



ResilienCity Community Partners
A Turner & EE Cruz Joint Venture

North/West Battery Park City Resiliency Project

Gateway Plaza
Tenants Association

May 24, 2023



1. Welcome and Introduction
2. General Overview
3. Reach 6 - South Esplanade
4. Reach 5 - North Cove
5. Wrap-up & Outstanding Questions
6. Next Steps

Welcome & Intro

1

Project Team

CLIENT TEAM:

CLIENT:



ADVISORS:



CONSULTANTS:



DESIGN-BUILD TEAM:

PRIMARY CONTRACT:



CONSULTANT:



SUB-CONSULTANTS:



General Overview

2

Project Schedule



Precise construction completion dependent upon agency permitting and approvals.

A Piece of a Connected & Resilient Waterfront

US ARMY CORPS OF
ENGINEERS NY-NJ HARBOR
AND TRIBUTARIES STUDY

BATTERY PARK CITY
RESILIENCE PROJECTS
1.15 MILES

TRIBECA

SEAPORT

FINANCIAL
DISTRICT

BROOKLYN BRIDGE - MONTGOMERY
COASTAL RESILIENCE
.80 MILES

EAST SIDE COASTAL
RESILIENCY

THE BATTERY
COASTAL RESILIENCE
.33 MILES

THE FINANCIAL DISTRICT AND SEAPORT
CLIMATE RESILIENCE MASTERPLAN
HIGHLY CONSTRAINED AREA
.90 MILE



Today's Focus Area



Future Flood Risk



Reach 6 – South Esplanade



Battery Park City Esplanade

REACH 6

REGATTA
RESIDENCES

LIBERTY TERRACE
RESIDENCES

LIBERTY HOUSE
RESIDENCES

HUDSON
TOWER
RESIDENCES

GATEWAY
APARTMENTS

1ST PL

2ND PL.

BATTERY PL

3RD PL

W. THAMES ST.

RECTOR PL.

ALBANY ST.

SOUTH END AVE.

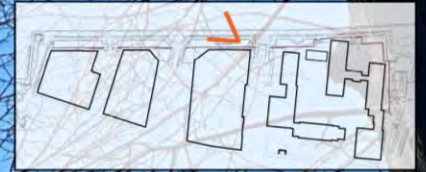


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Battery Park
City Authority

Turner+KRUZ ARCADIS SCAPE BIG WSP



What We Heard

- **Concerns over Impact On Waterfront: Access And Views**
- **Desire to Maintain Waterfront Esplanade and Canopy**
- **Crowding and Mobility Conflicts at Intersections**
- **Concerns Over Use of Bicycles**

Circulation & Access

LEGEND

PRIMARY CIRCULATION - PEDESTRIAN & BIKES

SECONDARY CIRCULATION - PEDESTRIAN

CIRCULATION - NON-ACCESSIBLE

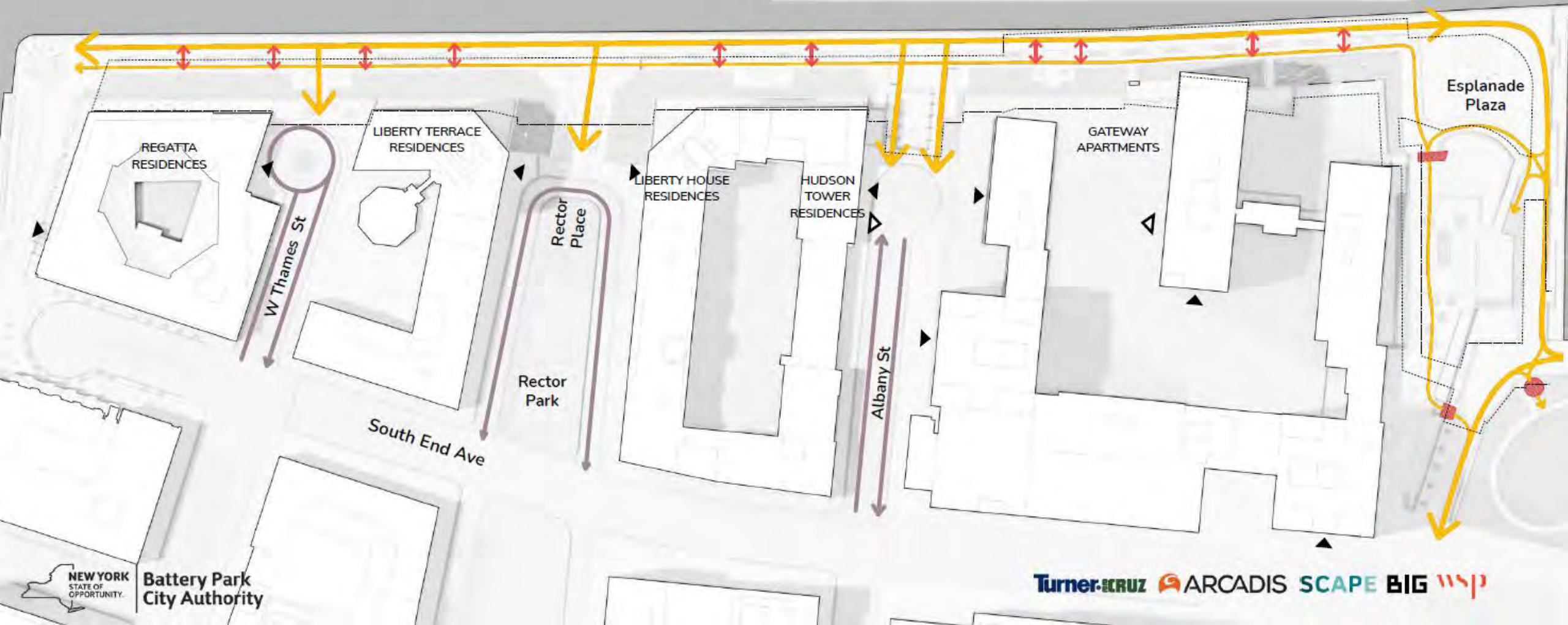
VEHICULAR TRAFFIC



ENTRANCE



VEHICLE EXIT



Circulation & Access



Lower
Level

Upper
Level

Example Condition: W. Thames Street Connection

Existing Green Space and Trees

Hudson River

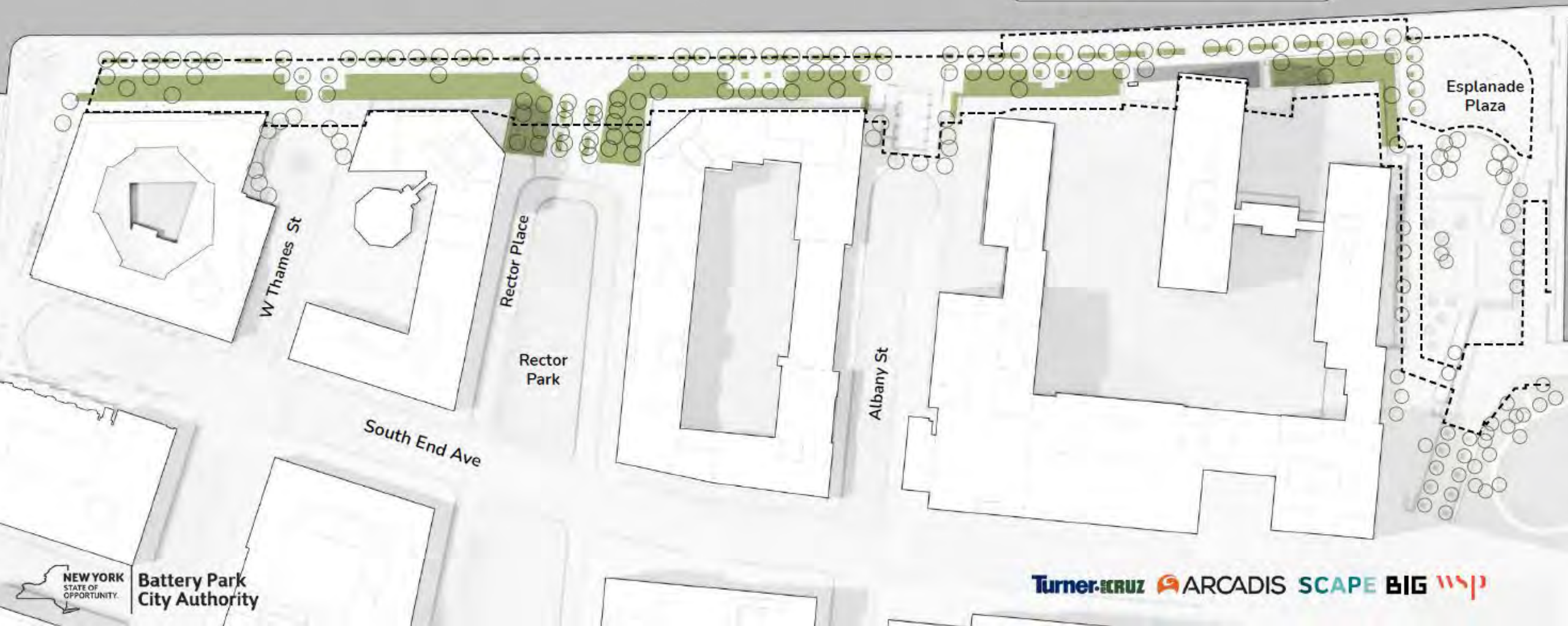
LEGEND

--- LIMIT OF WORK

■ EXISTING GREEN SPACE

— FLOODWALL

○ EXISTING TREES



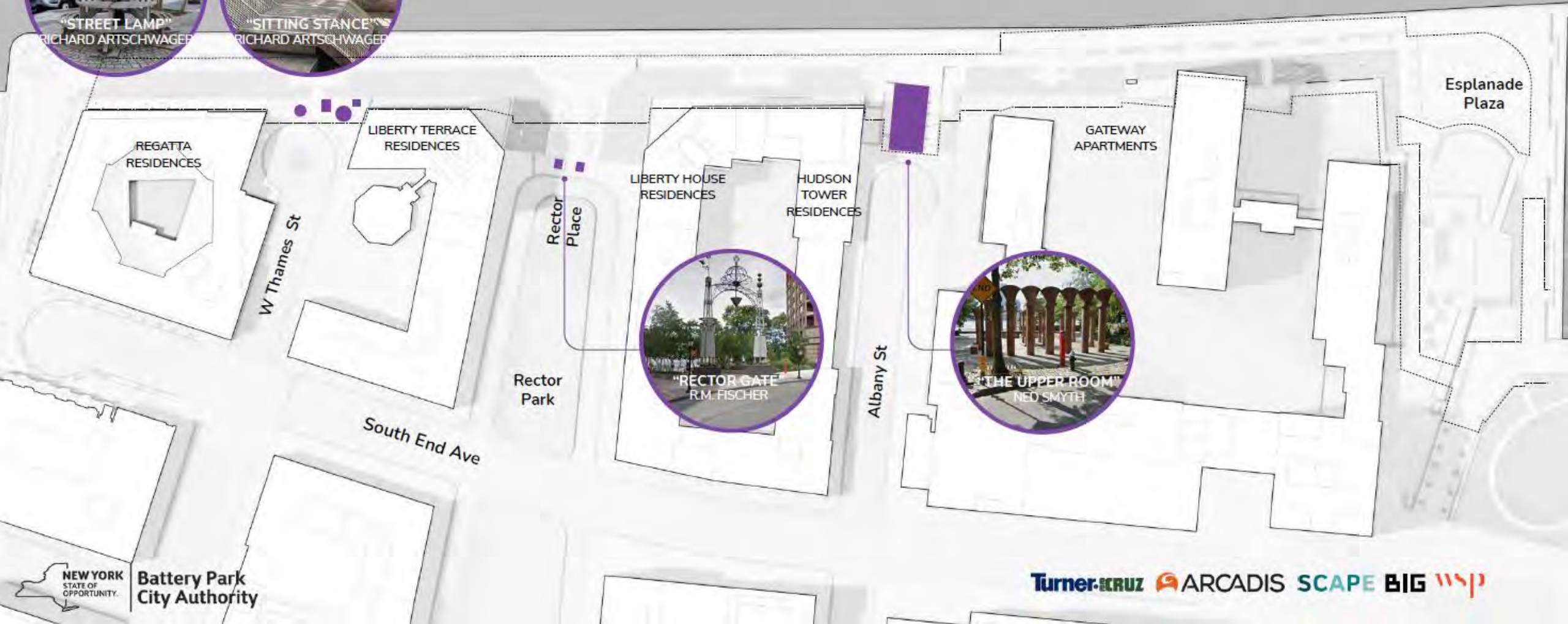
Street End Connections



Hudson River

LEGEND

- EXISTING ARTWORK
- VEHICULAR TRAFFIC



South Esplanade Constraints

Hudson River

LEGEND



EXISTING PLATFORM



COMBINED SEWER



STORMWATER SEWER



EXISTING TREES



WATER

GAS

ELECTRIC

TELECOM

GATEWAY RESIDENCES - CANTILEVER

PRIVACY WALL



What We Heard



REACH 6A: PRIVACY WALL

ADVANTAGES:

- Maximizes preservation of existing mature tree canopy
- Opportunity for new hard and softscape (upper promenade)
- More waterfront access through construction
- Lower construction cost

DISADVANTAGES:

- Potentially increased technical complexity
- Adjacent to residential structures
- Lower-level view impacts



REACH 6B: PLATFORM RECONSTRUCTION & ELEVATION (WEST OF PRIVACY WALL)

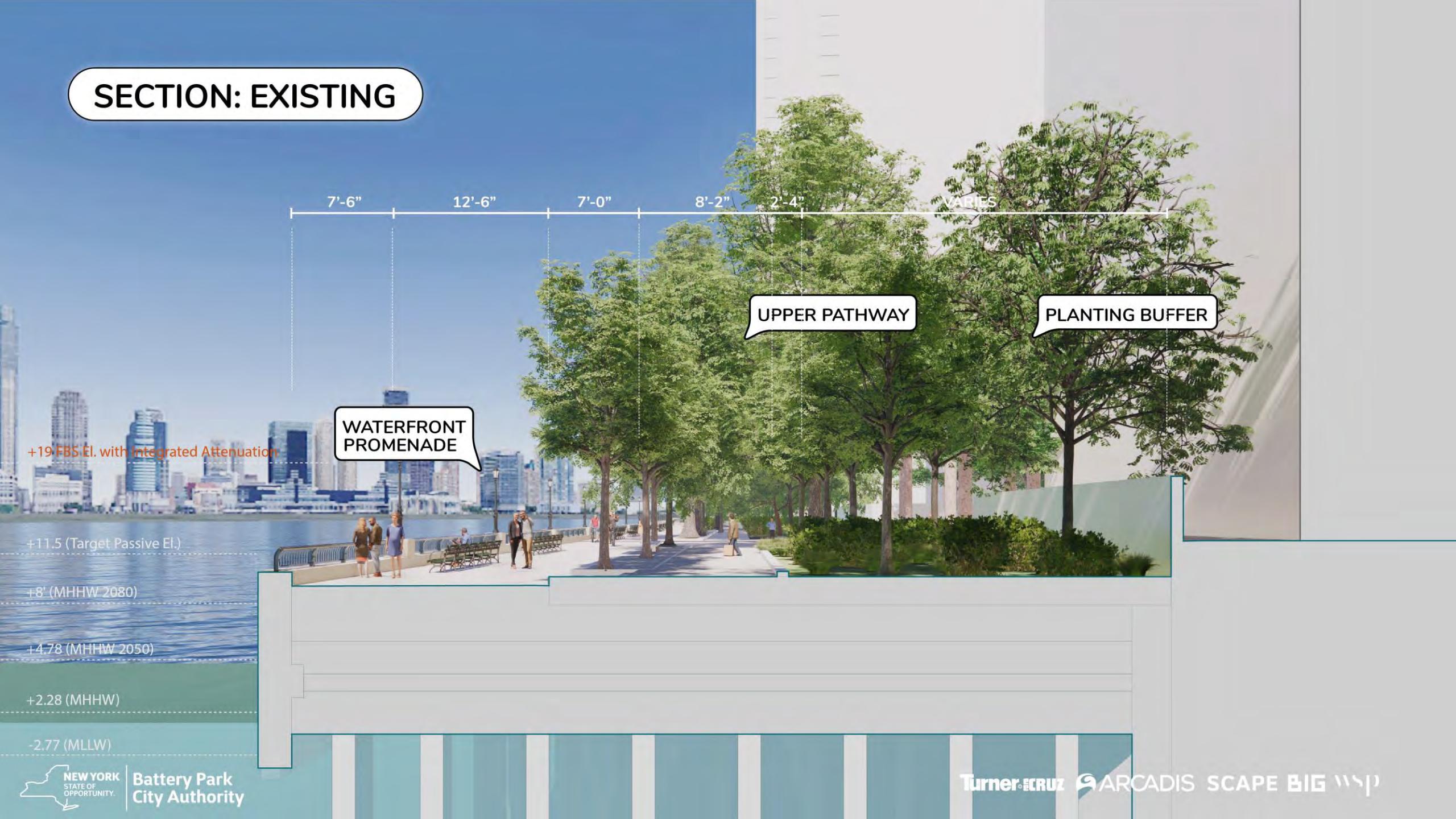
ADVANTAGES:

- Opportunity to raise platform for more resiliency
- Potential for more engagement with water's edge

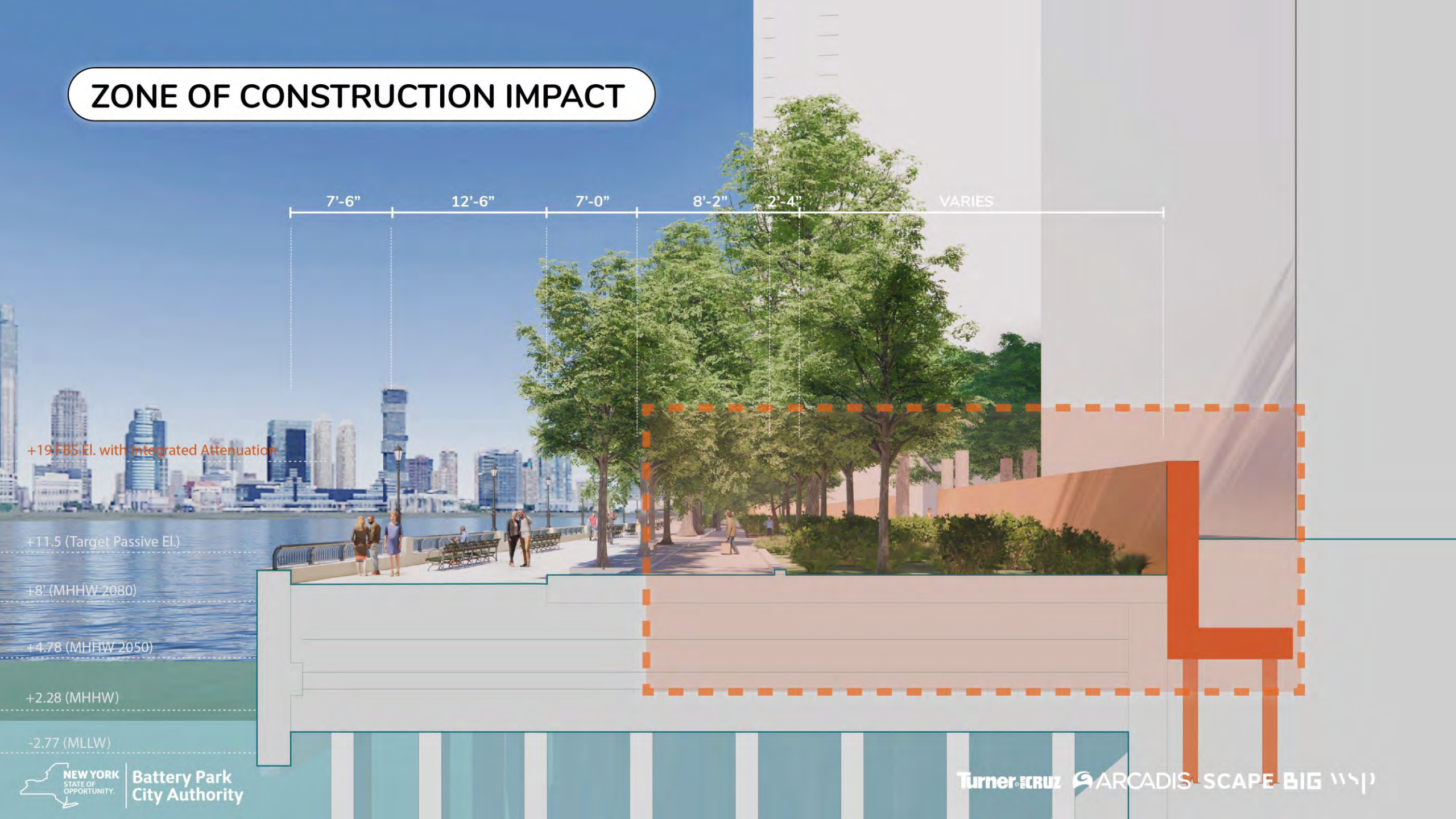
DISADVANTAGES:

- Loss of existing mature tree canopy
- Disruption to waterfront access during construction
- Longer construction duration
- More agency coordination
- Higher construction cost
- Lower-level view impacts

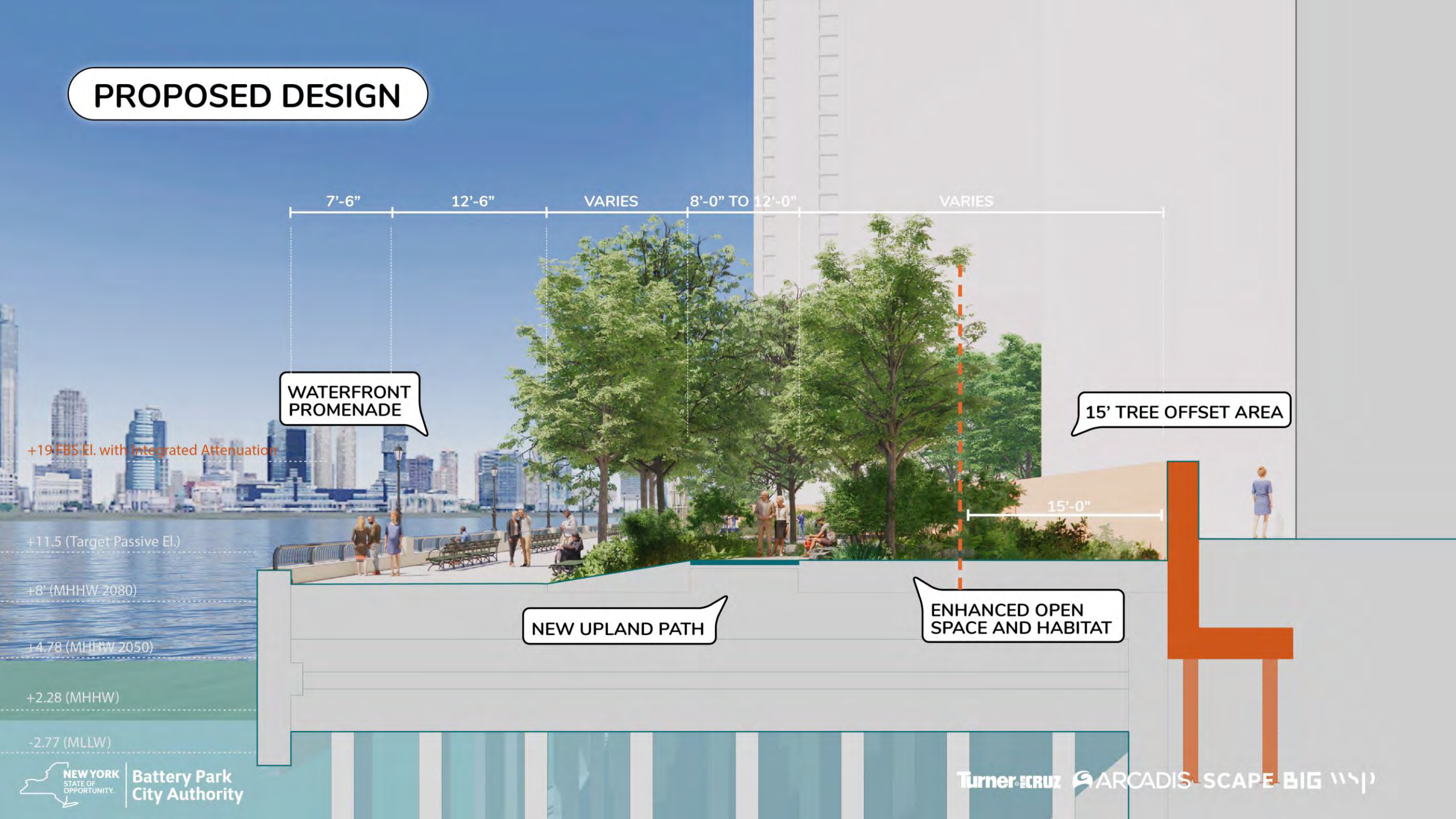
SECTION: EXISTING



ZONE OF CONSTRUCTION IMPACT

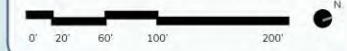


PROPOSED DESIGN



LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (BURIED)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- REMOVED TREES
- EXISTING TREES
- NEW TREES
- AREAS OF SIGNIFICANT IMPACT



Esplanade | Existing



Esplanade | Proposed

Existing Trees (Preserved)

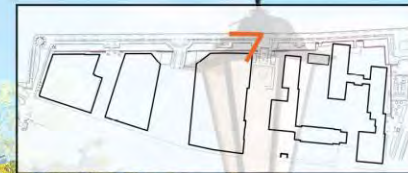
FBS Wall

Meandering Forest Walk

Special Seating

Enhanced Understory Planting

+9.5'



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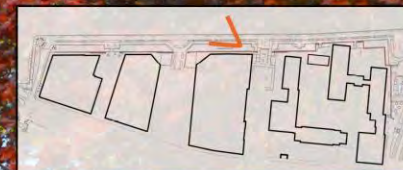
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City Authority

Turner  ARCADIS  SCAPE  BIG  WSP

Rector Place - Albany Street | Existing



Rector Place - Albany Street | Proposed

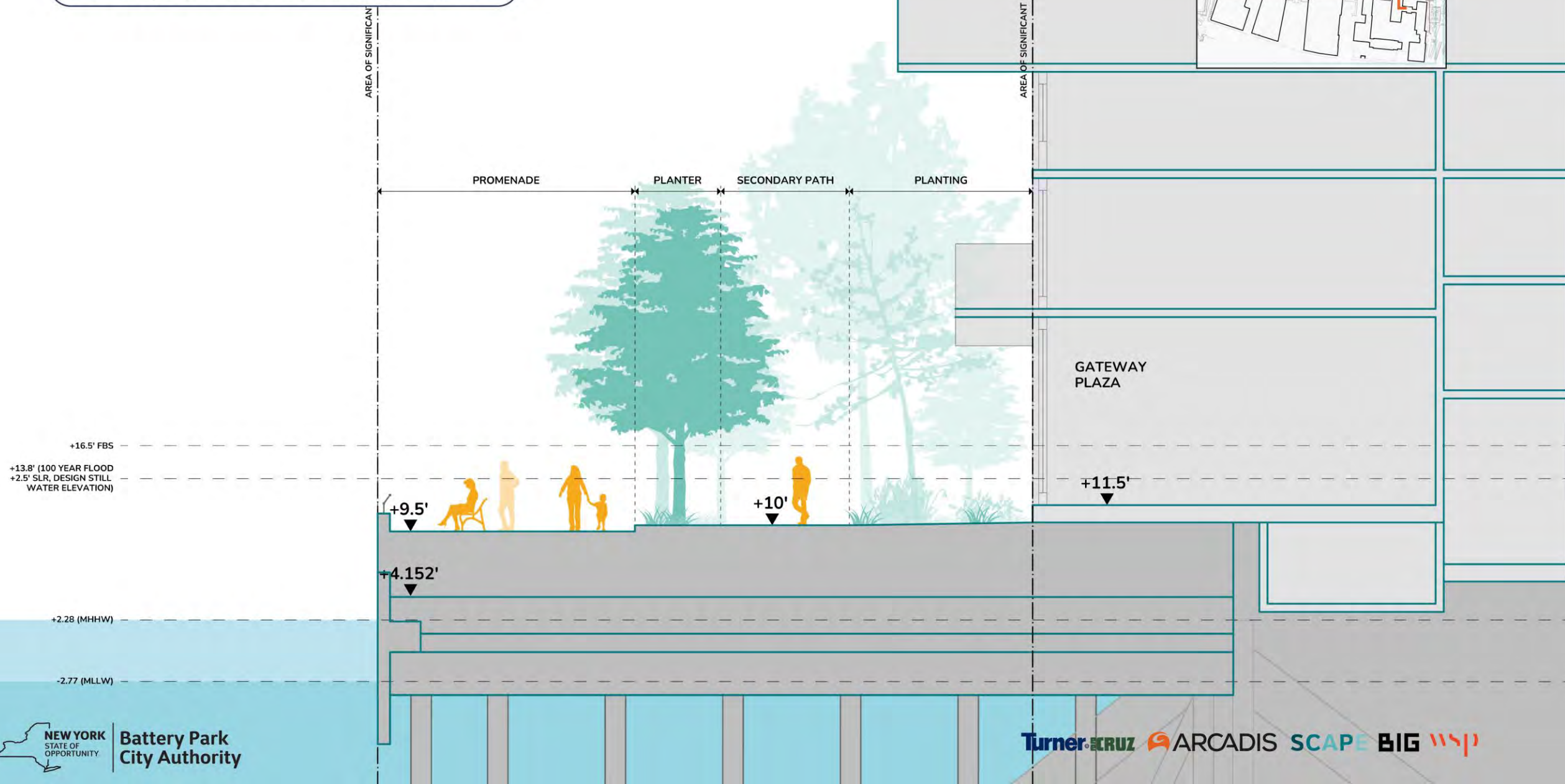


Special Seating

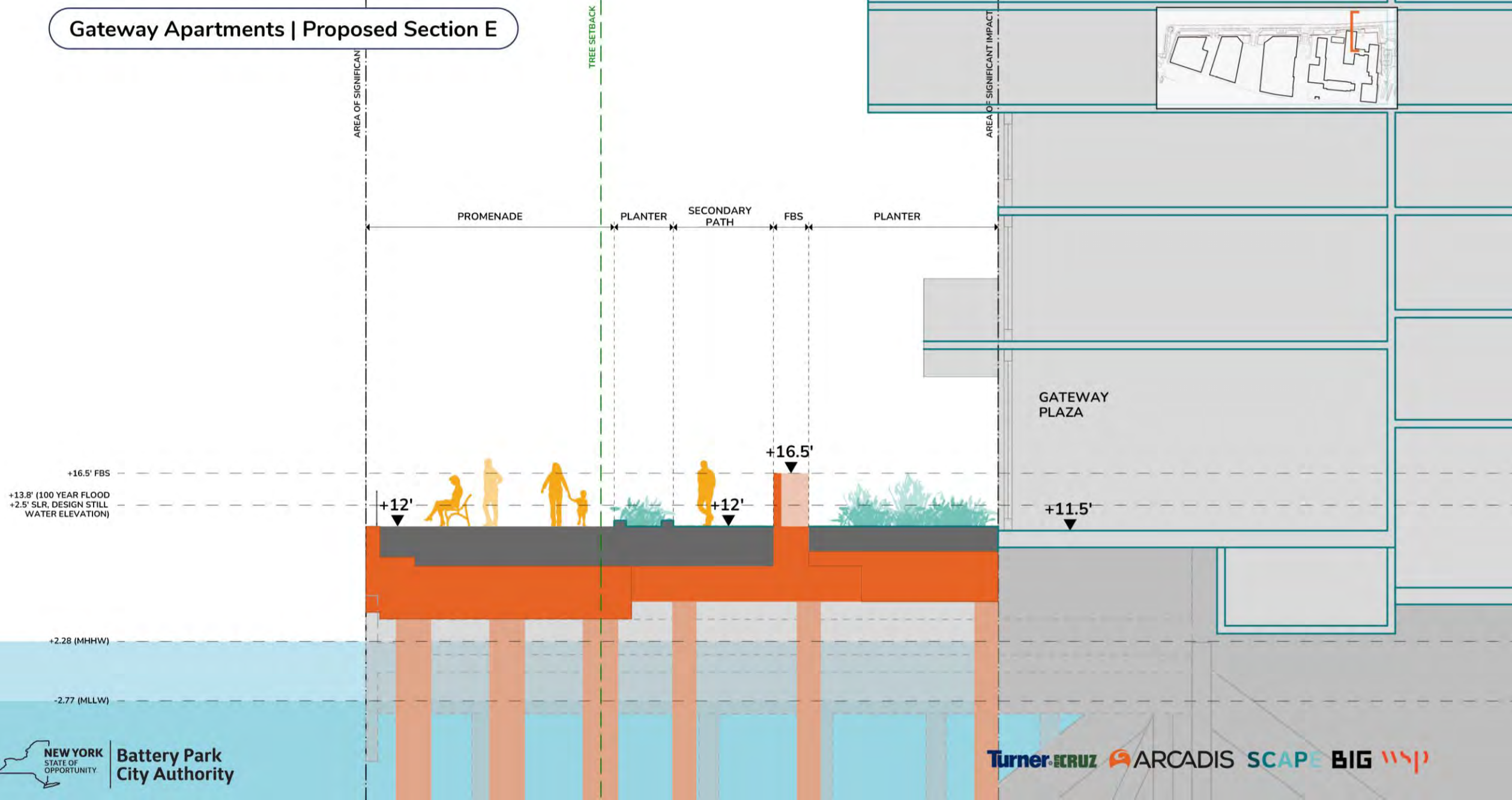
Forest Walk

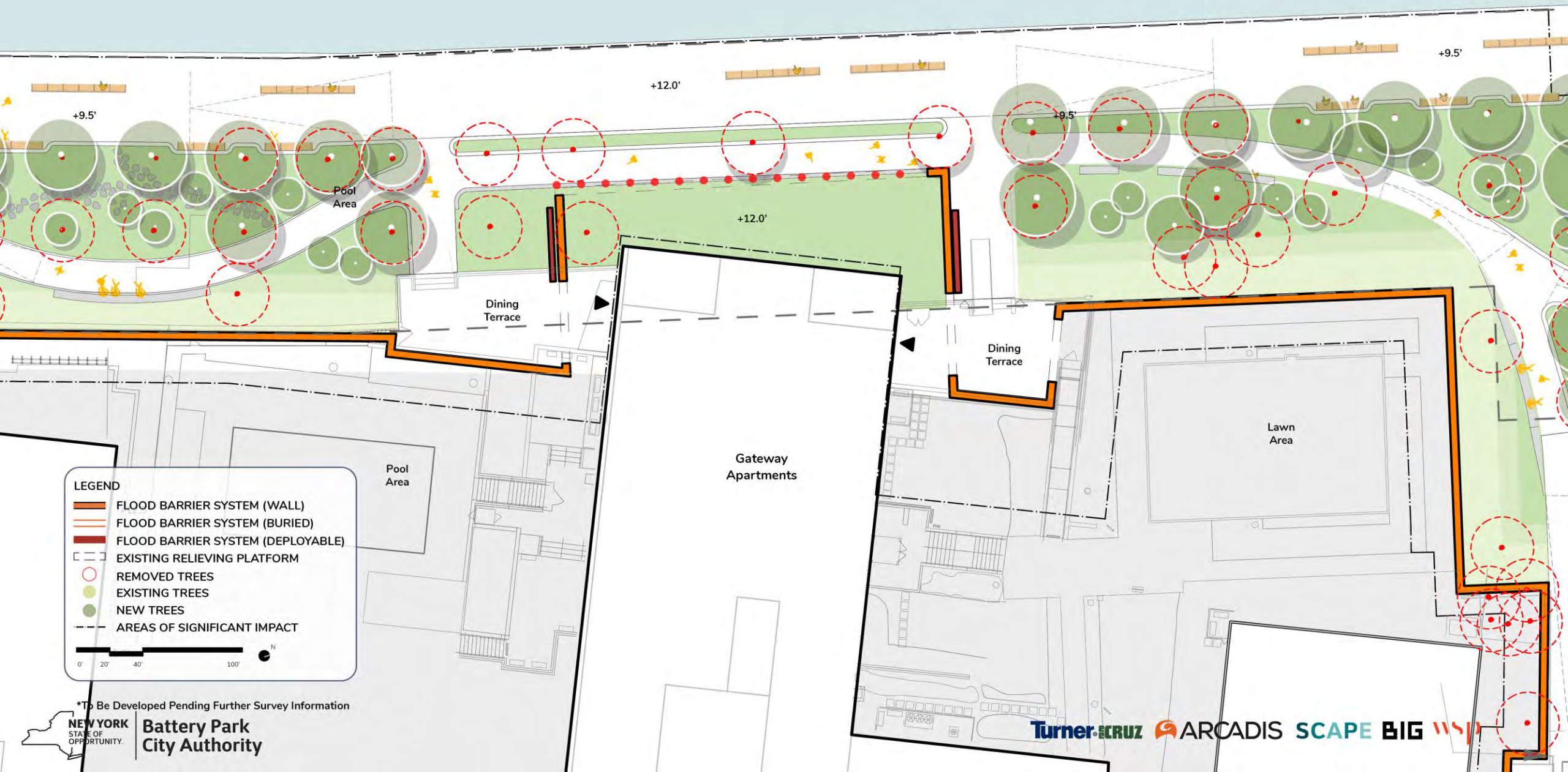
+12.0'

Gateway Apartments | Existing Section E



Gateway Apartments | Proposed Section E





LEGEND

- FLOOD BARRIER SYSTEM (WALL)
- FLOOD BARRIER SYSTEM (BURIED)
- FLOOD BARRIER SYSTEM (DEPLOYABLE)
- EXISTING RELIEVING PLATFORM
- REMOVED TREES
- EXISTING TREES
- NEW TREES
- AREAS OF SIGNIFICANT IMPACT

0' 20' 40' 100'

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*To Be Developed Pending Further Survey Information

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Turner+KRUZ ARCADIS SCAPE BIG wsp

+18'



+19.5'

+18'





Approx. 4' - 5'

Reach 5 – North Cove



Reach 5

HUDSON RIVER

FERRY
TERMINAL

BELVEDERE
PLAZA

300 VESEY
STREET

NORTH COVE
MARINA

GATEWAY
PLAZA

KOWSKY
PLAZA

NORTH END AVE.

WATERFRONT
PLAZA

250 VESEY
STREET

PUMPHOUSE
PARK

225 LIBERTY
STREET

SOUTH END AVE.



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Flood Barrier System Wall

Seating for Community Events

Preserve Plaza Flexibility

+9.5'





+14.5'

DATUM REFERENCE: NAVD88



+16.5'

+20.5'

EXISTING PRIVACY WALL AND FENCE

DFE

+14.5'

DATUM REFERENCE: NAVD88

WRAP UP & OUTSTANDING QUESTIONS