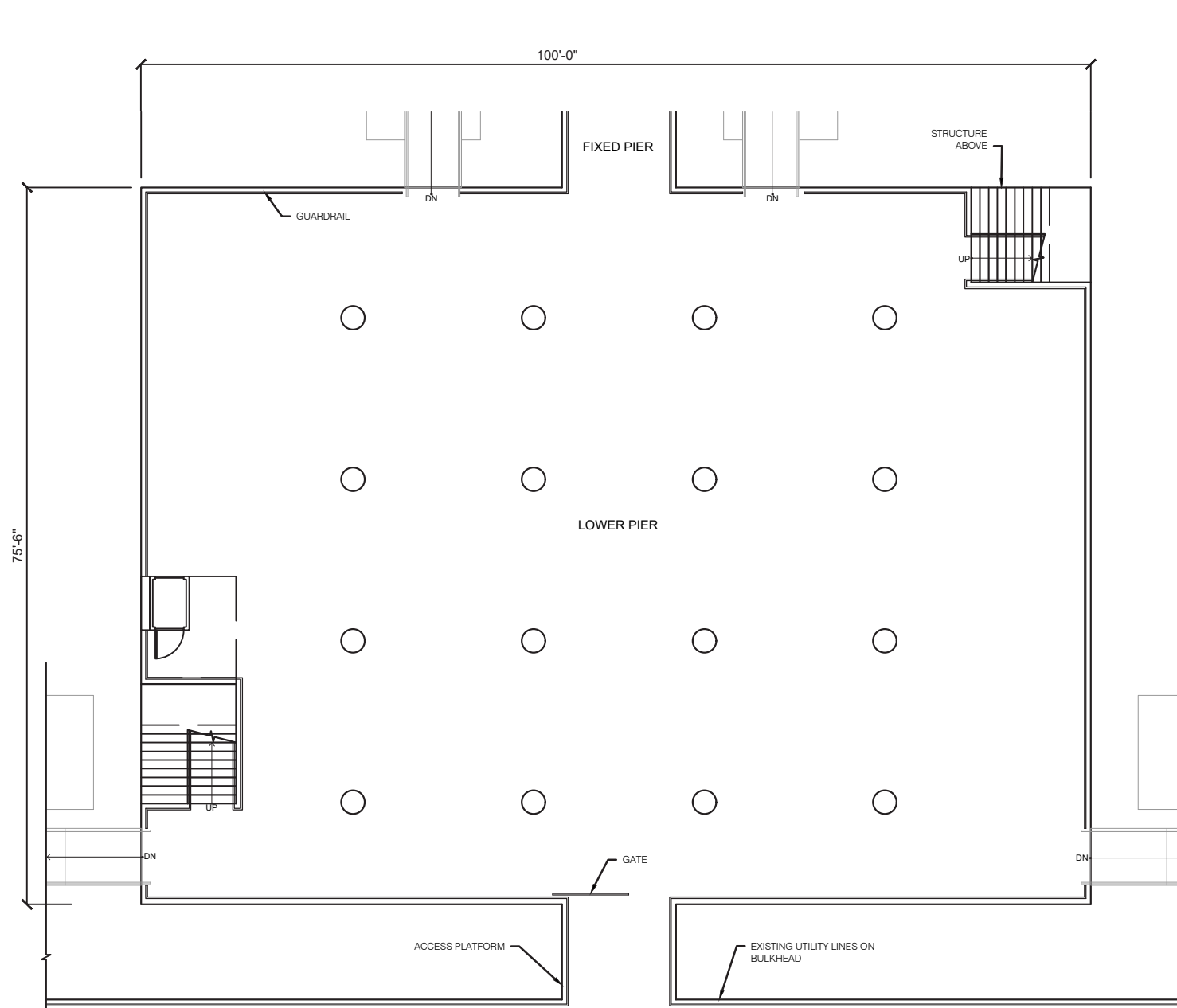






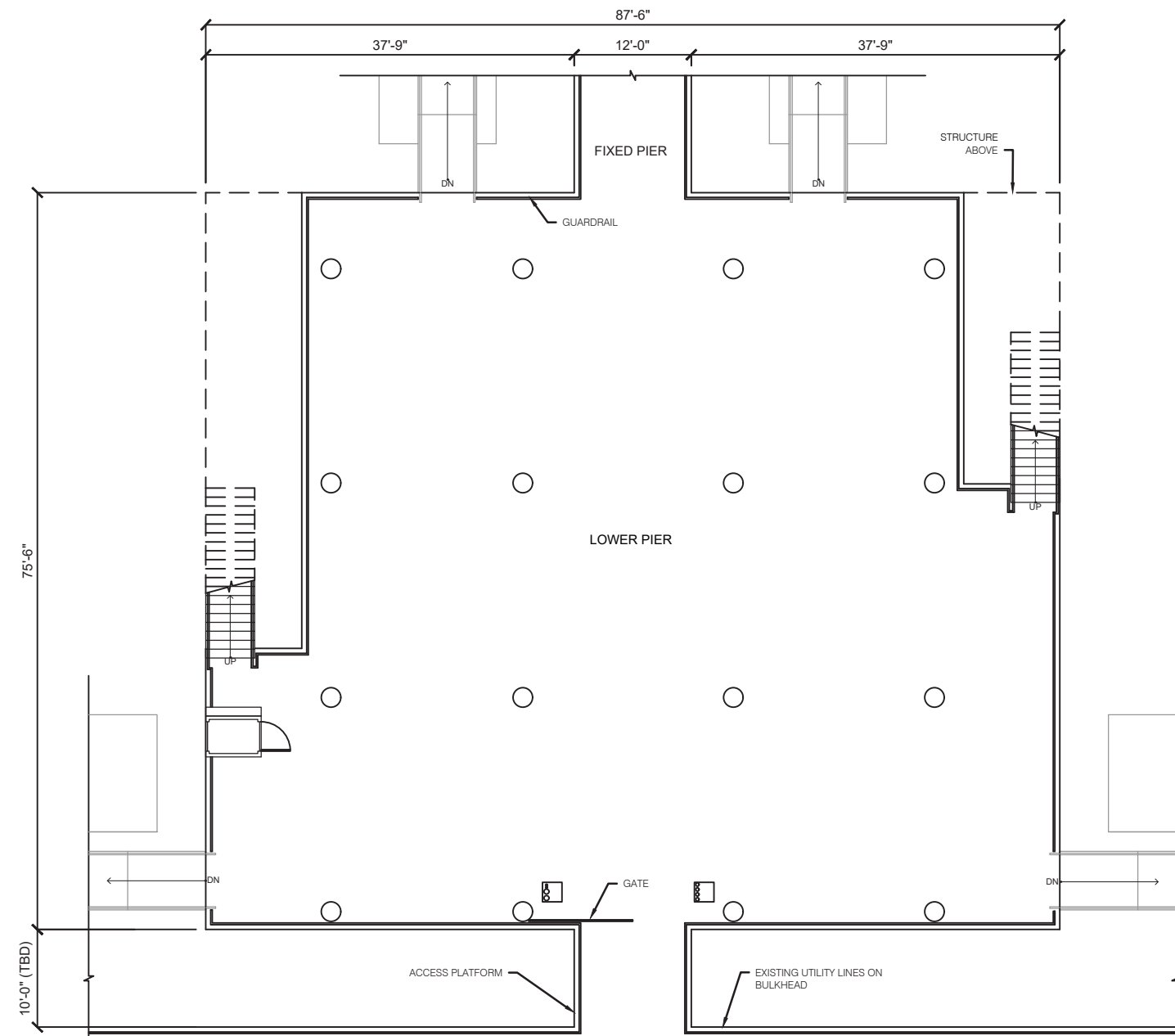
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79th Street Boat Basin | Elevated Dockhouse Section





Conceptual PDC Approved Lower Pier Level

Lower Deck
7,550 SF



Updated Lower Pier Level

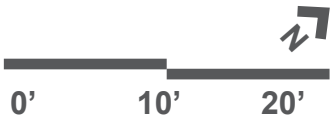
Lower Deck
5,855 SF (Reduced by 1,695 SF)

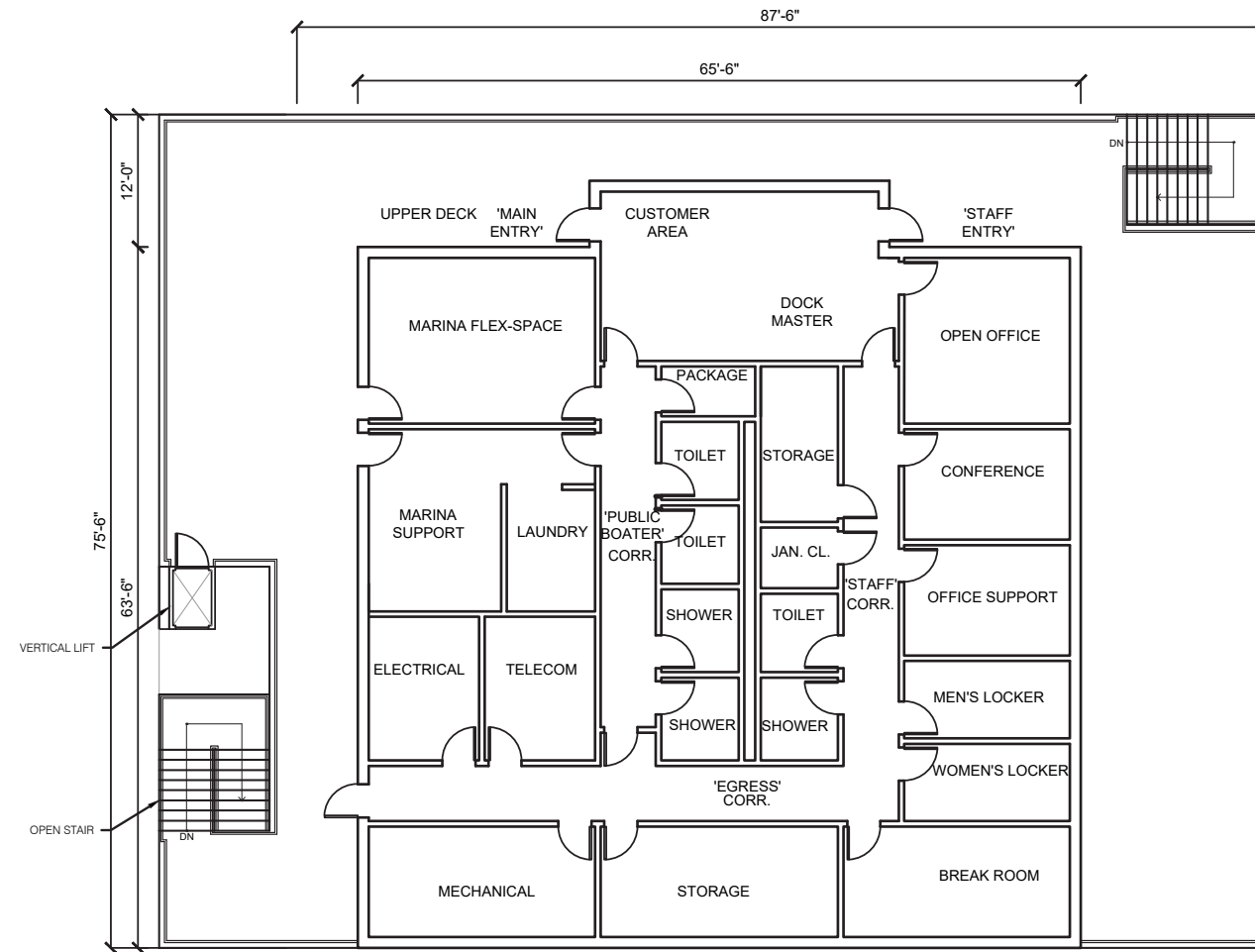


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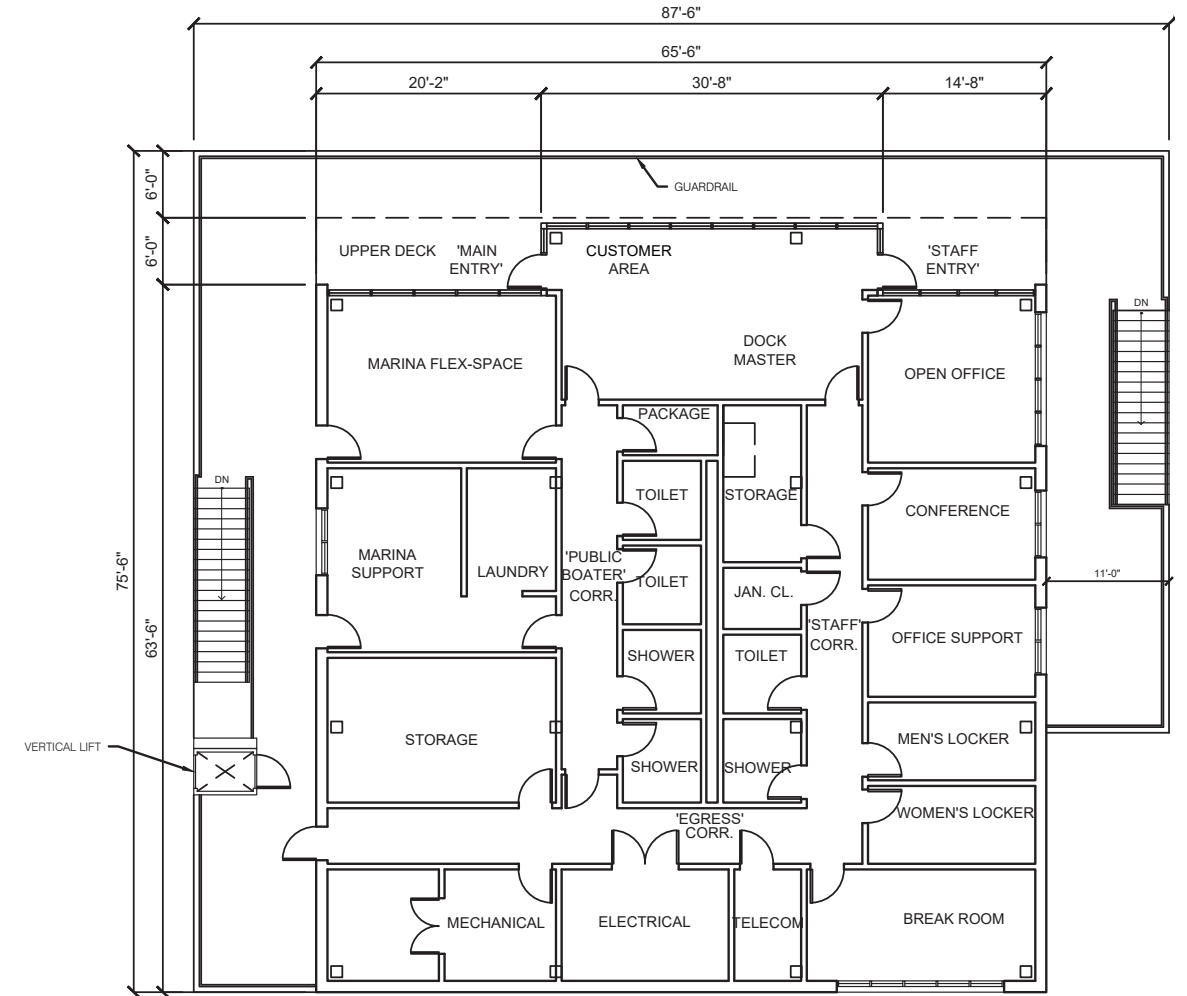
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79th Street Boat Basin | Lower Pier Plan





Conceptual PDC Approved Elevated Dockhouse Floor Plan

Upper Level
 Building Area: 4,322SF
 Outdoor Deck Area: 3,228 SF
 Total: 7,550 SF



Updated Elevated Dockhouse Floor Plan

Upper Level
 Building Area: 4,330 SF
 Outdoor Deck Area: 2,040 SF
 Total: 6,370 SF (Reduced by 1,180 SF)



Clerestory Window
(or louvers depending
on interior program)

Recycled Plastic Lumber
Cladding

Metal Panel Cladding

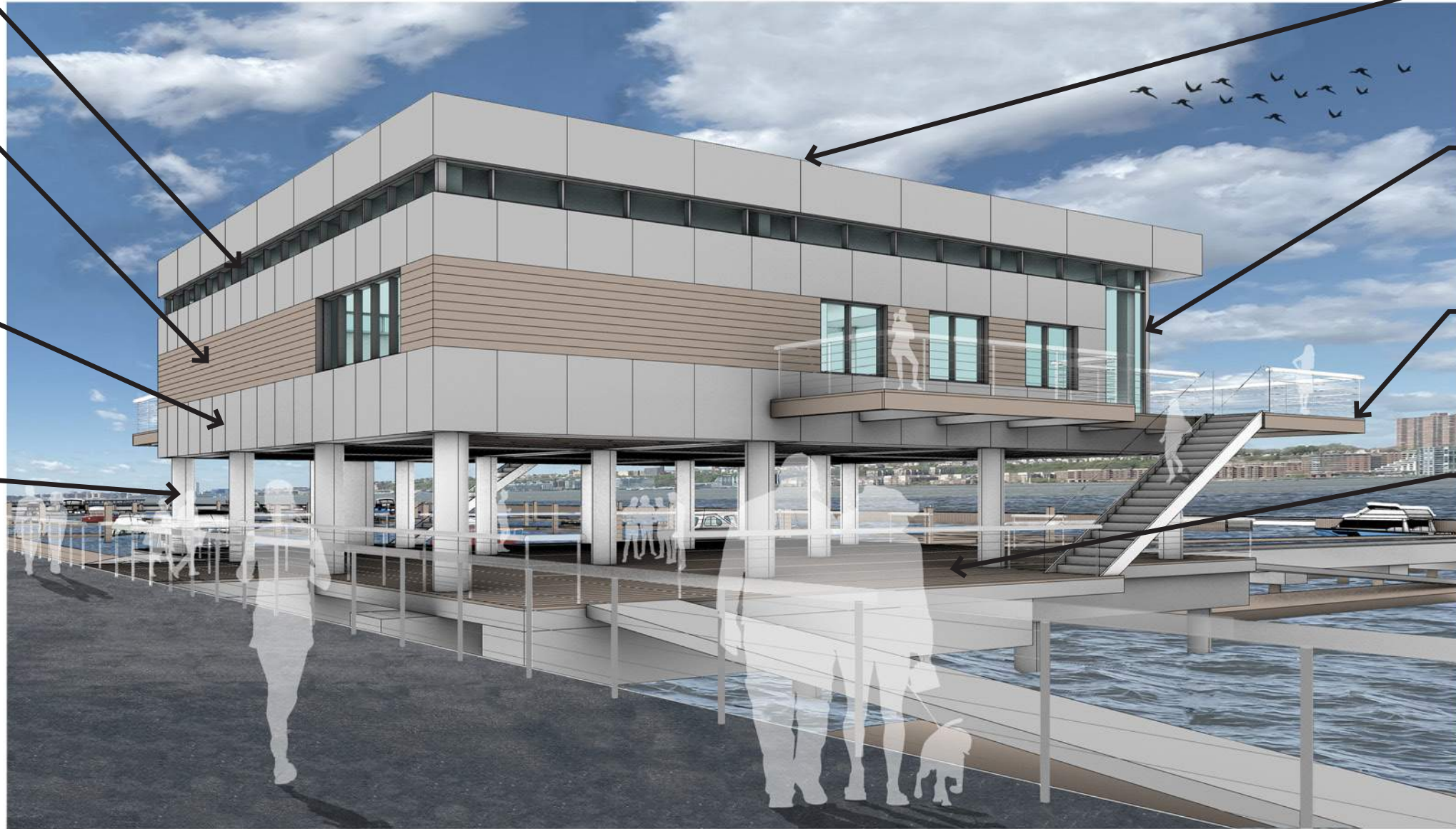
Concrete Columns

Green Roof

Storefront System

Timber Deck

Timber Deck



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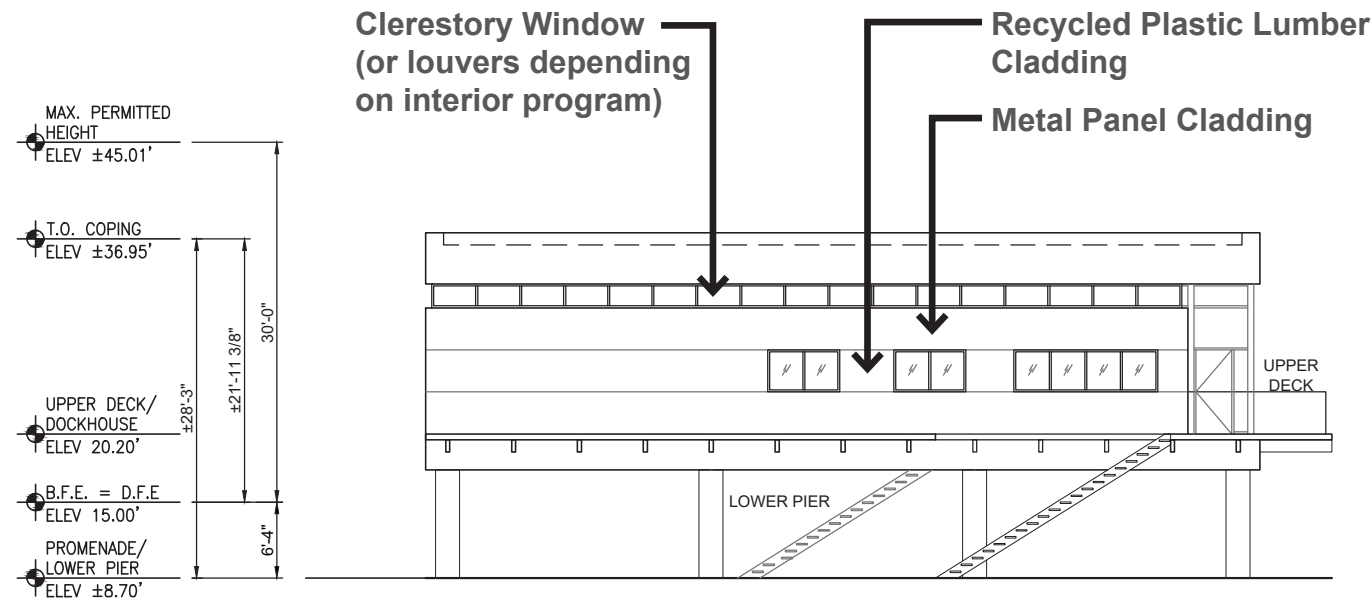
79th Street Boat Basin | Promenade View from the North



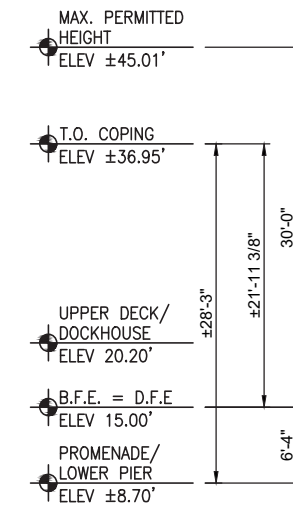




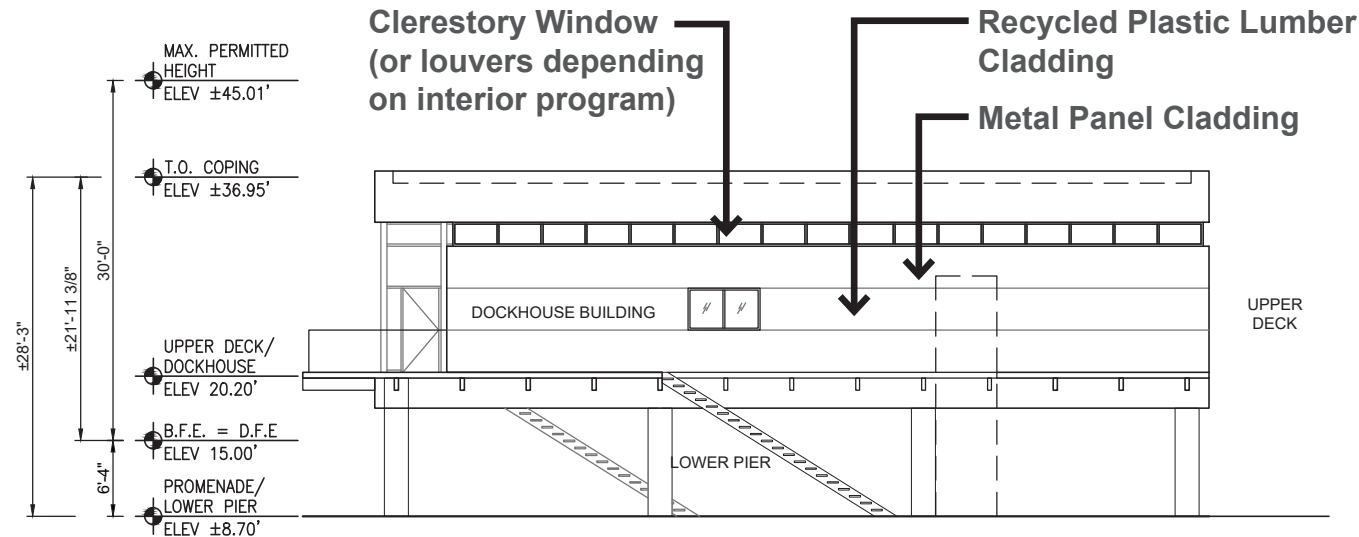




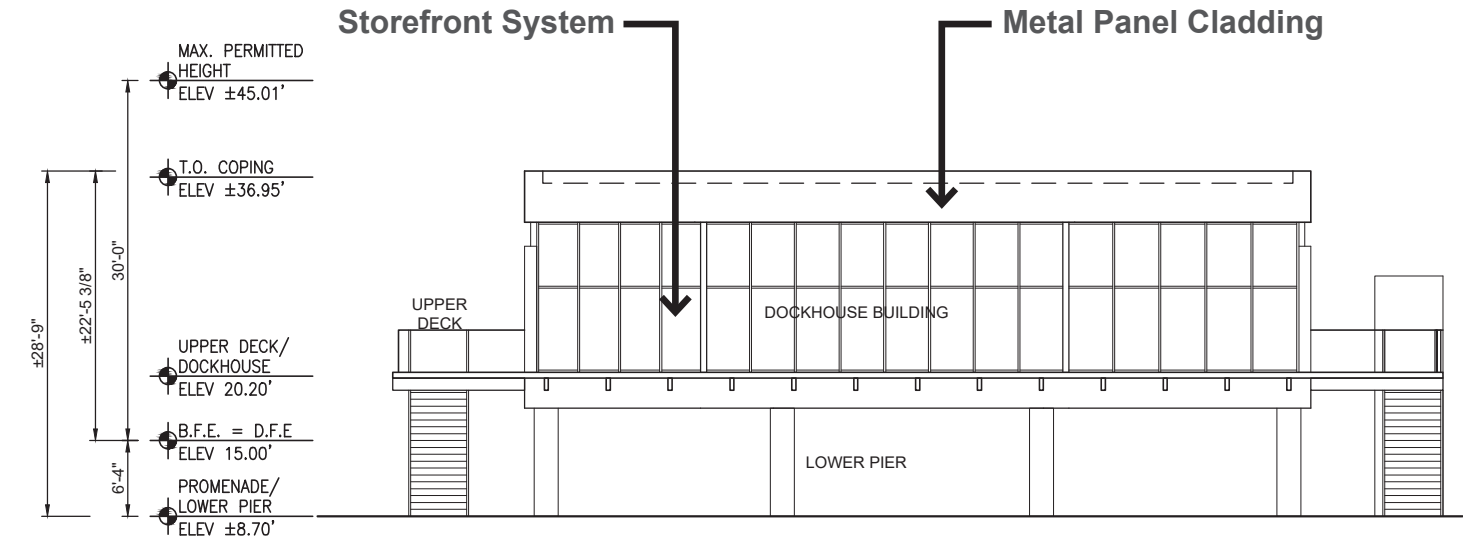
North Elevation



East Elevation



South Elevation



West Elevation

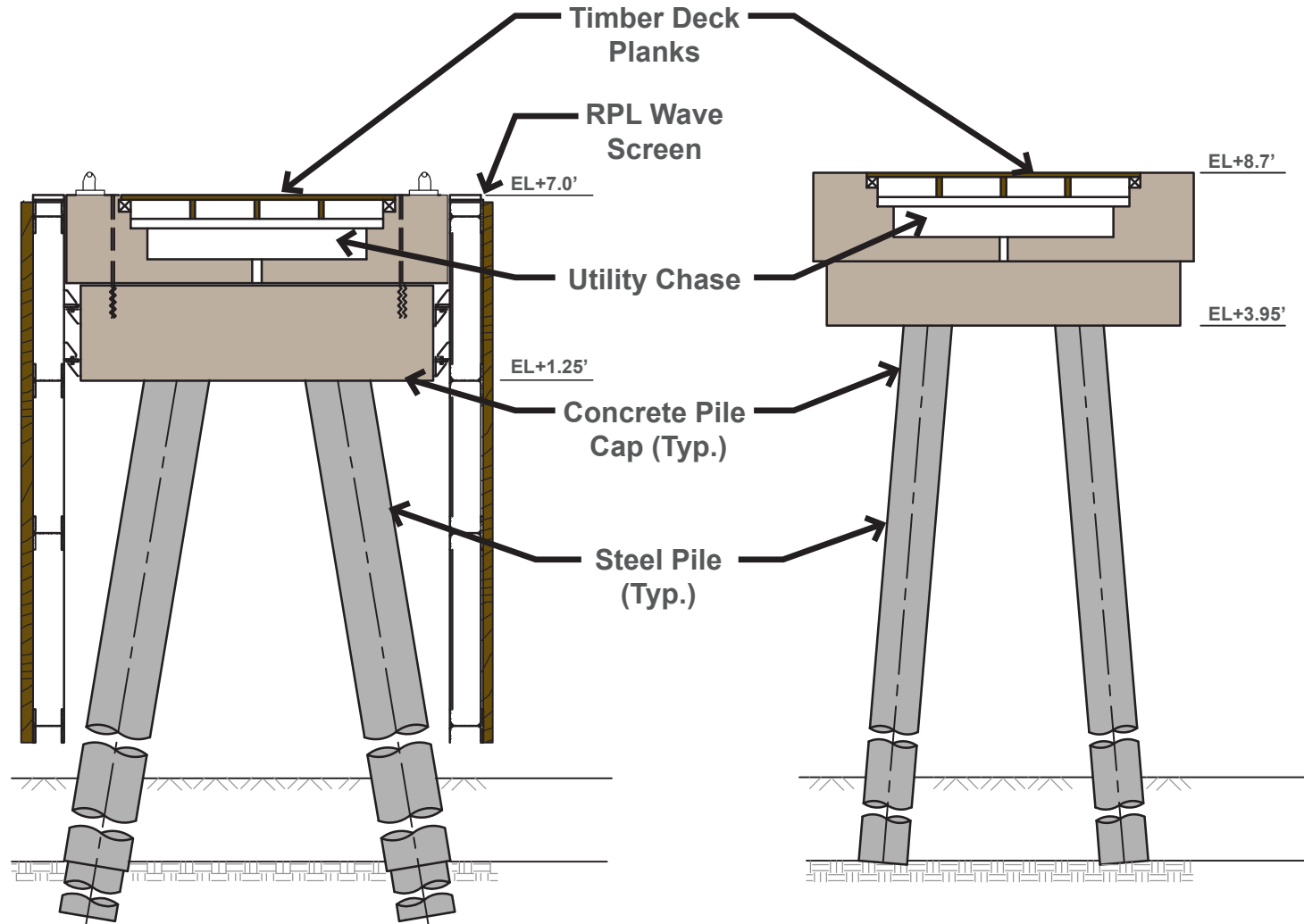


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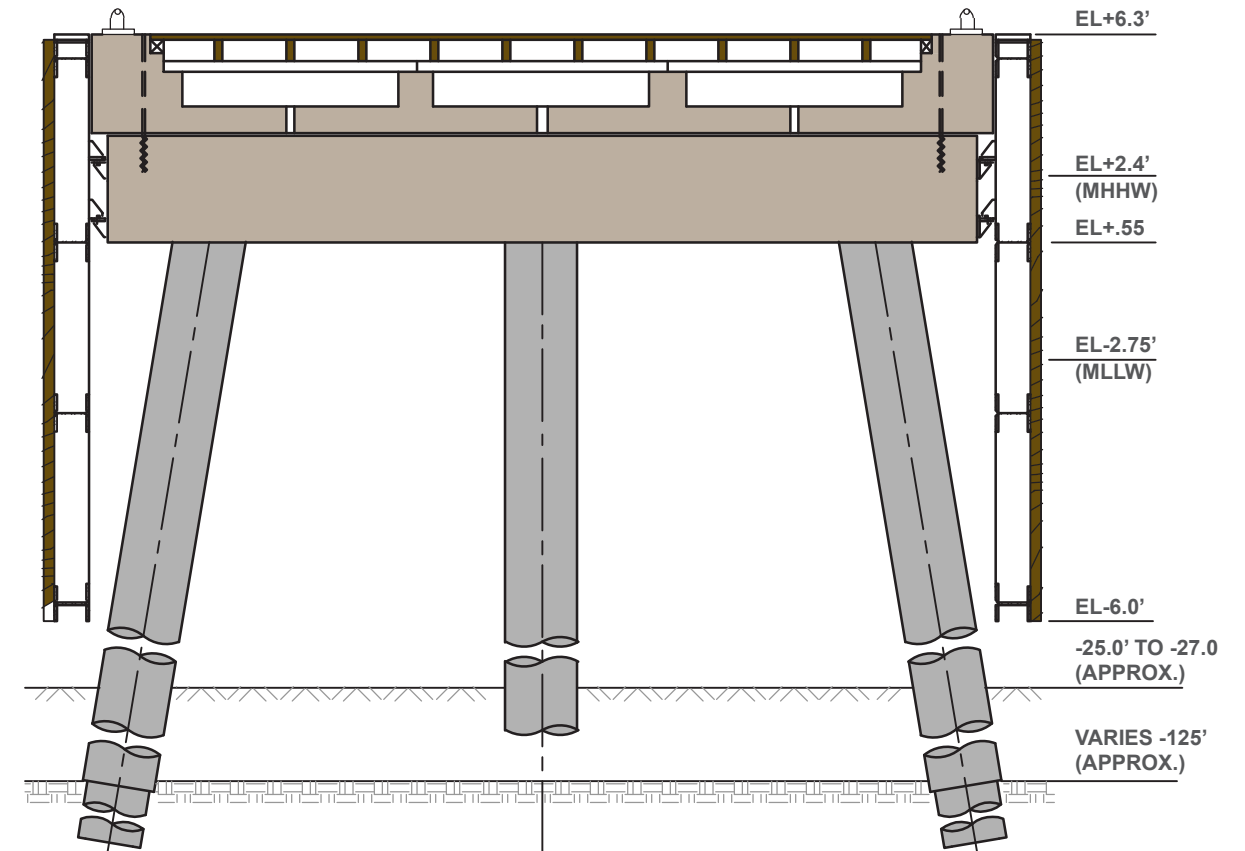
Manhattan Community Board 7 79th Street Boat Basin | Building Elevations





West Pier Section

D Dock Pier Section



A Dock Pier Extension Section



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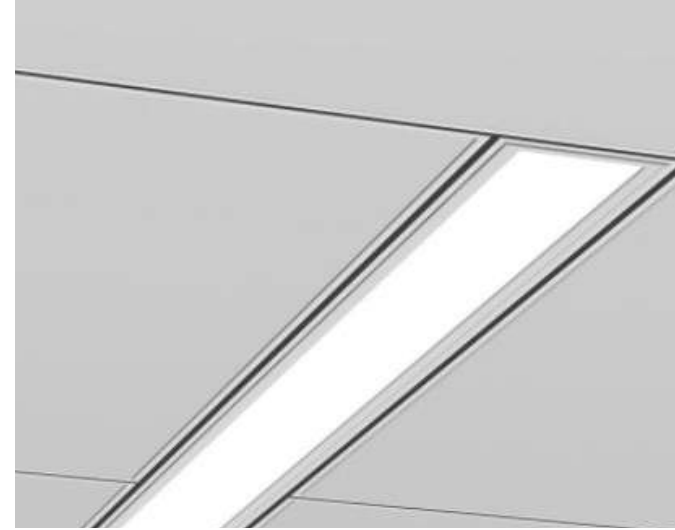
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79th Street Boat Basin | Fixed Pier Sections



Metal Panels



Recycled Plastic Lumber (RPL)



Recessed Linear Light Fixture



Green Roof



Storefront/Aluminum Windows



Louver



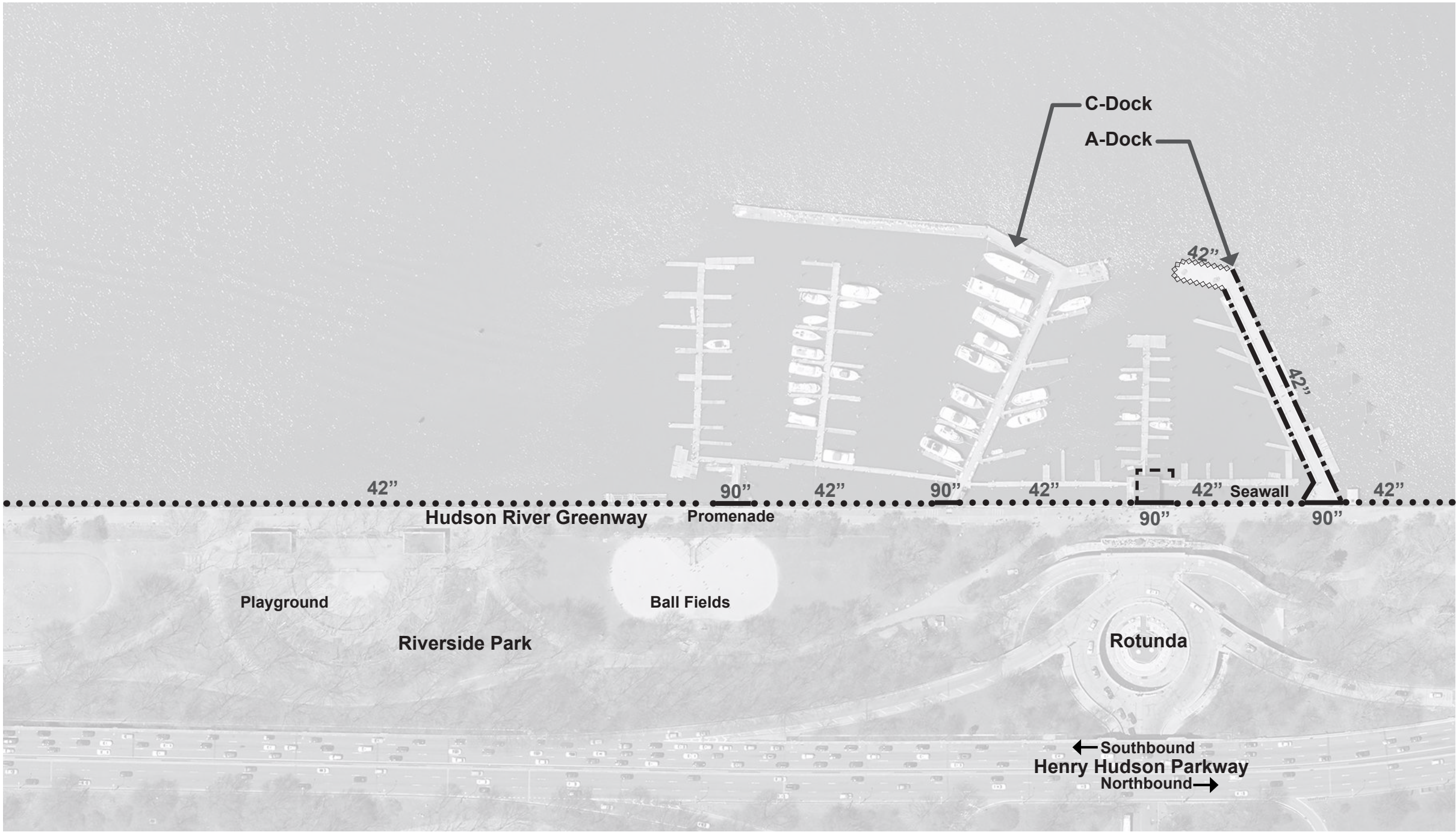
Stair



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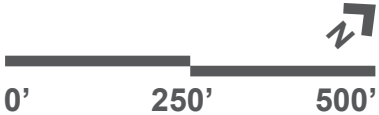
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79th Street Boat Basin | Dockhouse Materials

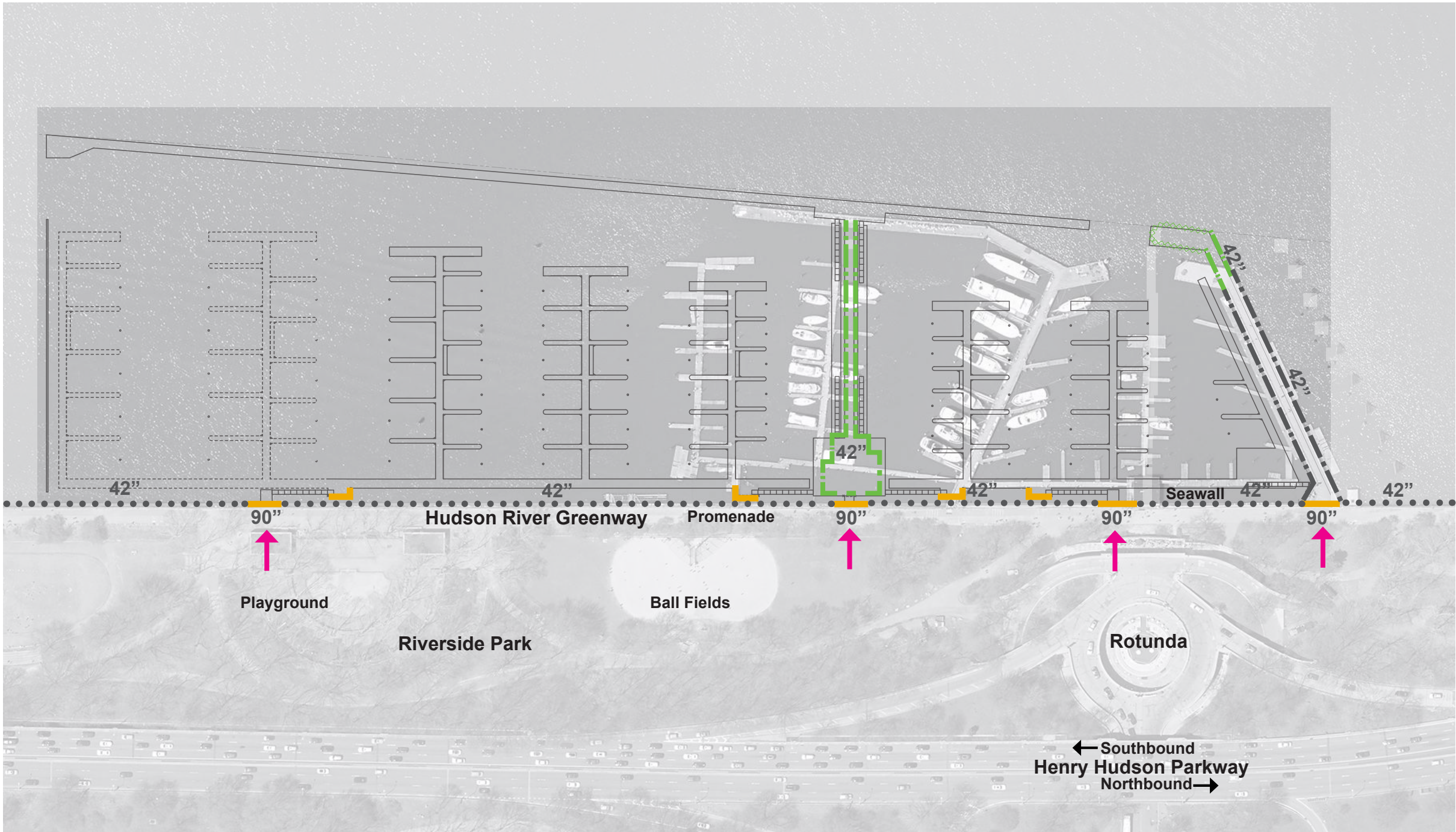


Legend

(X = Height)

- ...X... Pipe/CLF (Promenade)
- - X - - Pipe (Dockhouse Deck)
- - X - - Pipe/Cable (A-Dock)
- XXXXX X Pipe/Chain (A-Dock)
- X - Steel Picket Gate





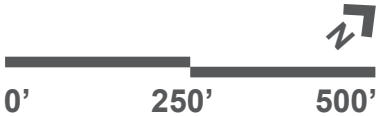
Legend

(X = Height)

- ...X... Existing Pipe/CLF (Promenade)
- X- Existing Pipe/Cable (A-Dock)
- X- Pipe/Cable (A-Dock & Dockhouse)
- X Pipe/Chain (A-Dock)
- X Steel Picket Gate/Fence
- ➔ Pedestrian Entrance



Manhattan Community Board 7 79th Street Boat Basin | Proposed Searail/Gate Diagram





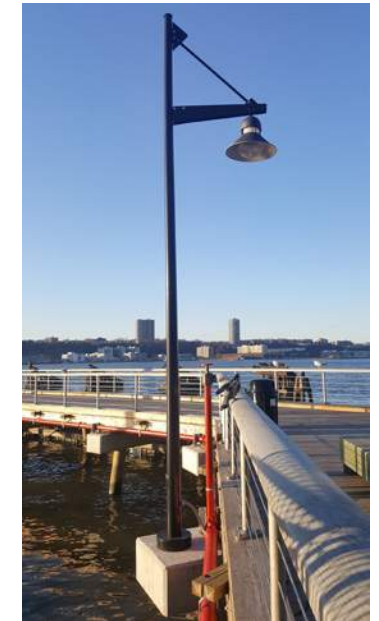
Utility/Power Pedestals



Dock Boxes



Pumpout Station



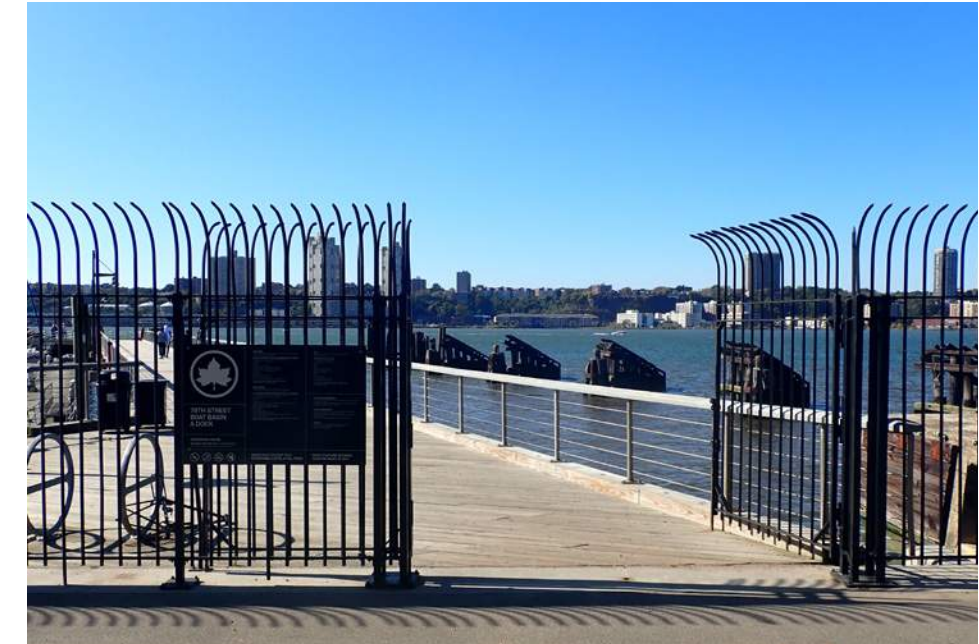
Pier Lighting



Promenade Searail



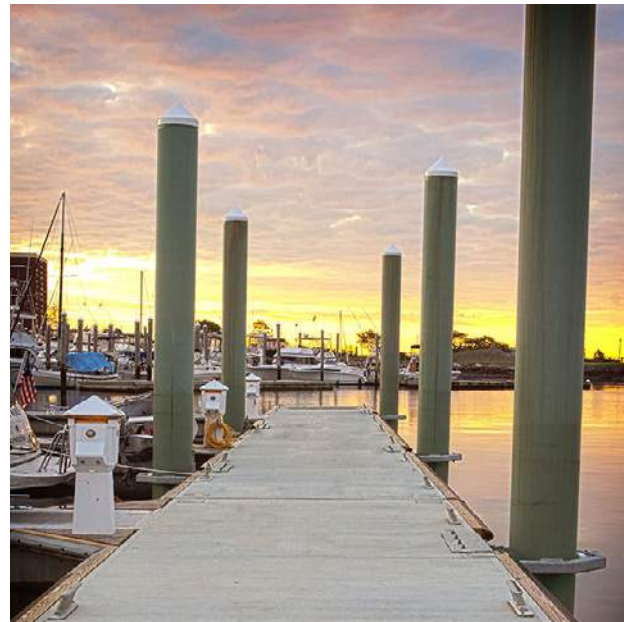
Marina Searail



Steel Picket Gate



Concrete Floating Docks



Floating Dock Pile Guides



Aluminum Gangway



Steel Piles & Concrete Pile Caps



Vertical Plank Wave Screen (To be RPL Planks)



Timber Deck



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79th Street Boat Basin | Proposed Floating Docks & Fixed Pier (Precedents)