

107th STREET PIER and BOBBY WAGNER WALK

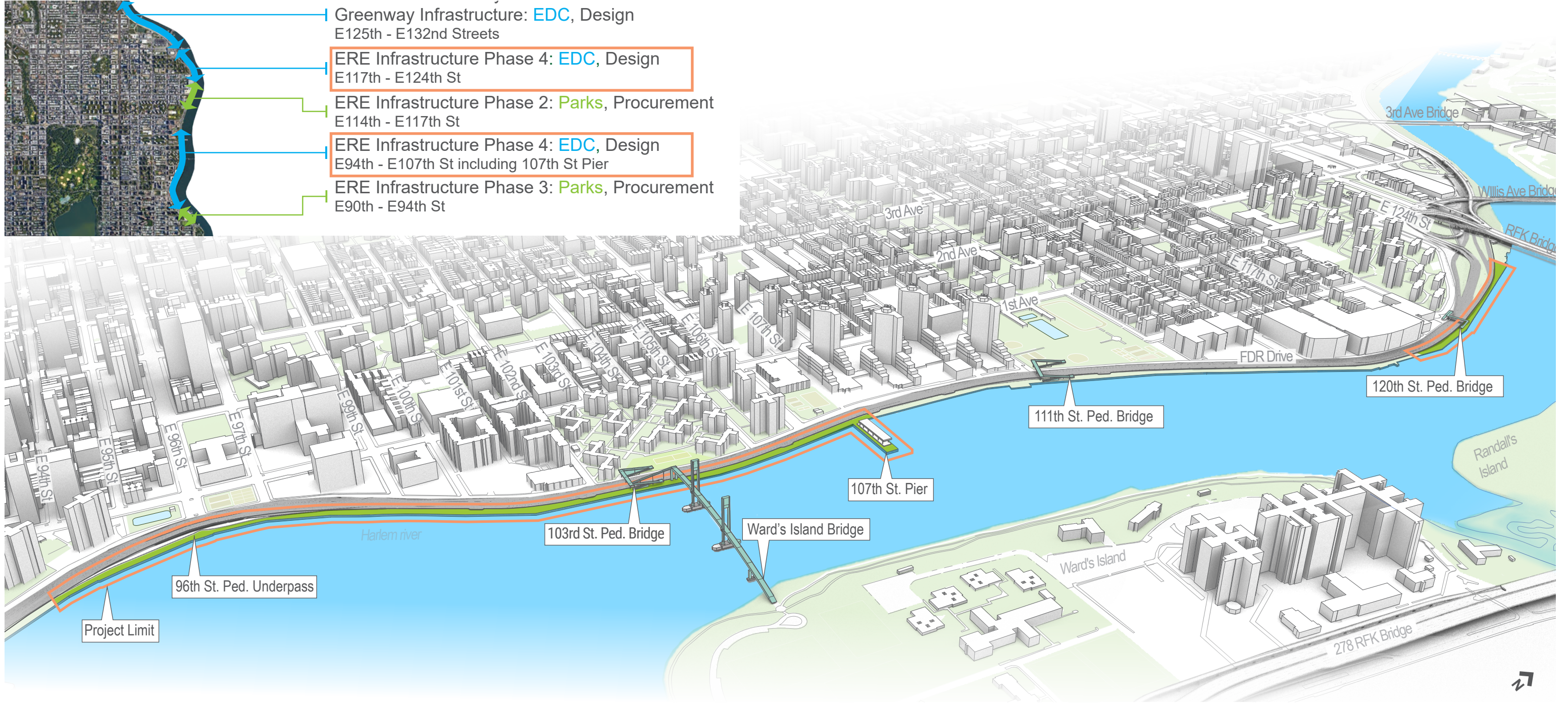
CB11 Update - Preliminary Design

APRIL 4, 2024



MARVEL phyto

Project Overview



THE PROPOSED PROJECT WILL:

- Rebuild and rehabilitate the esplanade between 94th St - 107th St
- Rebuild and rehabilitate the esplanade between 117th St - 124th St
- Reconstruct existing 107th St Pier

107th STREET PIER and BOBBY WAGNER WALK

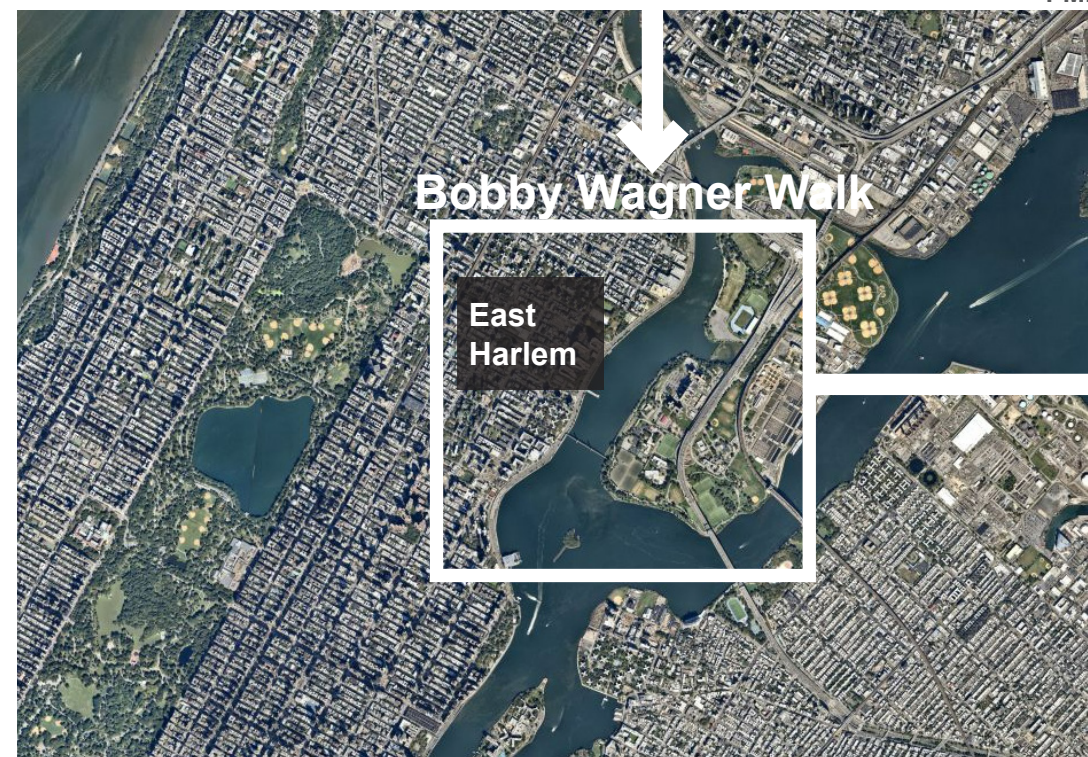


Project Location



CITY

1 MI



NEIGHBORHOOD

2000 FT



SITE

1000 FT



107th STREET PIER and BOBBY WAGNER WALK

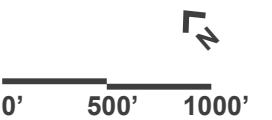


Neighborhood Parks and Amenities



LEGEND

- █ Project Limit
- █ Parks & Open Spaces



107th STREET PIER and BOBBY WAGNER WALK



Site Photos



Key map



1. 94th Street looking northwest



2. 96th Street entrance with planters, looking north

107th STREET PIER and BOBBY WAGNER WALK



Site Photos



Key map



3. Pier North side, looking East



4. Pier South side, looking East

107th STREET PIER and BOBBY WAGNER WALK



Site Photos



Key map



5. 121st Street looking northeast

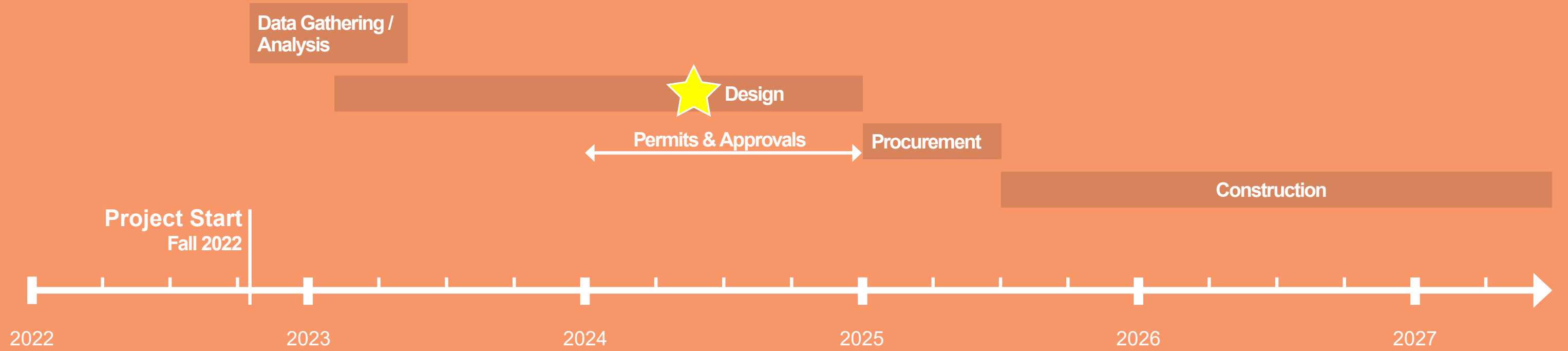


6. 124th Street looking north

107th STREET PIER and BOBBY WAGNER WALK



Project Timeline



Community Engagement Process



Online Survey

- 332 responses received

Information Meeting - Jan 25

- 55 attendees

Workshop #1 - Virtual, Feb 9

- 35 attendees

Workshop #1 - In-Person, Feb 13

- 25 attendees

Esplanade Walkthrough - Feb 11

- 34 attendees + 1 dog

Pop Up - Feb 26

- Met 66 neighbors

Community Board 11 - March 2

- Parks Committee

Community Board 11 - Jun 1

- Parks Committee

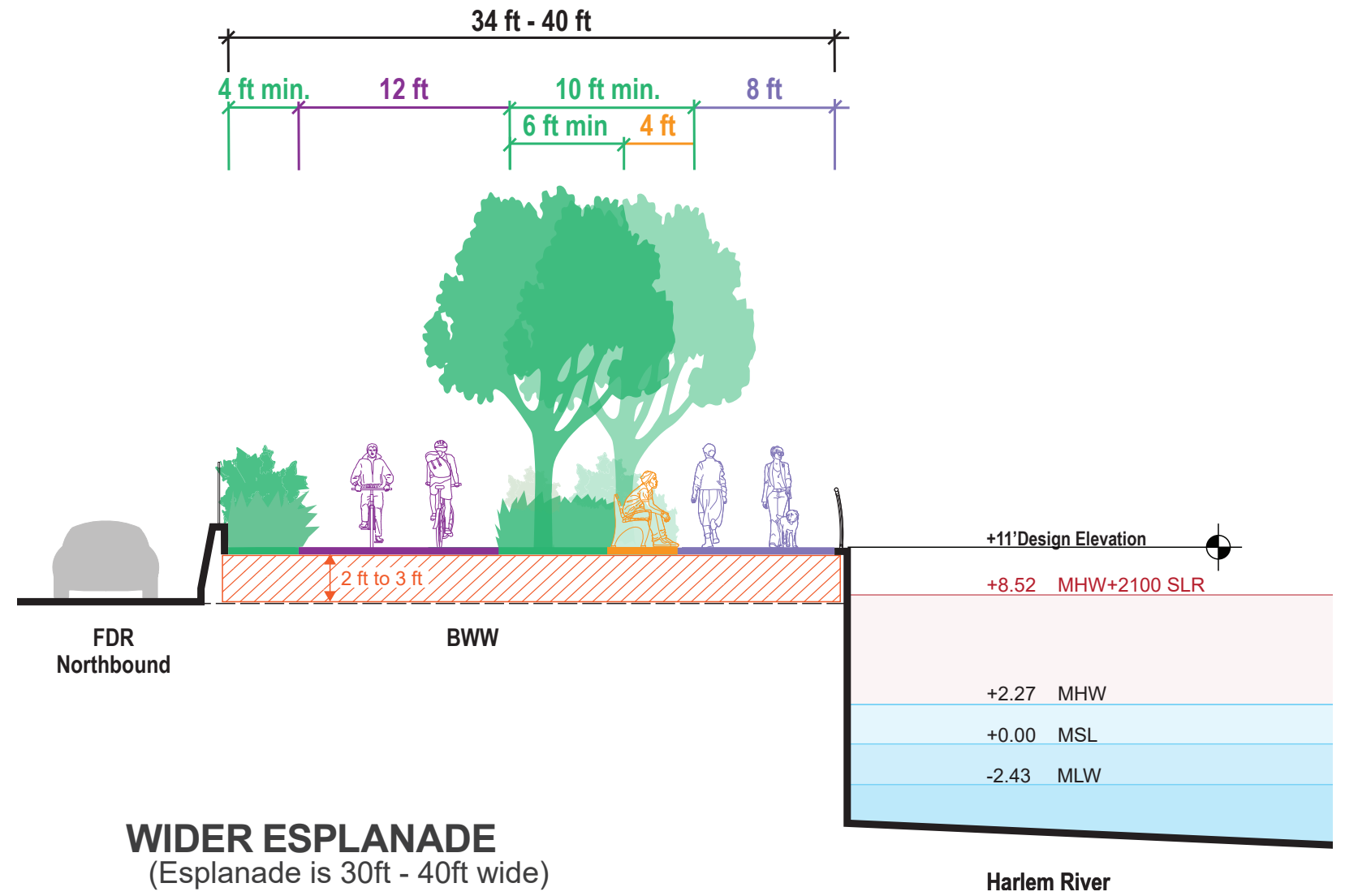
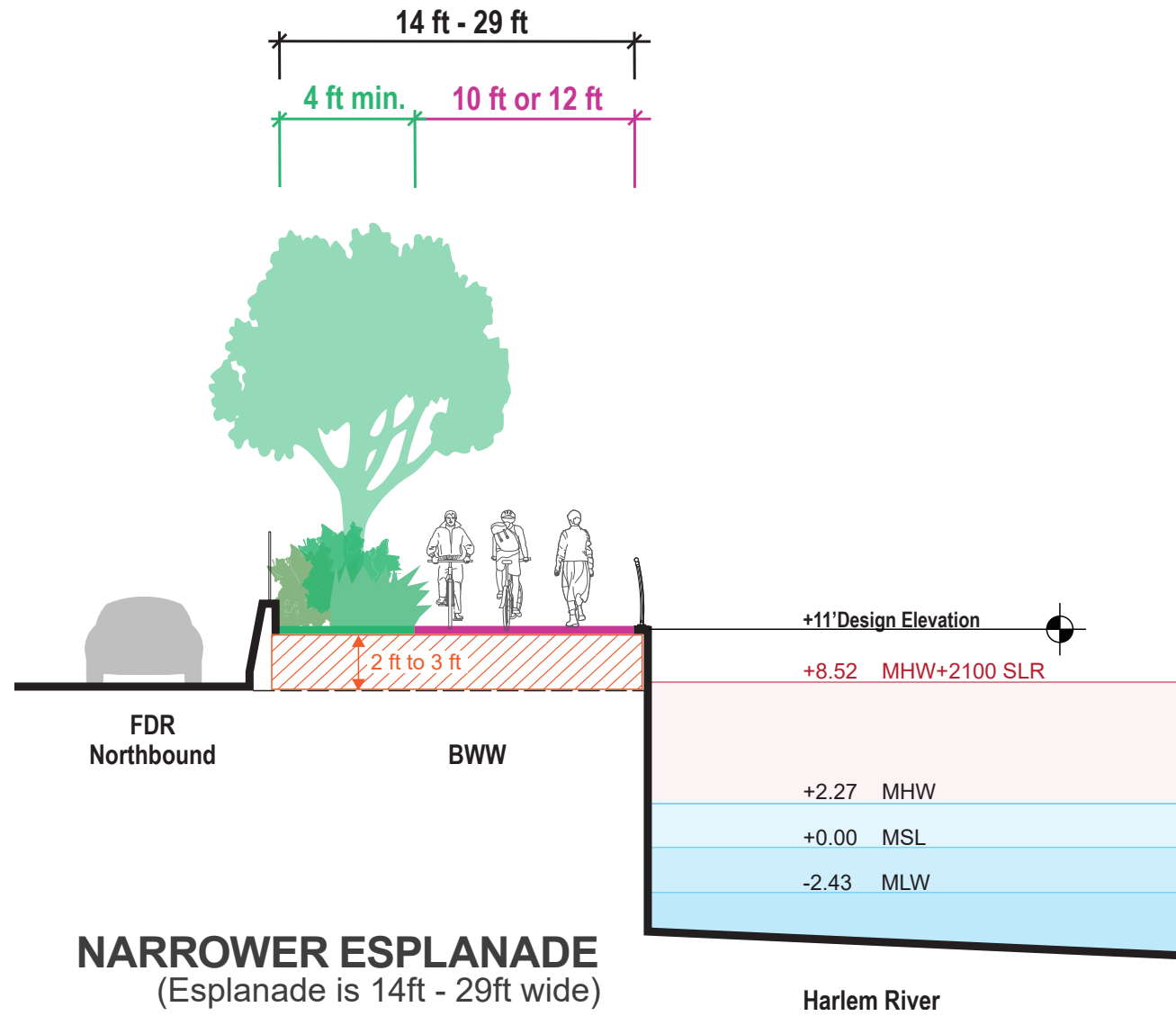
Workshop #2 - In-Person, July 11

- 30 attendees

Workshop #2 - Virtual, July 13

- 22 attendees

ESPLANADE DESIGN PARAMETERS



Design Parameters:

Planting minimum width: 4 ft

Planting with shade tree minimum width: 6 ft

Separated bike lane clearance: 12 ft

Separated walkway clearance: 8 ft

Shared use path clearance: 12 ft typ., 10 ft min.

Preliminary Plan | 94th-95th Street

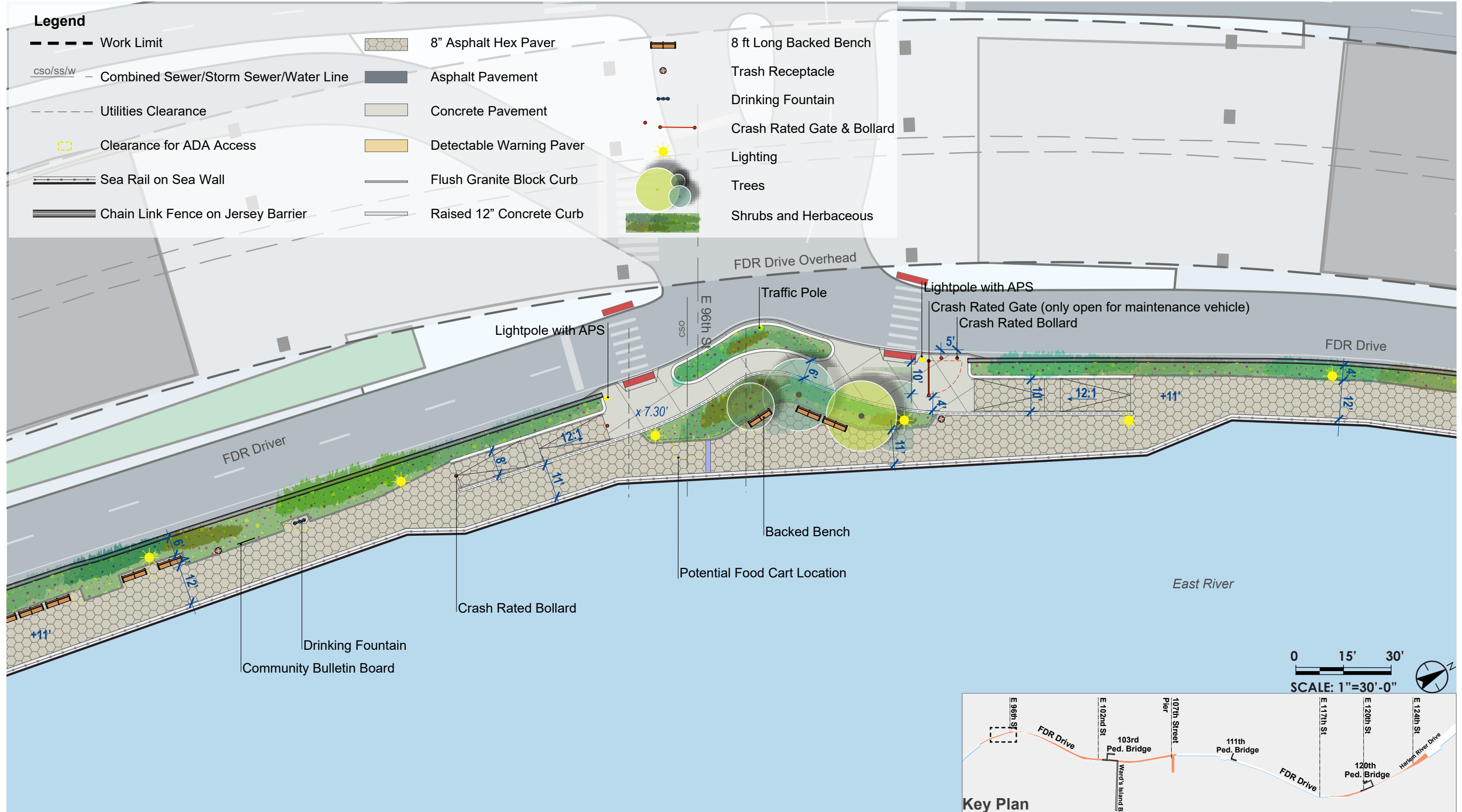


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 95th-96th Street

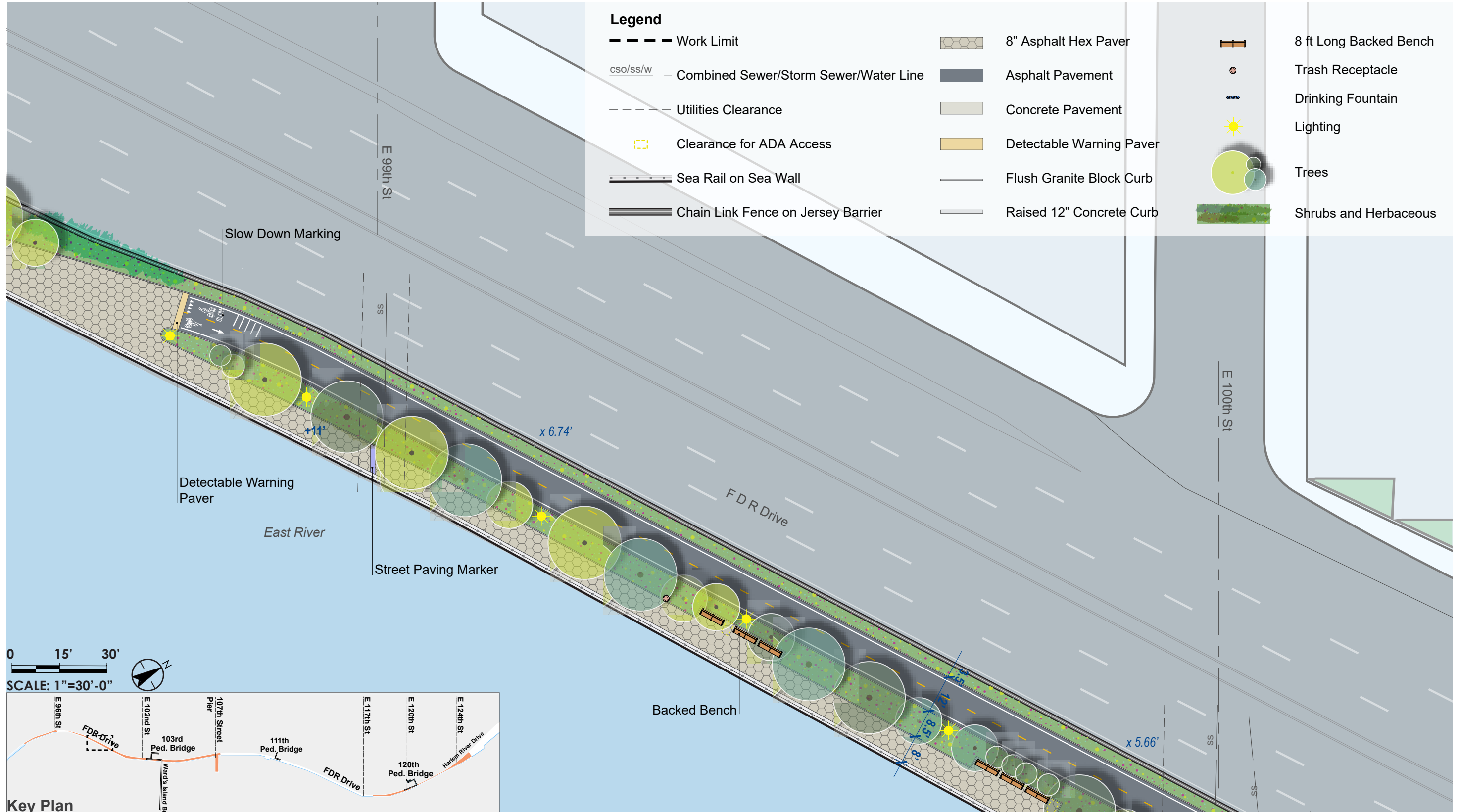


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 99th-100th Street



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 101st-102nd Street

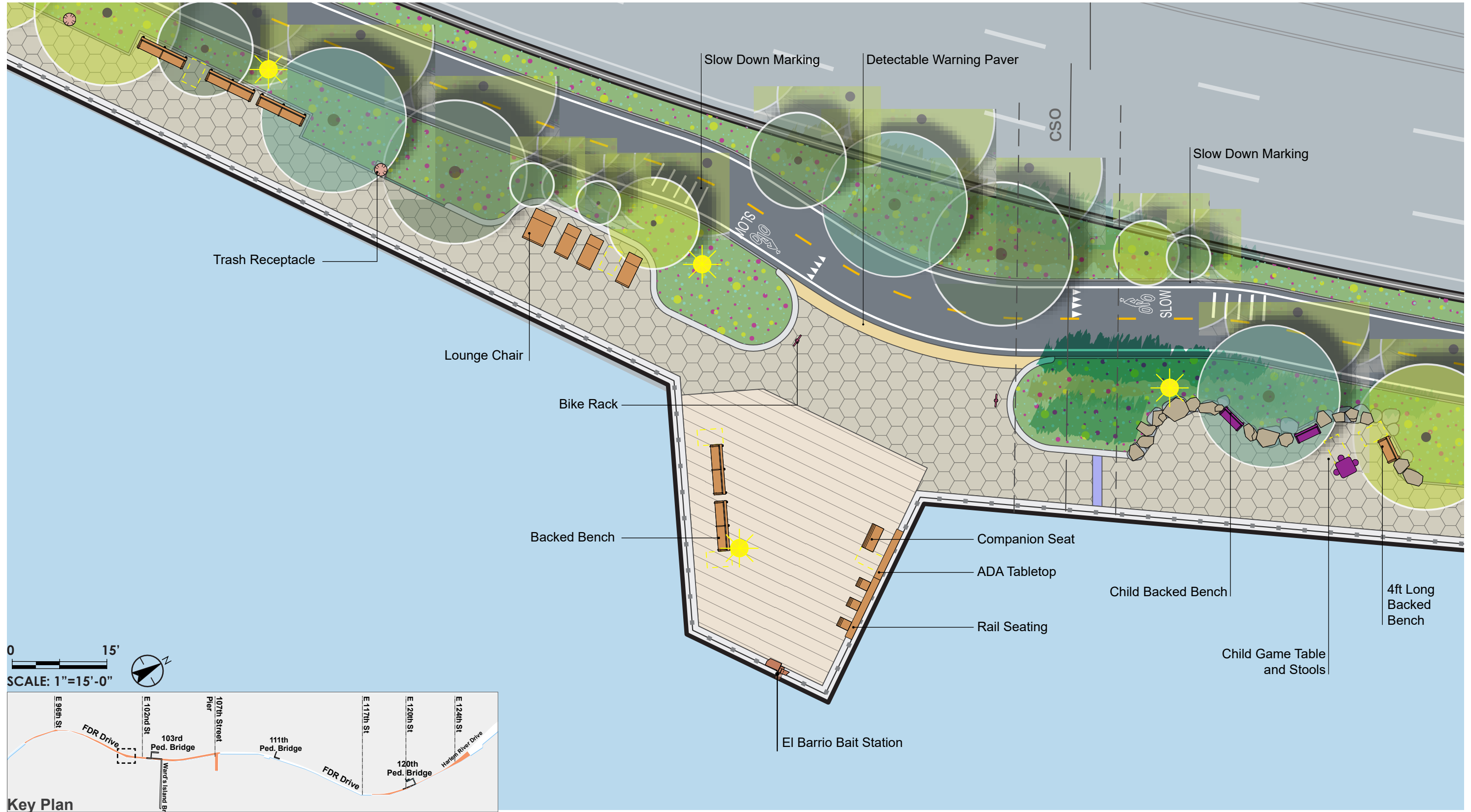


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

101st Street Overlook



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

101st Street Overlook



107th STREET PIER and BOBBY WAGNER WALK



101st Street Overlook



107th STREET PIER and BOBBY WAGNER WALK

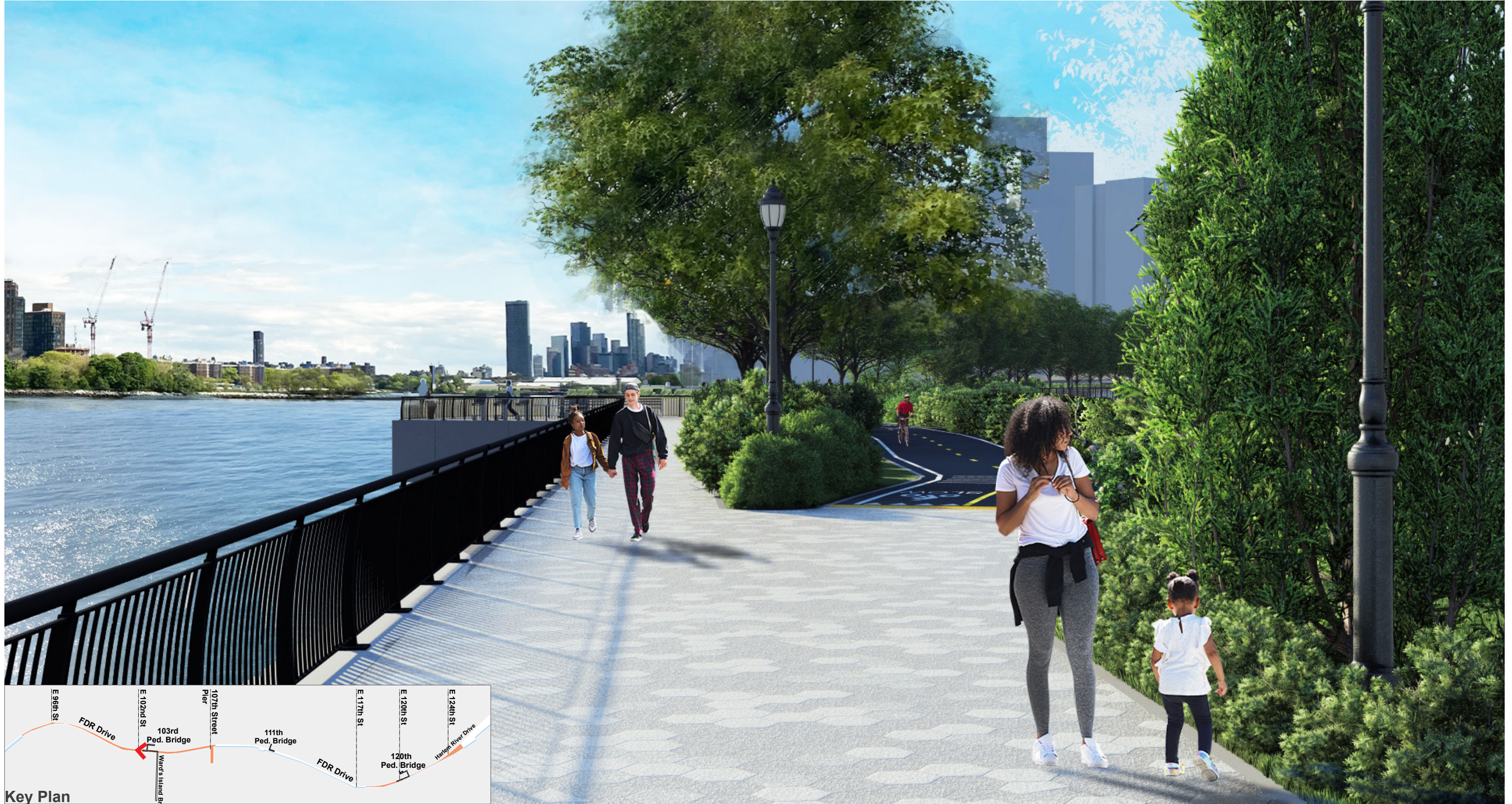
Preliminary Plan | 102nd-103rd Street



107th STREET PIER and BOBBY WAGNER WALK



Typical Ped/Bike Merge Point at 102nd Street

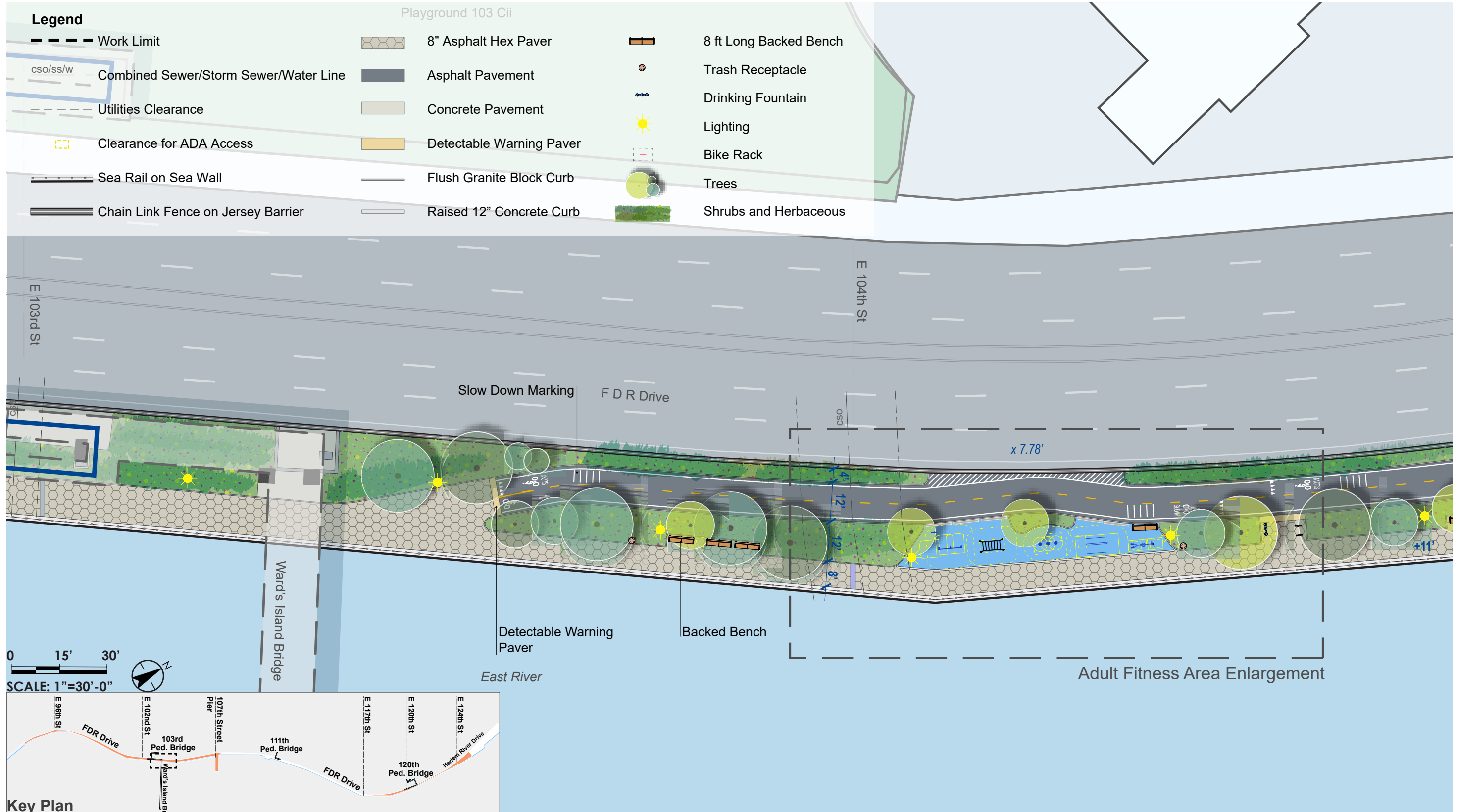


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 103rd-104th Street

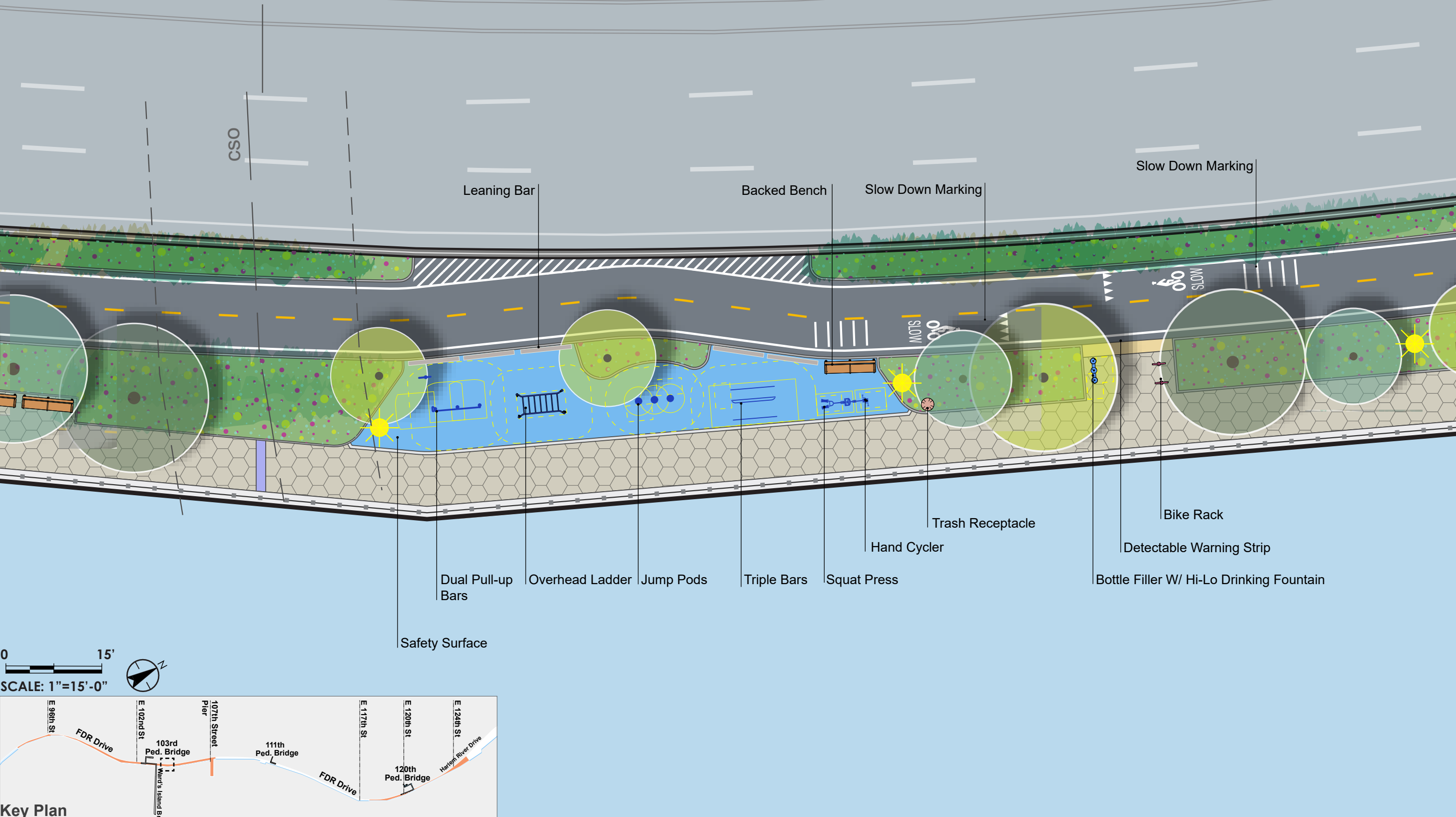


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Adult Fitness Area



107th STREET PIER and BOBBY WAGNER WALK



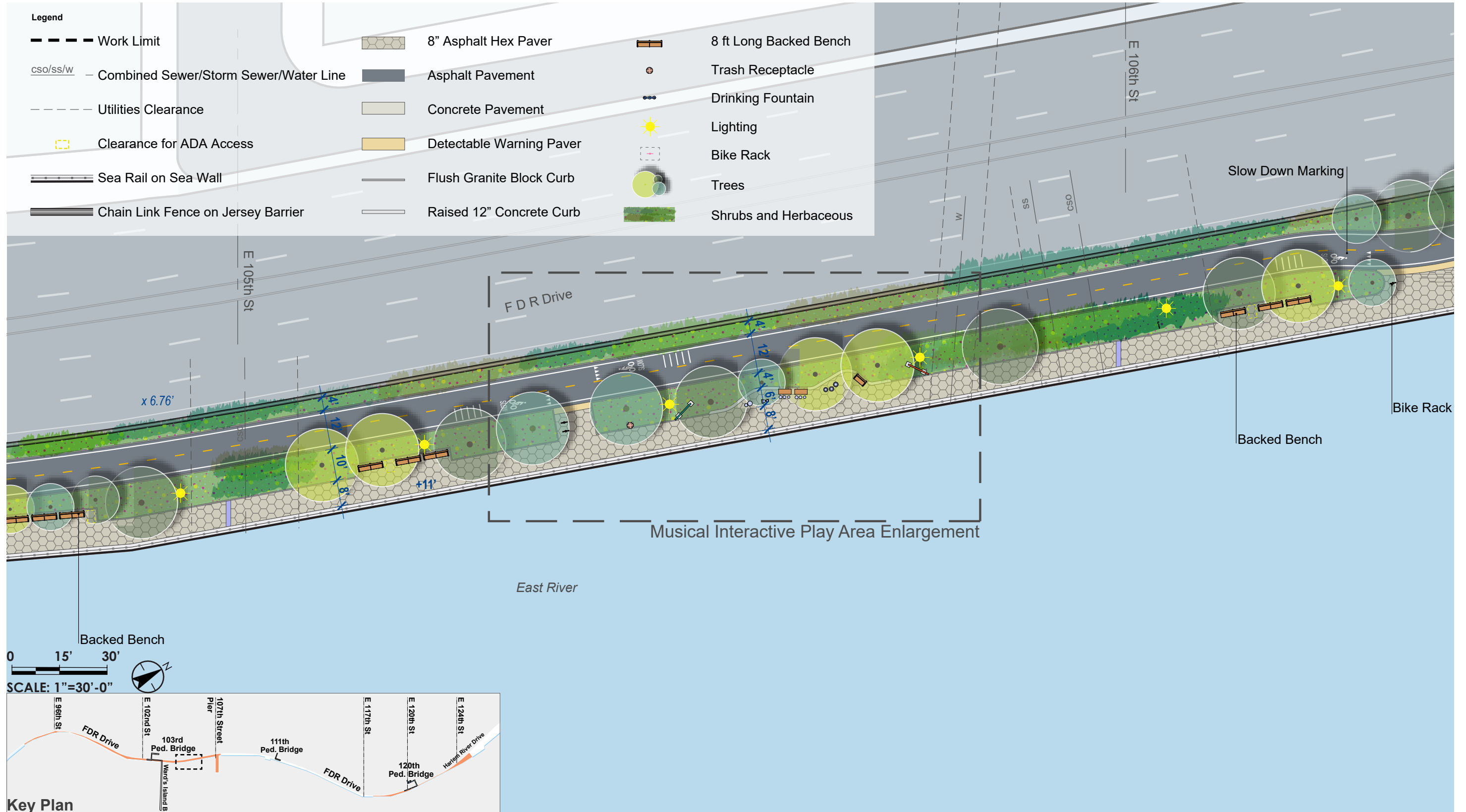
Stantec MARVEL phyto

Adult Fitness Area



107th STREET PIER and BOBBY WAGNER WALK

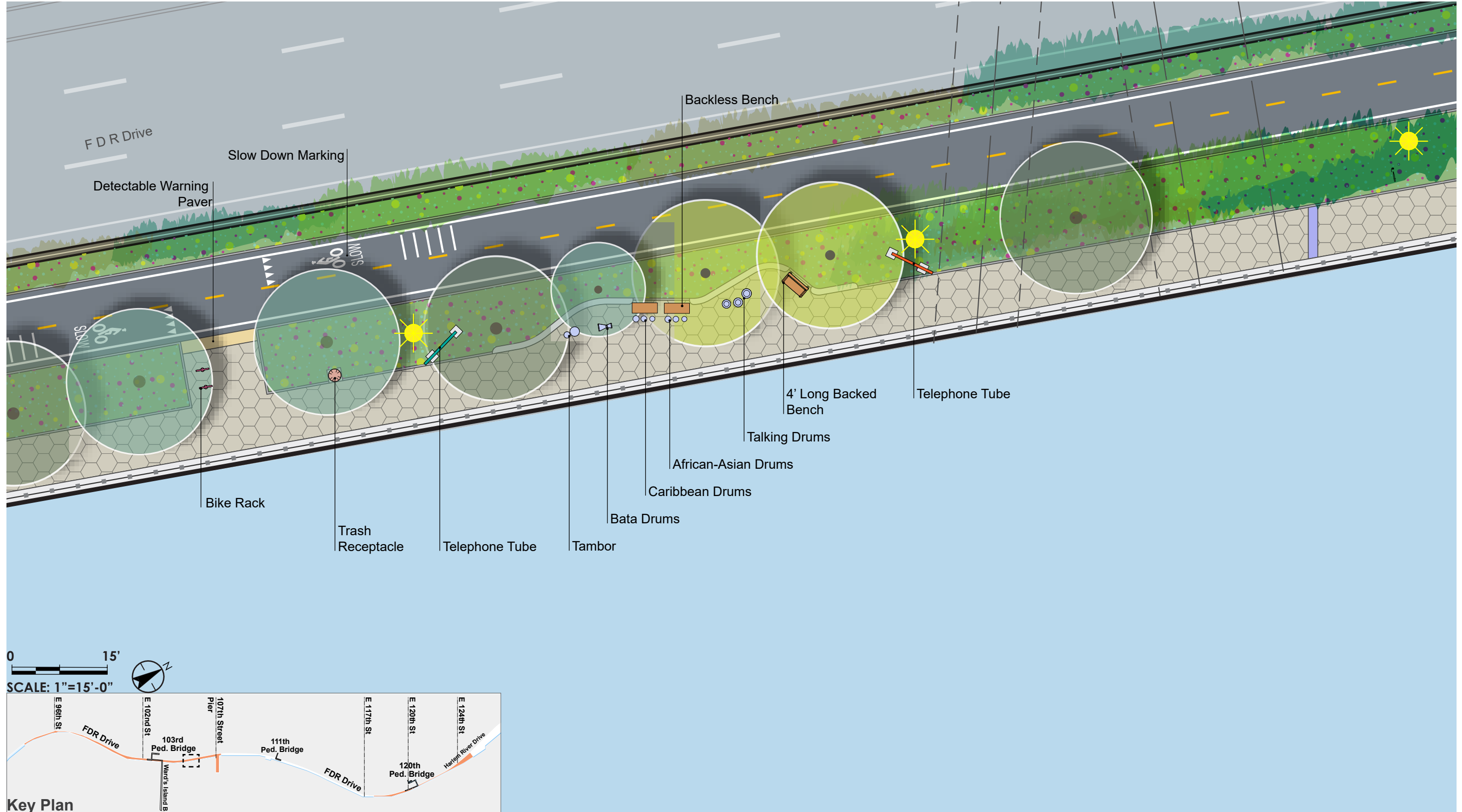
Preliminary Plan | 105th-106th Street



107th STREET PIER and BOBBY WAGNER WALK



Musical Interactive Play Area



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Musical Interactive Play Area



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Typical Separated Bike Lane and Walkway at 106th Street



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 107th Street

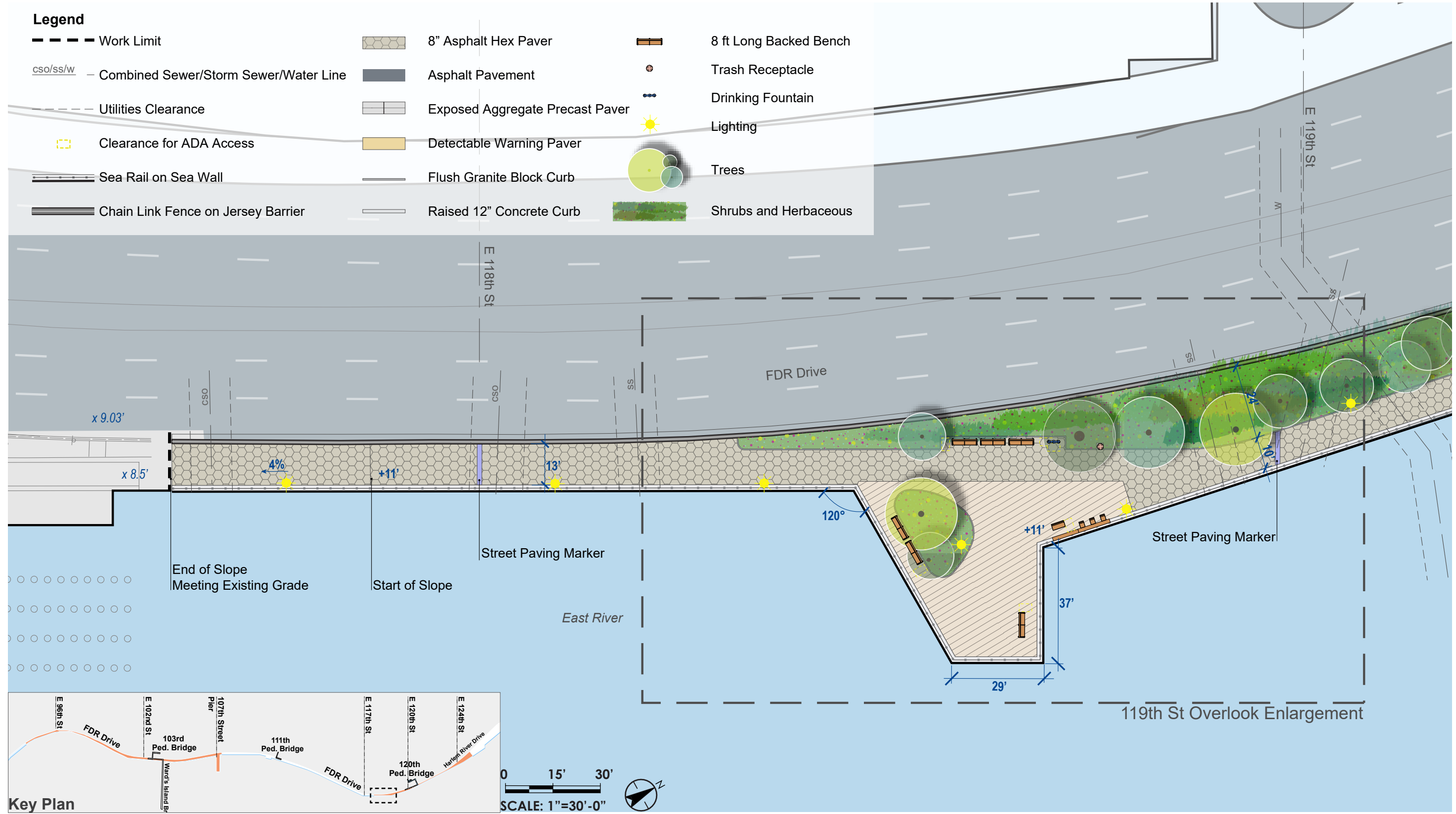


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 117th-119th Street



107th STREET PIER and BOBBY WAGNER WALK

119th Street Overlook



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

119th Street Overlook



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

119th Street Overlook

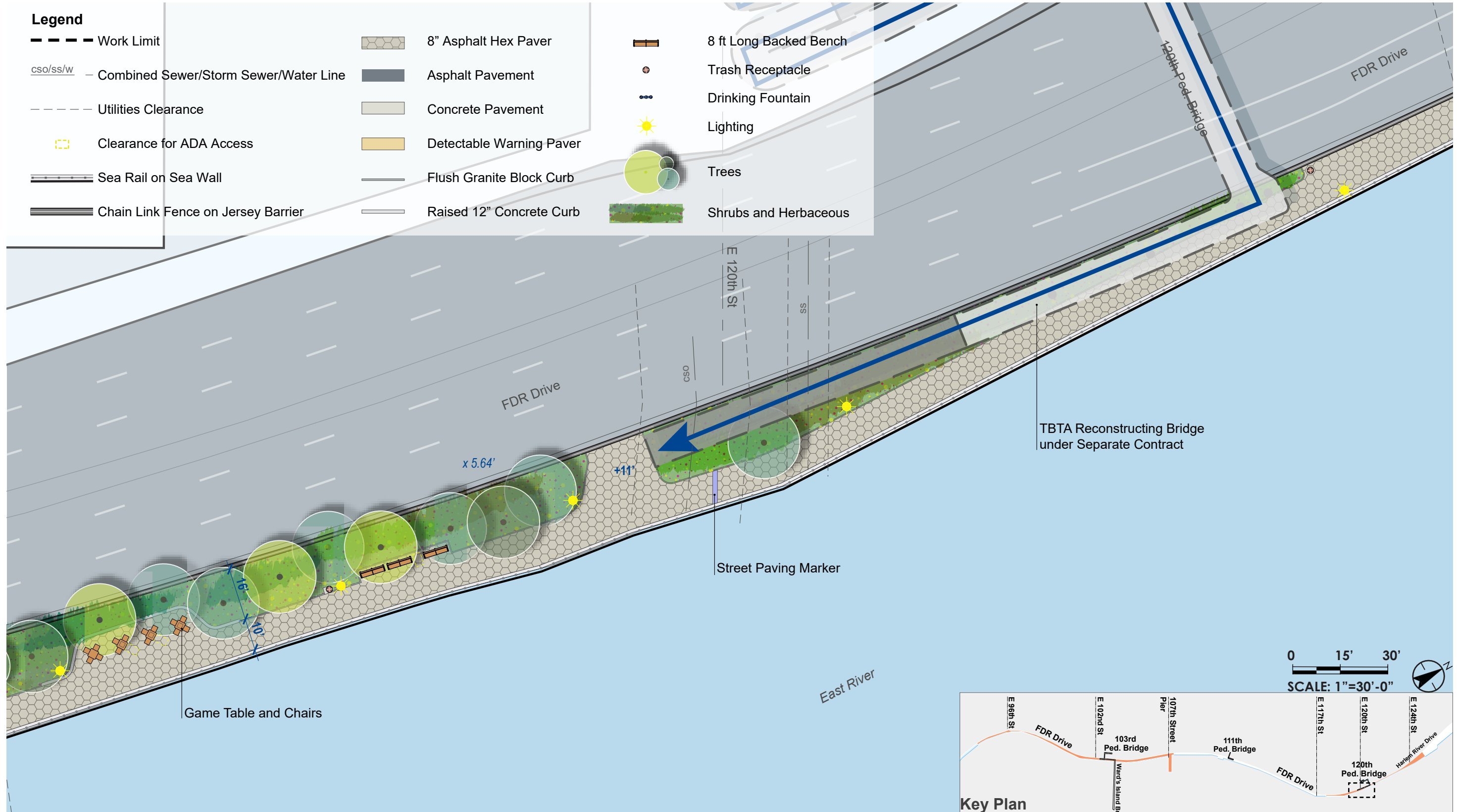


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 120th-121st Street



Typical Shared Use Path at 120th Street



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 121st-122nd Street

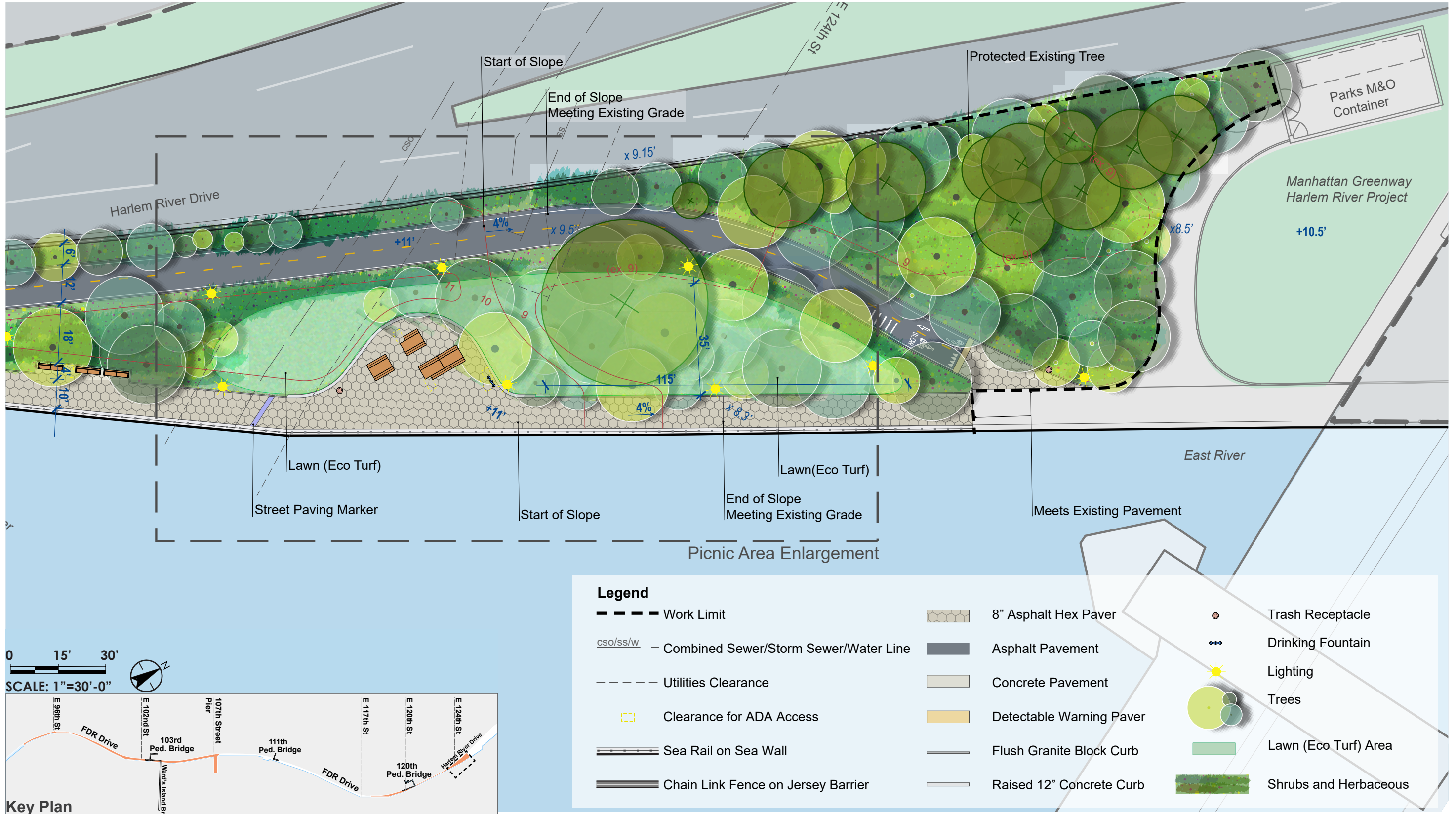


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Preliminary Plan | 124th-125th Street



107th STREET PIER and BOBBY WAGNER WALK



Lawn and Picnic Area

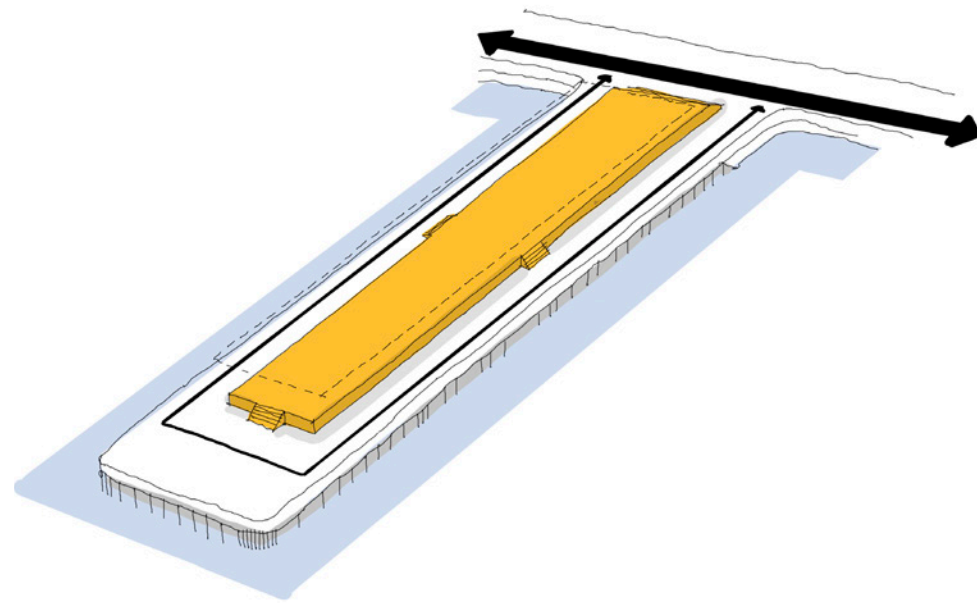


107th STREET PIER and BOBBY WAGNER WALK



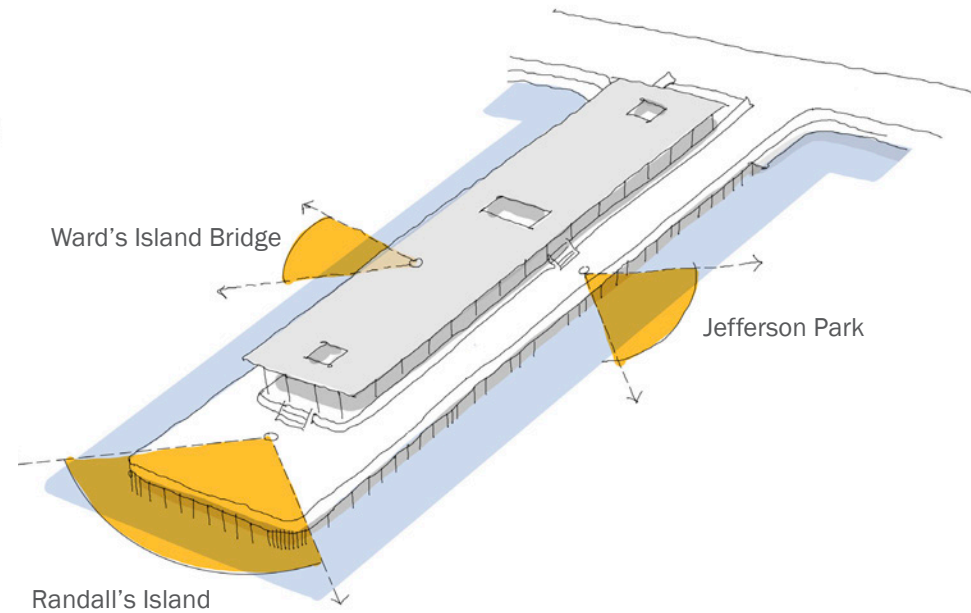
Stantec MARVEL phyto

Existing 107th Street Pier | Site Observations



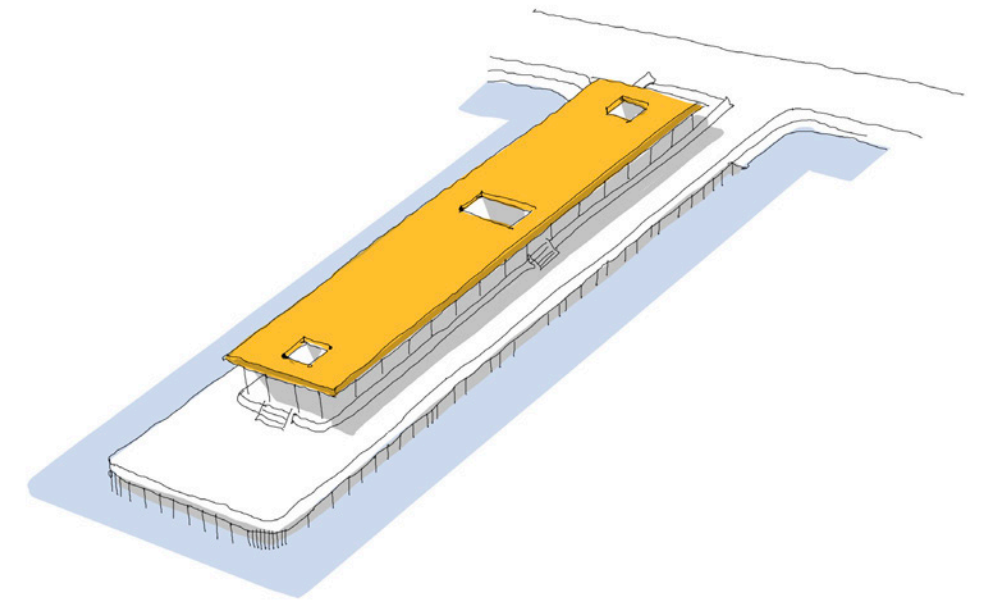
CIRCULATION

The existing pier is separated from the flow of circulation along the esplanade, and the raised central platform is only accessible by stairs.



VIEWS

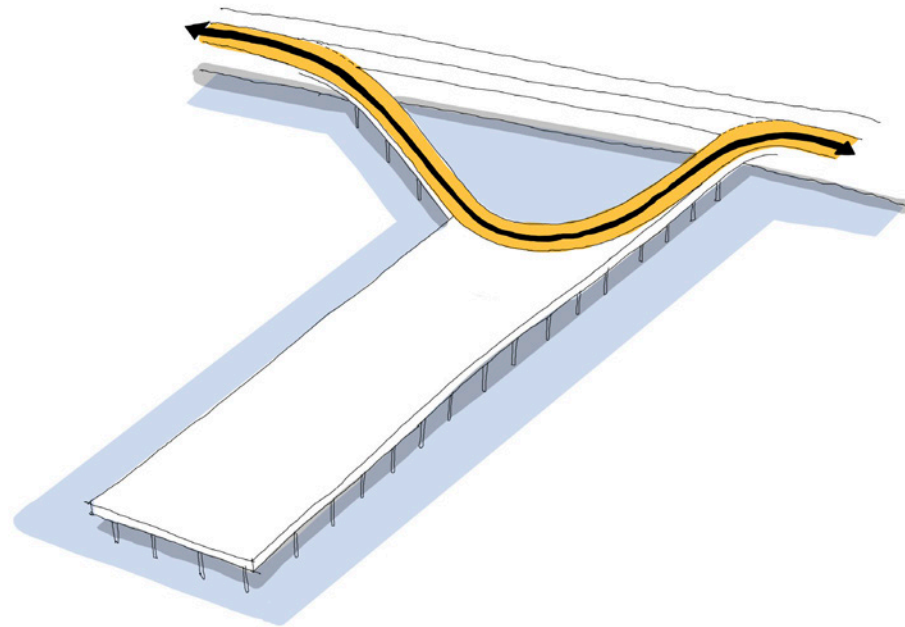
The end of the pier offers unobstructed views towards the river. Other elements are oriented towards views of the city.



SHADE

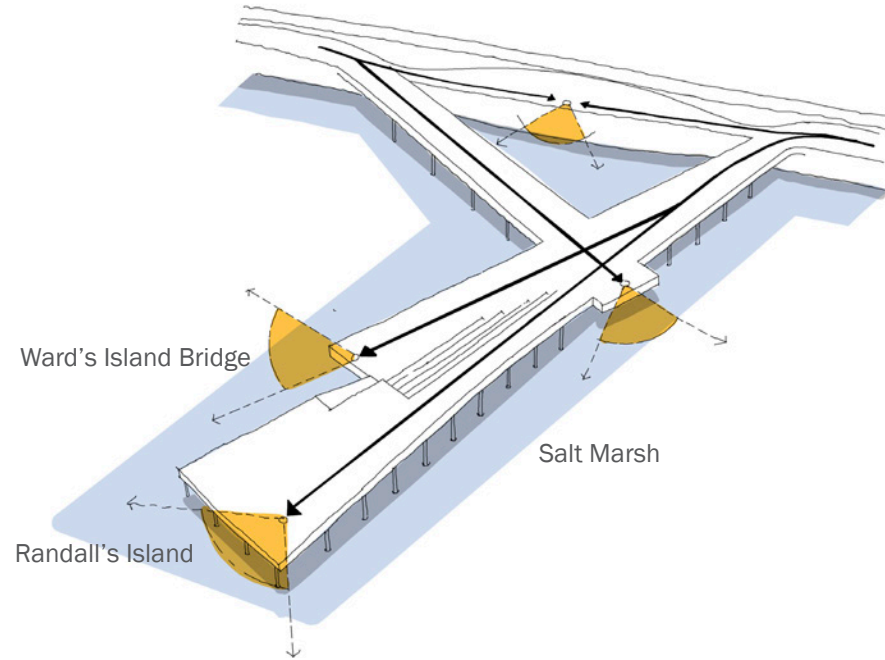
The low canopy creates a dark zone, with a long, narrow shape that is not inviting as a gathering area, and casts a shadow that brings an adverse impact on marine habitats in the East River.

Proposed 107th Street Pier | Form Development



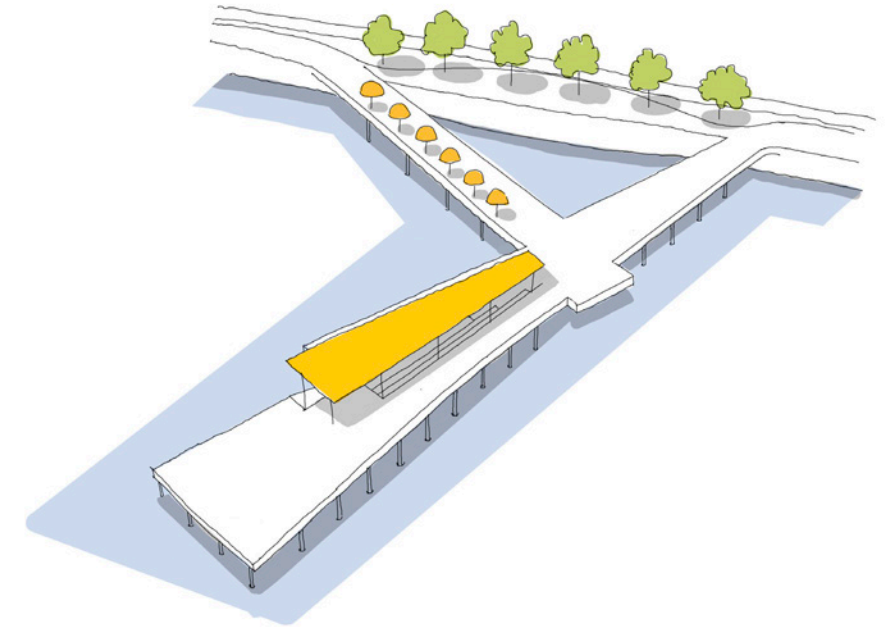
CIRCULATION

The pier is connected to the esplanade at two points, with an angled walk to draw users out over the water.



VIEWS

A primary gathering space is located at the center of the pier, with secondary spaces and overlooks oriented to key views



SHADE

The shade structures will shelter the central gathering space of the pier, supporting various uses. By carefully placing it, the structure is able to provide programming opportunities underneath it and mitigate the impact on the marine habitats by reducing shade casted on water.

107th Street Pier | Aerial



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

107th Street Pier | Site Plan



LEGEND

- Proposed Trees and Shrubs
- Canopy Outline
- 1964 World's Fair Bench
- Rail Seating
- Picnic Tables w/ Shade Umbrellas
- Loungers
- Seating Steps
- Glider Swings
- Light Pole
- Bike Racks
- Drinking Fountain w/ Bottle Filler
- Trash Bin
- Bollard w/ Electrical outlets
- Area for Potential Ecological Enhancements (Being Studied)

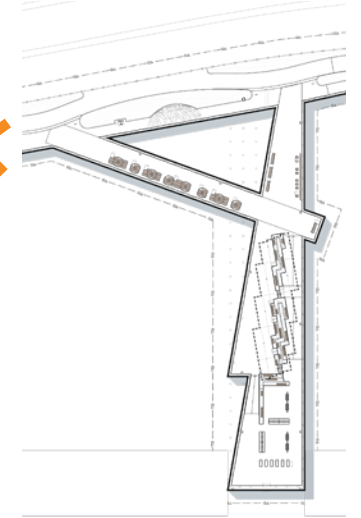


Reef Balls



Oyster Research Station (Installed by Others)

107th Street Pier | View From Esplanade

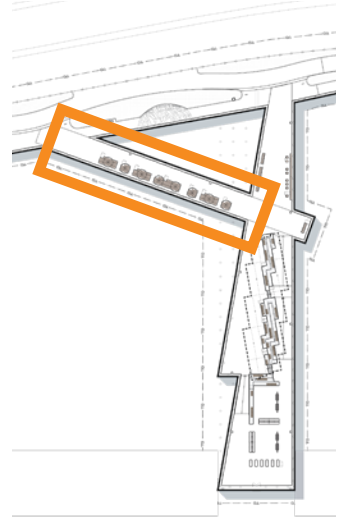
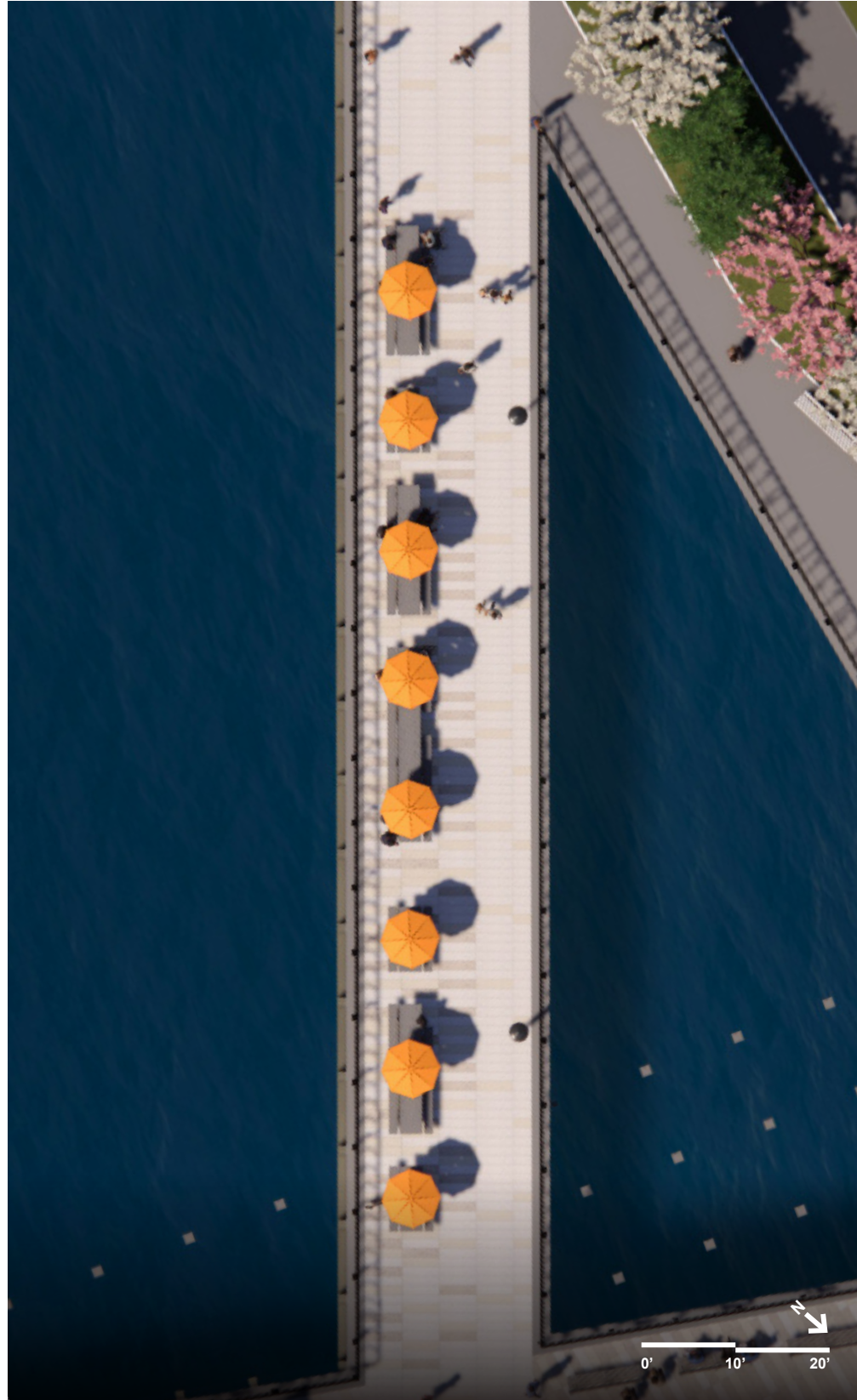


107th STREET PIER and BOBBY WAGNER WALK

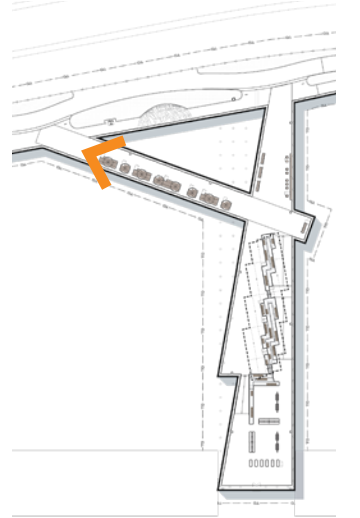


Stantec MARVEL phyto

107th St Pier | Picnic Bridge



107th Street Pier | View From Picnic Bridge

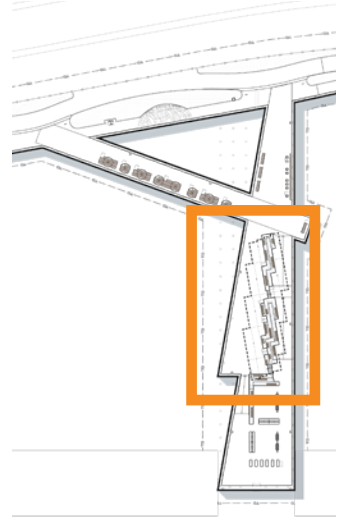
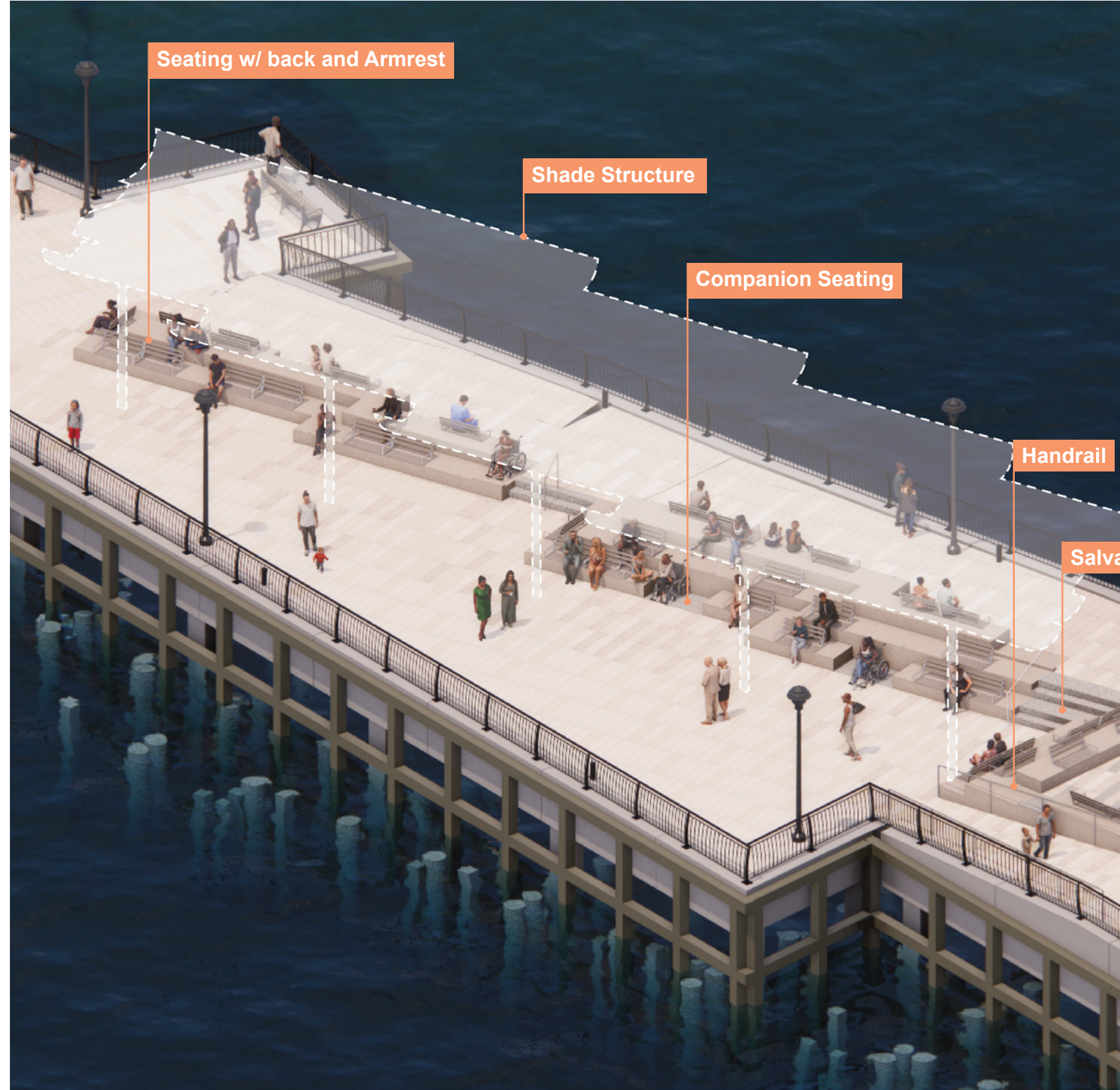
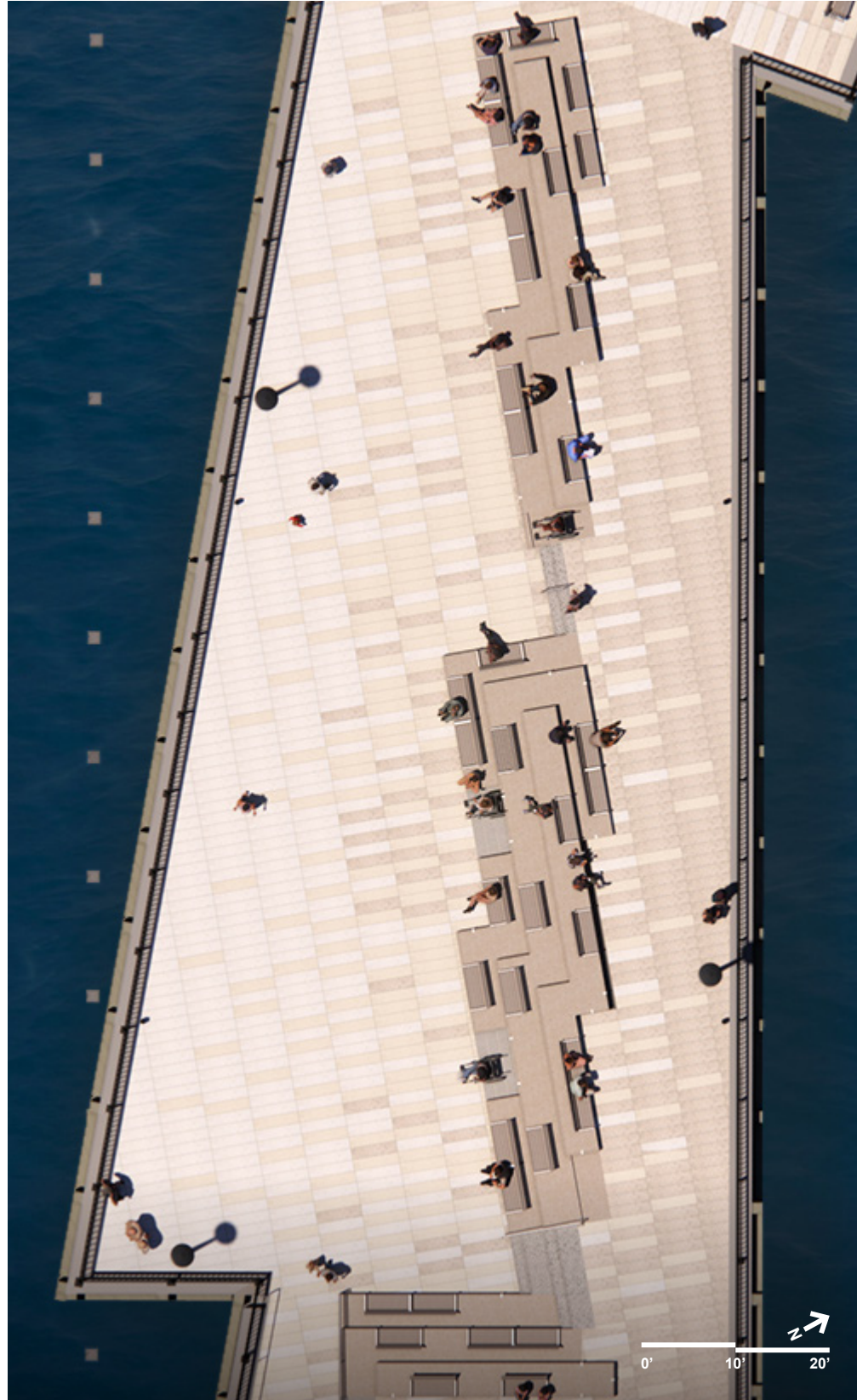


107th STREET PIER and BOBBY WAGNER WALK

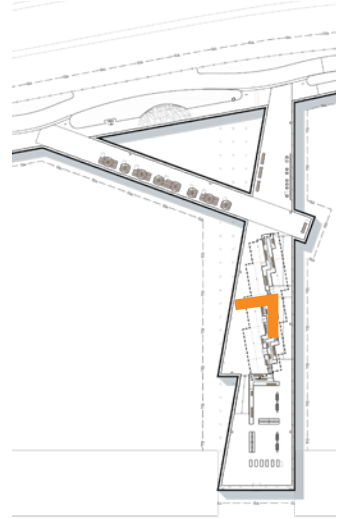


Stantec MARVEL phyto

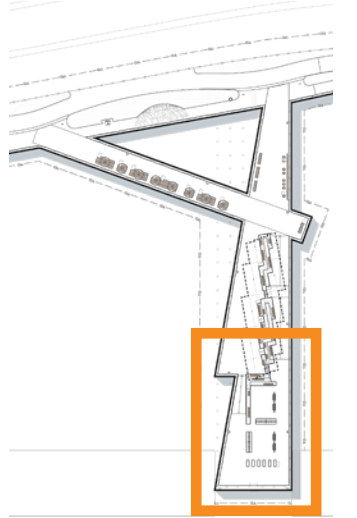
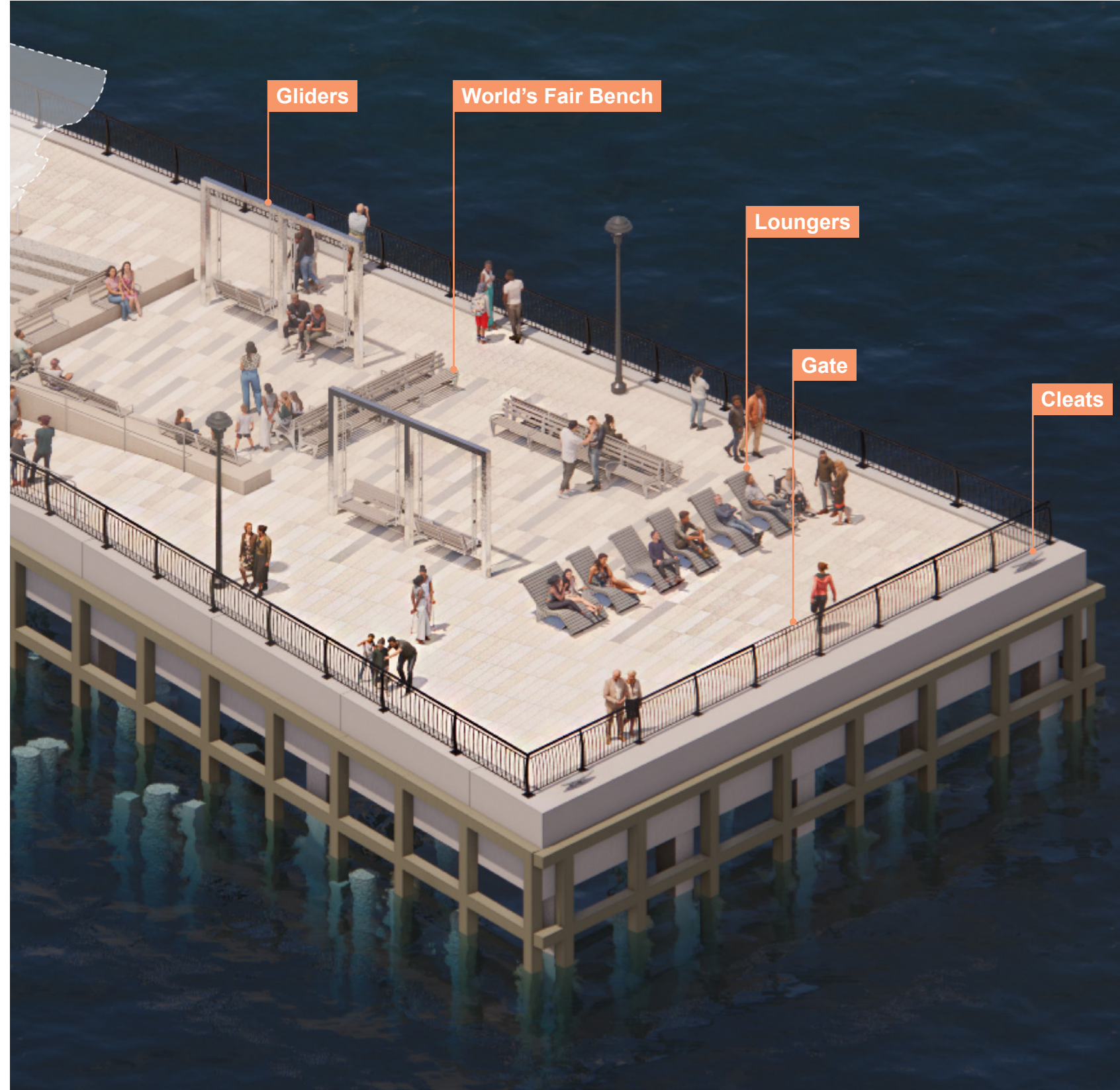
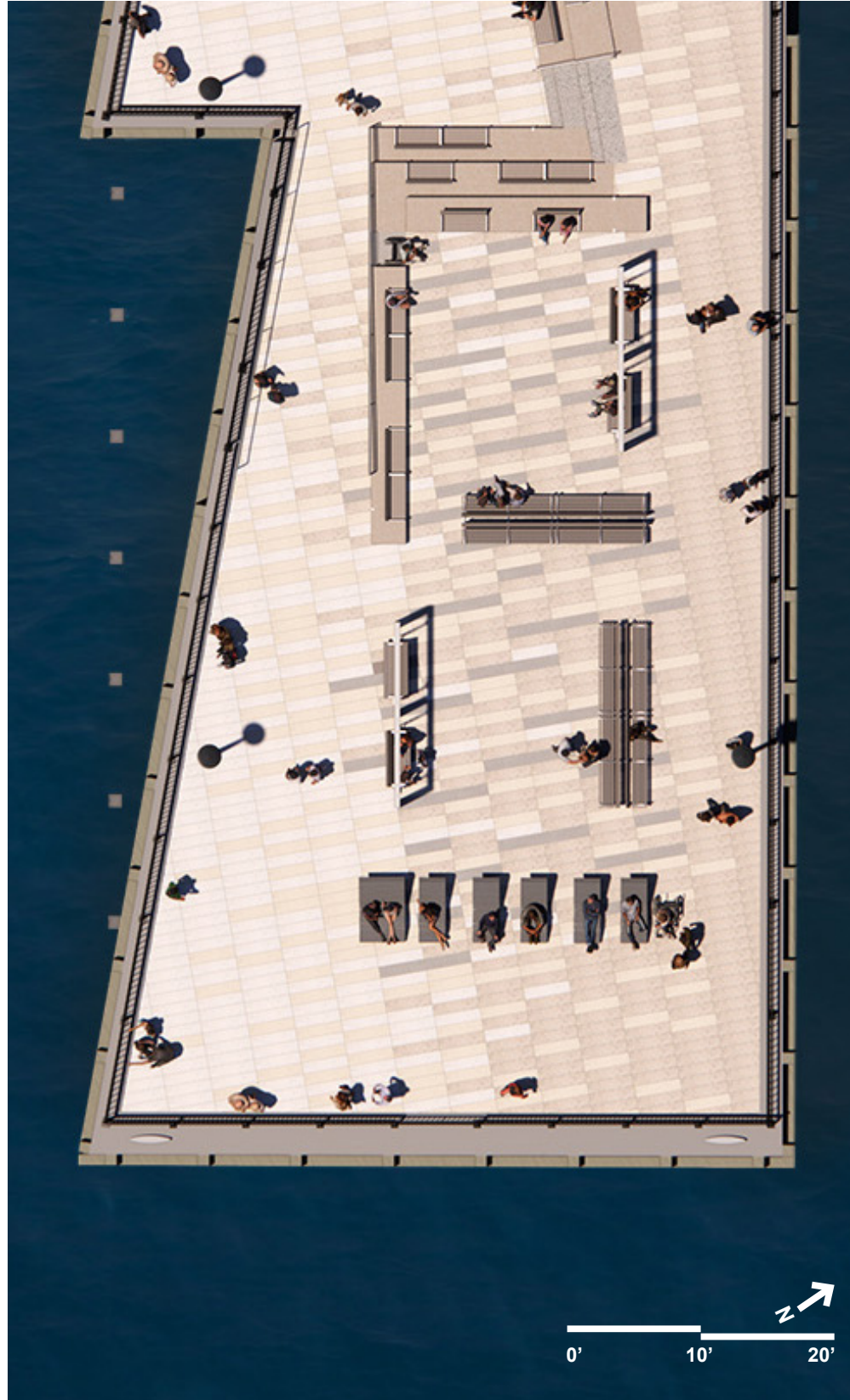
107th St Pier | Pier Steps



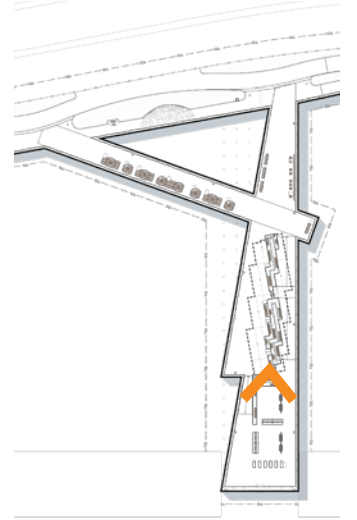
107th Street Pier | View at Pier Steps



107th St Pier | Pier Overlook



107th St Pier | Pier Overlook | River Room

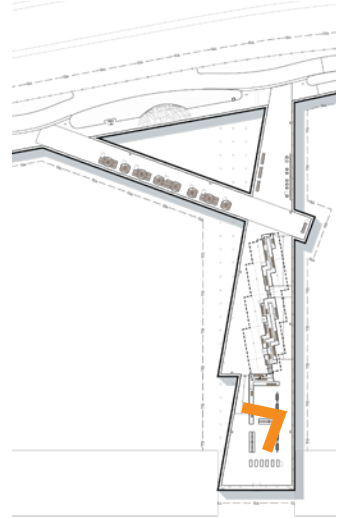


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

107th Street Pier | View at Pier Overlook



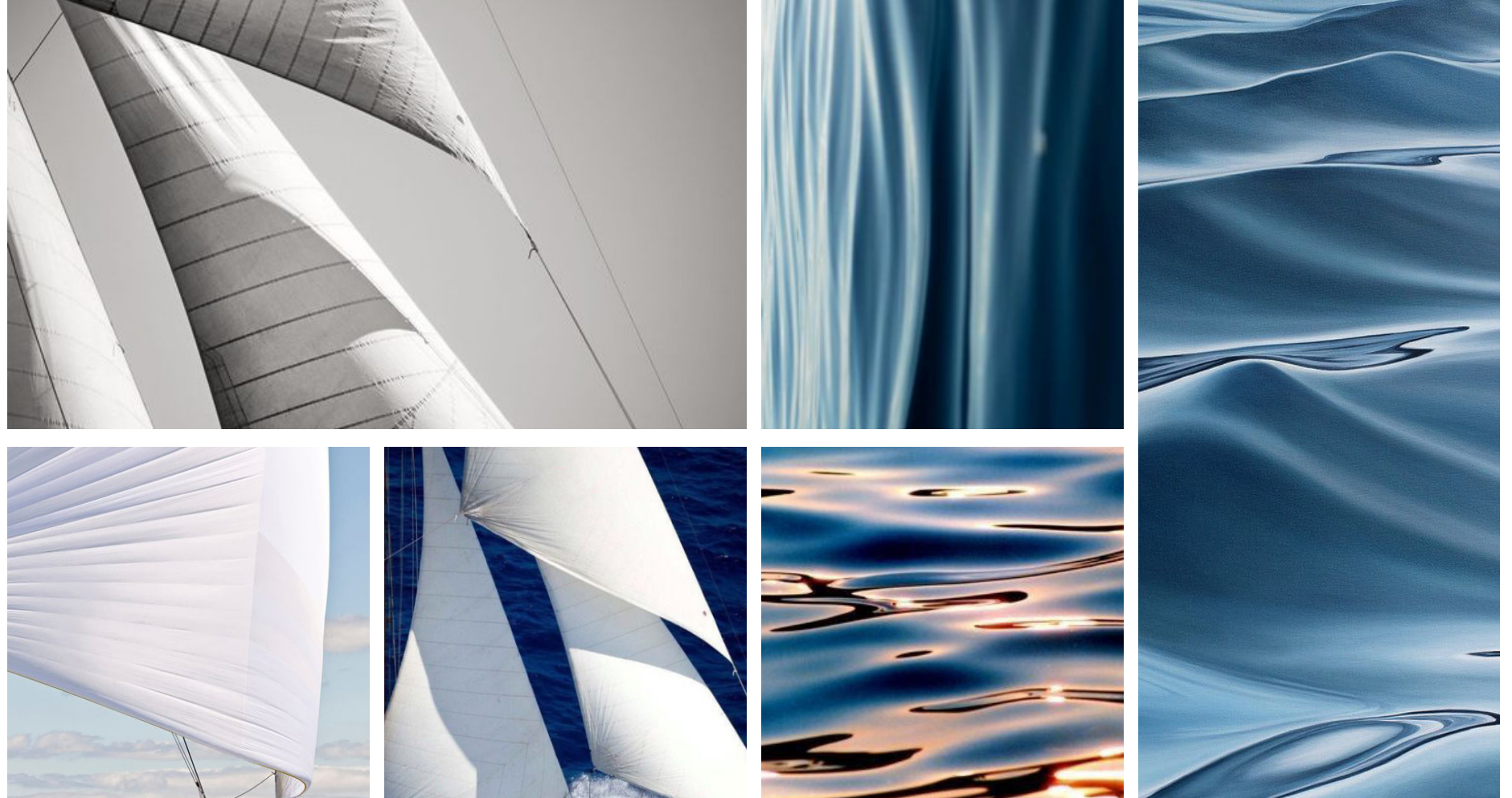
107th STREET PIER and BOBBY WAGNER WALK



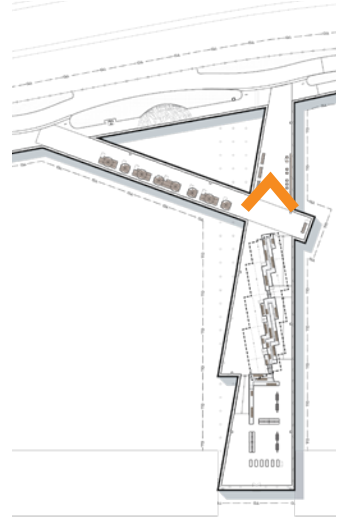
Stantec MARVEL phyto

107th St Pier | Shade Structure Design Inspirations

- Inspired by natural forms of wind & water.
- Inspired by the historic shade pavilion of the Pier.
- Drawing on the forms of the current Pier.
- Provide sufficient shade.
- In the process of coordination w/ Structural Engineer.



107th St Pier | Shade Structure | View from North Entry Bridge

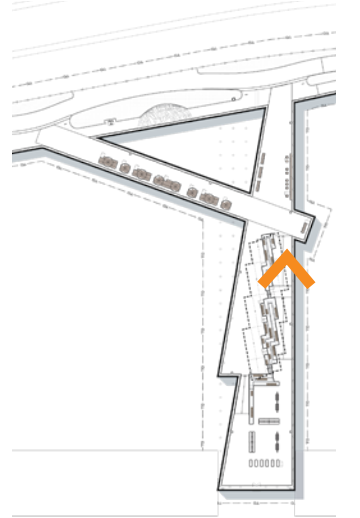


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

107th St Pier | Shade Structure | View from North Walkway



107th Street Pier | Aerial



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

NEXT STEPS:

- Public Design Commission - Preliminary Review
 - Submission - March 22, 2024
 - Meeting - April 15, 2024
- Next Design Update to CB11 - Fall 2024

AND FOR MORE INFO:

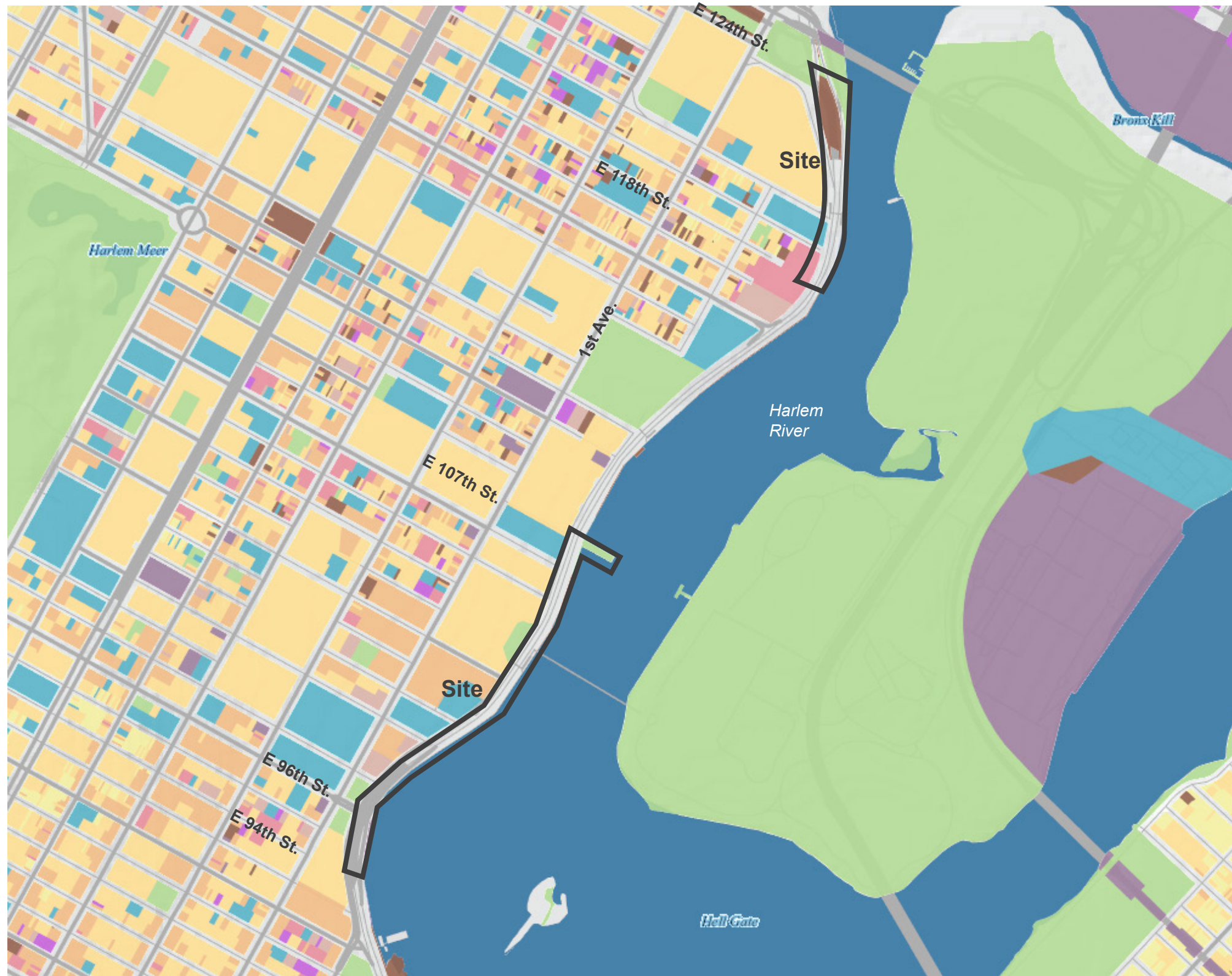
- <https://edc.nyc/project/107th-street-pier-bobby-wagner-walk-reconstruction>
- Contact: Pier107BobbyWagnerWalk@stantec.com



THANK YOU!

APPENDIX

Surrounding Land Use



LEGEND

- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential and Commercial
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land
- Other
- Project Limit

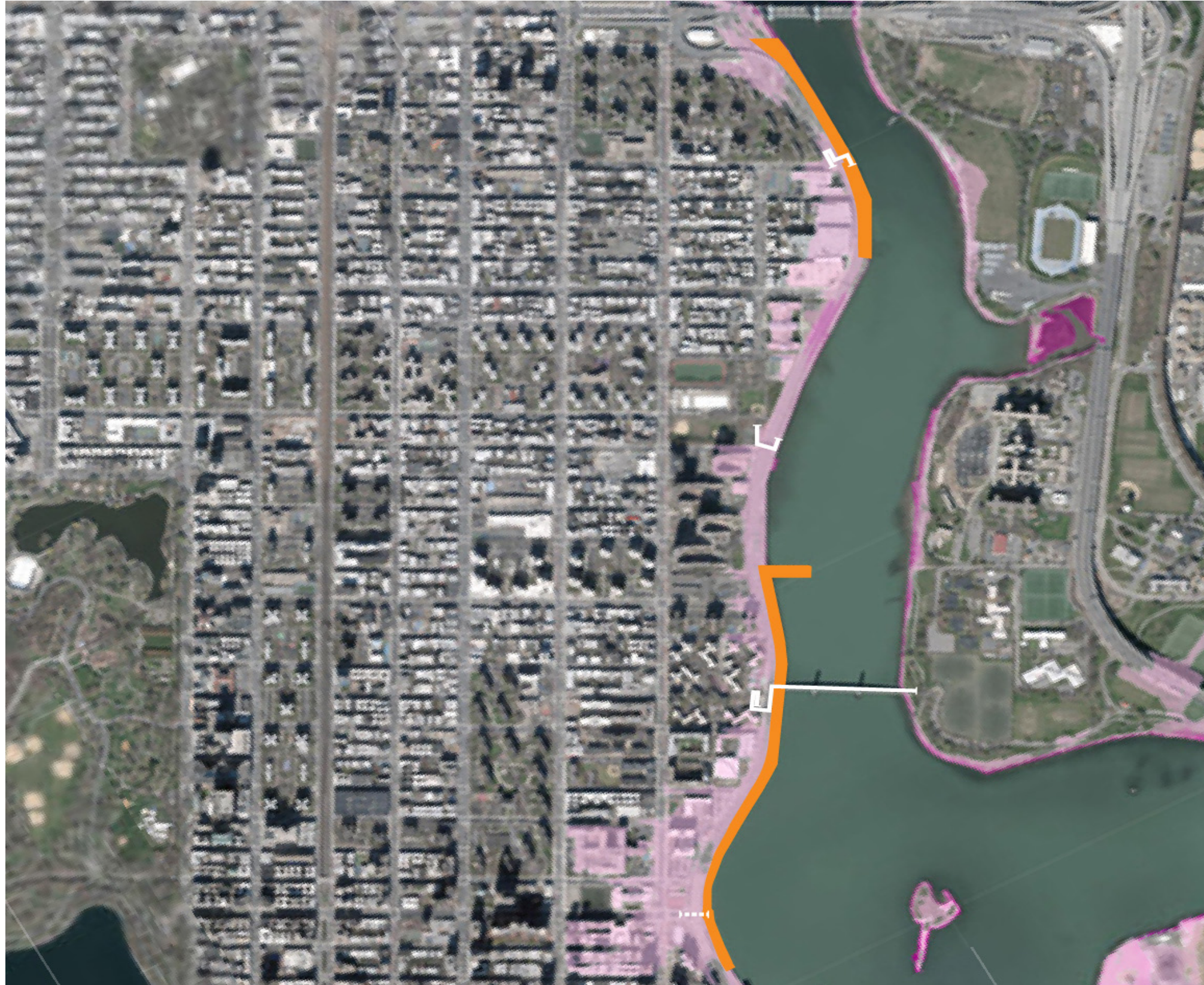


107th STREET PIER and BOBBY WAGNER WALK






MARVEL phyto

Flood Risk (2100 High Tide)



HIGH TIDE 2100

-  Low Estimate (15" SLR)
-  Middle Estimate (36" SLR)
-  High Estimate (75" SLR)

Source: NYC Flood Hazard Mapper

107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Community Engagement Takeaways | Esplanade

- It's **very important** that the Esplanade **provides a safe and continuous path along the waterfront.**
- It's **important** that the Esplanade **provides new activities** and is also a place of **calm and quiet.**
- It's **somewhat not important** that the Esplanade **maintains its current character.**



safe and continuous path



new activities



place of calm and quiet

Community Engagement Takeaways | Esplanade

- Would like to see/experience...



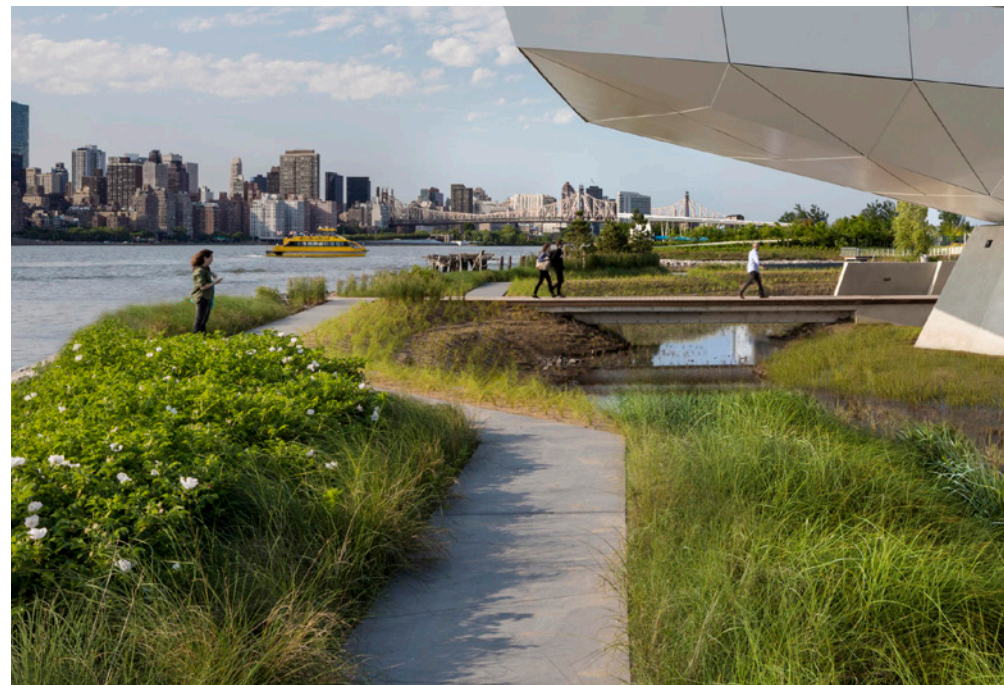
separated bike lane



tree canopy



bench seating



native planting



vegetative buffer

107th STREET PIER and BOBBY WAGNER WALK



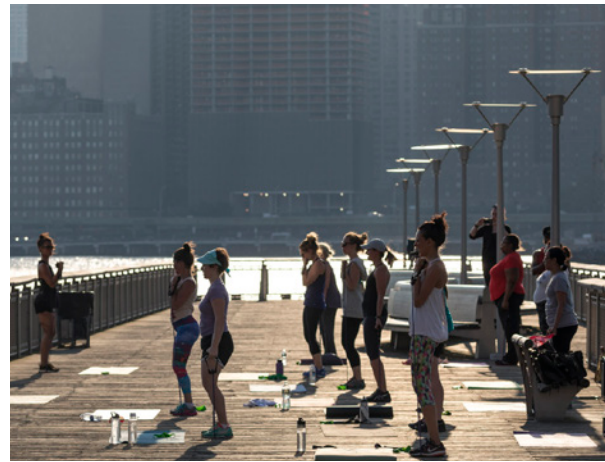
Stantec MARVEL phyto

Community Engagement Takeaways | 107th Street Pier

- It's **very important** that the Pier enhances and promotes **native ecology**, is a place of **community gathering**, allows **interaction with the water**, and reflects the **neighborhood's history**.
- It's also **important** that the Pier is a place of **quiet and comfort**, but less so compared to the Esplanade.



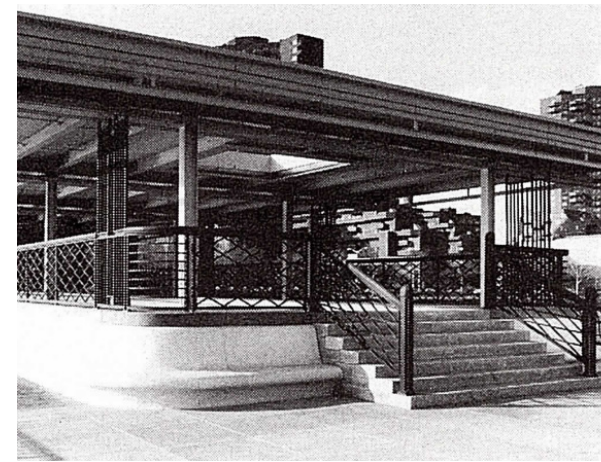
promotes ecology



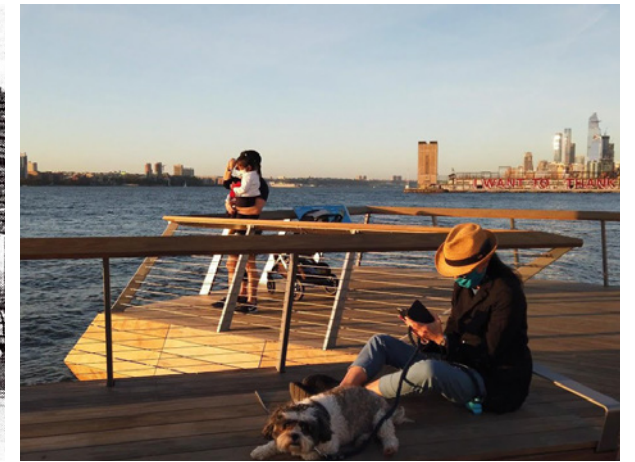
place of gathering



interaction with water



reflects local history



place of quiet and comfort

Community Engagement Takeaways | 107th Street Pier

- Would like to see/experience...



shade structure



multi-use gathering area



seating

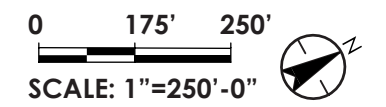
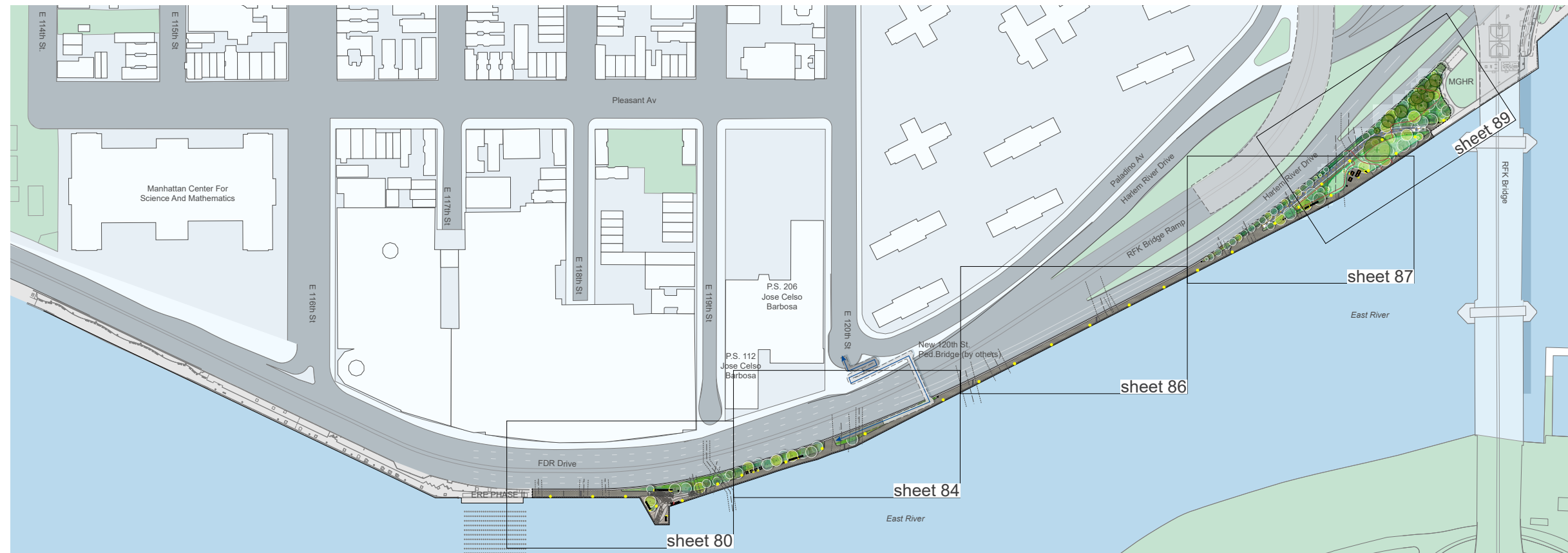
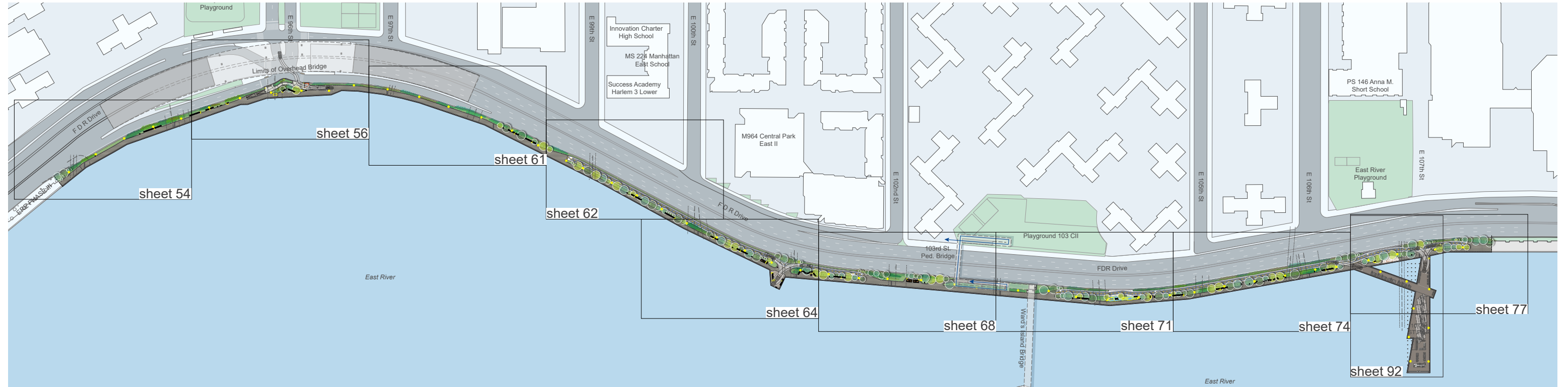


fishing



eco enhancements & learning

Preliminary Plan | Overall

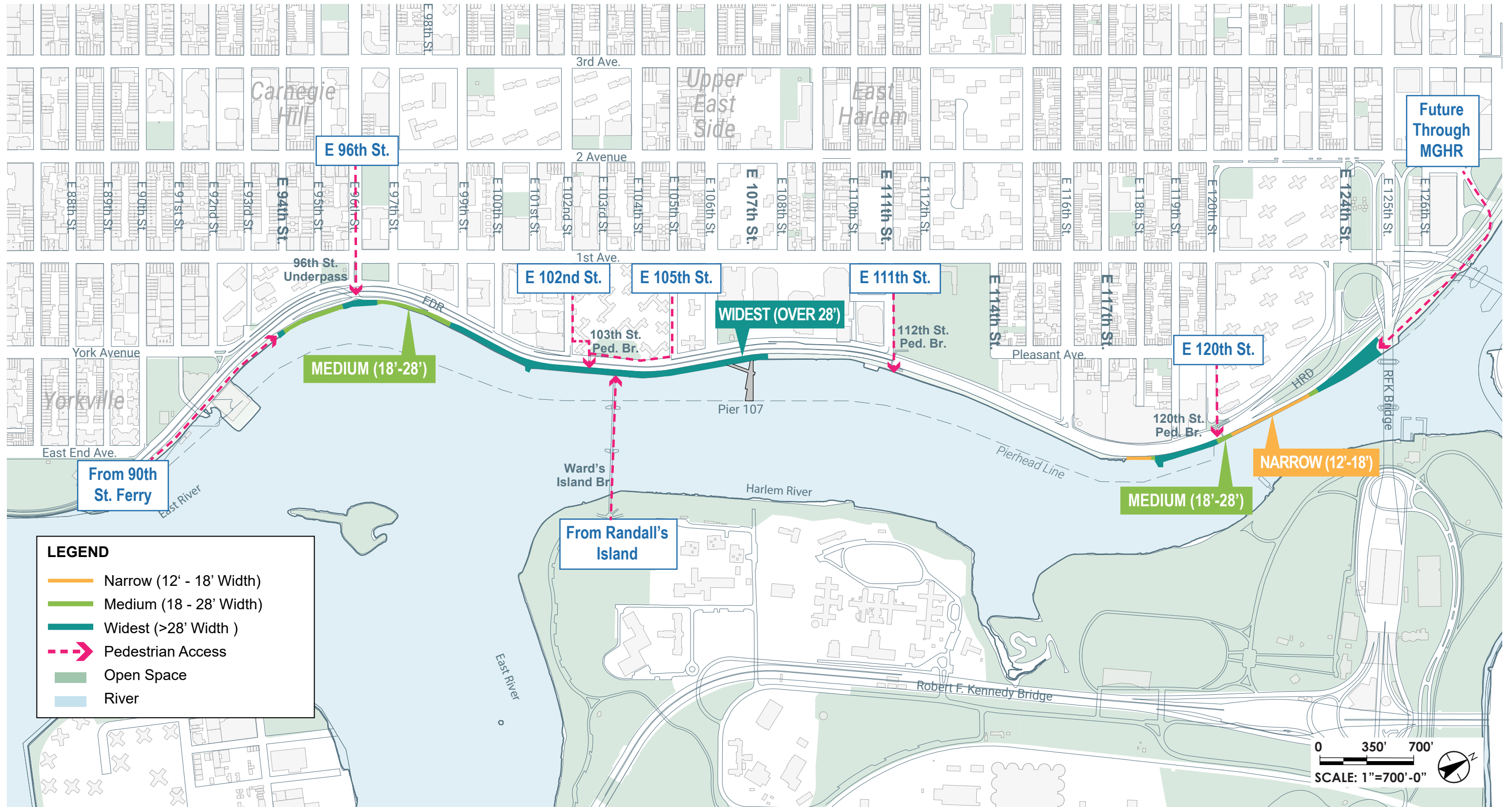


107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Proposed Access and Spatial Width



107th STREET PIER and BOBBY WAGNER WALK



Stantec MARVEL phyto

Planting Palette - Canopy Trees

SUPER CANOPY TREES

SPECIES

FALL COLOR



Quercus bicolor
Swamp white oak



Quercus ellipsoidalis
Northern pin oak



Quercus macrocarpa
Shingle oak



Quercus phellos
Willow oak

SPECIES

FALL COLOR



Quercus rubra
Northern red oak



Ulmus x 'Morton' ACCOLADE
American elm

CANOPY TREES

SPECIES

FALL COLOR



Acer rubrum (cultivars)
Red maple



Carya cordiformis
Bitternut hickory



Celtis occidentalis
Common hackberry



Gleditsia triacanthos (cultivars)
Honey locust

SPECIES









FALL COLOR



Nyssa sylvatica
Blackgum

Planting Palette - Understory Trees

UNDERSTORY TREES

SPECIES	FEATURE
 <p><i>Amelanchier canadensis</i> Serviceberry - Fall color</p>	 <p>Spring bloom</p>
 <p><i>Cercis canadensis</i> Eastern redbud</p>	 <p>Spring bloom</p>
 <p><i>Crataegus</i> ssp. Hawthorn</p>	 <p>Fruit - winter presence</p>
 <p><i>Magnolia virginiana</i> Sweetbay magnolia</p>	 <p>Spring bloom</p>

SPECIES	FEATURE
 <p><i>Rhus typhina</i> Staghorn sumac</p>	 <p>Fall color</p>
 <p><i>Sassafras albidum</i> Sassafras</p>	 <p>Fall color</p>

EVERGREENS

SPECIES	FEATURE
 <p><i>Juniperus virginiana</i> (cultivars) Eastern red cedar</p>	 <p>Fruit</p>
 <p><i>Juniperus chinensis</i> 'Fairview' Fairview juniper</p>	 <p>Fruit</p>
 <p><i>Ilex opaca</i> American holly</p>	 <p>Fruit</p>

Planting Palette - Shrubs

SHRUB MASSING

SPECIES



Baccharis halimifolia
Groundsel bush

FEATURE



In flower

LOW SHRUB MASSING

SPECIES



Comptonia peregrina
Sweetfern

FEATURE



Fall color

SPECIES



Rosa virginiana
Virginia rose

FEATURE



Fruit



Morella pensylvanica
Northern bayberry



Fruit



Diervilla lonicera
Northern bush honeysuckle



Fall color



Rhus glabra
Smooth sumac



Fall color



Prunus maritima
Beach plum



Fruit



Rhus copallinum
Winged sumac



Fall color



Rhus aromatica 'Gro-Low'
Fragrant sumac



Fall color

Planting Palette - Herbaceous Seasonal Theme Plants

SEASONAL THEME PLANTS

SPECIES FEATURE



Vernonia spp.
Ironweed



Winter presence

SPECIES

FEATURE



Eupatorium hyssopifolium
Hyssopleaf thoroughwort



Blooming

ORNAMENTAL GRASSES

SPECIES FEATURE



Andropogon virginicus
Broomsedge



Winter color

SCATTERED GROUND COVERS

SPECIES FEATURE



Geum triflorum
Prairie smoke



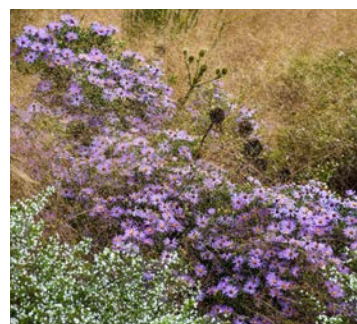
Flower



Amsonia spp.
Bluestar



Fall color



Symphyotrichum spp.
Aster



Flower



Eragrostis spectabilis
Purple lovegrass



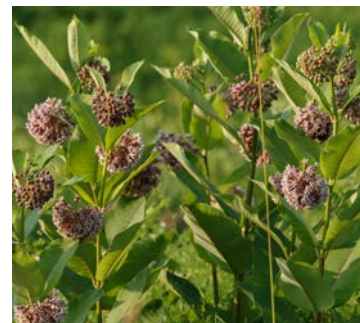
Inflorescence



Packera obovata
Roundleaf Ragwort



Wintergreen foliage



Asclepias spp.
Milkweed



Flower with Monarch



Solidago spp.
Goldenrod



Flower



Sorghastrum n. (cultivars)
Indiangrass



Winter color



Viola spp.
Violet



Flower



Rudbeckia spp.
Blackeyed Susan



Flower



Pycnanthemum spp.
Mountainmint



Flower



Panicum virgatum (cultivars)
Switchgrass



Winter color

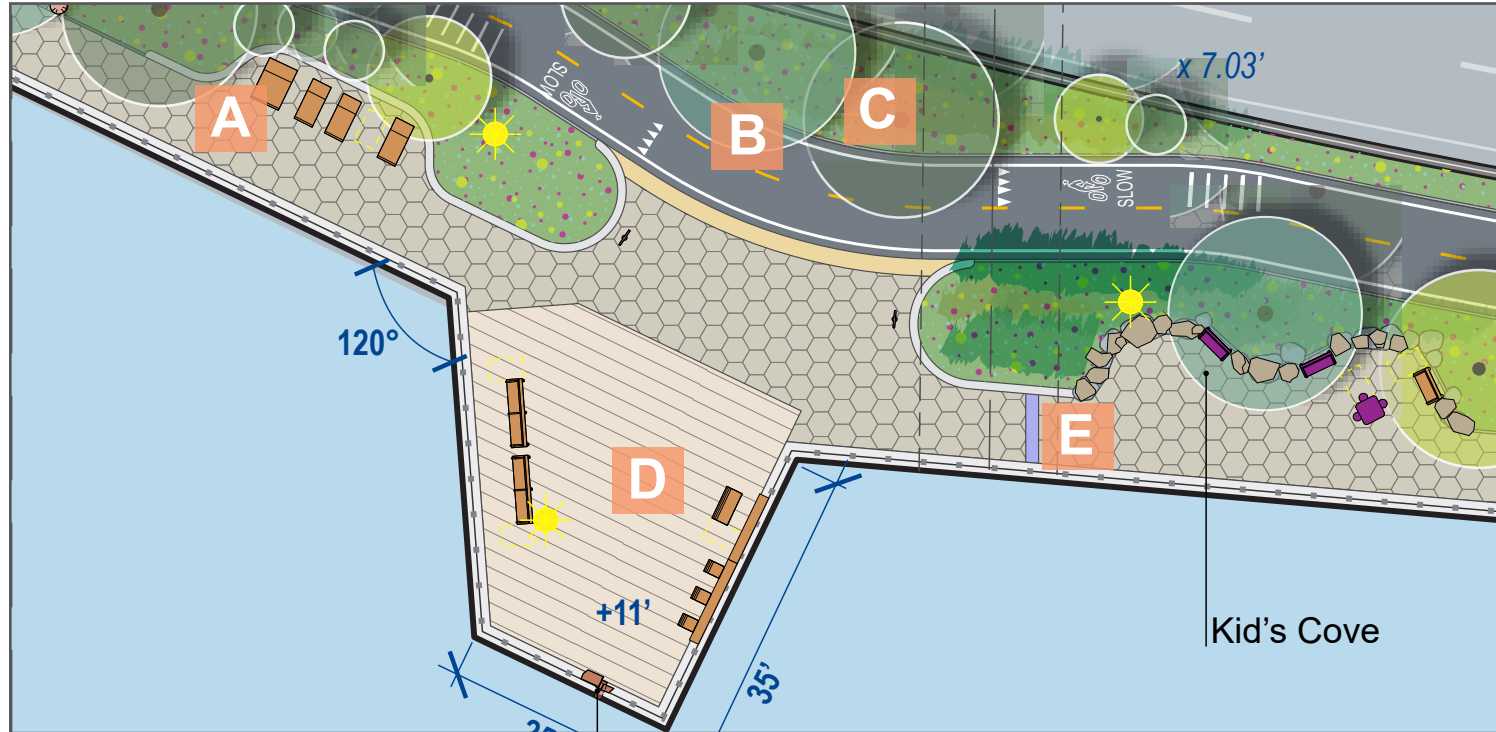


Carex spp.
Sedges

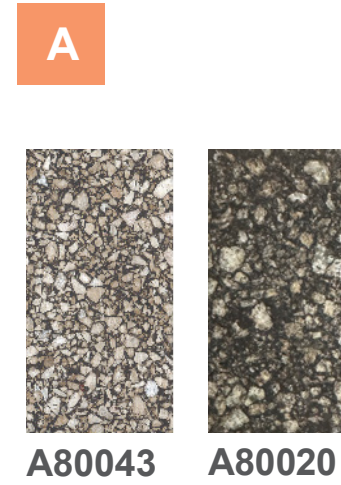


Inflorescence

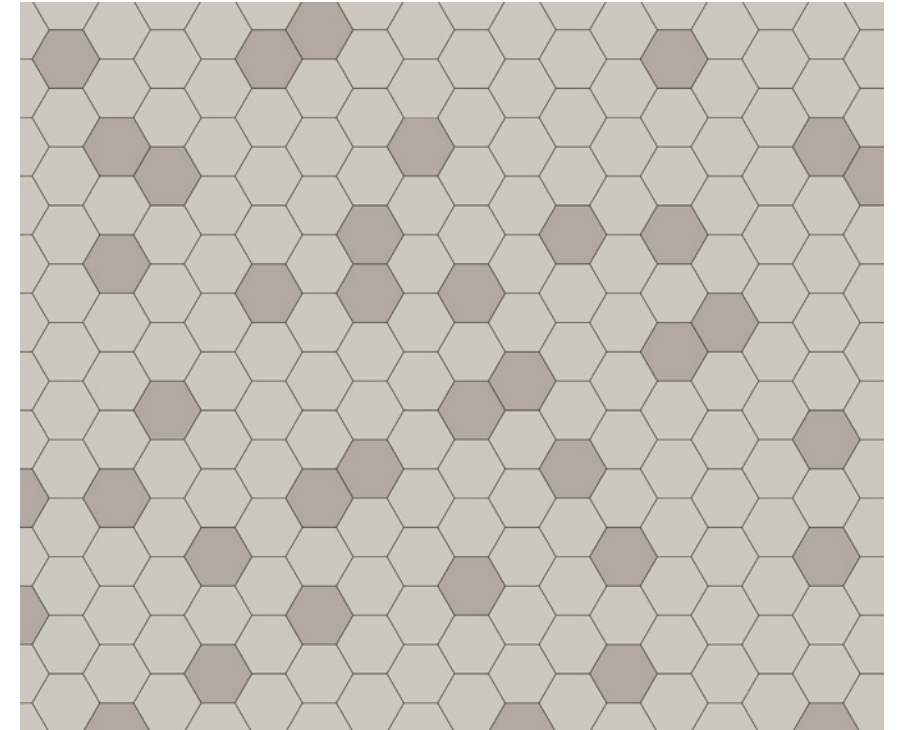
Esplanade Pavement



PLAN ENLARGEMENT



8" ASPHALT HEX PAVER



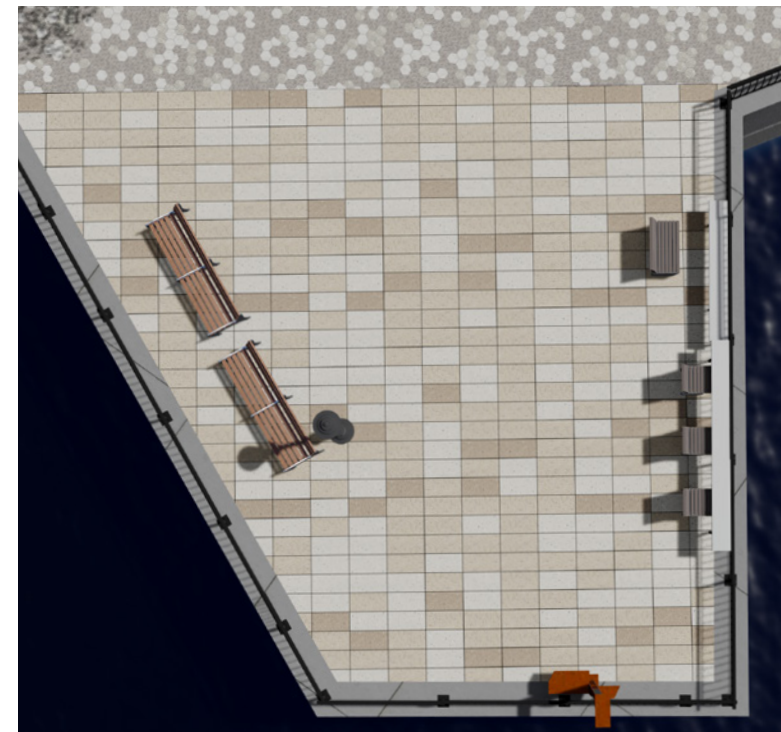
DETECTABLE WARNING PAVER



ASPHALT PAVEMENT



12" X 24" X 4" EXPOSED AGGREGATE CONCRETE PAVER

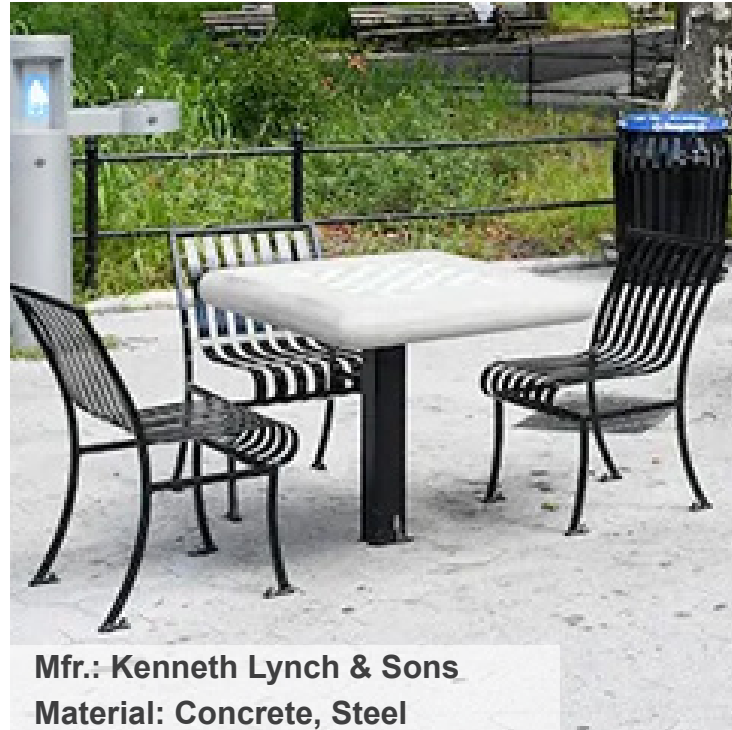


STREET IDENTIFICATION PAVER

Esplanade Furnishings



Mfr.: Kenneth Lynch & Sons
 Material: Steel, RPL
 Lumber Color: Weathered Wood
**1964 WORLD'S FAIR BACKLESS BENCH
 4FT LONG**



Mfr.: Kenneth Lynch & Sons
 Material: Concrete, Steel
GAME TABLE AND CHAIRS



Mfr.: Kenneth Lynch & Sons
 Material: Steel, RPL
 Lumber Color: Weathered Wood
**CHILD 1964 WORLD'S FAIR BENCH
 4FT LONG**



**NYC DOT STANDARD LIGHT POLE
 TYPE B PEDESTRIAN POLE**



Mfr.: Champlain Stone, or approved equal
 Material: Mountain Fieldstone
LANDSCAPE BOULDER



DOT Standard
LEANING BAR



Mfr.: Juilius Blum
 Material: Stainless Steel
 Color: Silver
HANDRAIL



Mfr.: Kenneth Lynch & Sons
 Material: Concrete
CHILD GAME TABLE AND STOOLS

Musical Interactive Play



TELEPHONE TUBE



TAMBOR DRUM



BATA DRUM



AFRICAN-ASIAN DRUM & CARIBBEAN DRUM



TALKING DRUM

107th STREET PIER and BOBBY WAGNER WALK

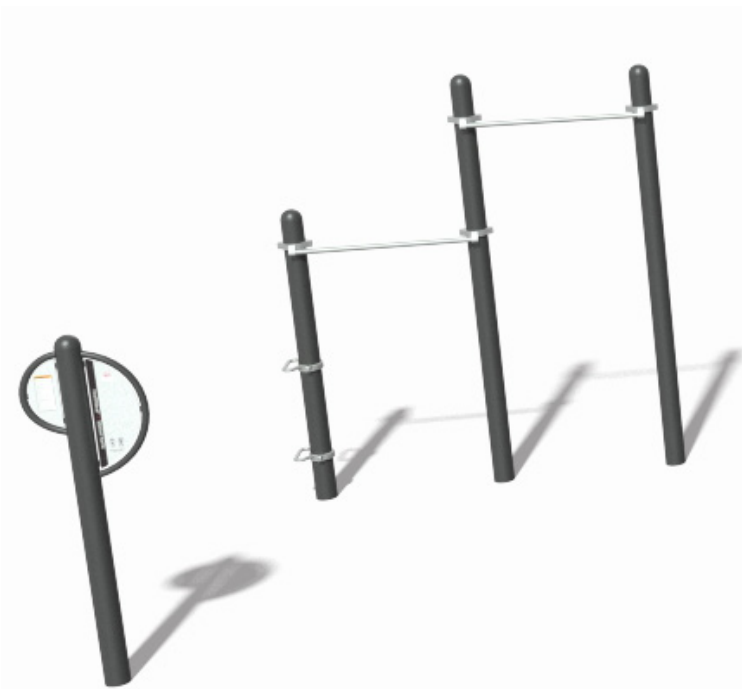


Stantec MARVEL phyto

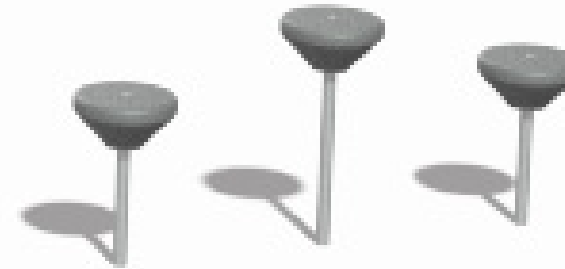
Adult Fitness Equipment & Safety Surface



OVERHEAD LADDER



DUAL PULL UP BARS



JUMP POD SET



Mfr.: Mitchell Rubber
Material: Rubber
Lumber Color: Ocean

SAFETY SURFACE



TRIPLE BARS



SQUAT PRESS & HAND CYCLER



Denim

Post



Orange

Other Components

Mfr.: Landscape Structure
Lumber Color: Denim & Orange

EQUIPMENT COLOR

Esplanade & Pier Furnishings



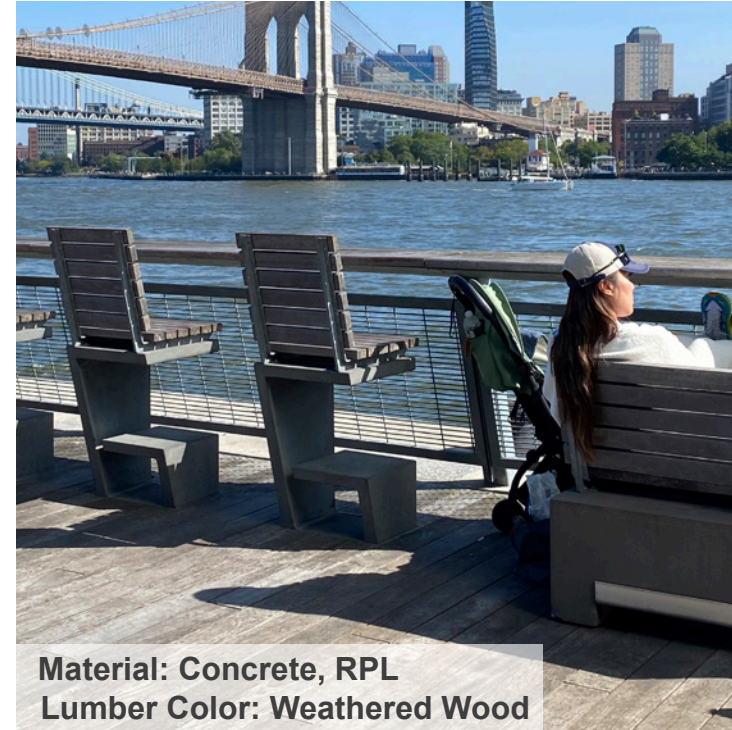
Mfr.: Kenneth Lynch & Sons
Material: Steel, RPL
Lumber Color: Weathered Wood

1964 WORLD'S FAIR BENCH
8FT & 4FT LONG



Mfr.: All City Play Equipment
Material: Steel, RPL
Lumber Color: Weathered Wood

PICNIC TABLE AND BENCHES



Material: Concrete, RPL
Lumber Color: Weathered Wood

RAIL SEATING (BMCR)



Mfr.: Streetlife
Material: Steel, RPL
Lumber Color: Cloudy Grey

LOUNGE CHAIR



Mfr.: Most Dependable Fountains
Color: Chrome

BOTTLE FILLER W/ HI-LO DRINKING FOUNTAIN BASINS



BICYCLE RACK - "HOOP"



TRASH RECEPTACLE
NYC PARKS STANDARD



EMG SEA RAIL (EAST MIDTOWN GREENWAY)

107th STREET PIER and BOBBY WAGNER WALK



Stantec

MARVEL phyto

Esplanade Furnishings



CRASH RATED GATE AND BOLLARD



Mfr.: Southside Precast, or approved equal
Material: Precasat Concrete
Color: White, Light Etched
Precast Concrete Curb



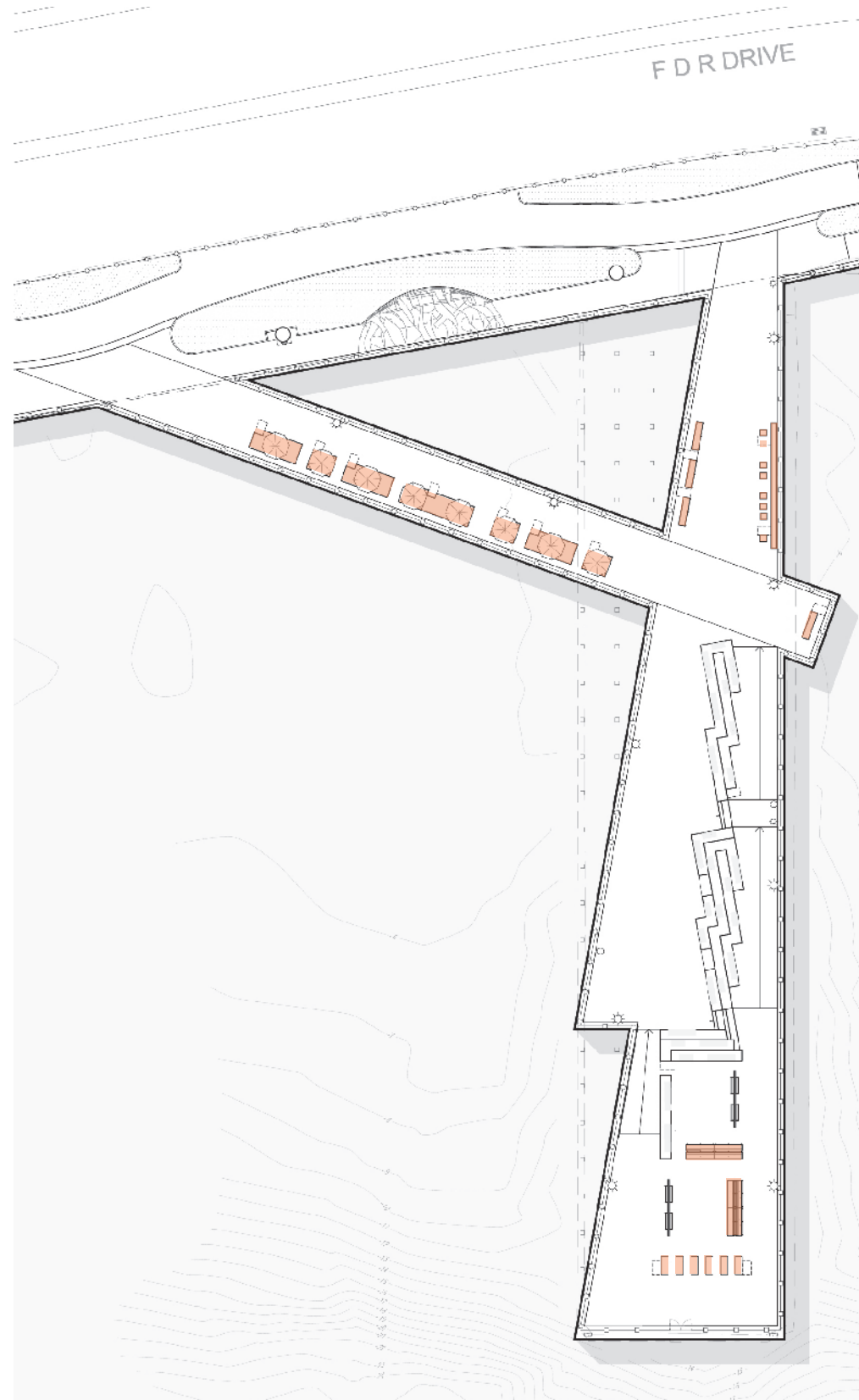
Mfr.: Orsogrill, or approved equal
Material: Steel
Color: Black
3'-6" HT Steel Fence


Pier Furnishings



BOLLARD W/ ELECTRICAL OUTLETS

107th Street Pier | Furniture Elements




 **PICNIC TABLE AND BENCHES**
 Mfr.: All City Play Equipment
 Lumber Color: Dark Gray
 Metal: Gloss Black, RAL 8022

SOLSTICE UMBRELLA
 Mfr.: Landscapeforms
 Material: Powdercoated Metal




 **SOLID SERIF CHAISE LOUNGE**
 Mfr.: Streetlife
 Material: Metal and RPL Wood



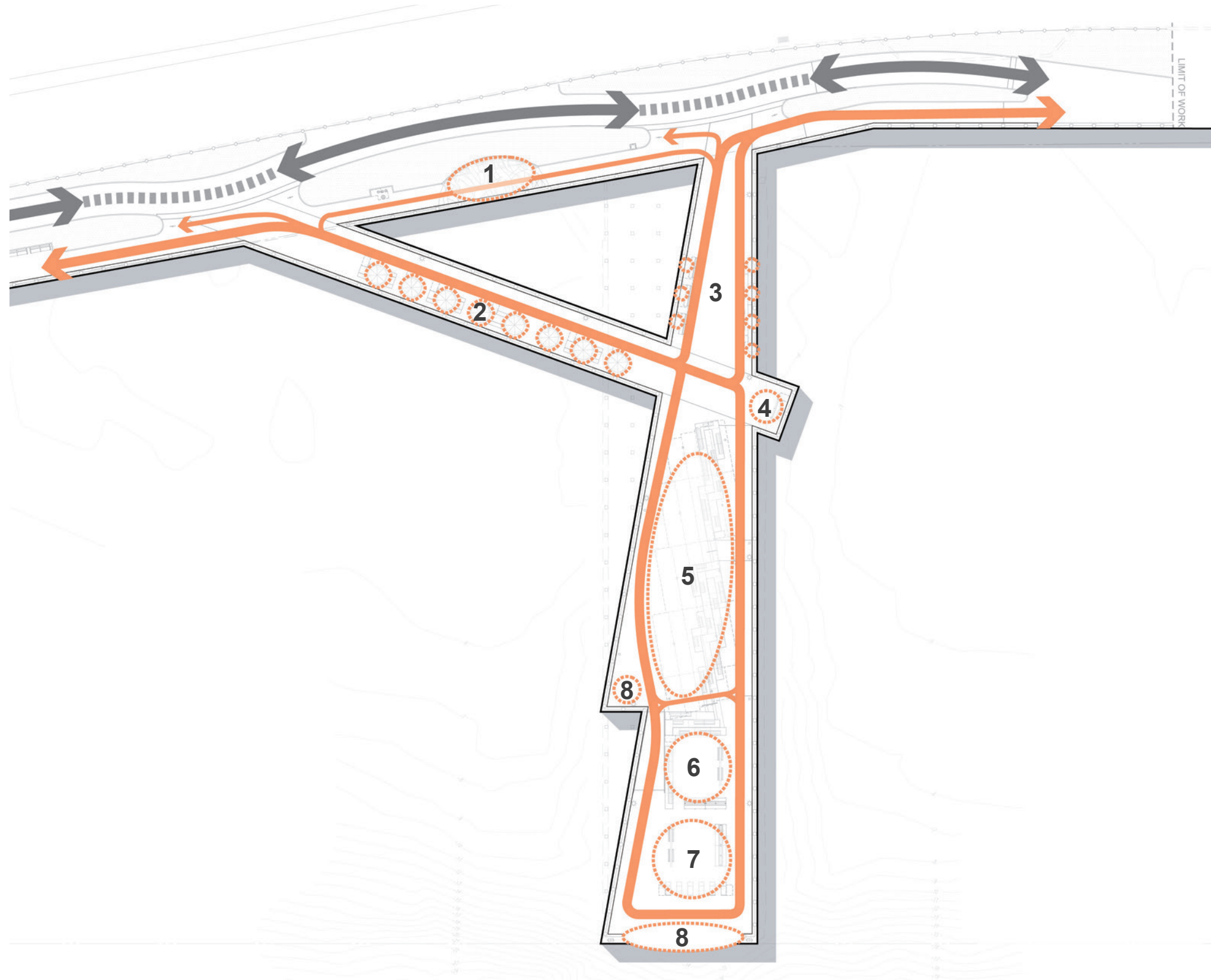
 **1964 WORLD'S FAIR BENCH 8'**
 Mfr.: Kenneth Lynch & Sons
 Lumber Color: Weathered Wood
 Metal: Galvanized Steel



 **RAIL SEATING**
 Mfr.: FineConcrete
 Material: Concrete and RPL

-  Mango
Landscapeforms
-  Weathered Wood
RPL
-  Black Tnemec

107th Street Pier | Programming & Circulation



LEGEND

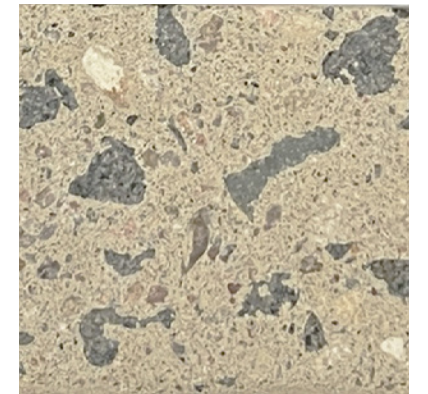
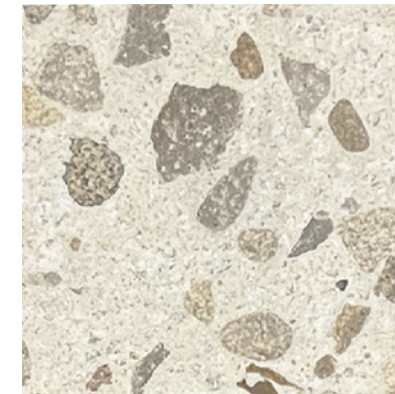
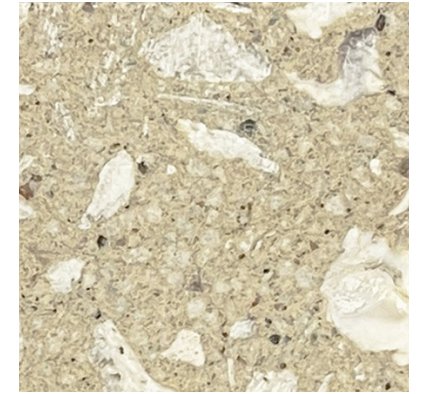
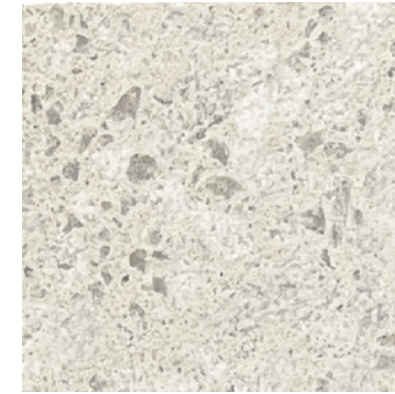
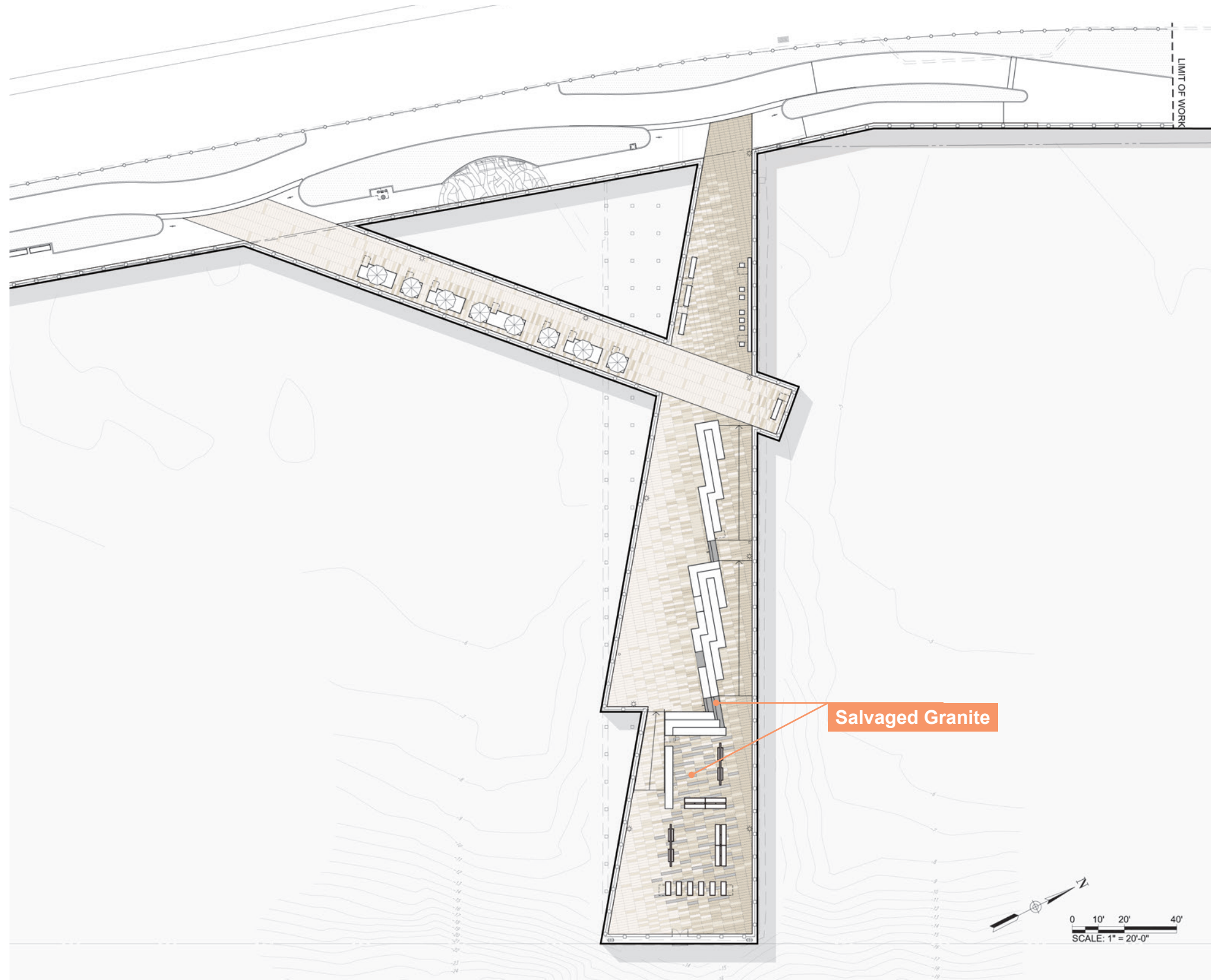
- Pedestrian Circulation
 - Bike Lane
1. **Pier Plaza** / Bench Seating and Art Piece
 2. **Picnic Bridge** / Picnic Tables
 3. **Pier Promenade** / Bench Seating, Rail Seating
 4. **North Balcony** / Overlook
 5. **Pier Steps** / Central Shaded Gathering Space
 6. **River Room** / Small Flexible Gathering Space
 7. **Sun Lounge** / Gathering Space with Loungers & Gliders
 8. **Pier Overlook** / Overlook

Description

The design integrates the pier into the path of circulation along the esplanade with two entry bridges into the main shaded gathering space of the pier.

Moving further out towards the water, a elevation change is incorporated into the end segment of the pier to host multiple smaller-scaled seating areas.

107th St Pier Pavement



TAN PAVER MIX w/ AGGREGATE



SALVAGED GRANITE