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)
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
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

Mooring Area

1500 FT

NYC Parks

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79th Street Boat Basin | Project Location with Mooring Area
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 FIRMs

- 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).

Zone VE (EL 15)
- Moderate wave action

Zone AE (EL 10)
- Moderate wave action (not indicated)

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

2007 - FEMA FIRMs: 3604970086F
- Zone AE (EL 10)
- Moderate wave action (not indicated)
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Manhattan Community Board 7

Historical Context

Original Construction
Approx. 1936

Southern Expansion
Approx. 1968

Current Configuration
Approx. 2015
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

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79th Street Boat Basin | Low Tide & Ice Damage
Dock & Gangway Damage

Dockhouse Office After Flood

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79th Street Boat Basin | Hurricane Sandy Damage
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
Dockhouse Design Criteria

- Promenade
- ADA compliant vertical access
- Lower pier elevation aligns with adjacent promenade
- Green roof
- Contextually appropriate enclosure
- Lower pier offset from promenade
- Secured marina with controlled public access
- Operations - 180 degree sightlines
- Elevated deck above open lower pier
- Secondary means of egress
- Fixed pier to marina
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)
Conceptual PDC Approved Elevated Dockhouse Floor Plan

Upper Level
Building Area: 4,322 SF
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)

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79th Street Boat Basin | Elevated Dockhouse Floor Plan
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79th Street Boat Basin | View looking Southwest from path North of Ballfields
Clerestory Window
(or louvers depending on interior program)

Recycled Plastic Lumber Cladding

Metal Panel Cladding

Concrete Columns

Green Roof

Storefront System

Timber Deck

Recycled Plastic Lumber Cladding

Timber Deck

Promenade View from the North
Metal Panel Cladding
Metal Panel Soffit
Concrete Columns
Linear Light Fixture
Recycled Plastic Lumber Ceiling
Timber Deck
9'-0" Clear
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79th Street Boat Basin | View of South Wave Screen from Promenade (Includes Future Build-Out)
Timber Deck
Planks
RPL Wave
Screen
Utility Chase
Concrete Pile Cap (Typ.)
Steel Pile (Typ.)

West Pier Section
D Dock Pier Section
A Dock Pier Extension Section

30th Street Boat Basin
Manhattan Community Board 7

<table>
<thead>
<tr>
<th>Fixed Pier Sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'</td>
</tr>
<tr>
<td>10'</td>
</tr>
<tr>
<td>20'</td>
</tr>
</tbody>
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[1119x16]79th Street Boat Basin
Manhattan Community Board 7

[408x39]Timber Deck
Planks

[279x573]EL+6.3'
EL+8.7'

[295x559]EL+4.9'

[254x505]EL+7.0'
EL+3.95'

[547x450]EL+1.25'

[1065x452]EL+2.4'
(MHHW)

[1065x442](MLLW)

[1065x374]EL+.55
EL-2.75'

[1065x286]EL-6.0'

[1065x270]-25.0' TO -27.0
(APPROX.)

[1065x236]VARIES -125'
(APPROX.)
Metal Panels
Recycled Plastic Lumber (RPL)
Recessed Linear Light Fixture
Green Roof
Storefront/Aluminum Windows
Louver
Stair
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79th Street Boat Basin | Existing Searail/Gate Diagram

Legend

(X = Height)

- - - - - - Pipe/CLF (Promenade)

- - - - - - Pipe (Dockhouse Deck)

- - - - - - Pipe/Cable (A-Dock)

- - - - - - Pipe/Chain (A-Dock)

- - - - - - Steel Picket Gate

Hudson River Greenway
Promenade
Ball Fields
Riverside Park
Rotunda
Northbound
Southbound
Henry Hudson Parkway
Seawall
A-Dock
C-Dock

[Map and diagram details]
Utility/Power Pedestals
Dock Boxes
Pumpout Station
Pier Lighting

Promenade Searail
Marina Searail
Steel Picket Gate