



**Parks**

# **Tony Dapolito Recreation Center Sidewalk Vault Reconstruction**

**M103-121M**

1 Clarkson Street in the West Village  
Borough of Manhattan

**Community Board 2 Landmarks Committee**

September 20, 2021

Benjamin Conable, PE, NYC Parks

**Total Budget:** \$2.2M  
Mayor, Bill de Blasio FY21

**Project Size:** 0.26 ac

# Presentation Goals

- Stair and ramp reconstruction
  - full Community Board resolution sought for LPC Public Hearing on 9/28

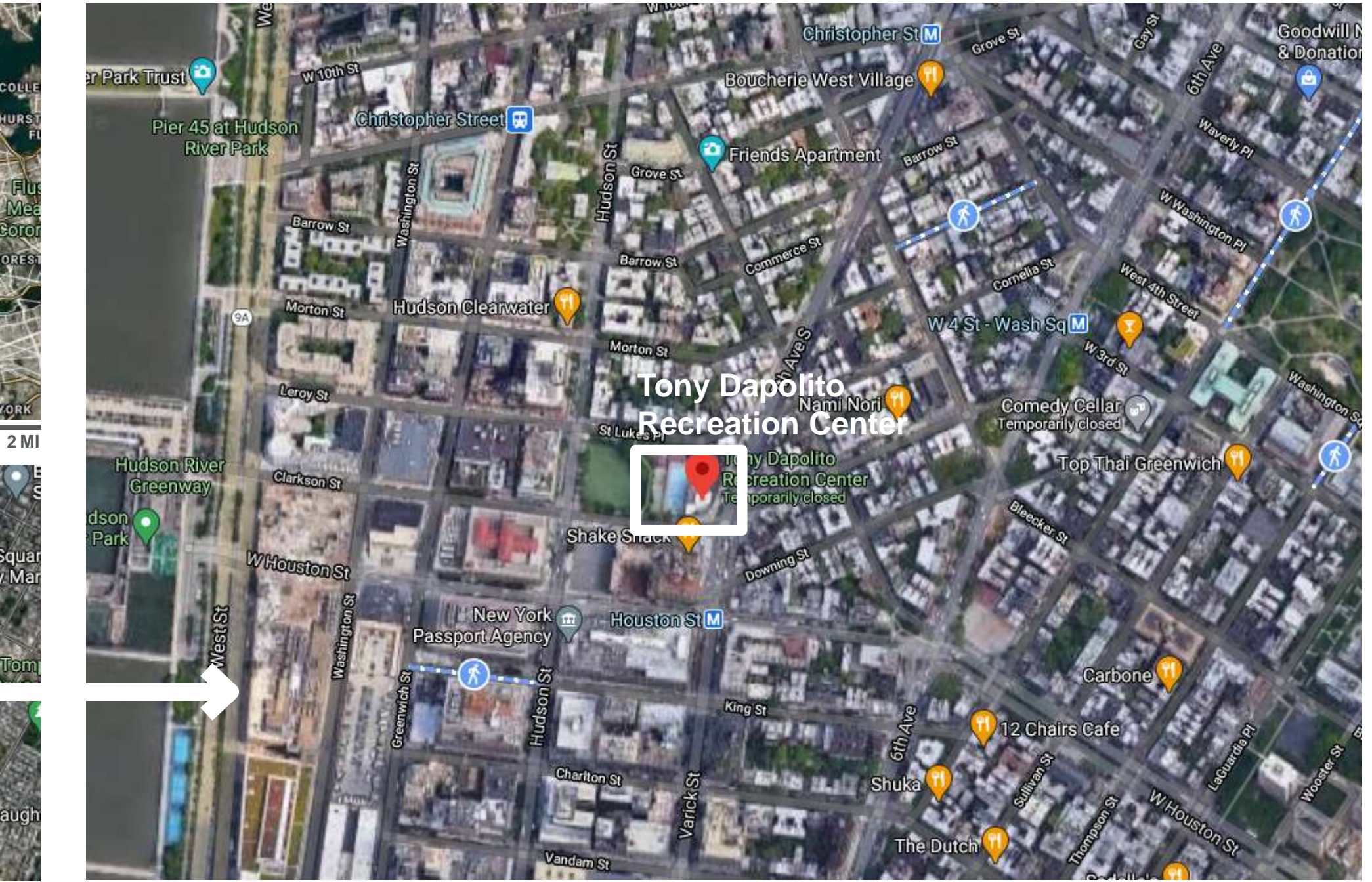
# Project Goals

- Public safety
  - Providing sidewalk vault structural stability
  - Reconstruction of damaged entry steps and ramp
- Restoration of facility space lost to emergency sidewalk shoring
- Addressing ponding at crosswalk - DOT
- Addressing ponding on Clarkson Street at JJ Walker Park

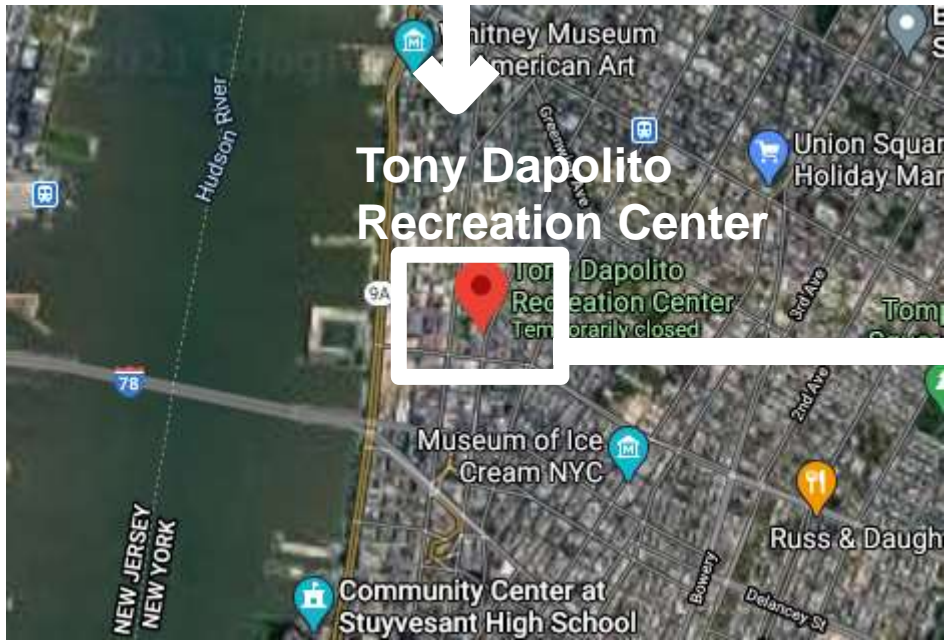




City



Site



Neighborhood



# Tony Dapolito Recreation Center | Project Location



# 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 event.

**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 Floodplain 2050s

**Future 1% Annual Chance Floodplain (100-year)**

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

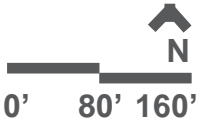
Source: <http://www.nyc.gov/floodhazardmapper>





### Land Use Categories

- 1 And 2 Family Residential
- Multi-Family Residential
- Mixed Use
- Open Space And Outdoor Recreation
- Commercial
- Institutional
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots
- Greenwich Village Historic District & Extension














# Sidewalk Vault Reconstruction

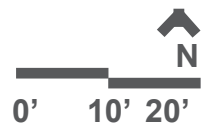
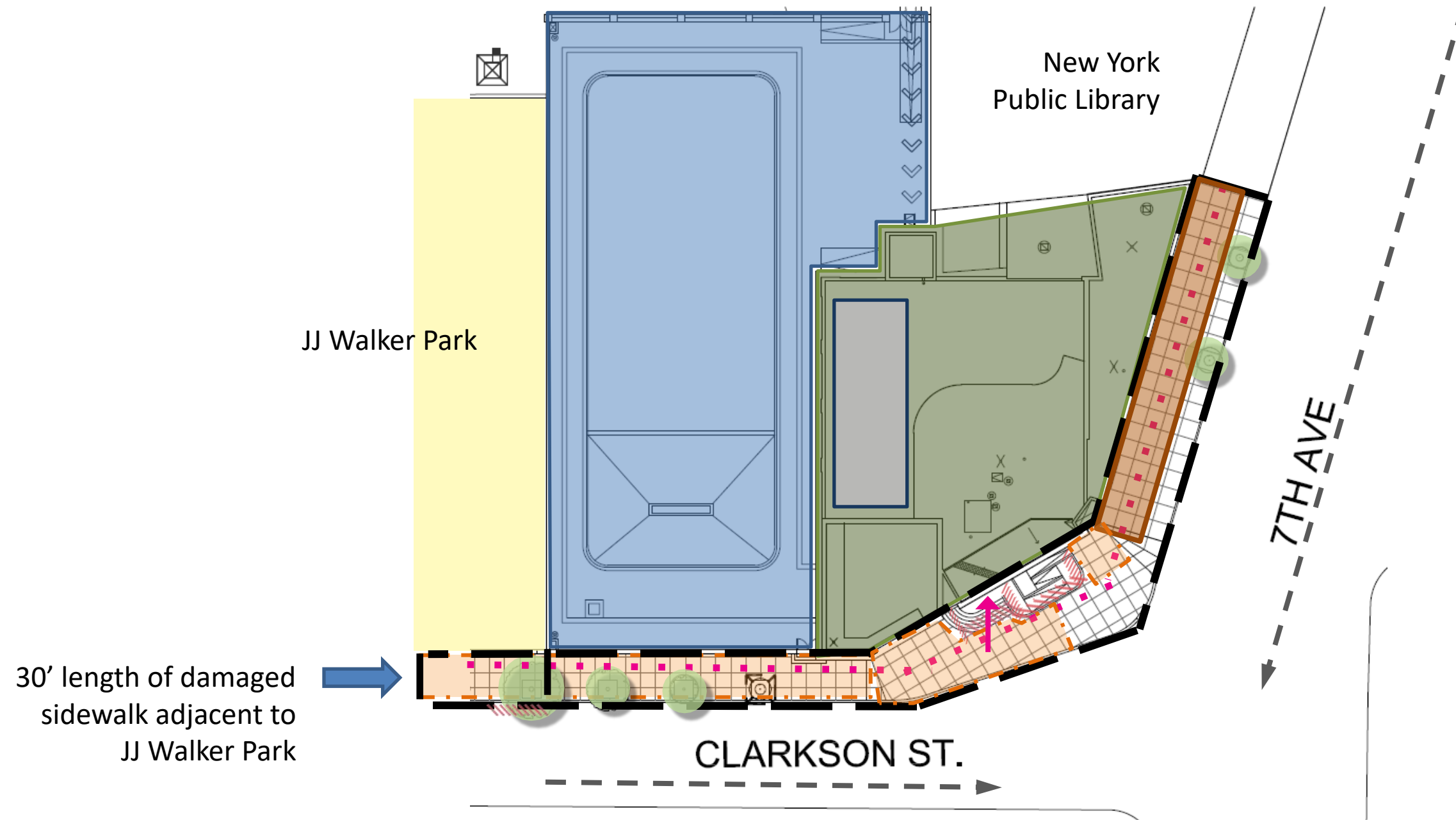


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# Legend

-  Project Limit
-  Building Entrance
-  Pedestrian Traffic Heavy
-  Vehicle Traffic
-  Decaying Ramp/Stairs
-  Deteriorated Vault Structure
-  Damaged/uneven Sidewalk
-  Tree Canopy/Shade
-  Outdoor Pool
-  Indoor Pool
-  Recreation Center

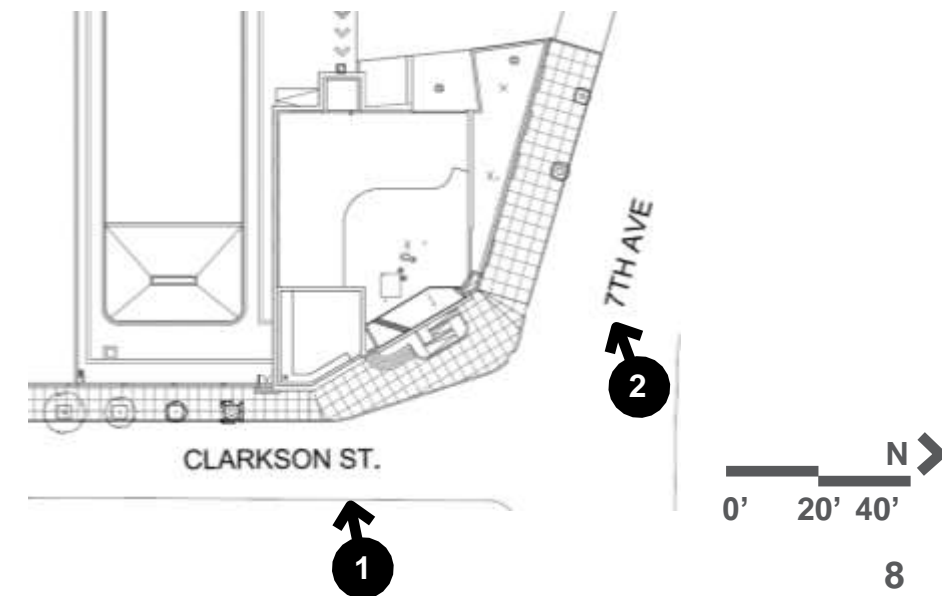




1 – Clarkson frontage showing steps and ramp to be replaced



2 – 7<sup>th</sup> Ave frontage showing extent of sidewalk vault







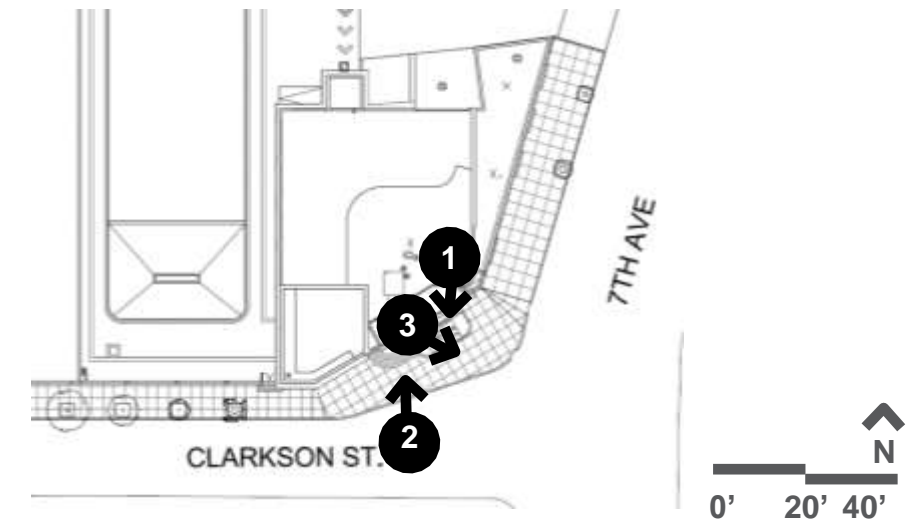
1 – Existing ramp damage















2 – Existing stair damage

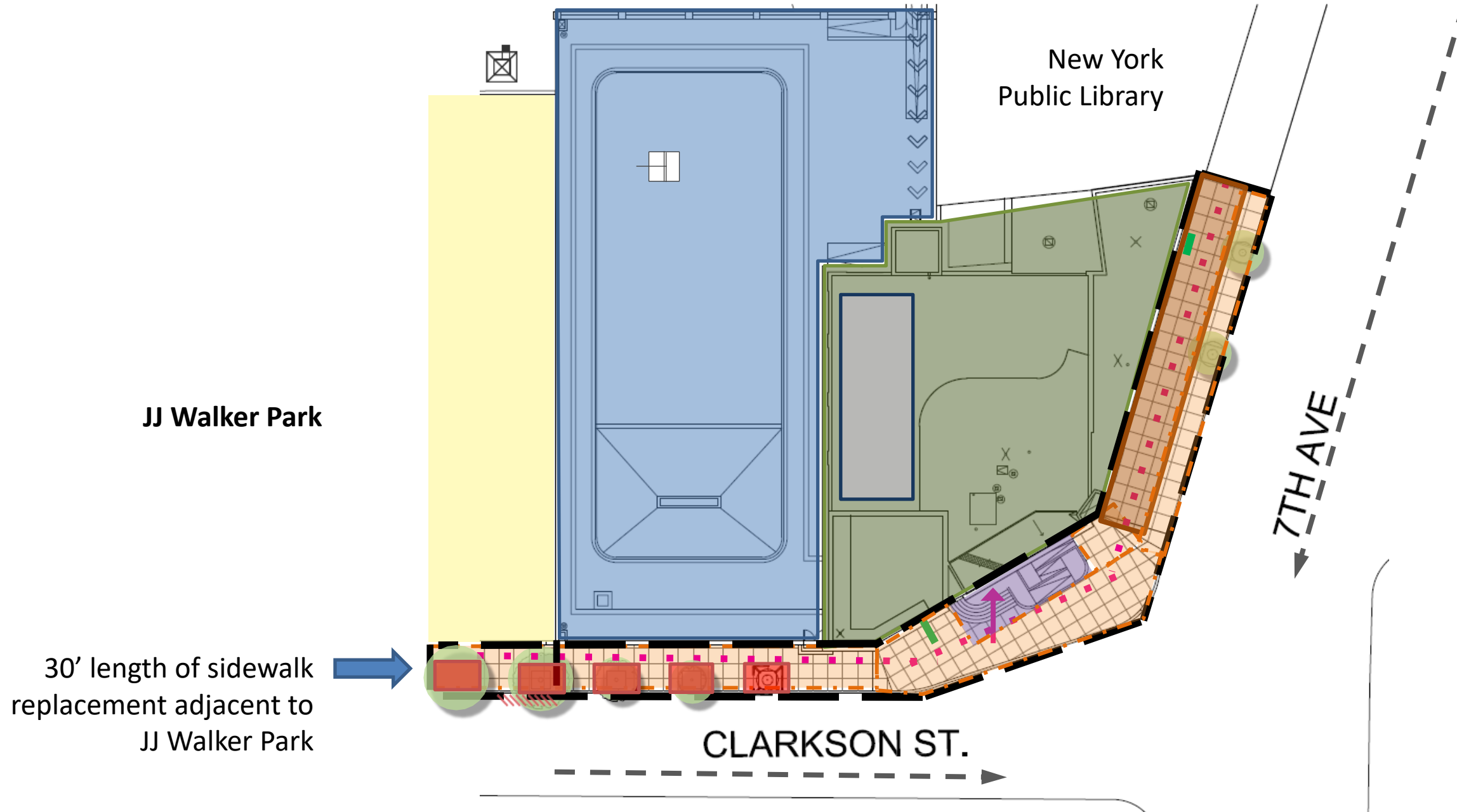


3 – Ponding in crosswalk – to be addressed by DOT



# Legend

-  Project Limit
-  Building Entrance
-  Vehicle Traffic
-  Sidewalk Vault Reconstruction
-  Pavement to be Replaced
-  Tree Canopy/Shade
-  Outdoor Pool
-  Indoor Pool
-  Recreation Center
-  Expanded tree pit
-  New Stair & Ramp
-  Existing Bike Racks



JJ Walker Park

New York  
Public Library

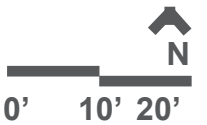
7TH AVE

CLARKSON ST.

30' length of sidewalk  
replacement adjacent to  
JJ Walker Park



## Tony Dapolito Recreation Center | Site Plan and Scope



# Sidewalk Vault Reconstruction Project Timeline

Spring 2022	Design Completion
Spring 2023	Construction Begins – 18 months duration
<b>Fall 2024</b>	<b>Project Completion</b>



# Stair and Ramp Replacement



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Original Clarkson Façade 1908



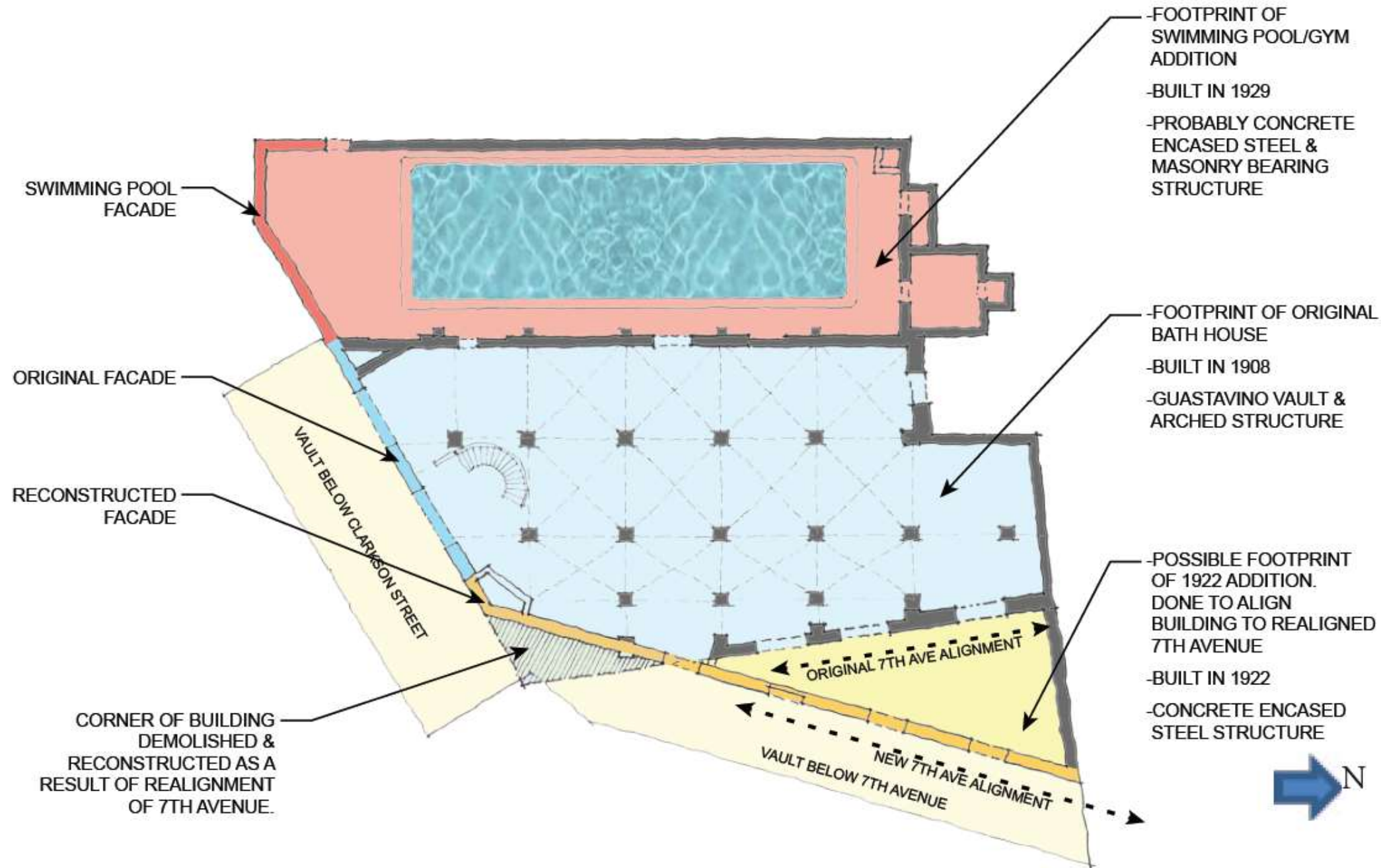
Existing Clarkson Façade



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Tony Dapolito Recreation Center- Stair & Ramp Replacement





## Building modifications





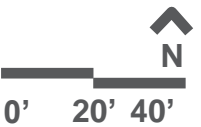
1 – Gate pier at JJ Walker Park– painted/ material unknown, granite base, limestone cap, historic iron fence, modern iron gate



2 – Secondary pier at JJ Walker Park fence – painted/ material unknown, granite base, limestone cap, skirted ranseur fence pickets



3 – Granite base color and surface





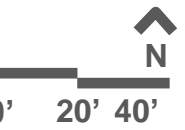
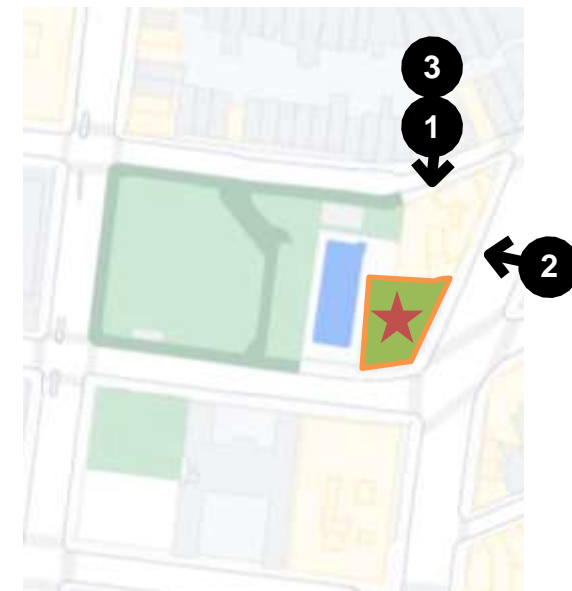
1 – Leroy St. library entrance – granite skirt and steps, limestone banding



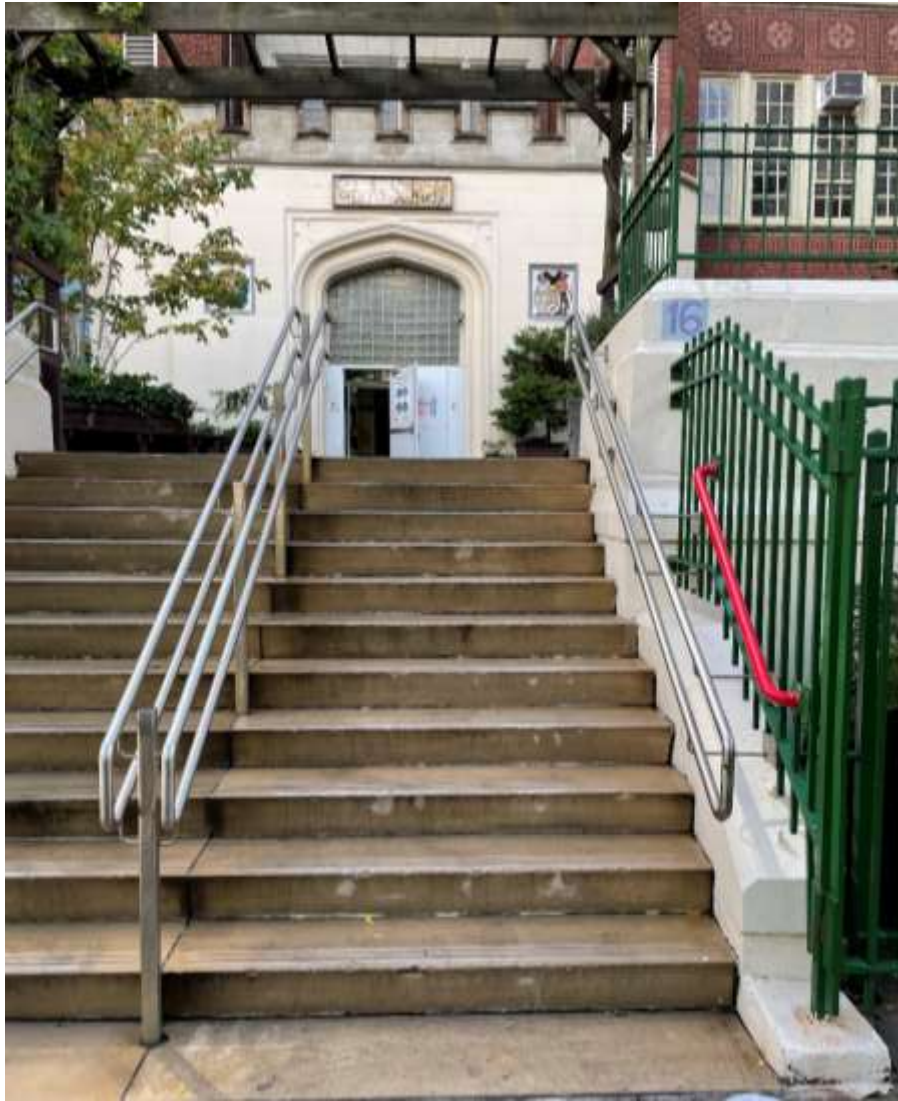
2 – 7<sup>th</sup> Avenue Library entrance



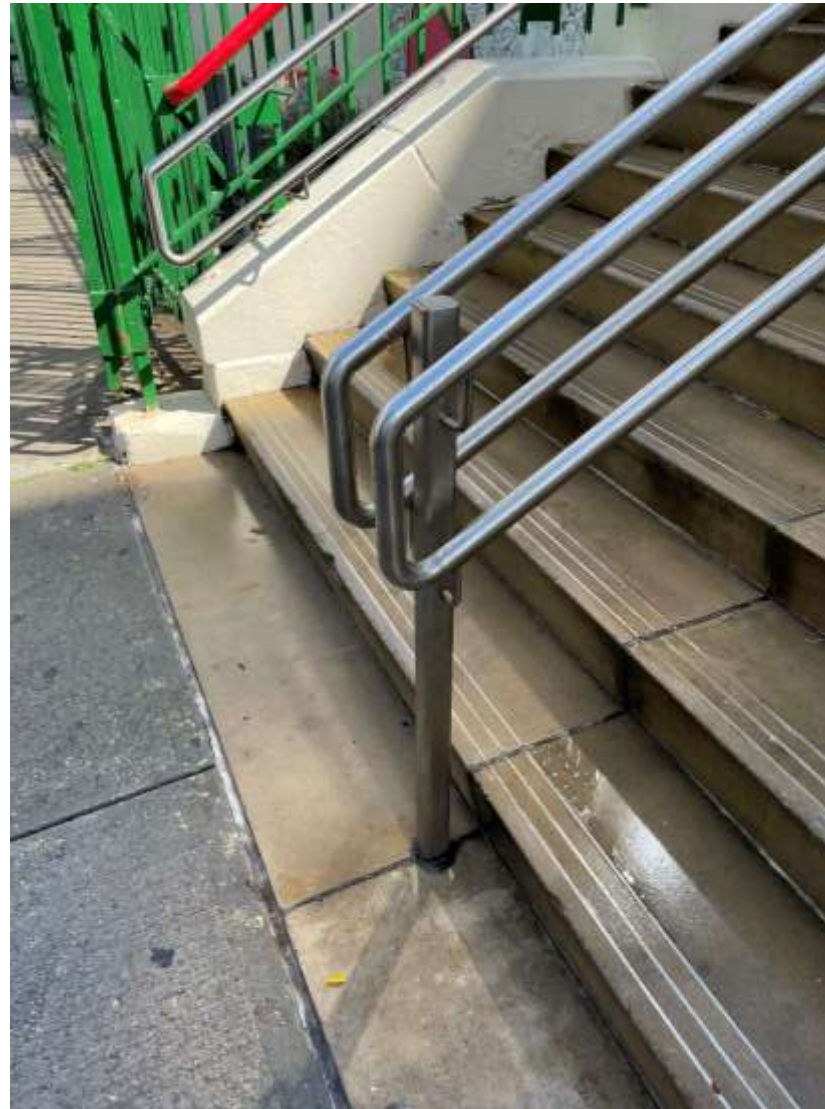
3 – Library granite, limestone and brick







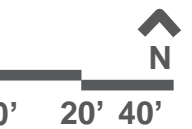
1 – Public School M560 stairs – precast concrete, painted cheek walls, stainless steel railings, painted iron fence



2 – School stairs – precast concrete with integral stainless slip protection strips



3 – granite skirting at 225 Varick Street





1 – 7<sup>th</sup> Avenue egress – granite steps, painted granite skirt

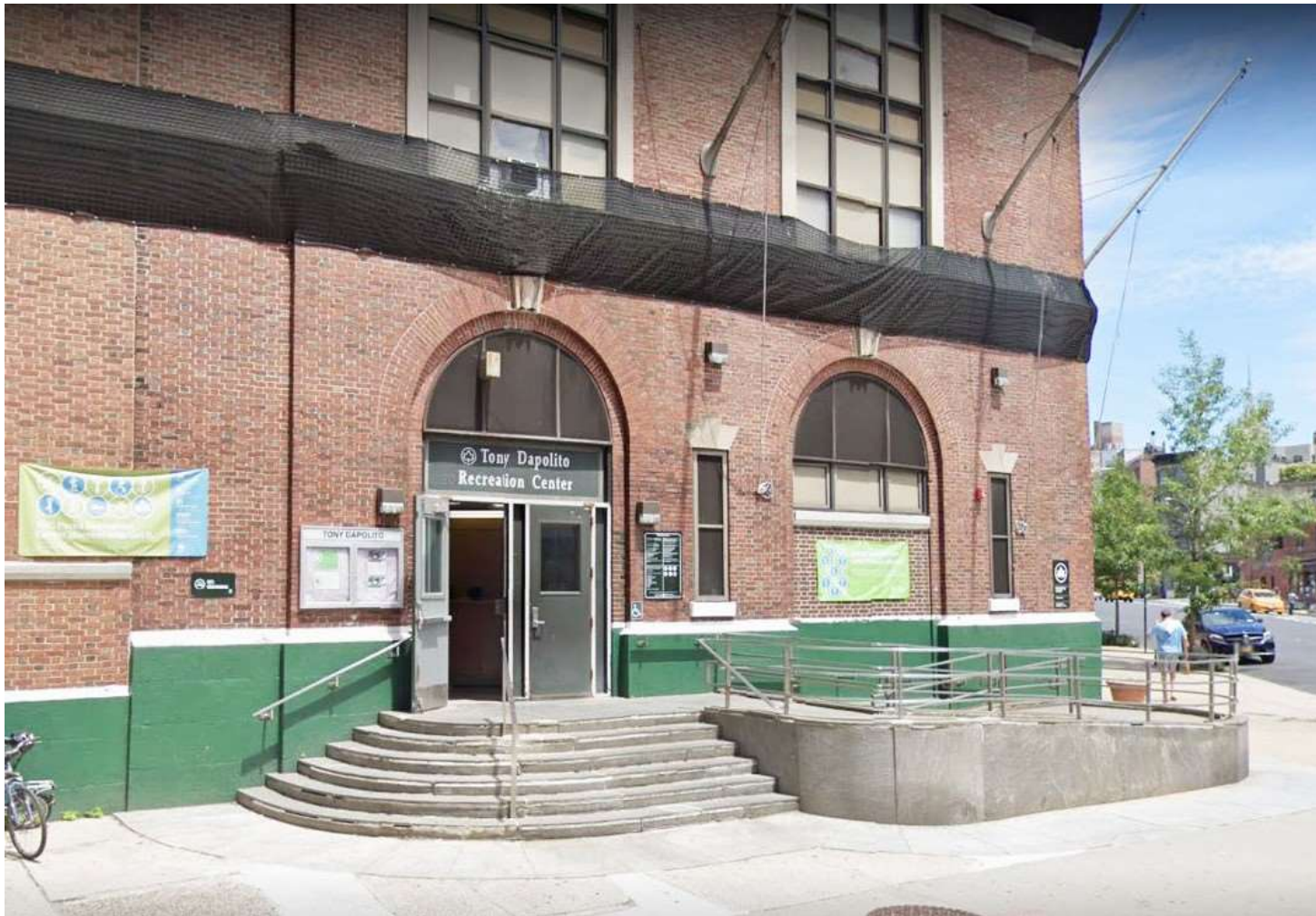


2 – granite step closeup

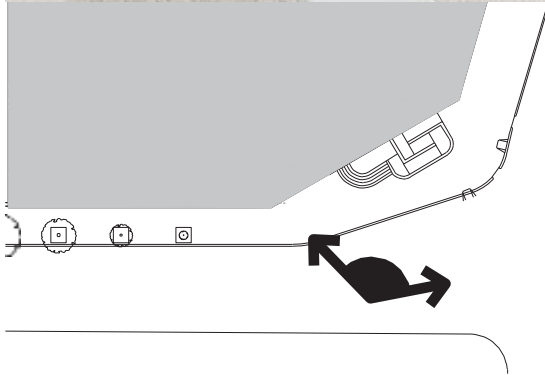


3 – granite building base closeup

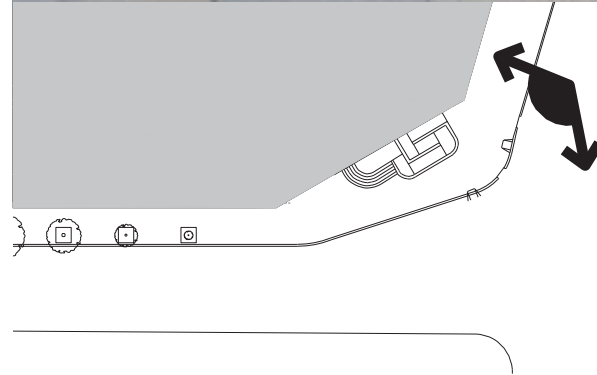




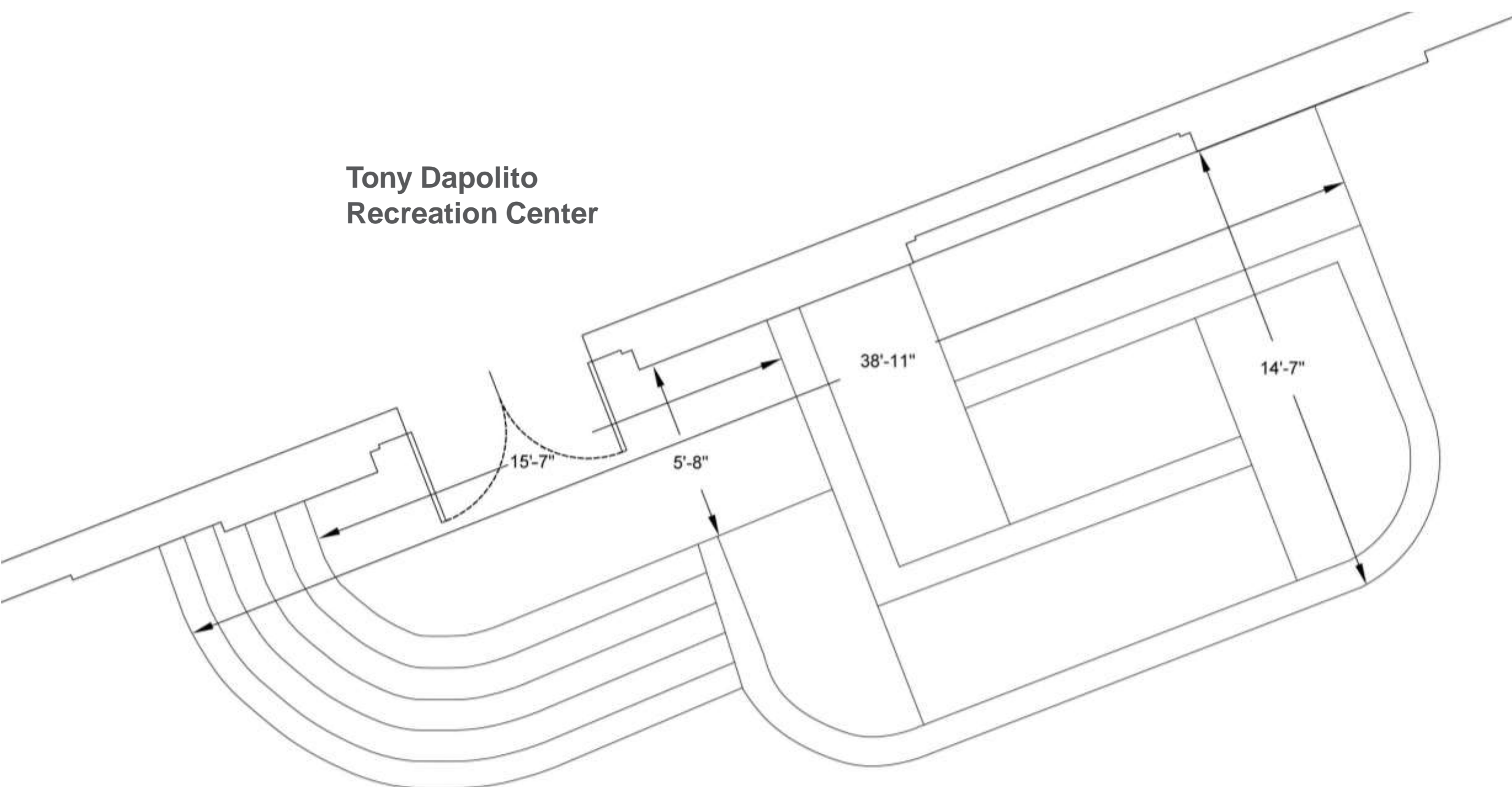
Existing Stair & Ramp – 1982  
Pre-landmark district designation



Existing Stair & Ramp - 1982

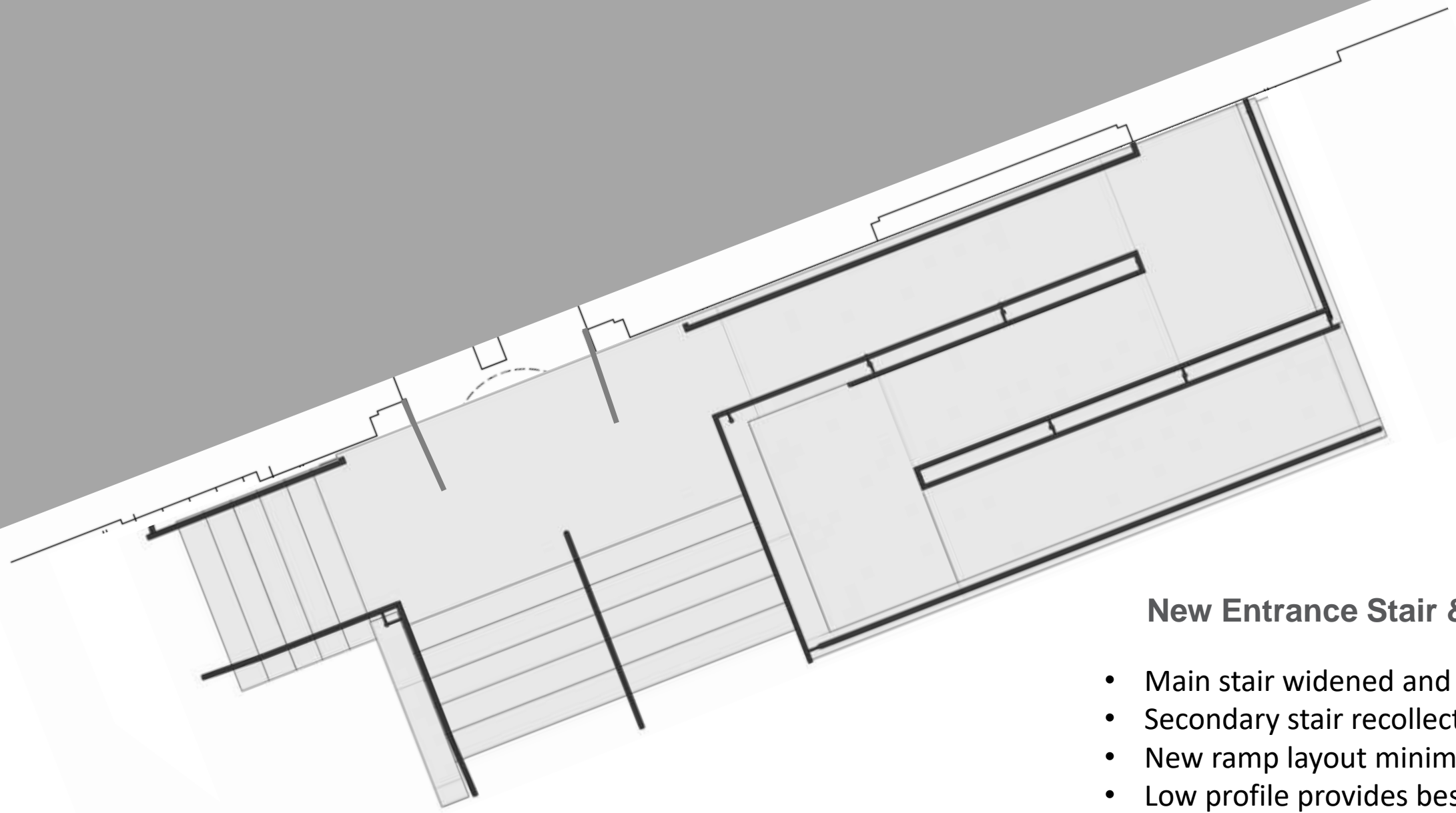


# Tony Dapolito Recreation Center



Tony Dapolito Recreation Center Entrance - Existing Stair & Ramp

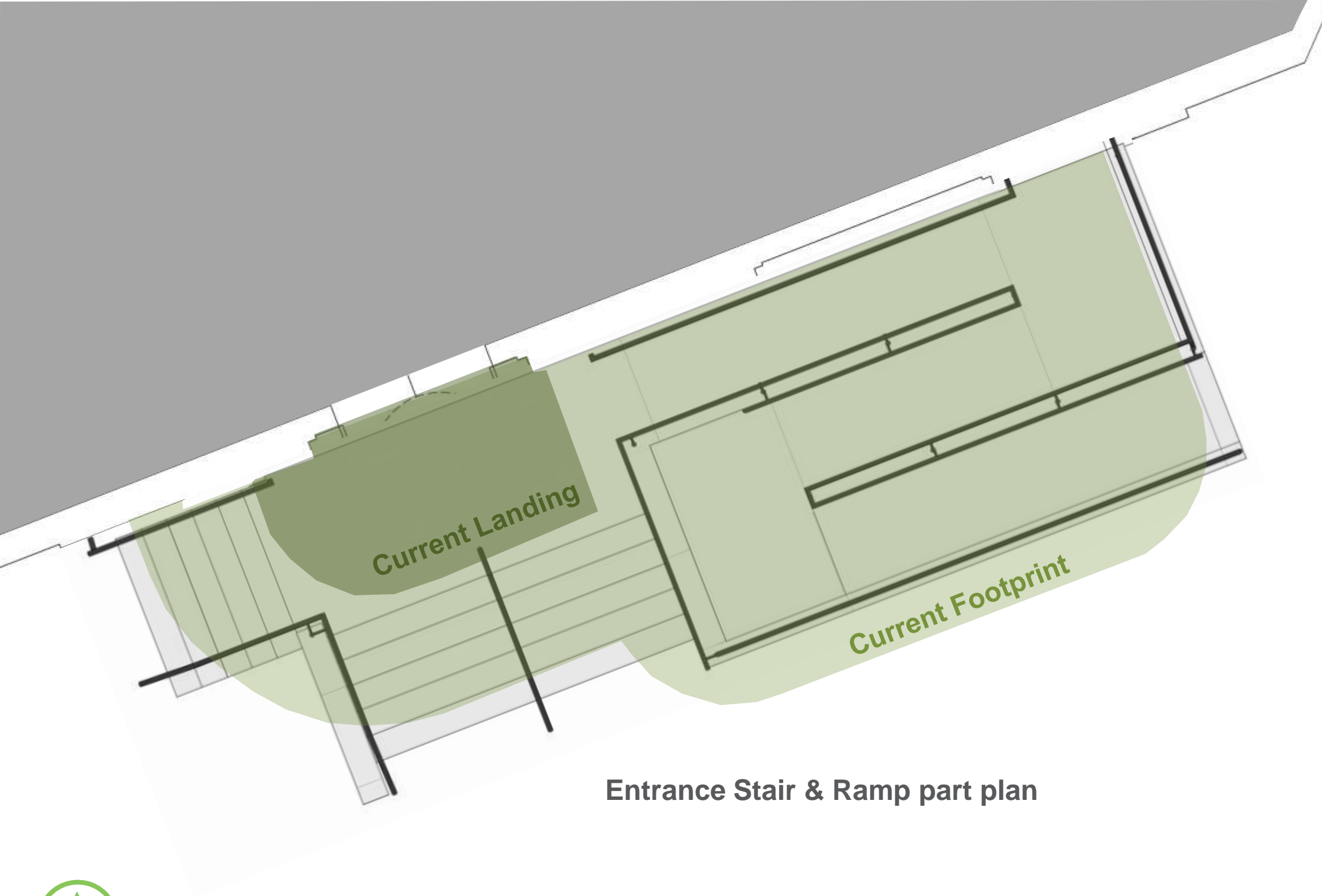




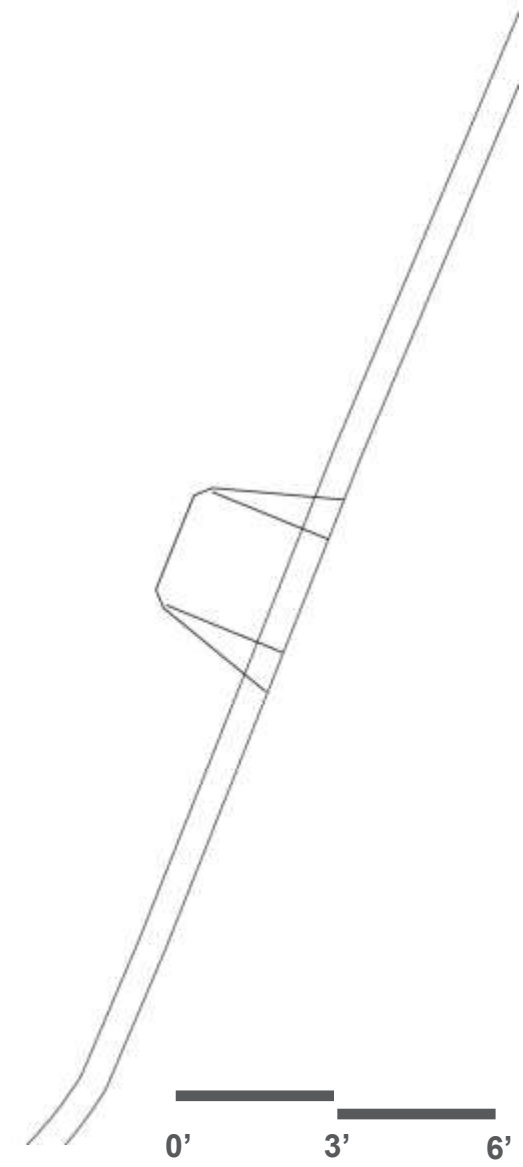
**New Entrance Stair & Ramp part plan**

- Main stair widened and centered on entrance
- Secondary stair recollects historic secondary stair
- New ramp layout minimizes visual impact
- Low profile provides best health, safety and maintenance





Entrance Stair & Ramp part plan



Tony Dapolito Recreation Center Entrance – Stair & Ramp Comparison



Black steel pipe handrail. Color to match existing fence at Center and adjacent park



Ramp wearing surface – plain concrete to match sidewalk

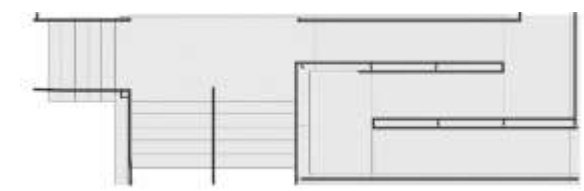


Stair treads and cheek walls – granite to match building base and existing stair on 7<sup>th</sup> Ave.



### Tony Dapolito Recreation Center Entrance – Stair & Ramp replacement





Tony Dapolito Recreation Center Entrance – Stair & Ramp replacement





Tony Dapolito Recreation Center Entrance – Stair & Ramp replacement

