

# John Jay Park Pool Deck Reconstruction (State of Good Repair)

Located near East 77<sup>Th</sup> Street and Cherokee Place, in the Borough of Manhattan.

CB8 Presentation July 13th 2023 Nicolas Grefenstette RLA, NYC Parks

Total Budget:\$1.4 mMayor Eric Adams

Project Size: 0.55 ac

# Goals

- Reconstruct pool deck, and drainage system reconstruction
- Maintain ADA accessibility
- Facilitate active and passive recreation opportunities for the community
- Enhance and add permanent improvements to the user experience



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Neighborhood

Site



State of Good Repair John Jay Park | Project Location

50 FT



Source: http://www.nyc.gov/floodhazardmapper



**Base Flood Elevation (BFE):** 12'



### Future Floodplain 2050s



and Planning for **Flood Resiliency** 

## **Flood Hazard Zones**

### 2015 Preliminary Flood Insurance Rate Map

### V Zone (100-year floodplain subject to wave action)

Areas along coasts subject to inundation by the 1% annual chance flood event with additional hazards associated with storm-induced waves.

### A Zone (100-year floodplain)

Areas subject to inundation by the 1% annual chance flood

### Shaded X Zone (500-year floodplain)

Areas within the 0.2% annual chance floodplain, areas of 1% annual chance flooding where average depths are less than 1 foot, areas of 1% annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1% annual chance flood by a levee.

### Limit of Moderate Wave Action (LiMWA)

The inland limit of the area expected to receive 1.5ft or greater breaking waves during the 1% annual chance flood event. Data from 2015 PFIRMs.

Future 1% Annual Chance Floodplain (100-year)

### Future 0.2% Annual Chance Floodplain (500-year)

### **Resources (Links):**



NYC Parks: Design



NYC MOCR: Climate **Resiliency Design** Guidelines (v4.0)







Flooding from a storm like this would temporarily disrupt transportation and enter buildings and basements, causing minor damages to contents and surfaces.

## NYC Stormwater Flood Maps (Moderate Flooding)

Area not included in analysis

Future High Tides 2050

National Wetlands Inventory

Deep and Contiguous Flooding (1ft and greater)

Nuisance Flooding (greater or equal to 4 in and less than 1 ft)

This map:

•

 Reflects roughly two inches of rain falling in one hour (also referred to as the 10-year storm, with approximately 10 percent chance of occurrence in any given year)

• Shows a moderate rainstorm that City infrastructure was not designed to handle.

Reflects 2.5 feet of sea level rise, which is a high estimate for the 2050s.

• Includes impacts of potential blocked storm drains and outfalls from sea level rise.







## **NYC Stormwater Flood Maps** (Extreme Flooding)

Area not included in analysis

Future High Tides 2080

**National Wetlands Inventory** 

**Deep and Contiguous Flooding** (1ft and greater)

Nuisance Flooding (greater or equal to 4 in and less than 1 ft)

This map:

• Reflects roughly 3.5 inches of rain falling in one hour (also referred to as the 100 year storm, with approximately 1 percent chance of occurrence in any given year).

· Shows an extreme rainstorm that City infrastructure was not designed to handle.

• Reflects 4.8 feet of sea level rise, which is a high estimate for the 2080s.

 Includes impacts of potential blocked storm drains and outfalls from sea level rise.

Flooding from a storm like this would:

• Cause widespread damage and disruption to both private and public property.

Disrupt roads, subways, regional rail, and potentially power/communication networks. Cause flooding across coastal neighborhoods due to sea level rise impacts.







## Land Use Categories

1 And 2 Family Residential
Multi-Family Residential (Walkup)
Multi-Family Residential (Elevator)
Mixed Use
Commercial & Office
Industrial & Manufacturing
Transportation / Utilities
Public Facilities & Institutional
Open Space And Outdoor Recreation
Parking
Vacant Land
Other





## Site is not Landmarked









1 - Existing concrete pavement is deteriorated



2 - Entrance Area pavement with recently installed concrete pavement







1 - Painted 'brick' concrete pavers between curb and tree



2 - Contrast of old v. new pavement; existing wooden planter boxes in need of replacement







1 - Diving pool barrier rail is rusting and deteriorating, in violation of DOH code



2 - Existing drains and drain lines in need of clearing and replacement







1 - pool ladders and life guard chairs are rusted and in need of replacement



2 - custom concrete benches in good condition but in need of patching







**1** - non-ADA compliant drinking fountains



2 - empty planting bed at Entrance Area









## Legend

- --- Project Limit
- $\clubsuit$

## Park Entrance

- Building or Structure
- Ex. Reinf. Concrete (recently completed)



Pigmented Concrete (poor condition)



Pool Tub (N.I.C.)



Approx. Extent of Tunnel Below



Existing tree pit with concrete brick band

Ex. Precast concrete bench



Tree

- Parks Lightpole
- **Drinking Fountain**
- **Deck drain**



### Precedents





## Euroblue (Cobalt)

## Autumn Gold 5844

# RECENTLY COMPLETED POOL DECKS DRY DOCK LIBERTY HOWARD









## Legend

- **Project Limit** 
  - **Park Entrance**
- **Building or Structure** 
  - **Ex. Reinf. Concrete** (recently completed)
  - **Pigmented Reinf.** Concrete (Euro Blue)
    - **Pigmented Reinf.** Concrete (Gold)
  - **New Reinforced Concrete Pavement**
  - Pool Tub (N.I.C)
  - Approx. Extent of Tunnel Below



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4'-0" Ht. Pipe Rail Fence



Existing tree pit without concrete brick band



Plant bed



Freestanding fiberglass planter



Ex. precast concrete bench



New 1964 World's Fair bench with arms -1





Euroblue	Autumn Gold
(Cobalt)	5844
418	

**Concretes (Pigmented and Standard)** 



llex crenata 'Sky Pencil'



Drinking Fountain with Bottle Filler



**Fiberglass planters** 



1964 World's Fair Benches

4' Ht. Pipe rail fence at diving pool

Lifeguard Chair

RING BUOY HOLDER-

LARGE NON-SLIP

**Pool Ladders** 





### **ADA chairlift**





# Thank you

## **Questions?**





