NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT

POST 30% DESIGN PROGRESS UPDATE

NOVEMBER 30, 2023

NEW YORK STATE OF OPPORTUNITY. | Battery Park City Authority

Turner | DeCRUZ | ARCADIS | SCAPE | BIG | WSP

Project Team

CLIENT TEAM:

CLIENT:

NEW YORK STATE OF OPPORTUNITY. | Battery Park City Authority

ADVISORS:

AECOM ●ne architecture

CONSULTANTS:

AKRF

EIS CONSULTANT

DESIGN-BUILD TEAM:

PRIMARY CONTRACT:

Turner. | ECRUZ

CONSTRUCTION

CONSULTANT:

ARCADIS

CIVIL / STRUCTURAL ENGINEERING

SUB-CONSULTANTS:

BIG

URBAN DESIGN

SCAPE

LANDSCAPE ARCHITECTURE

WSP

GEOTECHNICAL

Today's Meeting

4:30 Exhibition area open to the public

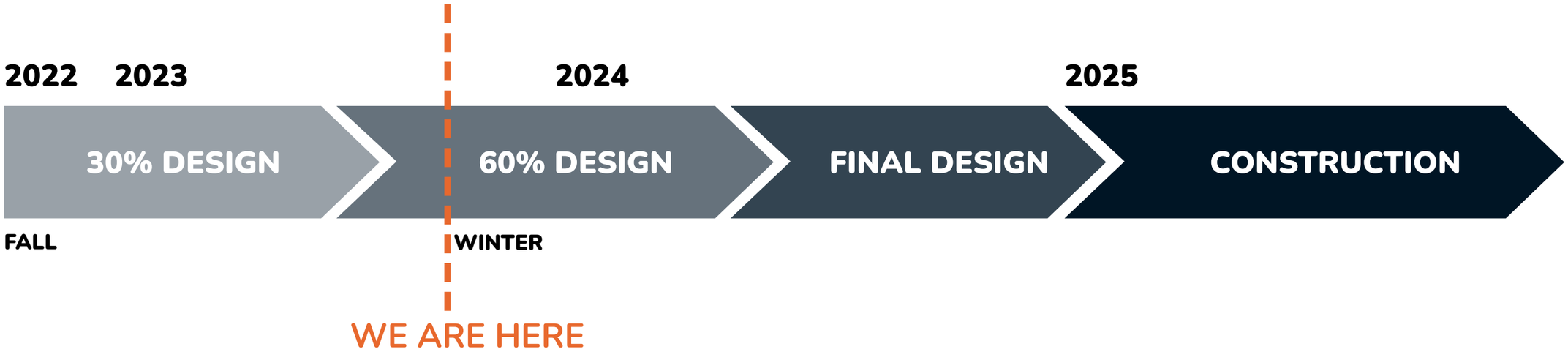
6:00 Overview Presentation

6:40 Q&A Discussion

7:00 Table Discussions:

- **Project in Context**
- **Risk & Adaptability**
- **Trees & Planting**

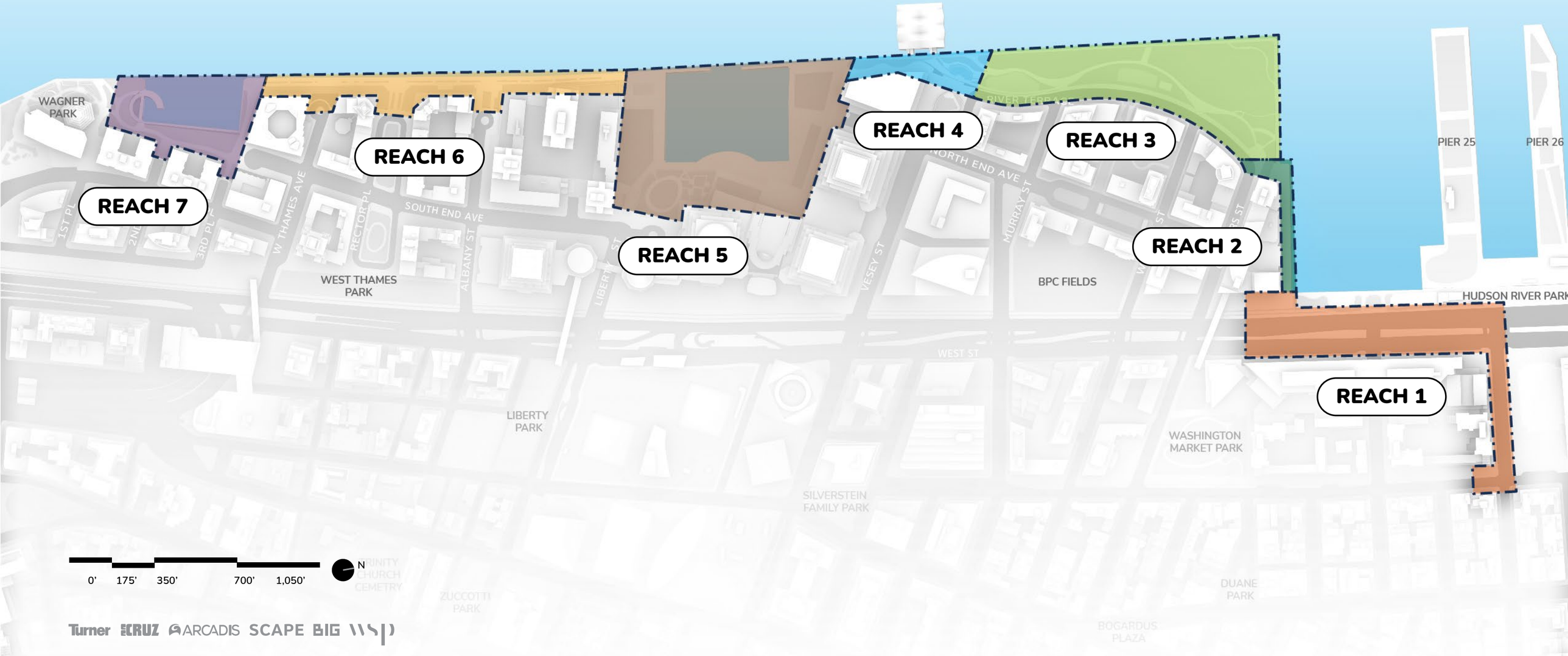
Project Schedule



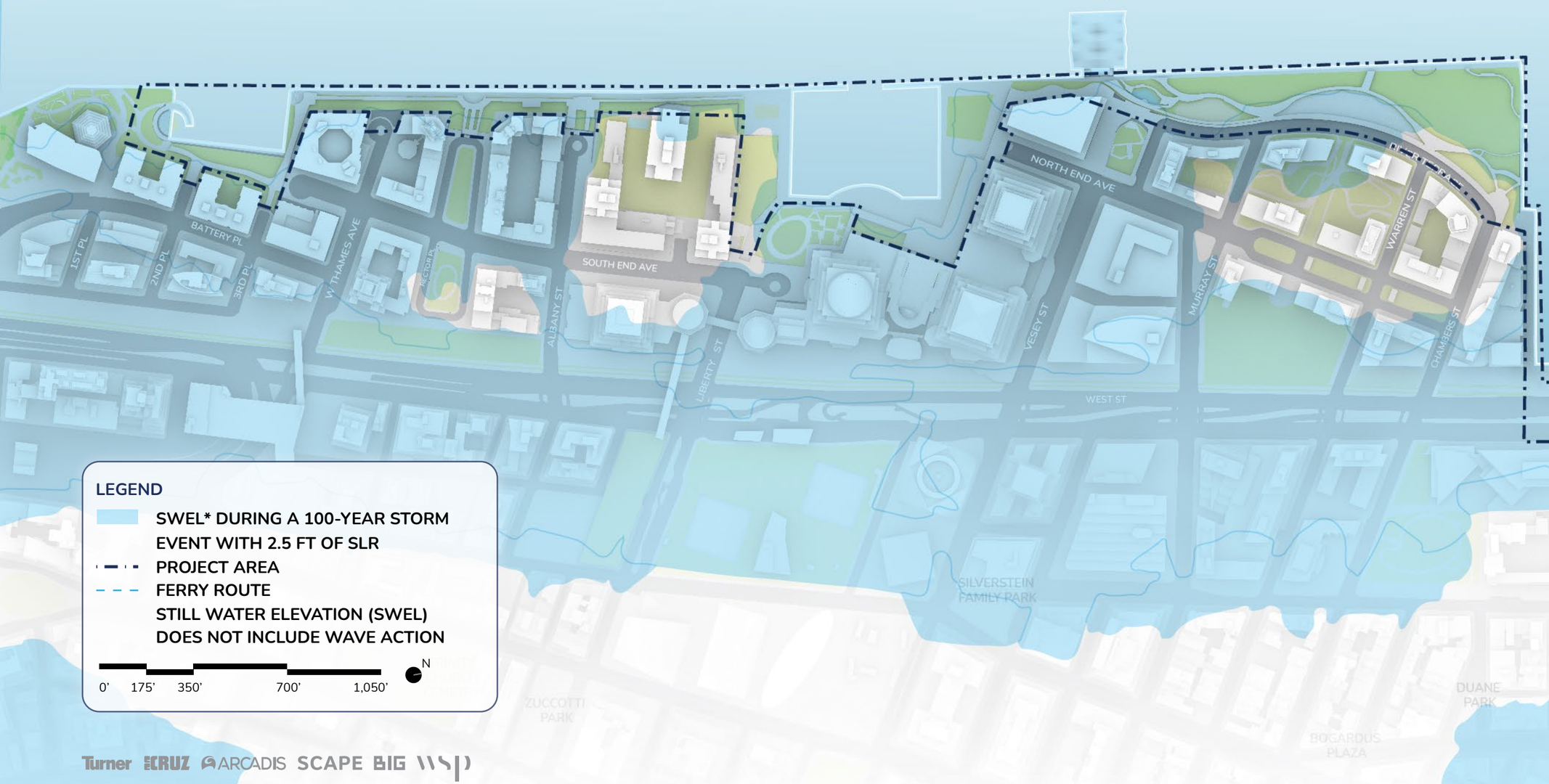
Precise construction completion dependent upon agency permitting and approvals

INTRODUCTION

Project Site



Future Flood Risk



LEGEND

- SWEL* DURING A 100-YEAR STORM EVENT WITH 2.5 FT OF SLR
- PROJECT AREA
- FERRY ROUTE
- STILL WATER ELEVATION (SWEL) DOES NOT INCLUDE WAVE ACTION

0' 175' 350' 700' 1,050' N

Turner CRUZ ARCADIS SCAPE BIG WSP

REACH-BY-REACH

REACH 1

NORTH MOORE ST. + 9A

North Moore St.

Independence Plaza

Borough of Manhattan Community College

Hudson River Park

West St. / 9a

Greenwich St.

N

Turner CRUZ ARCADIS SCAPE BIG WSP

What We Heard: Reach 1

- More clarity requested at FBS tie back at Greenwhich St.
- Trees were noted as a valuable resource
- It is important that pedestrian clearances are maintained at sidewalks
- Views to Hudson River Park from 9A are valued
- Significant concerns about alignment adjacent to bike lane regarding pedestrian safety and sight lines.



Reach 1 N. Moore St. | Proposed Plan

LEGEND
- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING TREES
- LIMIT OF WORK

0’ 20’ 40’ 100’ N

West St.

Citi Headquarters

Citi Headquarters Park

+7’ +8’ +10’ N. Moore St. +12’ +13’

Top of Wall: +16.0’

Borough of Manhattan Community College

Independence Plaza

+14’

Greenwich St.

Reach 1 N. Moore Street | Existing



Independence Plaza

80

NO SMOKING

8am - 9:30am

+ 13.00’

Reach 1 N. Moore Street | Existing

Existing with Flood Barrier Line Overlay



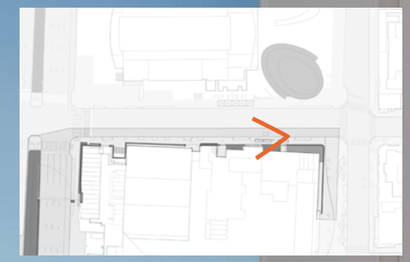
Independence Plaza

80

8am - 9:30am

+ 13.00’

Reach 1 N. Moore Street | Proposed



Proposed Planter

FBS Wall
Materiality under Development

Top of Wall: +16’

3’

+ 13.00’

DOT Standard Sidewalk

Con Ed Utilities

Reach 1 N. Moore Street | Existing



+ 12.00’

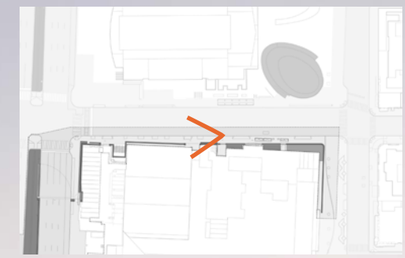
Reach 1 N. Moore Street | Existing

Existing with Flood Barrier Line Overlay



+ 12.00’

Reach 1 N. Moore Street | Proposed



ROLLER GATE
Materiality under Development

FBS Wall
Materiality under Development

Top of Wall:
+16.5’

4'

+ 12.00’

*Coordination Is Still In Progress - Gates Locations TBC.

Reach 1 N. Moore Street | Investigation of sidewalk extension for tree canopy

Option ongoing with NYCDOT

Borough of Manhattan
Community College

Independence
Plaza

Potential Enhanced Streetscape
and Canopy (Under Study)

Citi Headquarters

Reach 1 West Street | Proposed Plan

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT

LEGEND
- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING PLATFORM EDGE
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 20’ 40’ 100’ N

Hudson River

Hudson River Park

Manhattan Greenway

+7’

West St. (South-Bound)

+8’

West St. (North-Bound)

Top of Wall: +16.5’

Harrison St.

Borough of Manhattan Community College

N. Moore St.

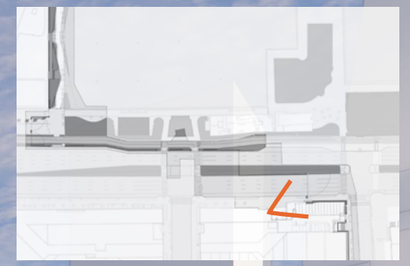
Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 1 West Street | Existing with FBS

Reach 1 West Street | Existing

Existing with Flood Barrier Line Overlay

Reach 1 West Street | Proposed



FBS Wall
Materiality under Development

Top of Wall: +16.5’

FBS integrated Along Building Edge

Deployable Location

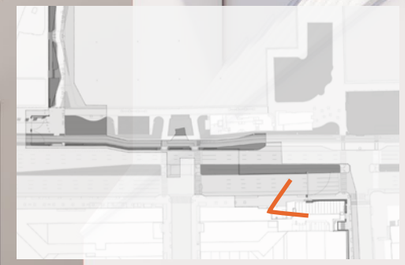
Borough of Manhattan Community College

West St.

Reach 1 West Street | Existing

Existing with Flood Barrier Line Overlay

Reach 1 West Street | Proposed



FBS Wall
Materiality under Development

Top of Wall: +16.5’

Deployable Location

West St.

+ 8.00’

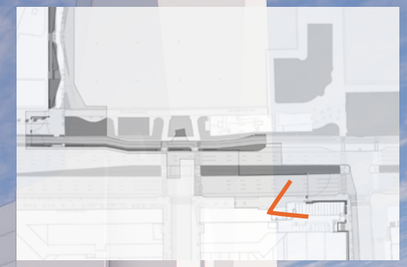
DOT Standard Sidewalk

Reach 1 Harrison St. | Existing

Reach 1 Harrison St. | Existing

Existing with Flood Barrier Line Overlay

Reach 1 Harrison St. and West St. | Existing



Borough of Manhattan Community College

Deployable Location

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Harrison St.

West St.

REACH 2
NORTH ESPLANADE


Hudson River Park
North Esplanade
Stuyvesant High School
Rockefeller Park
West St. / 9a
Borough of Manhattan Community College

What We Heard: Reach 2

- There is a pedestrian pinch point where North Esplanade meets Hudson River Park
- Concerns about cyclists and pedestrian conflicts at transition zone between Hudson River Park and North Esplanade
- How will seepage between FBS and the building be resolved?
- Maximizing trees and vegetation planting is desired
- There are currently no real amenities in this area; serves only as a connection to Rockefeller Park
- Existing egress and access to the High School should be maintained
- Keep ADA accessibility



Reach 2 | Proposed Plan

Hudson River

Improve Connection with Hudson River Park

New Seating with Waterfront Views

Bar Seating area at Waterfront

Existing Platform Edge

Green Buffer

New Seating with Waterfront Views

Hudson River Park

West St.

+8.0’

+9.5’

Top of Wall: +16.5’

11.5’

15’

12.25’

+10.0’

+9.5’

N. W

Rockefeller Park

Tribeca Pointe

Stuyvesant High School

Chambers St.

River Terrace

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING PLATFORM EDGE
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 20’ 40’ 100’

N

View from Hudson River Park | Existing



+ 9.50’

View from Hudson River Park | Existing

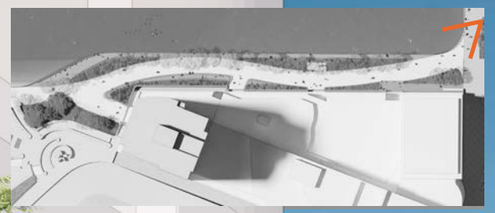
Existing with Flood Barrier Line Overlay



+ 9.50’

View from Hudson River Park | Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



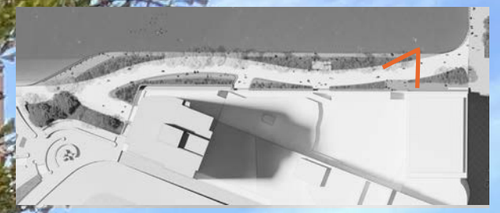
Top of Wall:
+16.5’

FBS Wall
Materiality under Development

Improved Connection with Hudson River Park

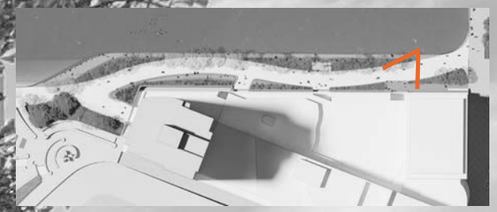
Turner CRUZ ARCADIS SCAPE BIG WSP

View from North Esplanade | Existing



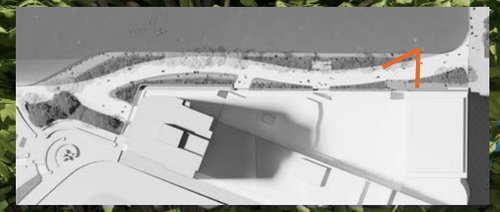
View from North Esplanade | Existing

Existing with Flood Barrier Line Overlay



View from North Esplanade | Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



Widened Pedestrian Path

FBS Wall
Materiality under Development

Deployable Location

+ 12.00’

Turner ECRUZ ARCADIS SCAPE BG WSP

View from North Esplanade | Existing



View from North Esplanade | Existing

Existing with Flood Barrier Line Overlay



View from North Esplanade | Proposed



New Planting and Trees

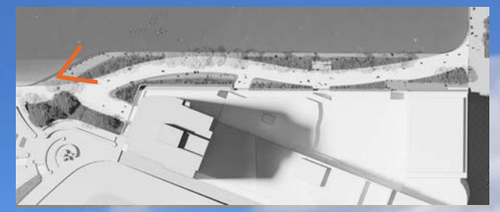
Overlook and Access to Waterfront

New Seating at Waterfront Edge

Wheelchair and Companion Spaces Provided

View from North Esplanade | Existing

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



View from North Esplanade | Proposed



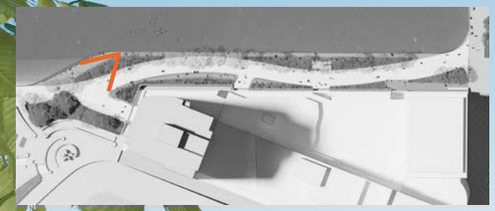
New Seating and Gathering Space

New Planting

View Towards Rockefeller Park | Existing



View Towards Rockefeller Park | Proposed



New Seating and Gathering Space

REACH 3
ROCKEFELLER PARK



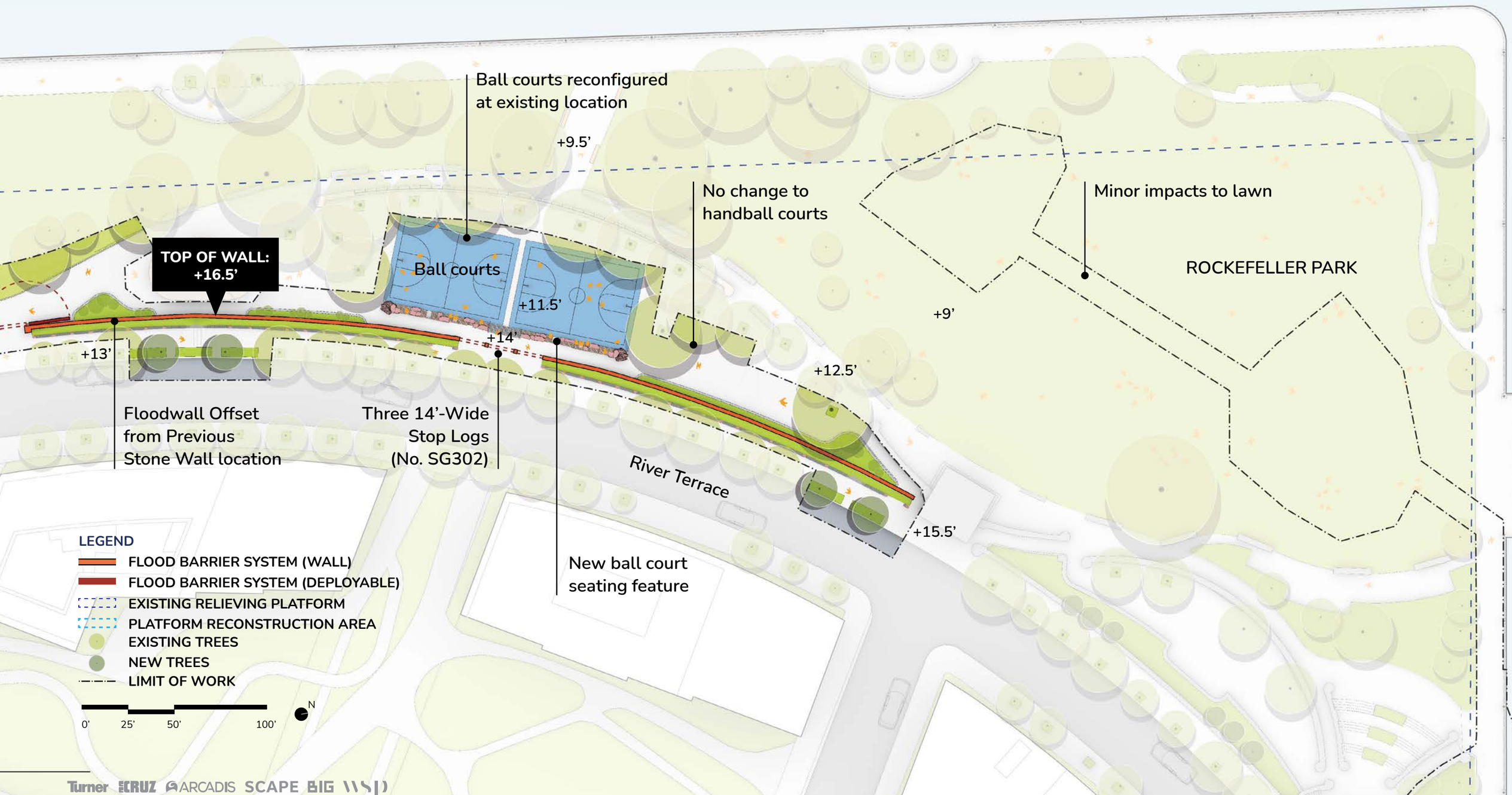
Turner ECRUZ ARCADIS SCAPE BIG WSP

What We Heard: Rockefeller Park , Ball Courts, Playground

- Importance of protecting existing trees in park and along River Terrace
- Importance of protecting views to the river
- Appreciation for existing planting in pollinator garden

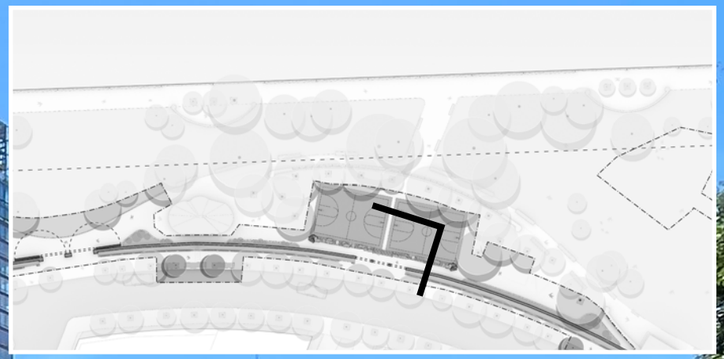


Rockefeller Park | Plan



Ball Courts | Connection to River Terrace

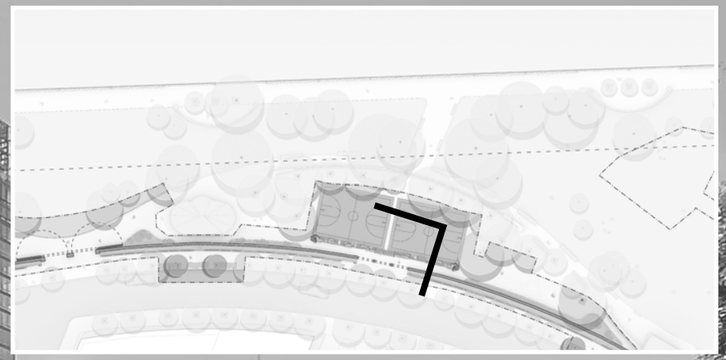
Existing



+ 11.90’

Ball Courts | Connection to River Terrace

Existing with Flood Barrier Line Overlay

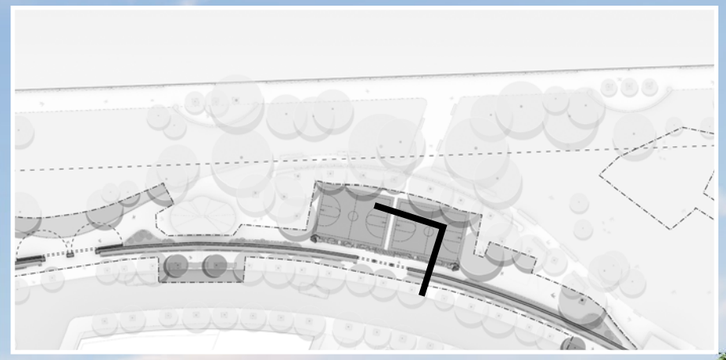


FBS Wall

Ball Courts | Connection to River Terrace

Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Direct Access to Ball Courts

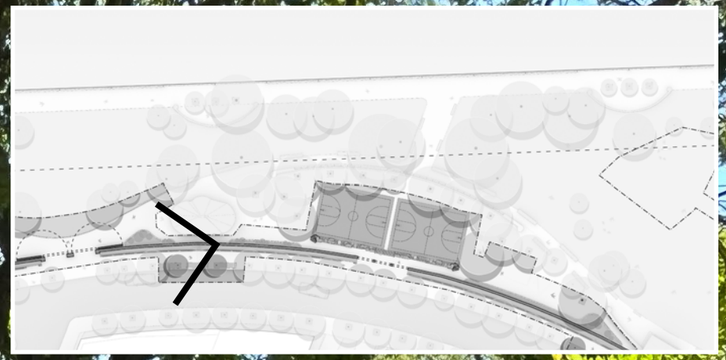
+ 14.00’

+ 11.90’

Turner KRUK AARCADIS SCAPE BIG WSP

River Terrace | View along Sidewalk

Existing



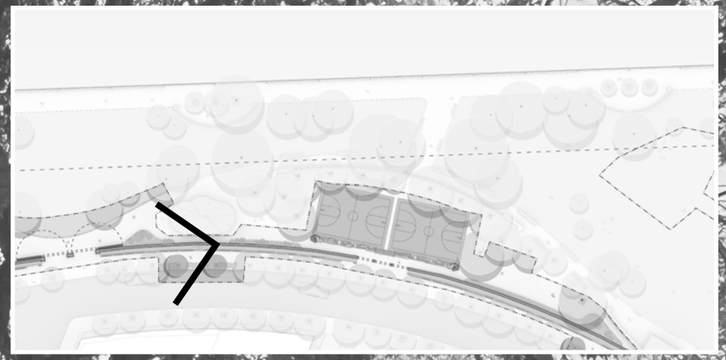
Top of Wall: +15.75’

2.75’

+13.00’

River Terrace | View along Sidewalk

Existing with Flood Barrier Line Overlay



FBS Wall

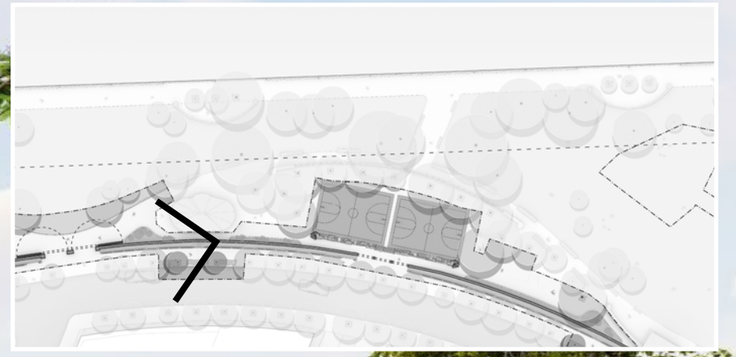
+13.00’

Turner HRUZ GAPCADIS SCAPE BIG WSP

River Terrace | View along Sidewalk

Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



EXISTING TREE

EXISTING TREE

EXISTING TREE

Stormwater Bioswale

Floodwall Offset from Previous Stone Wall Location, New Planting along Sidewalk

Top of Wall: +16.5’

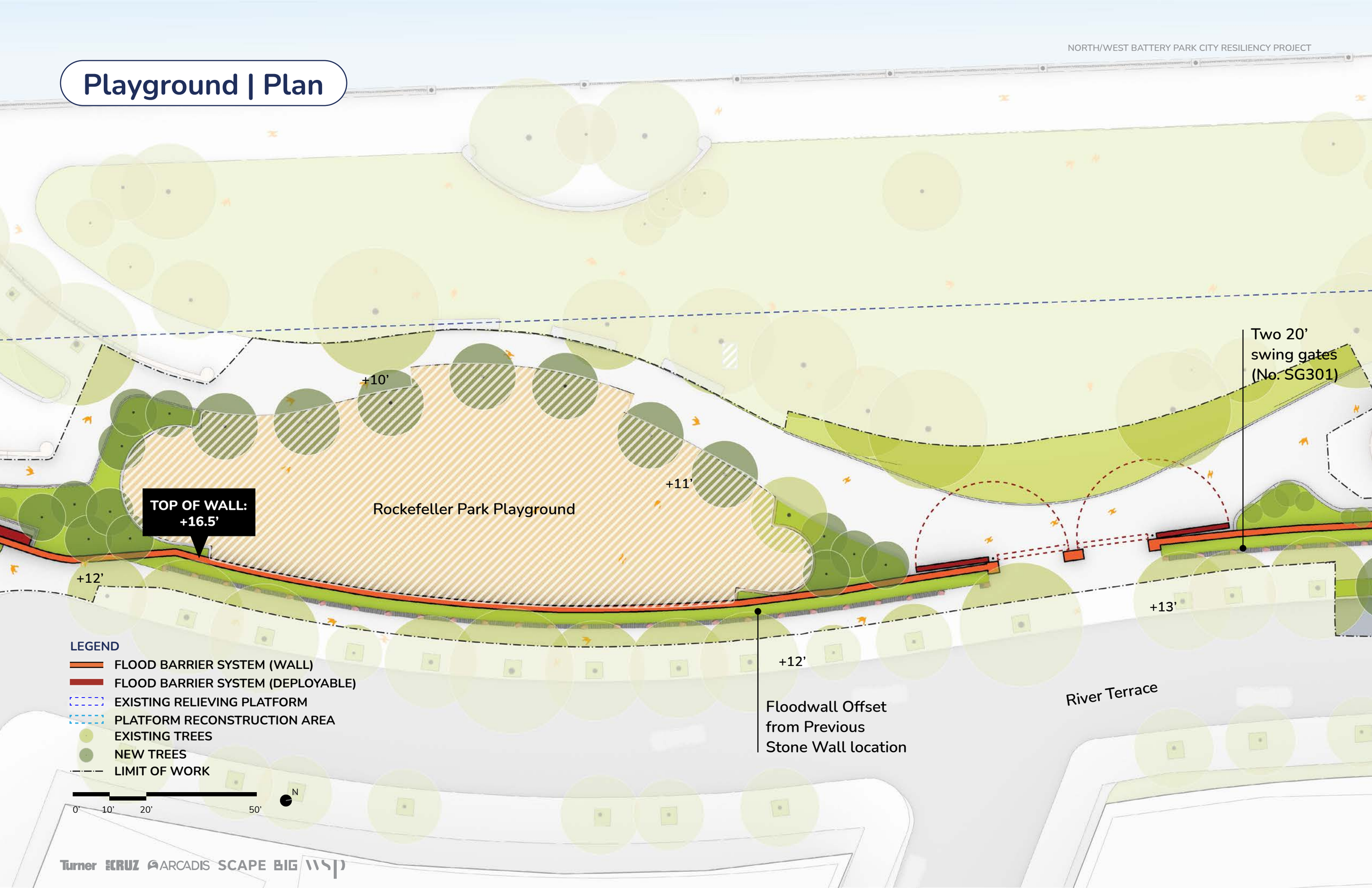
FBS Wall
Materiality under Development

3.5’

+13.00’

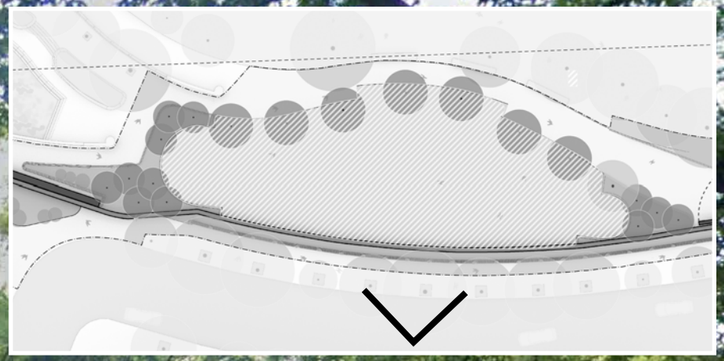
Turner ARCADIS SCAPE BIG

Playground | Plan



Playground | View from River Terrace

Existing



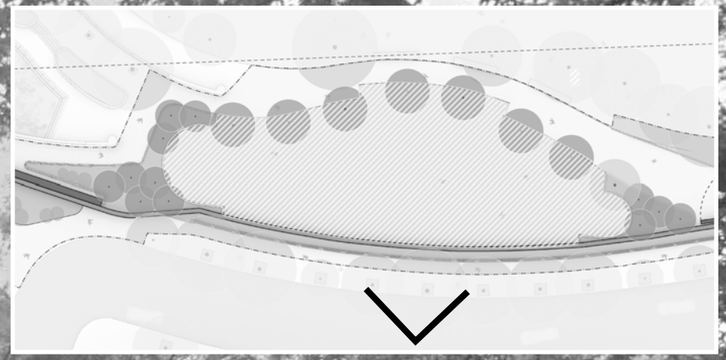
Top of Wall: +14.5’

2.75’

+11.75’

Playground | View from River Terrace

Existing with Flood Barrier Line Overlay



FBS Wall

Playground | View from River Terrace

Proposed



EXISTING TREE

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Floodwall Offset from Previous Stone Wall Location, New Planting along Sidewalk

4.75’

+11.75’

REACH 4
BELVEDERE PLAZA


FERRY TERMINAL
ESPLANADE
LILY POND
IRISH HUNGER
MEMORIAL

What We Heard: Lily Pond, Irish Hunger Memorial and Ferry Terminal

- Interest in more planting and less paving
- Need to balance planting with activities and programs at Irish Hunger Memorial Plaza
- Interest in better understanding height and visual presence of the wall and gates in front of the Irish Hunger Memorial and in front of 300 Vesey
- Interest in better accommodating existing queuing needs at Ferry Terminal



Lily Pond | Plan

Ferry Terminal

New immersive landscape with seating areas

Existing Lily Pond remains

+9.5’

+10’

+12.5’

TOP OF WALL: +16.5’

Lily Pond

+10’

+13’

Playground

Expanded planting area and reduced hardscape

+12’

50’ Roller gate (No. SG403)

Irish Hunger Memorial

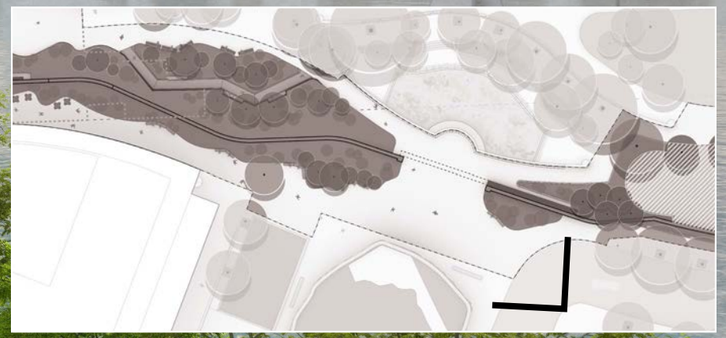
LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- PLATFORM RECONSTRUCTION AREA
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 10’ 20’ 50’ N

Lily Pond | Aerial View

Proposed



EXISTING TREE

EXISTING TREE

Existing Lily Pond

EXISTING TREE

+ 12.40’

+ 13.00’

+ 10.00’

Expanded planting and seating area and reduced hardscape

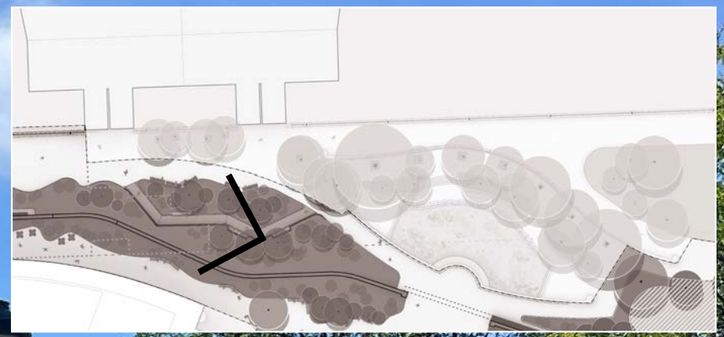
FBS Wall
Materiality under Development

Top of Wall: +16.5’

+ 12.00’

Upper Path | View to South

Existing



+ 12.50’

Upper Path | View to South

Existing with Flood Barrier Line Overlay

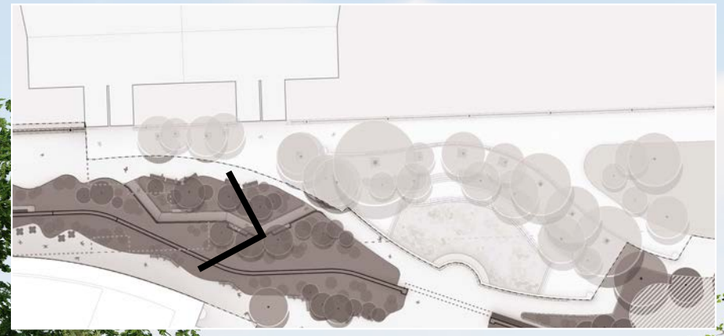


FBS Wall

+ 12.50’

Upper Path | View to South

Proposed



Top of Wall:
+16.5’

Planted Berm

+ 12.40’

Esplanade and Ferry Terminal | Plan

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- PLATFORM RECONSTRUCTION AREA
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 10’ 20’ 50’ N

Ferry Terminal

Lounge seating with views

Benches with views

New trees in expanded tree grates

Existing Ferry Terminal entrance to remain

25’ Roller gate (No. SG401)

25’ Roller gate (No. SG402)

+12.5’

+12.5’

+12.5’

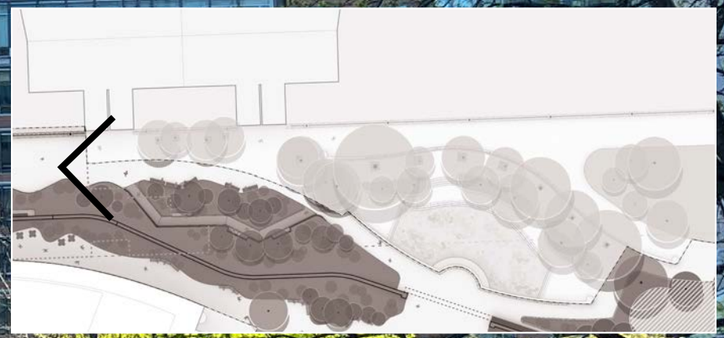
+12.5’

+9.5’

New seating areas

Ferry Terminal | View from South

Existing



Top of Wall: +14’

+ 9.50’

Ferry Terminal | View from South

Existing with Flood Barrier Line Overlay



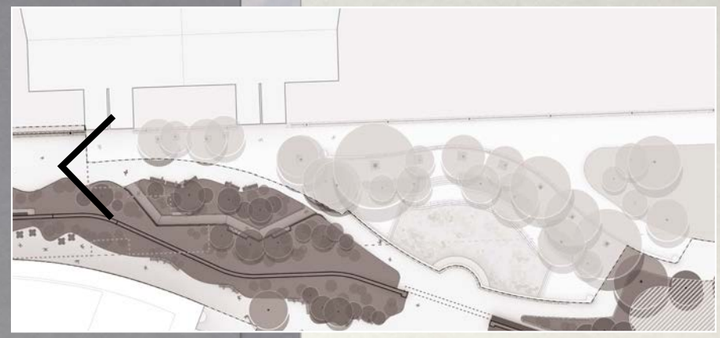
FBS Wall

Turner · CRUZ · ARCADIS · SCAPE · BIG · WSP

Ferry Terminal | View from South

Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



EXISTING TREE

EXISTING TREE

New expanded planting area

New immersive landscape area with secondary path

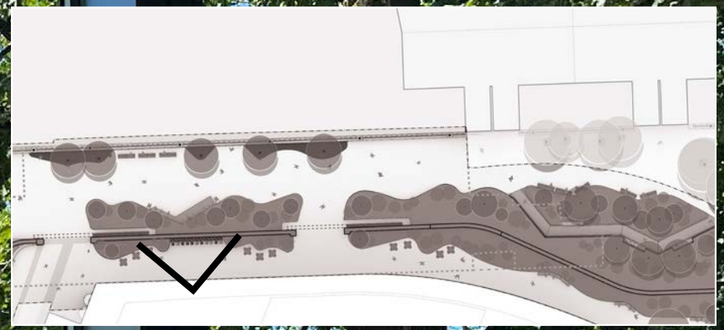
Top of Wall: +16.5’

FBS Wall
Materiality under Development

+ 10.00’

Esplanade and Ferry Terminal | View from 300 Vesey

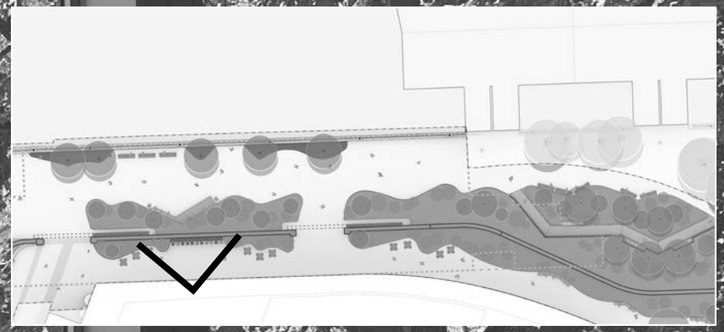
Existing



+ 12.40’

Esplanade and Ferry Terminal | View from 300 Vesey

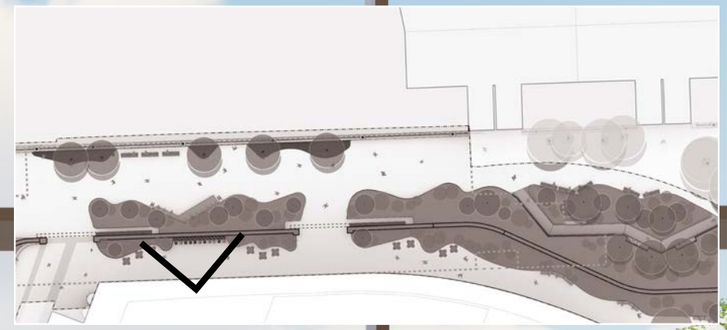
Existing with Flood Barrier Line Overlay



FBS Wall

Esplanade and Ferry Terminal | View from 300 Vesey

Proposed



FBS Wall
Materiality under Development

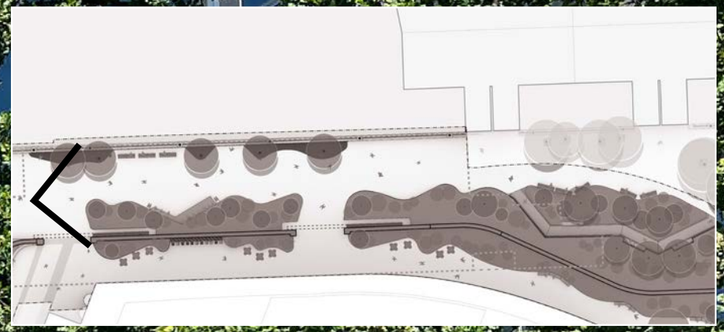
Top of Wall:
+16.5’

+ 12.40’

Movable Tables and Chairs

Esplanade and Ferry Terminal | View to North

Existing

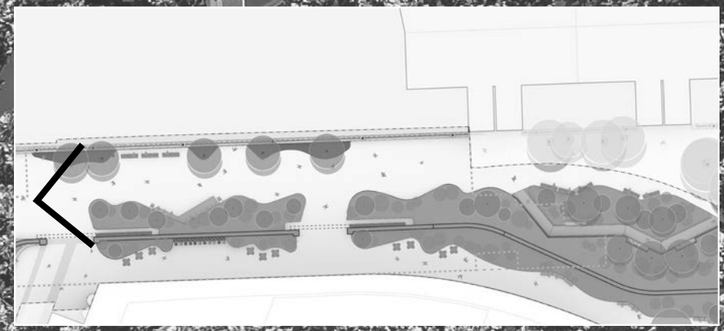


Top of Wall: +14’

+ 9.50’

Esplanade and Ferry Terminal | View to North

Existing with Flood Barrier Line Overlay

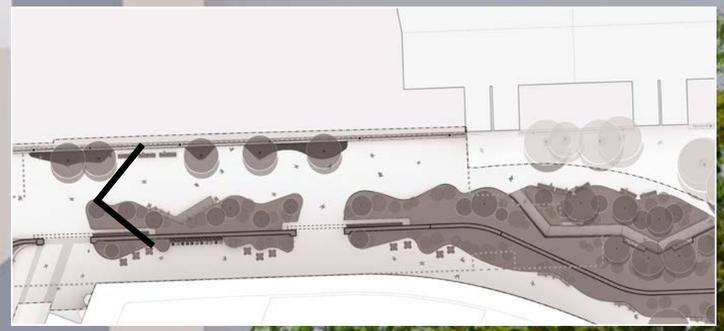


FBS Wall

New Raised Platform

Esplanade and Ferry Terminal | View to North

Proposed



Custom Lounge Seating

Top of Wall:
+16.5’

FBS Wall
Materiality under Development

+ 12.50’

+ 12.50’

REACH 5
NORTH COVE MARINA

HUDSON RIVER

ESPLANADE PLAZA

NORTH COVE MARINA

BELVEDERE PLAZA

300 VESEY STREET

NORTH END AVE.

KOWSKY PLAZA

250 VESEY STREET

WATERFRONT PLAZA

PUMP HOUSE PARK

225 LIBERTY STREET

SOUTH END AVE.

What We Heard: Reach 5

- Views and public space are a priority
- Protect as many mature trees as possible
- Too many switch backs in previous design
- A lot of existing hardscape with little shade in existing condition
- Programming and planned events are popular and should be accommodated in the new design (ice skating, white dinner, screenings, etc.)
- Maintain or expand dining terraces
- Area between FBS wall and Pumphouse Park is a pedestrian pinch point



Reach 5 | Proposed Plan

Hudson River

North Cove Marina

Esplanade Plaza
+9.5’

+12’

Top of Wall:
+16.5’

Belvedere Plaza
+12.5’

300 Vesey St.

North End Ave.

Vesey St.

250 Vesey St.

Kowsky Plaza
+14.3’

Gateway Plaza

+9.8’

Pump House Park
+14.0’

+14.0’
Waterfront Plaza

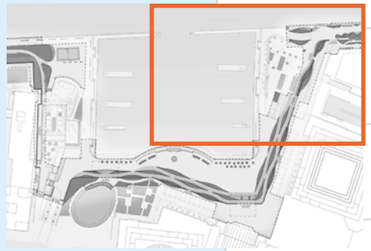
Winter Garden

South End Ave.

LEGEND
- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 20’ 60’ 100’ 200’ N

Reach 5 Belvedere Plaza | Proposed Plan



Hudson River

North Cove
Marina

+9.5’

+12.5’

TOP OF WALL:
+16.5’

25' ROLLER
GATE (SG511)

10' ROLLER
GATE (SG510)

35' ROLLER
GATE (SG509)

Belvedere Plaza

+12.5’

300 Vesey st.

North end Ave

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

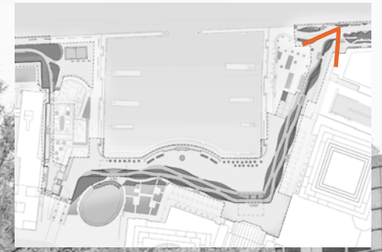
0’ 20’ 60’ 100’ 200’

N

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 5 Belvedere Plaza | Existing





Reach 5 Belvedere Plaza | Existing

Existing with Flood Barrier Line Overlay

Reach 5 Belvedere Plaza | Proposed



Opening at 300 Vesey

Planters and Seating integrated Along FBS

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

FBS Wall
Materiality under Development

Top of Wall: +16.5’

+ 12.50’

Reach 5 Waterfront Stepdown | Existing



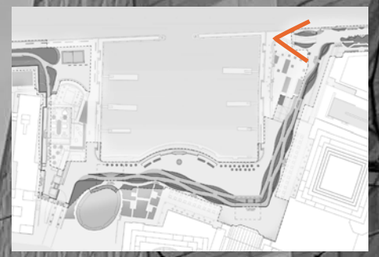
+8.50’

+9.50’

+ 12.50

Reach 5 Waterfront Stepdown | Existing

Existing with Flood Barrier Line Overlay



+8.50’

+9.50’

+ 12.50

Reach 5 Waterfront Stepdown | Proposed



New Greenscape and Trees at Redesigned Step Down

Universal Access Mitigates Elevation Difference

EXISTING TREE

+ 12.50’

+8.50’

+9.50’

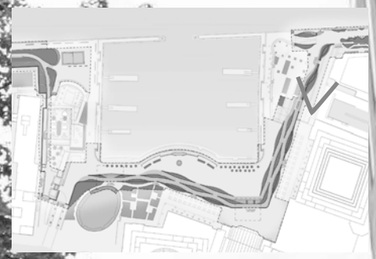
Reach 5 Belvedere Plaza | Existing



+ 12.50’

Reach 5 Belvedere Plaza | Existing

Existing with Flood Barrier Line Overlay



+ 12.50’

Reach 5 Belvedere Plaza | Proposed



Planters and Seating integrated Along FBS

Opening at 300 Vesey

EXISTING TREE

EXISTING TREE

EXISTING TREE

FBS Wall
Materiality under Development

Top of Wall: +16.5’

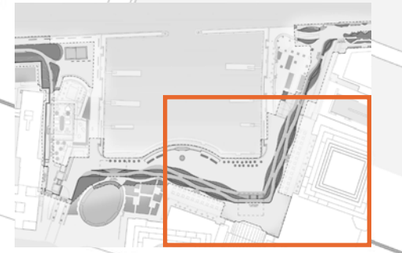
+ 12.50’

Reach 5 Waterfront Plaza | Proposed Plan

North Cove
Marina

TOP OF WALL:
+16.5'

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



10' DEPLOYABLE GATE (SG509)

10' DEPLOYABLE GATE (SG508)

10' DEPLOYABLE GATE (SG505)

10' DEPLOYABLE GATE (SG506)

50' DEPLOYABLE GATE (SG507)

Waterfront Plaza

+9.8'

+14.0'

250 Vesey Street

Winter Garden

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0' 20' 60' 100' 200'

N

Turner CRUZ ARCADIS SCAPE BIG WSP

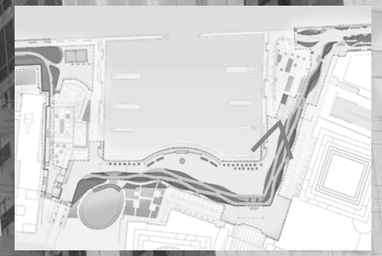
Reach 5 Waterfront Plaza | Existing



+ 9.80’

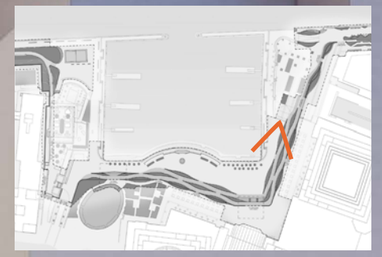
Reach 5 Waterfront Plaza | Existing

Existing with Flood Barrier Line Overlay



+ 9.80’

Reach 5 Waterfront Plaza | Proposed



New Trees and Planting

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Sculptural Seating

Universal Access Across Reach

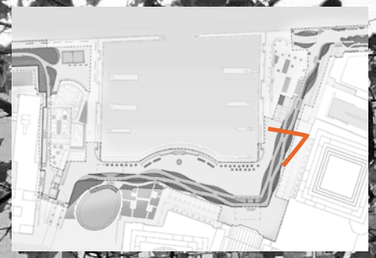
+ 9.80’

Reach 5 Dinning Area | Existing



Reach 5 Dinning Area | Existing

Existing with Flood Barrier Line Overlay



Reach 5 Dinning Area | Proposed



Accessible Connection to Lower Esplanade

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Marina Views Maintained

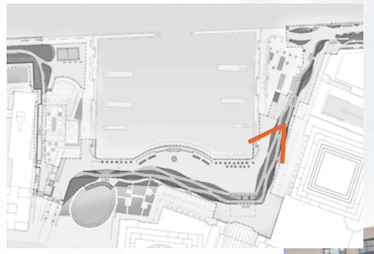
Sculptural Seating Along FBS

EXISTING TREE

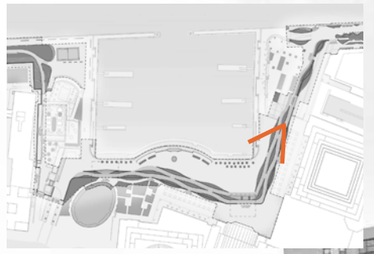
EXISTING TREE

EXISTING TREE

Reach 5 Waterfront Plaza | Existing



+ 9.80’



Reach 5 Waterfront Plaza | Existing

Existing with Flood Barrier Line Overlay

+ 9.80’

Reach 5 Waterfront Plaza | Proposed



New Planting and Shade

Relieved Pinch Point

FBS Wall
Materiality under Development

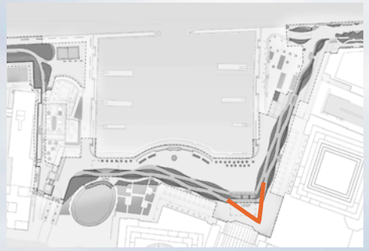
Top of Wall: +16.5’

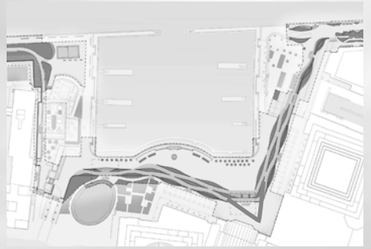
+ 14.00’

+ 9.80’

Widened Accessible Paths

Reach 5 Upper Plaza | Existing





Reach 5 Upper Plaza | Existing

Existing with Flood Barrier Line Overlay

Reach 5 Upper Plaza | Proposed



New Access to Lower Esplanade From Winter Garden Plaza

Open Plaza Maintained

Top of Wall: +16.5’

FBS Wall
Materiality under Development

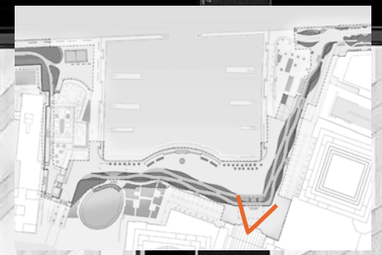
+ 14.00’

Reach 5 Winter Garden | Existing

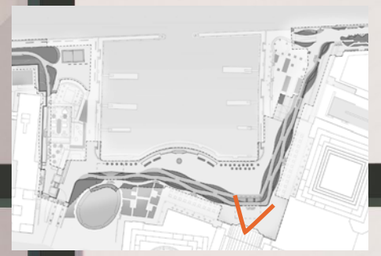


Reach 5 Winter Garden | Existing

Existing with Flood Barrier Line Overlay



Reach 5 Winter Garden | Proposed



New Access to Lower Esplanade From Upper Plaza

Exterior Dining Spaces Maintained

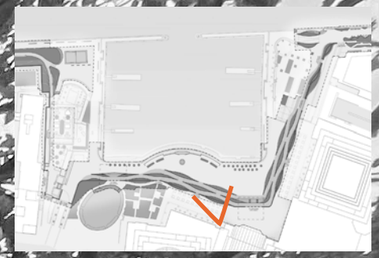
Reach 5 Le District Terrace | Existing



+ 14.00’

Reach 5 Le District Terrace | Existing

Existing with Flood Barrier Line Overlay



+ 14.00’

Reach 5 Le District Terrace | Proposed



Accessible Connection to Lower Esplanade

FBS Wall
Materiality under Development

Top of Wall: +16.5’

Sculptural Seating Along FBS

Exterior Dining Spaces Maintained

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

+ 14.00’

Reach 5 Pumphouse Park | Proposed Plan

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



North Cove Marina

+5.8’

Kowsky Plaza

+14.3’

Police Memorial

+9.8’

+9.8’

Berlin Wall

TOP OF WALL: +16.5’

60’ DEPLOYABLE GATE (SG501)

20’ DEPLOYABLE GATE (SG502)

28.5’ SWING GATE (SG503)

38’ DEPLOYABLE GATE (SG504)

+12.5’

10’ DEPLOYABLE GATE (SG505)

+13.5’

10’ DEPLOYABLE GATE (SG506)

Pump House Park

LEGEND

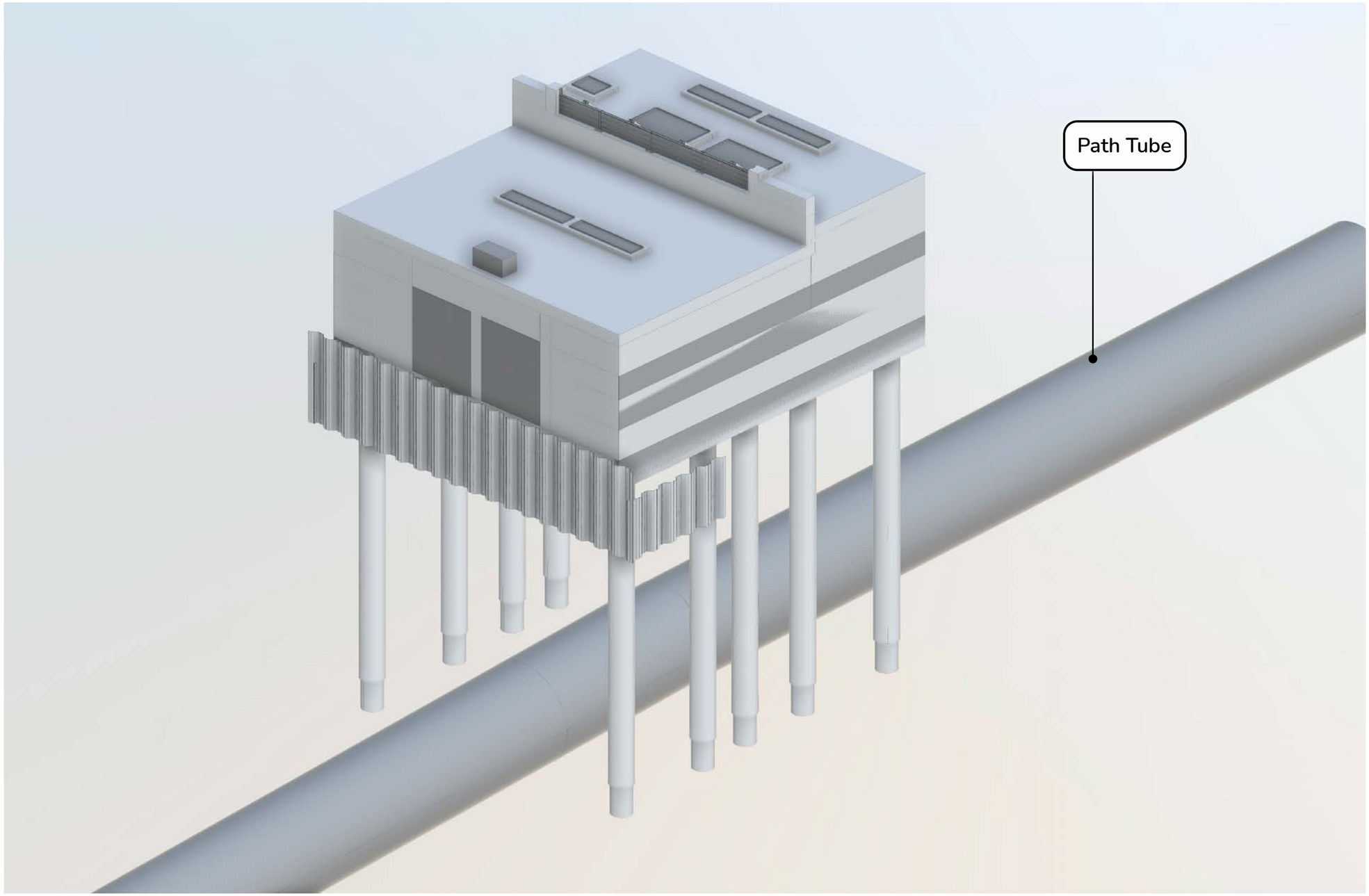
- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK
- BRIDGING STRUCTURE

0’ 20’ 60’ 100’ 200’

N

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 5 Pumphouse Park | Bridging Structure



Reach 5 Pumphouse Park | Subsurface Constraints

PATH TUNNELS

RELIEVING PLATFORM

UTILITIES AND EASEMENTS

PATH TUNNELS

PATH TUNNELS

ESPLANADE PLAZA

KOWSKY PLAZA

POLICE MEMORIAL

PUMPHOUSE PARK

WATERFRONT PLAZA

BELVEDERE PLAZA

FERRY TERMINAL

300 VESEY STREET

NORTH END AVENUE

250 VESEY STREET

SOUTH END AVENUE

225 LIBERTY STREET

Reach 5 Pumphouse Park | Constraints and Offsets

PATH TUNNEL

BRIDGING STRUCTURE

50’

50’

35’

PUMPHOUSE PARK

LEGEND

- BRIDGING STRUCTURE OFFSET
- 15’ PLANTING OFFSET
- RELIEVING PLATFORM
- CONSTRUCTION ZONE

N

Reach 5 Pumphouse Park | Existing



EXISTING RETAINING WALL

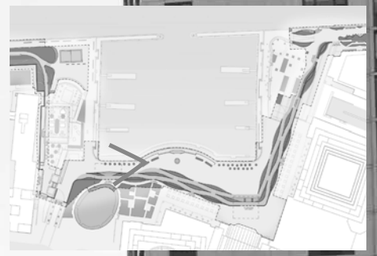
+ 11.00’

+ 9.80’

DATUM REFERENCE: NAVD88

Reach 5 Pumphouse Park | Existing

Existing with Flood Barrier Line Overlay



+ 11.00’

+ 9.80’

DATUM REFERENCE: NAVD88

Reach 5 Pumphouse Park | Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



Direct Connection to Pumphouse Park

Universally Accessible Connection to Park

FBS Wall
Materiality under Development

Top of Wall: +16.5’

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

New Seating and Planting

Flexible Furniture Area Maintained

EXISTING TREE

EXISTING TREE

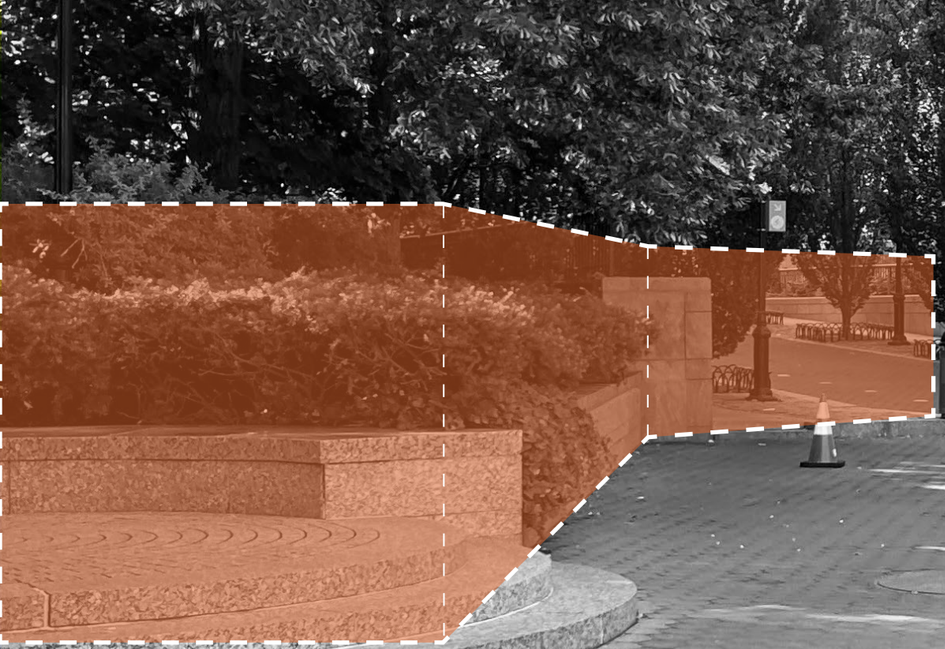
+ 9.80’

turner HNTB ARCADIS SCAPE BIG WSP

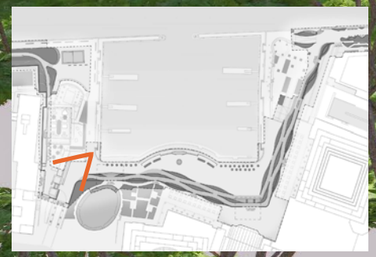
Reach 5 Police Memorial | Existing

Reach 5 Police Memorial | Existing

Existing with Flood Barrier Line Overlay



Reach 5 Police Memorial | Proposed



Top of Wall:
+16.5’

FBS Wall
Materiality under Development

EXISTING TREE

EXISTING TREE

FBS Deployable
Materiality under Development

Utility Buildings
Not Disturbed

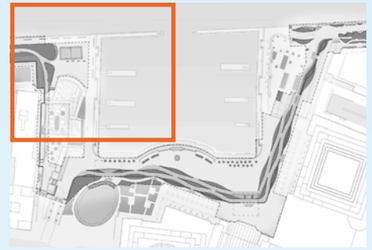
Police Memorial
Access Not Disrupted

EXISTING TREE

EXISTING TREE

+ 9.80’

Reach 5 Kowsky Plaza | Proposed Plan



South Esplanade

90' DEPLOYABLE GATE (SG606)

15' ROLLER GATE (SG607)

10' DEPLOYABLE GATE (SG608)

Volleyball

+9.0'

+5.8'

North Cove Marina

TOP OF WALL: +20'(DFE+16.5')

Kowsky Plaza

+14.3'

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0' 20' 60' 100' 200'

N

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 5 Kowsky Plaza | Existing



EXISTING PRIVACY WALL AND FENCE

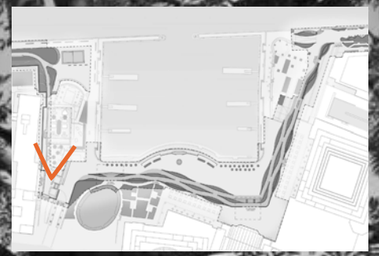
DFE

+ 14.30’

DATUM REFERENCE: NAVD88

Reach 5 Kowsky Plaza | Existing

Existing with Flood Barrier Line Overlay



EXISTING PRIVACY WALL AND FENCE

DFE

+ 14.30’

DATUM REFERENCE: NAVD88

Reach 5 Kowsky Plaza | Proposed



Impacted Trees

FBS Wall
Materiality under Development

Top of Wall: +20.5’

EXISTING PRIVACY WALL AND FENCE

DFE

DATUM REFERENCE: NAVD88

REACH 6
SOUTH ESPLANADE

HUDSON RIVER

SOUTH ESPLANADE

SOUTH COVE

VOLLEYBALL COURT

REGATTA RESIDENCES

HUDSON TOWERS

KOWSKY PLAYGROUND

LIBERTY TERRACE

RECTOR PARK

LIBERTY HOUSE

GATEWAY APARTMENTS

3RD PL.

WHAM ST.

RECTOR PL.

ALBANY ST.

BATTERY PL.

SOUTH END AVE.

3RD PL.

What We Heard: Reach 6

- Protect as many large trees as possible
- Provide equal or additional vegetation
- What will happen to the Art Installations on site? A few select pieces are popular and valued by the community
- Previous proposed design has too much meander and change in elevation
- Where will the openings in the FBS walls be located and how wide will they be?
- Views to the water from the street-ends should be kept
- Programs at street end nodes are nice amenities



Reach 6 Esplanade Plaza | Existing





Reach 6 Esplanade Plaza | Existing

Existing with Flood Barrier Line Overlay

Reach 6 Esplanade Plaza | Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



Increased Planting and Shading

Top of Wall: +19.5’

Plaza Group Seating

+ 10.00’

+ 9.50’

Preserved Existing Sport Court

Turner ECRUZ ARCADIS SCAPE BIG

Reach 6 Gateway Apartments | Proposed Plan

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



Hudson River

+9.5’

+9.5’

+10.0’

+10.0

+10.0’

TOP OF WALL:
+19.5’

+11

+10.5

+11

+11.3

+11.3

+12

+13

+14

+14.5

Gateway Apartments

4’ DEPLOYABLE GATE (SG604)

15’ ROLLING GATE (SG609)

15’ ROLLING GATE (SG607)

20’ DEPLOYABLE GATE (SG608)

LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- EXISTING TREES
- NEW TREES
- LIMIT OF WORK

0’ 20’ 40’ 100’ N

Turner CRUZ ARCADIS SCAPE BIG WSP



Reach 6 Gateway Plaza

Ongoing Flood Barrier System Configuration Options



Solid Flood Barrier System



Flood Barrier System with Deployables

Reach 6 Rector Place - Albany Street | Existing



Reach 6 Rector Place - Albany Street | Existing

Existing with Flood Barrier Line Overlay



Reach 6 Rector Place - Albany Street | Proposed



FBS Wall
Materiality under Development

Top of Wall:
+19.5’

Forest
Seating Nodes

EXISTING TREE

EXISTING TREE

+ 9.50’

Adventure Path

Integrated Wheelchair Spaces

+ 11.50’

Forest Walk

Reach 6 W. Thames Street | Existing



Reach 6 W. Thames Street | Existing

Existing with Flood Barrier Line Overlay



Reach 6 W. Thames Street | Proposed

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT



FBS Wall
Materiality under Development

Top of Wall:
+19.5’

8'

+ 11.50’

EXISTING TREE

Public Art TBD**

EXISTING TREE

* Street Ends Layout Under Review

**To Be Verified with BPCA As Part of A Broader Public Art Strategy

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 6 Regatta Condominium | Proposed Plan



Hudson River

+9.95’
+10’
+9.5’
+9.5’
+11.5’
+12.0’
+11’
+11.5’
+9.5’
+10’
TOP OF WALL: +19.5’
30’ ROLLER GATE (SG601)
Regatta Residences
Liberty Terrace Residences
W Thames St.

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 6 View from South Corner of Regatta Bldg | Existing



Reach 6 View from South Corner of Regatta Bldg | Existing

Existing with Flood Barrier Line Overlay



Reach 6 View from South Corner of Regatta Bldg | Proposed



Preserved Existing Esplanade

Green Buffer

FBS Wall
Materiality under Development

Top of Wall:
+19.5’

Adventure Path

EXISTING TREE

EXISTING TREE

EXISTING TREE

EXISTING TREE

+ 11.50’

Forest Walk

+ 9.90’

Reach 6 Entrance Nodes | Program Locations

NATURE PATH

Nature Play

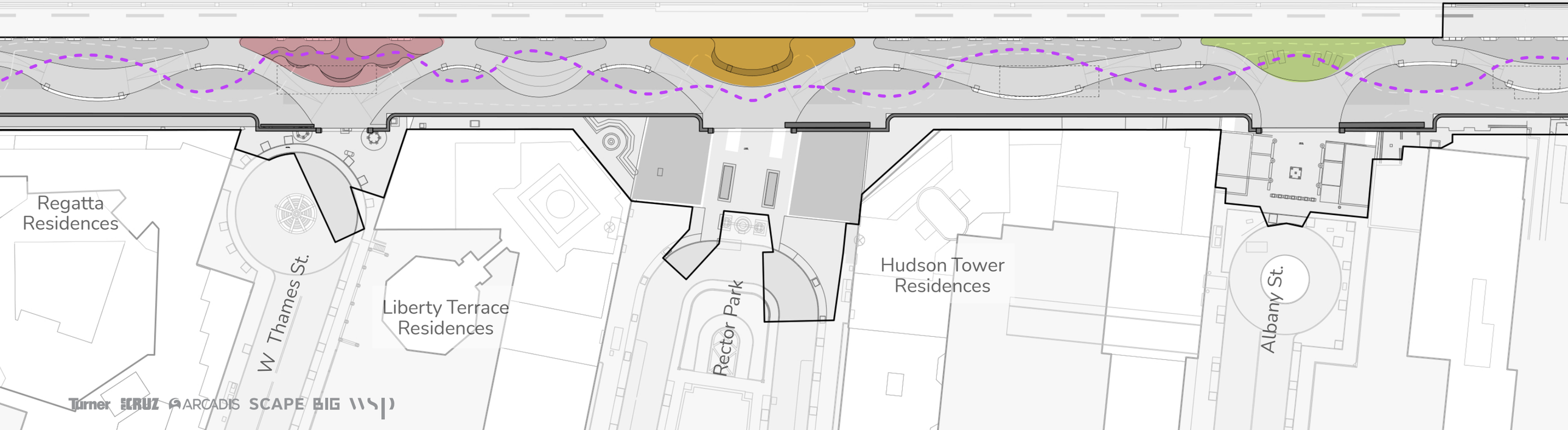


Conversation Room



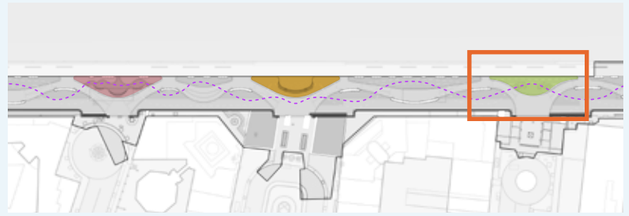
Leisure Lawn





Reach 6 Entrance Nodes | Leisure Lawn

Albany Street



Hudson River

+9.5

+10

+11

+9.5

+9.5

SUN SHOWER DECKS

GENTLE SLOPING LAWN

+11

+12

+11.5

+11

+12

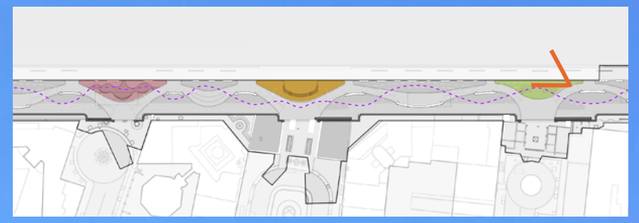
Hudson Tower

Albany St.

Gateway Apartment

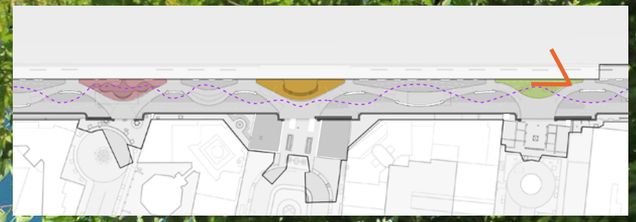
Reach 6 Entrance Nodes | Leisure Lawn

Albany Street - Existing



Reach 6 Entrance Nodes | Leisure Lawn

Albany Street - Proposed



FBS Wall
Materiality under Development

Top of Wall: +19.5’

EXISTING TREE

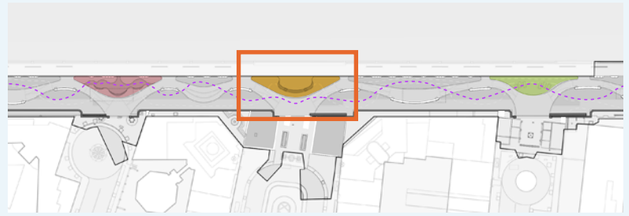
EXISTING TREE

Picnic Lawn

Sun Shower Decks

Reach 6 Entrance Nodes | Conversation Room

Rector Place



Hudson River

SEMI CIRCULAR GEOMETRY
MIMIC EXISTING CONDITION

OPEN PLAZA SPACE
IS FULLY ACCESSIBLE

SLOPING PLANTERS
TO MITIGATE
GRADE CHANGE

+9.5'

+9.5'

+9.5'

+9.5'

+11'

+11'

+11.5'

+11'

Liberty Terrace

Rector Place

Liberty House

50' ROLLER
GATE (SG602)

Reach 6 Entrance Nodes | Conversation Room

Rector Place - Existing

Reach 6 Entrance Nodes | Conversation Room

Rector Place - Proposed

Green Buffer

Wheelchair Spaces

Large Communal Bench

FBS Wall
Materiality under Development

Top of Wall: +19.5’

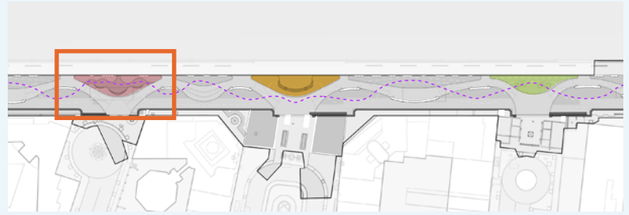
+ 11.50’

Wooden Plaza Deck

+ 9.50’

Reach 6 Entrance Nodes | Nature Play

W Thames St.



Hudson River

+9.5'

RESTRICTED ACCESS
OFF OF ESPLANADE

+9.5'

ENTRANCES
OFF OF PATH

+9.5'

+10.8'

INTEGRATED SEATING

GREEN BUFFER
TO MITIGATE
GRADE CHANGE

+9.5'

ENTRANCES
OFF OF PATH

+11'

+12'

+11.5'

+12'

+11'

Regatta Residence

Liberty Terrace

30' ROLLER
GATE (SG601)

W Thames St.

Turner CRUZ ARCADIS SCAPE BIG WSP

Reach 6 Entrance Nodes | Nature Play

W Thames St. - Existing

Reach 6 Entrance Nodes | Nature Play

W Thames St. - Proposed

Open to Water View

Up-Cycled Wood
Play Structures

EXISTING TREE

+ 9.50’

EXISTING TREE

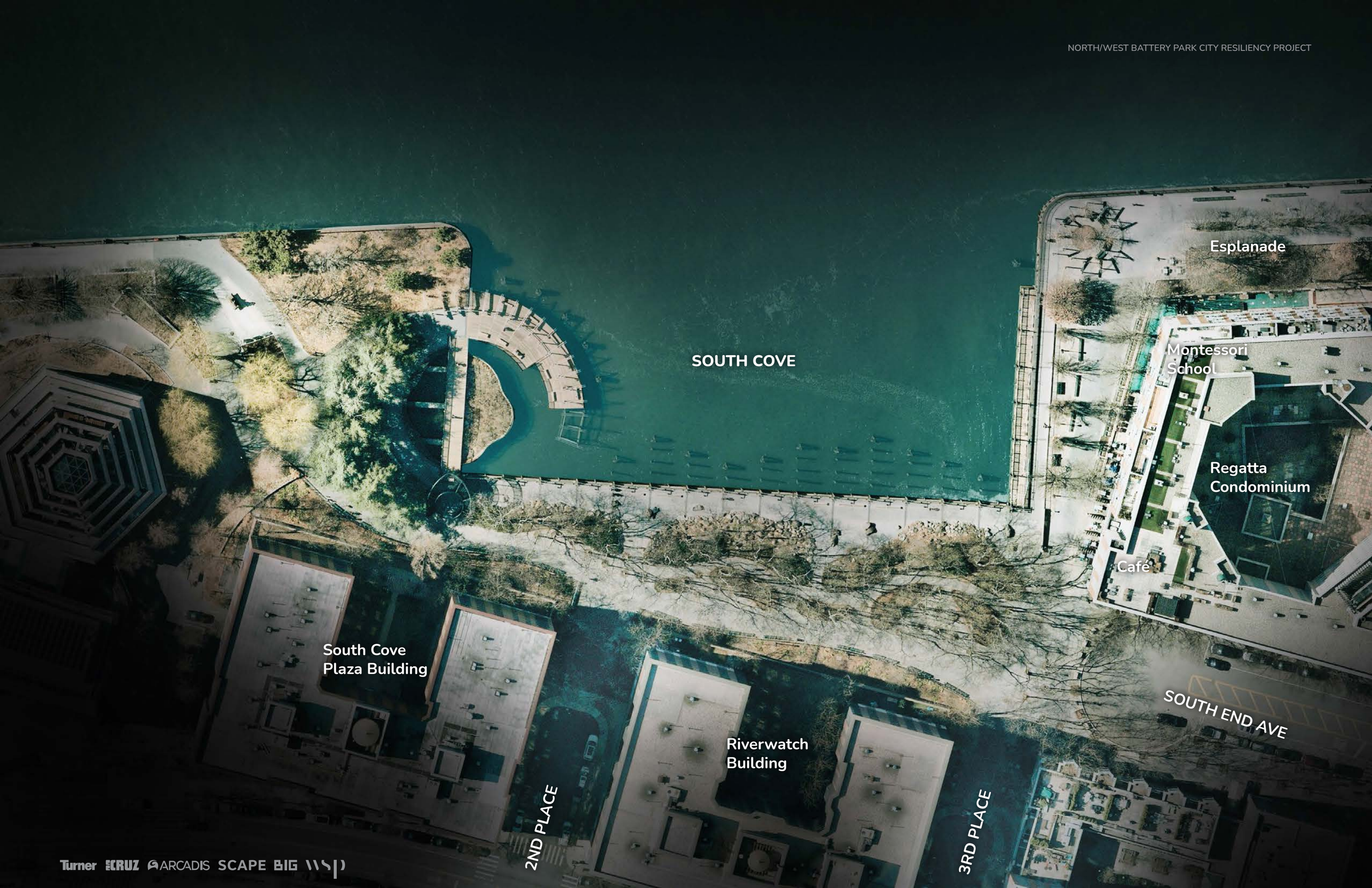
Green Buffer

Integrated Seating

Engineered Wood Fiber

+ 11.50’

REACH 7
SOUTH COVE

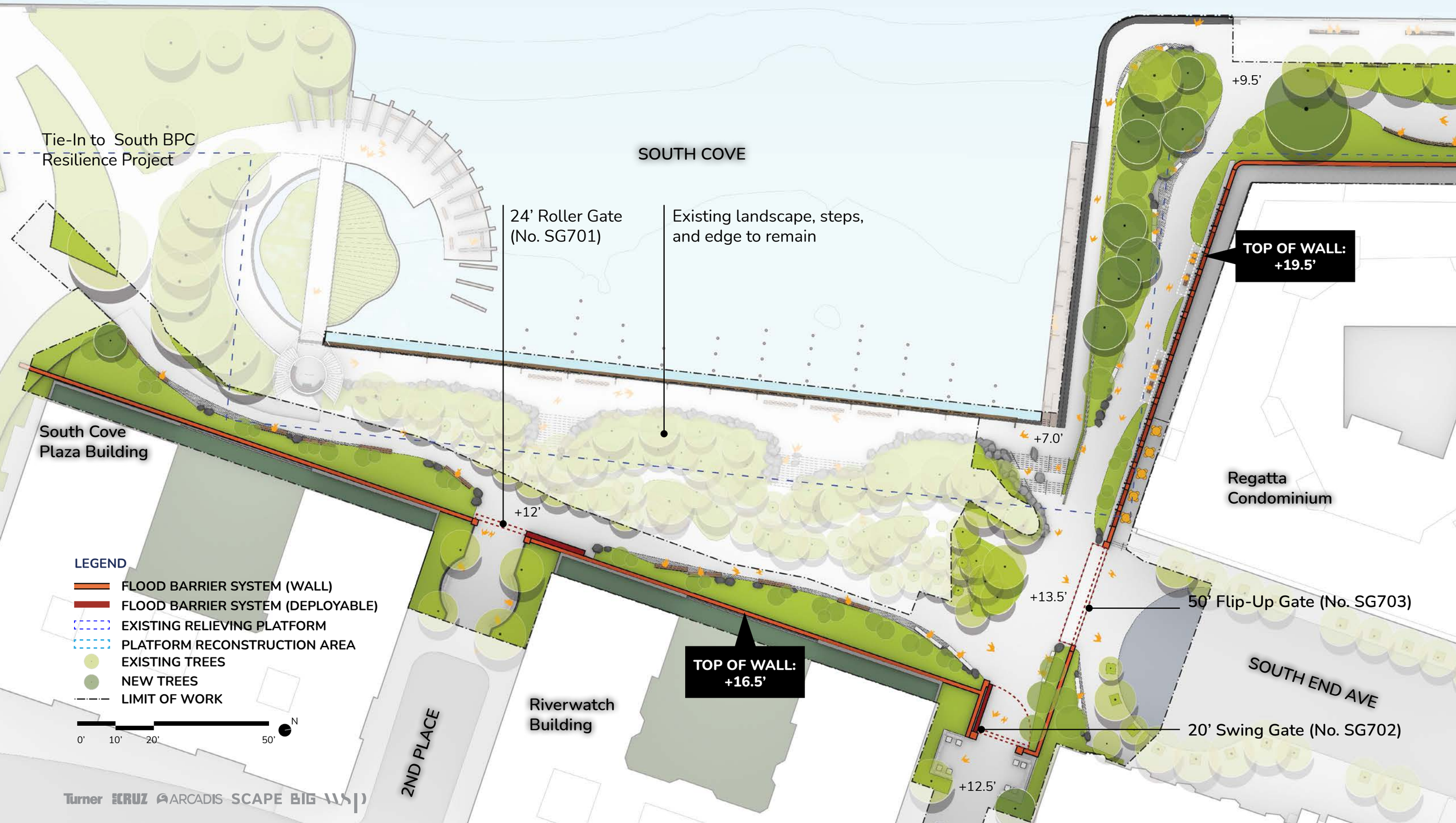

SOUTH COVE
Esplanade
Montessori School
Regatta Condominium
Café
South Cove Plaza Building
Riverwatch Building
2ND PLACE
3RD PLACE
SOUTH END AVE

What We Heard: South Cove

- Importance of protecting existing grove and the feel of a “forest walk”
- Appreciation for quiet, contemplative seating areas along the water’s edge and further inland
- Importance of preserving views from street ends out to the river
- Interest in maintaining, and if possible, expanding, circulation areas to avoid pinch points



South Cove | Plan



South Cove | Aerial View

Proposed

EXISTING TREE GROVE

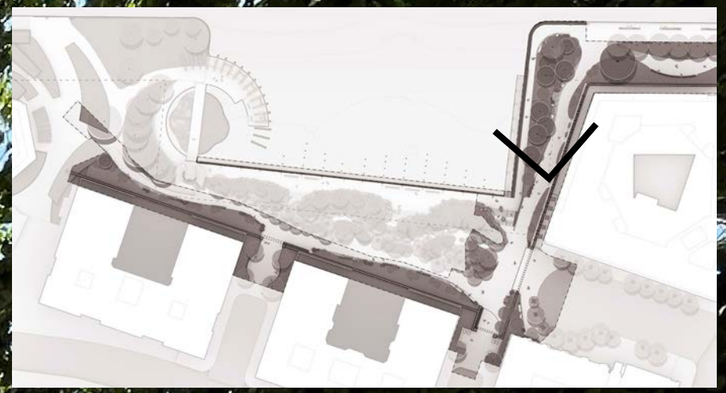
New Planting along Edge

In-Water Habitat Modules

Existing Wood Deck to Remain

South Cove Regatta Area | View West

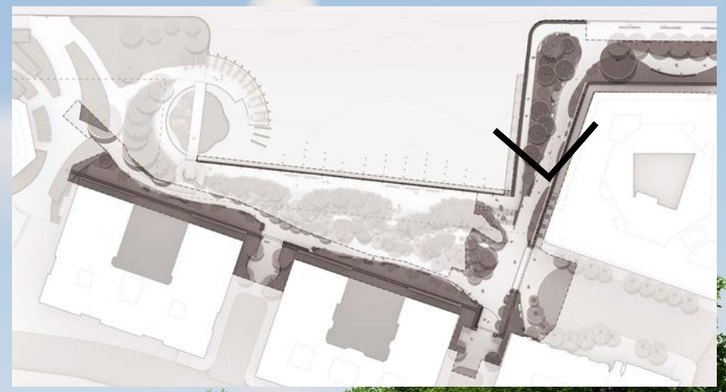
Existing



+ 10.00’

South Cove Regatta Area | View West

Proposed



Statue of Liberty, Beyond

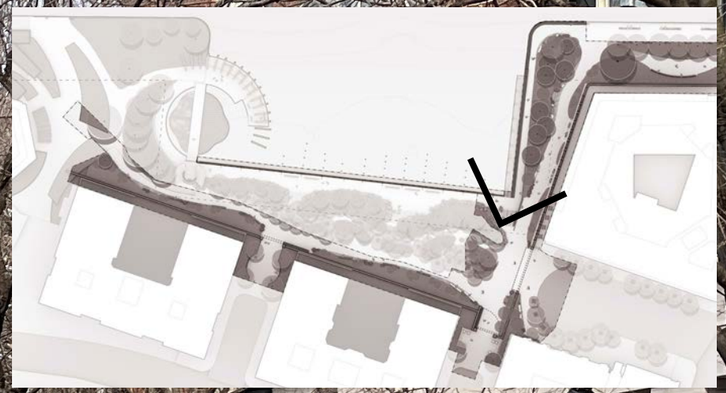
Reclaimed Stone Seating Blocks

New Corner Grove

+ 10.00’

South Cove | View of Lower Ramp

Existing



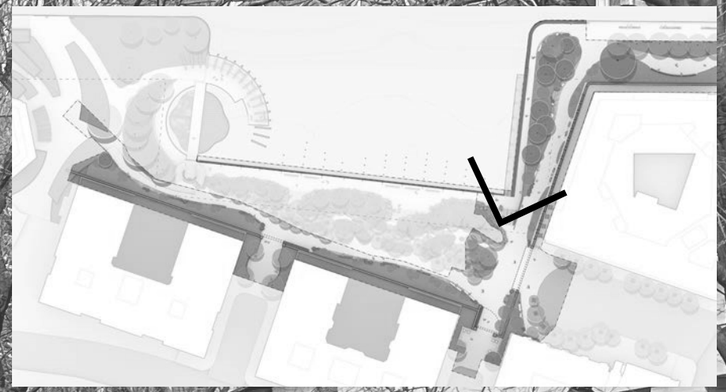
+ 9.50’

+ 5.75’

+ 7.00’

South Cove | View of Lower Ramp

Existing with Flood Barrier Line Overlay



FBS Wall

South Cove | View of Lower Ramp

Proposed



Existing Wood Deck to Remain

New Planting along Edge

Climbing vines

Textured Wall with Storm Elevation Markers

Top of Wall: +19.5’

FBS Wall
Materiality under Development

+ 9.50’

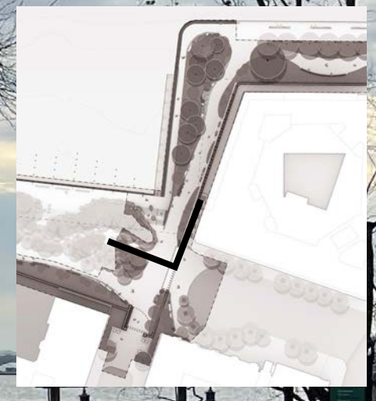
+ 5.75’

+ 7.00’

+ 13.00’

South End Avenue | View from Street

Existing



+ 12.00’

Proposed

EXISTING TREE GROVE

Flip-up deployable concealed in paving

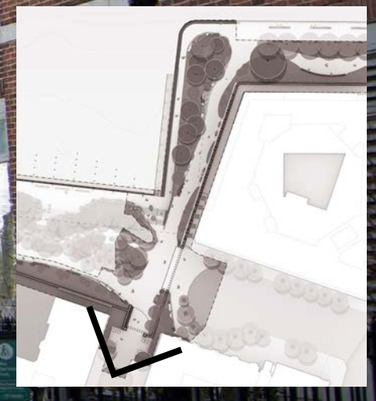
Top of Wall: +19.5’

6’

+ 13.50’

3rd Place | View from Street

Existing



+ 13.00’

Proposed

EXISTING TREE

EXISTING TREE GROVE

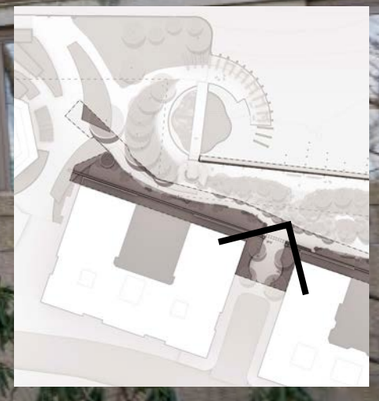
Top of Column: +17.5’

Top of Wall: +16.5’

+ 13.25’

2nd Place | View from Park

Existing



Proposed

EXISTING TREE

EXISTING TREE

EXISTING TREE

Top of Column: +17.5’

Top of Wall: +16.5’

4.5’

5.5

+ 12.00’

NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT

POST 30% DESIGN PROGRESS UPDATE

NOVEMBER 30, 2023

NEW YORK STATE OF OPPORTUNITY. | Battery Park City Authority

Turner | DeCRUZ | ARCADIS | SCAPE | BIG | WSP