

East Side Coastal Resiliency

**LESReady! Monthly Membership
ESCR Design and Construction Phasing Briefing**

82 Rutgers Slip, New York, NY 10002

November 21, 2019



An aerial architectural rendering of a waterfront development project. The scene shows a dense urban area on the left, a large body of water on the right, and a bridge crossing the water. The foreground features a large green space with a curved path and a large oval-shaped area. The background shows a grid of buildings and streets. The entire image is overlaid with a semi-transparent teal color.

PRESENTATION AGENDA

SITE DESIGN UPDATE

SITE ELEMENTS

SITE BUILDINGS AND STRUCTURES

AMPHITHEATER DESIGN UPDATE

PROJECT SCHEDULE AND CONSTRUCTION PHASING

An aerial architectural rendering of a city waterfront. The scene shows a dense urban grid of buildings on the left, transitioning into a waterfront area with a suspension bridge crossing a body of water. Along the waterfront, there are several green spaces, including what appear to be tennis courts and larger park areas. The entire image is overlaid with a semi-transparent teal color. The text 'SITE DESIGN UPDATE' is centered in the middle of the image in a bold, white, sans-serif font.

SITE DESIGN UPDATE

CORLEARS HOOK BRIDGE

PRELIMINARY DESIGN



CORLEARS HOOK BRIDGE LANDING

PRELIMINARY DESIGN



**AMPHITHEATER DESIGN
IS IN PROGRESS**

CORLEARS SHARED USE PATH

PRELIMINARY DESIGN



DELANCEY BRIDGE

PRELIMINARY DESIGN



DELANCEY BRIDGE LANDING

PRELIMINARY DESIGN





E 10TH STREET BRIDGE
PRELIMINARY DESIGN



E 10TH STREET BRIDGE
BRIDGE VIEW



E 10TH STREET BRIDGE
PARK VIEW

10TH STREET PLAYGROUND

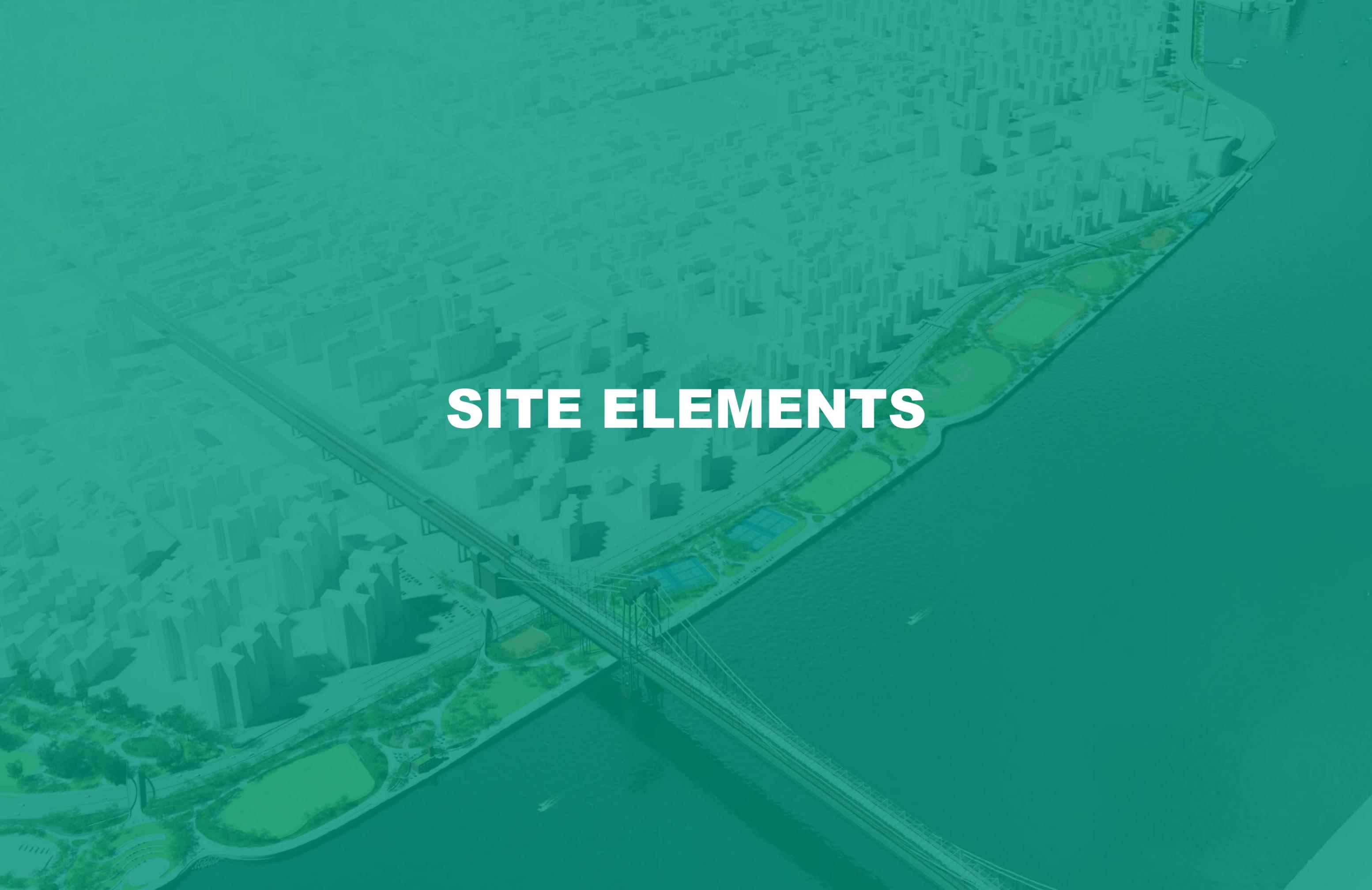
PRELIMINARY DESIGN



10TH STREET BBQ

PRELIMINARY DESIGN

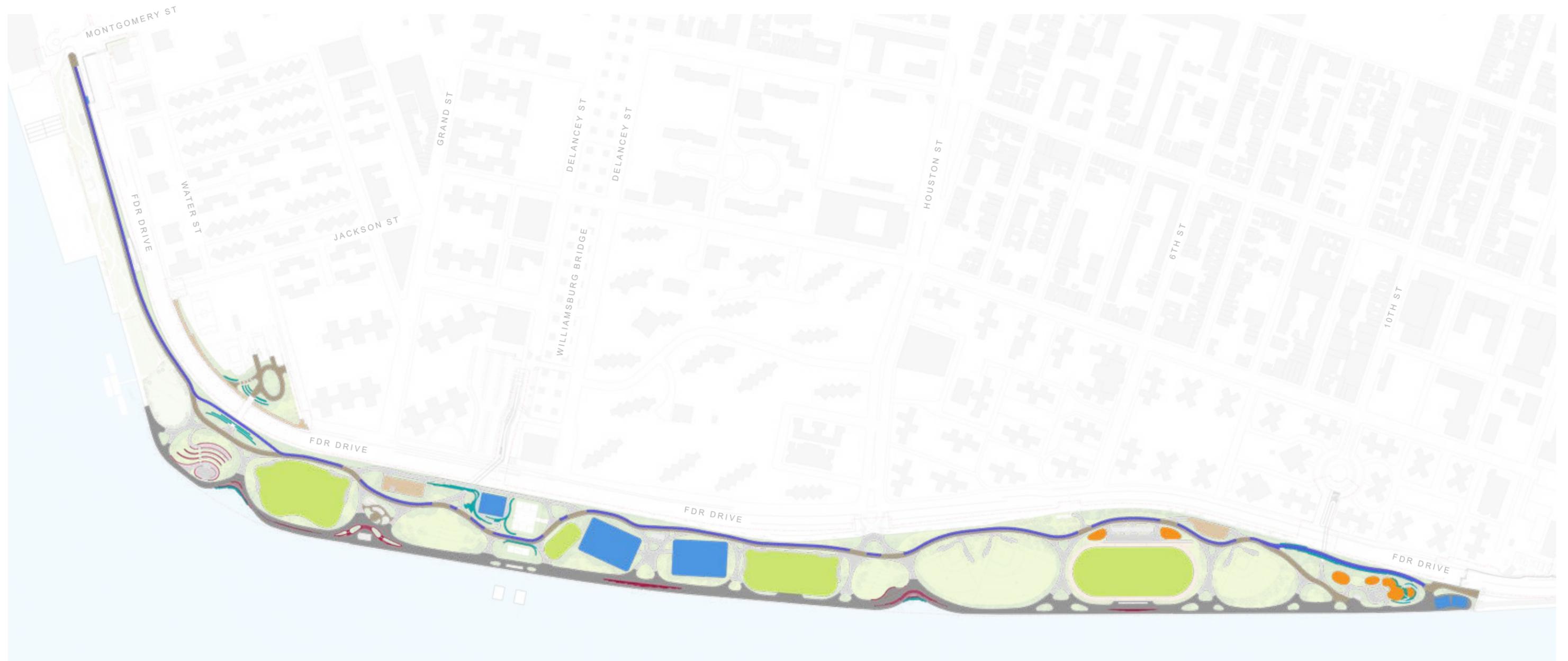


An aerial architectural rendering of a city waterfront development. The scene is dominated by a large, multi-lane bridge crossing a wide river. To the left of the bridge, a dense urban grid of buildings is visible. To the right, a waterfront promenade features several green park spaces, including a large oval field and several smaller rectangular fields. The entire image is overlaid with a semi-transparent teal color. The text 'SITE ELEMENTS' is centered in the middle of the image in a bold, white, sans-serif font.

SITE ELEMENTS

PARK MATERIALS

PROJECT AREA 1



- ASPHALT BLOCK
- CONCRETE PAVEMENT 6"
- CONCRETE PAVEMENT 5"
- ASPHALT PAVEMENT BIKE LANE
- CEMENT CONCRETE PAVEMENT MAINTENANCE

- SAFETY SURFACE
- ASPHALT PAVEMENT WITH SURFACE PAINT
- SYNTHETIC TURF
- STONE
- AVERAGE PRECAST CONCRETE

LIGHTING

KEY PLAN

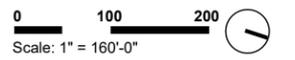


PA1 KEY PLAN



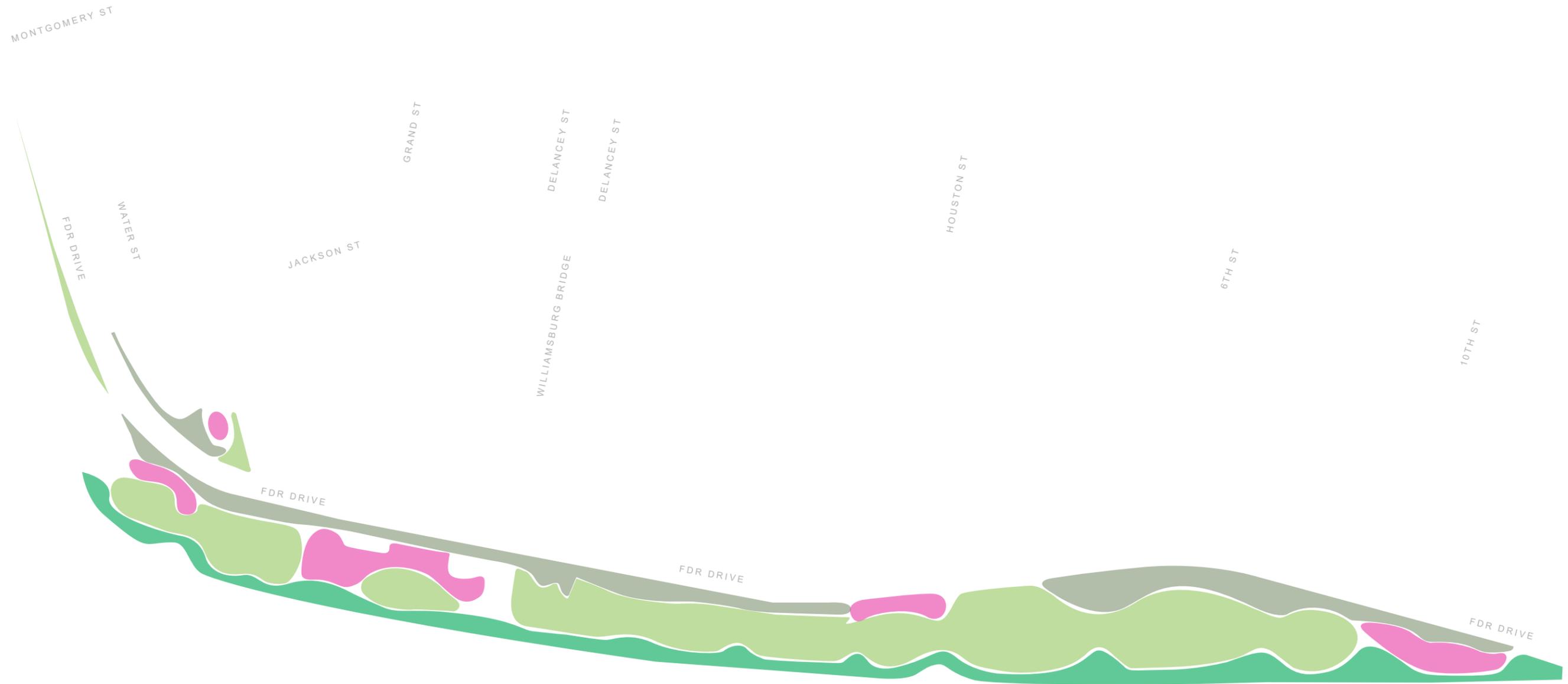
LEGEND

- - - ESCR LIMIT OF WORK
- EVERGEN M SERIES SOLAR LIGHT 18' POLE
- FLUSHING MEADOWS 12' POLE
- ▲ SPORTS TOWER 60'-80' POLE
- ▲ SPORTS TOWER 30' POLE
- DOT STANDARD DAVIT 30' POLE



PLANTING

SPACIAL CONCEPT



**WOODLAND
EDGES**

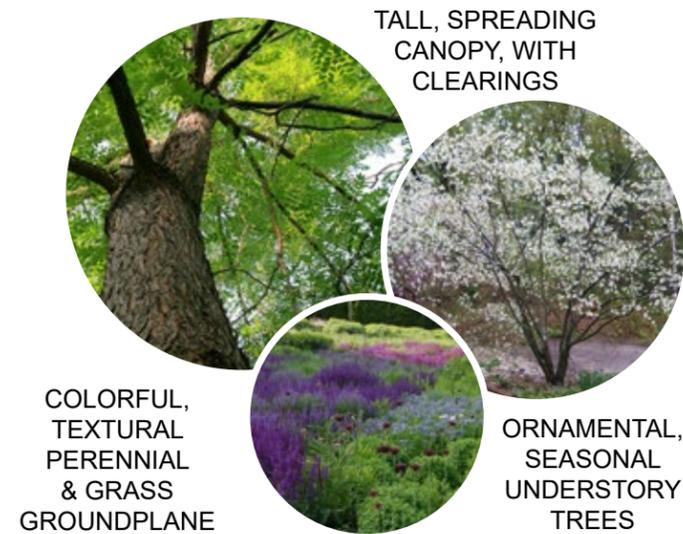
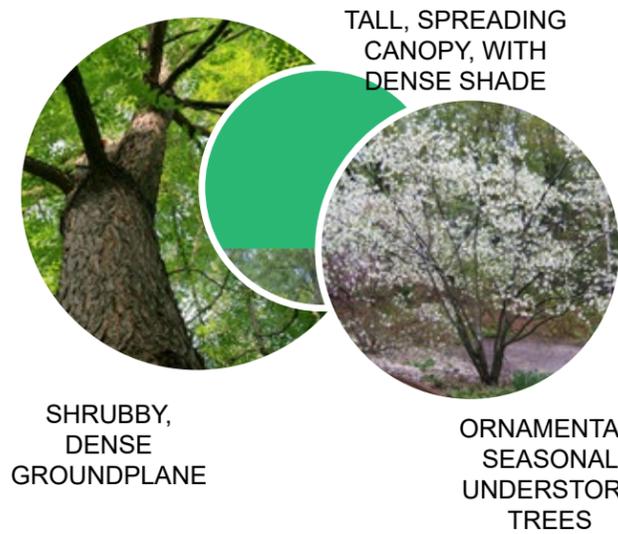
**PASTORAL
OPENINGS**

**LAYERED
GROVES**

**MARITIME
EDGES**

PLANTING

SPACIAL CONCEPT



**HIGH, FULL CANOPY
CREATES CONNECTED,
DAPPLED SHADE**



WOODLAND EDGES

- Location: Western urban edge of park. Ornamental understory trees, conifers, shrubs, and perennials provide visual interest along paths and slopes while buffering views
- Maintenance: Trees, shrubs, groundcovers

PASTORAL OPENINGS

- Location: Open lawns and spectator areas
- Lawn groundplane maintains open sight lines and open circulation
- Maintenance: Trees, lawn

LAYERED GROVES

- Location: Clearing edges and special areas
- Ornamental understory trees and a low perennial groundplane maintain veiled, eye-level sight lines
- Maintenance: Trees, garden beds

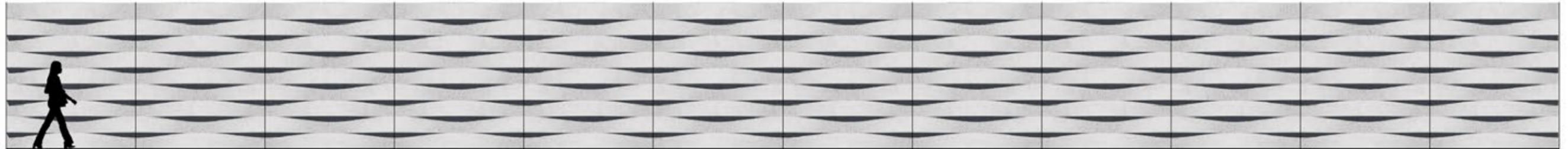
MARITIME EDGES

- Location: Maritime edges of open spaces and esplanade
- Mid and Understory trees, maritime evergreens, shrubs, and grasses provide shade and interest along the river edge
- Maintenance: Trees, shrubs, grasses

FLOOD AND HIGHWAY WALLS

WALL FINISH TOOLKIT

SHORT MODULES



PEDESTRIAN PATH 3.1 MPH = 4.5 FT/S

MEDIUM MODULES



BIKING PATH 9.6 MPH = 14 FT/S

LONG MODULES



FDR DRIVE 40 MPH = 58.6 FT/S

An aerial architectural rendering of a city waterfront. The scene is dominated by a large body of water on the right side. A prominent suspension bridge with two tall towers and cables spans across the water, connecting to a city area on the left. The city is depicted with a dense grid of buildings, some of which are highlighted in a light green color. In the foreground, there are several green spaces, including what appears to be a baseball field and other recreational areas. The overall color palette is a monochromatic teal/green, giving it a clean, modern aesthetic. The text 'SITE BUILDINGS AND STRUCTURES' is overlaid in the center in a bold, white, sans-serif font.

SITE BUILDINGS AND STRUCTURES

PARK BUILDINGS

PRELIMINARY DESIGN

DESIGN IN PROGRESS



Tennis House



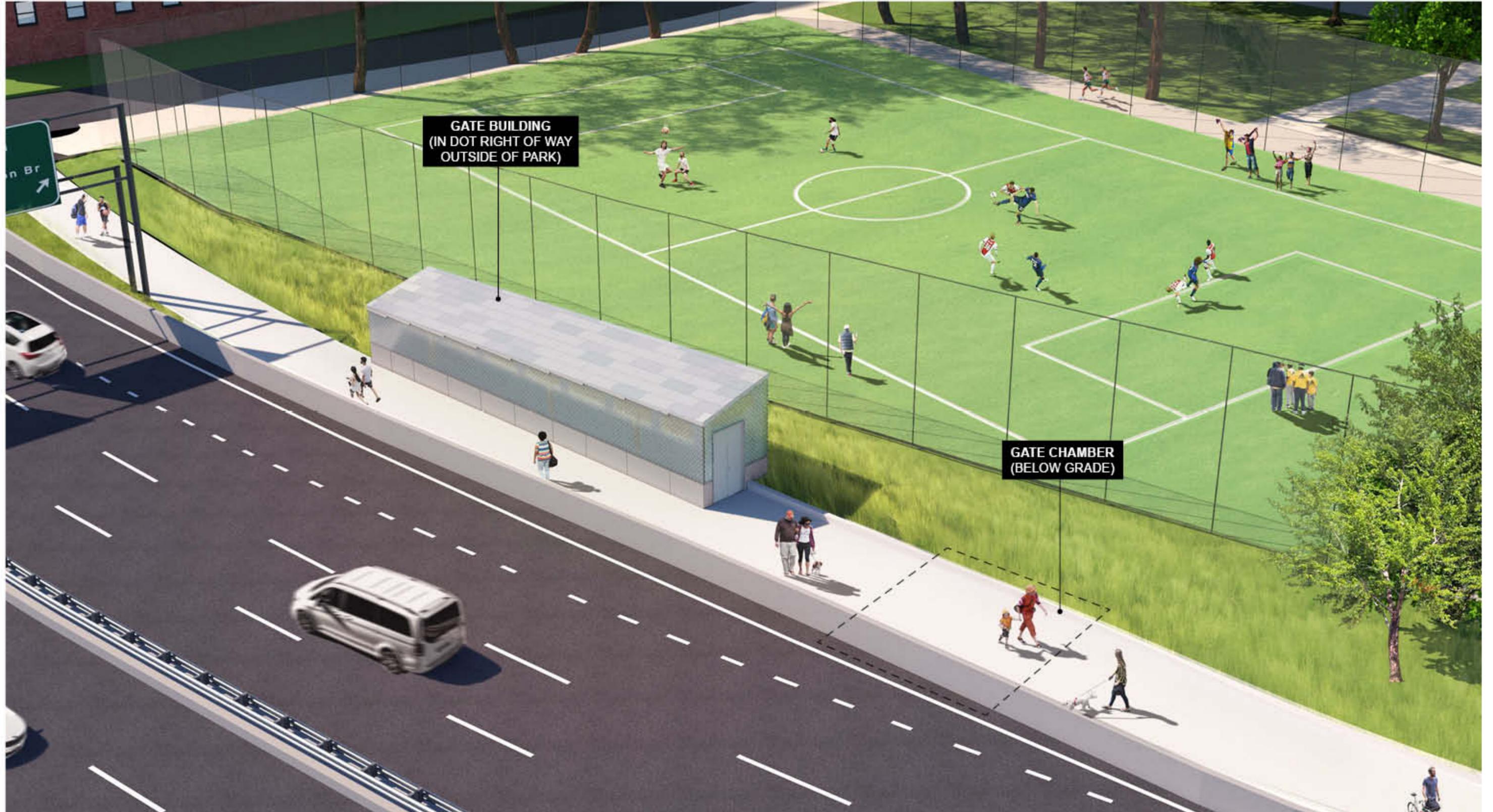
Track Building



10th St Comfort Station

IMPROVED DRAINAGE

SOUTH INTERCEPTOR GATE CHAMBER & BUILDING



INTERCEPTOR GATE BUILDING

MATERIAL PALETTE



DETAIL ELEVATION



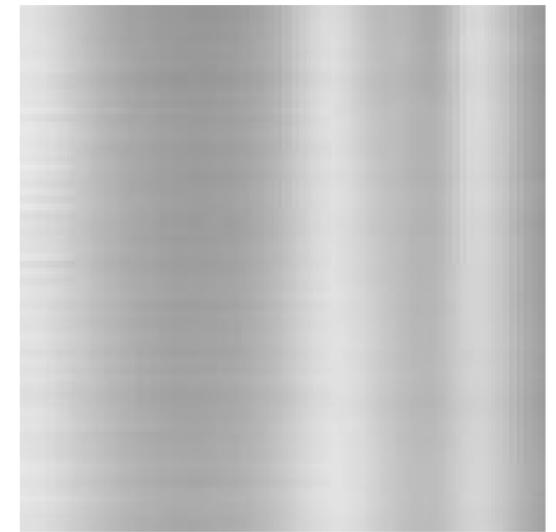
2 SOLID GLASS BRICK
Facade



1 FLAT-LOCK METAL TILE
Sloped Roof Assembly



4 Barre Grey Granite
Stone Base



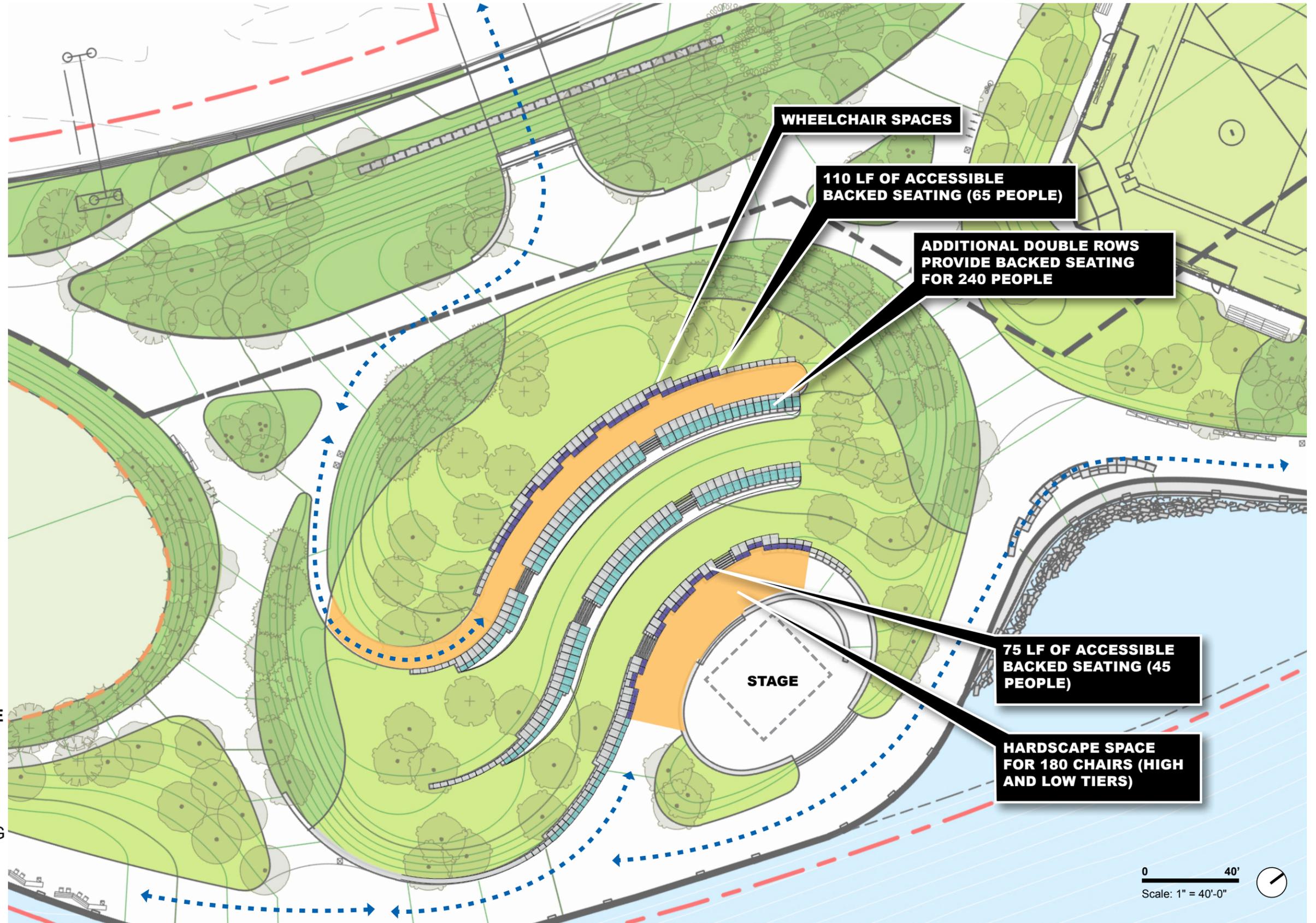
3 STAINLESS STEEL
Backup Wall & Doors

An aerial architectural rendering of a city waterfront. A large suspension bridge spans across a body of water. On the left side of the bridge, a large green area is designated for an amphitheater, featuring a curved stage and tiered seating. To the right of the bridge, there are several blue rectangular structures, possibly tennis courts or sports fields, and more green spaces. The background shows a dense urban grid with various building heights. The entire image is overlaid with a semi-transparent teal color.

AMPHITHEATER DESIGN UPDATE

SEATING AND ACCESSIBILITY

BACKED SEATING



NOTE:
SEAT WALL CAPACITY: 750 PEOPLE
BACKED SEATING: 330 PEOPLE
ACCESSIBLE FOR THE ELDERLY /
MOBILITY IMPAIRED: 110 PEOPLE

HARDSCAPE CAPACITY: 180 PEOPLE

- ACCESSIBLE BACKED SEATING
- BACKED SEATING
- HARDSCAPE
- ACCESSIBLE PATH

0 40'
Scale: 1" = 40'-0"

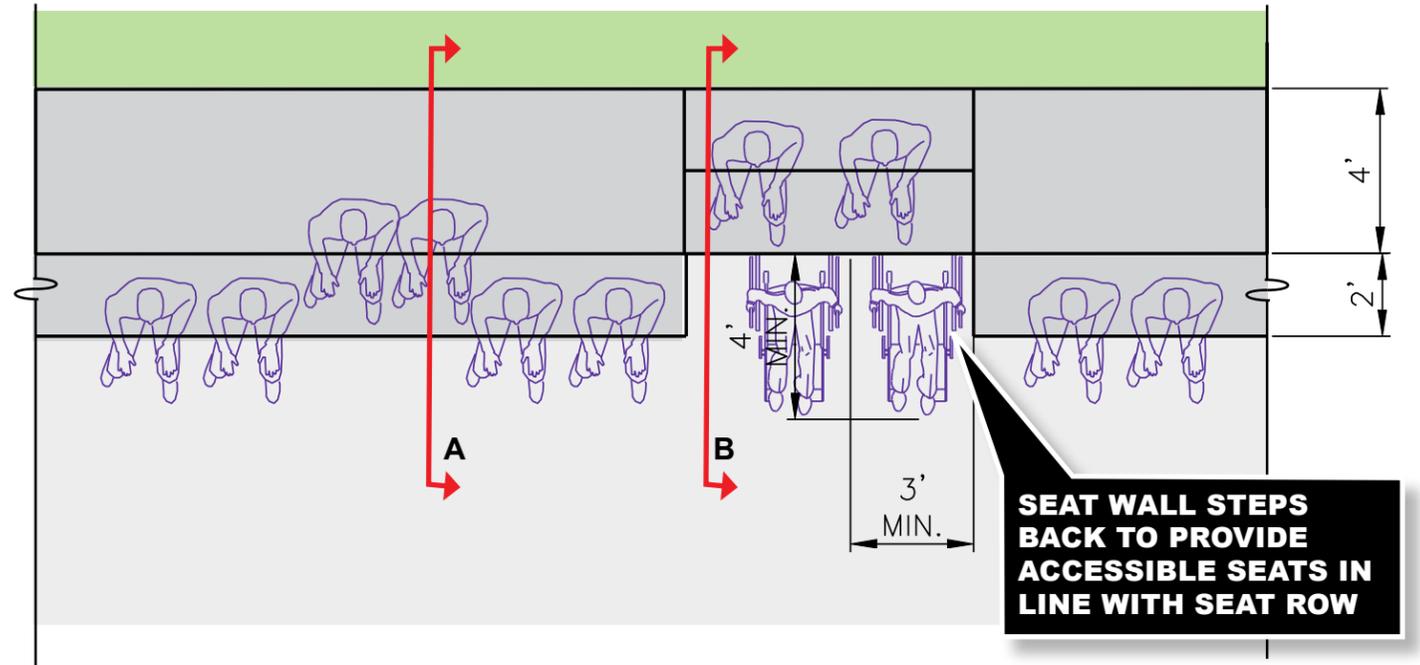
SEATING AND ACCESSIBILITY

BACKED SEATING

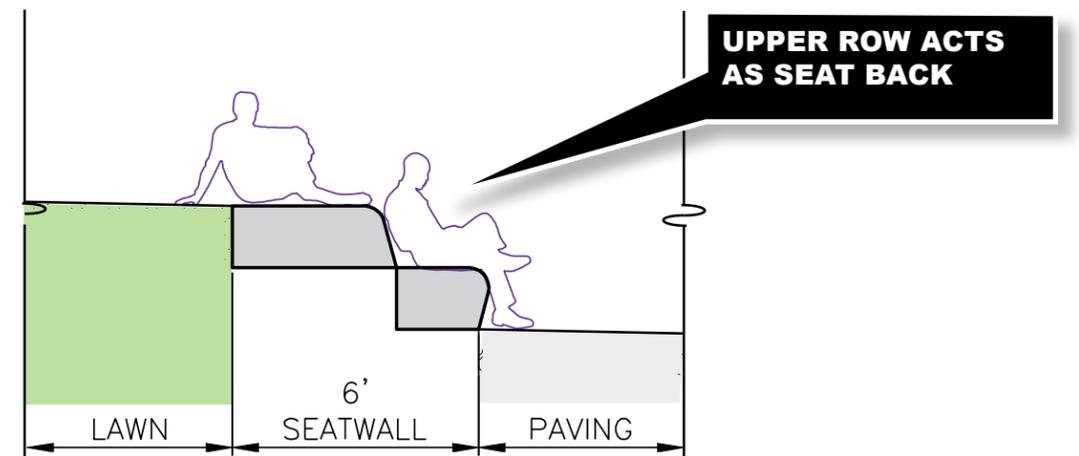
VIEW



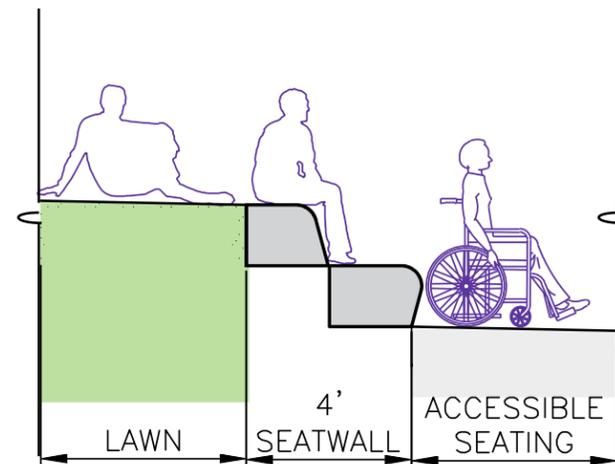
PLAN



SECTION A

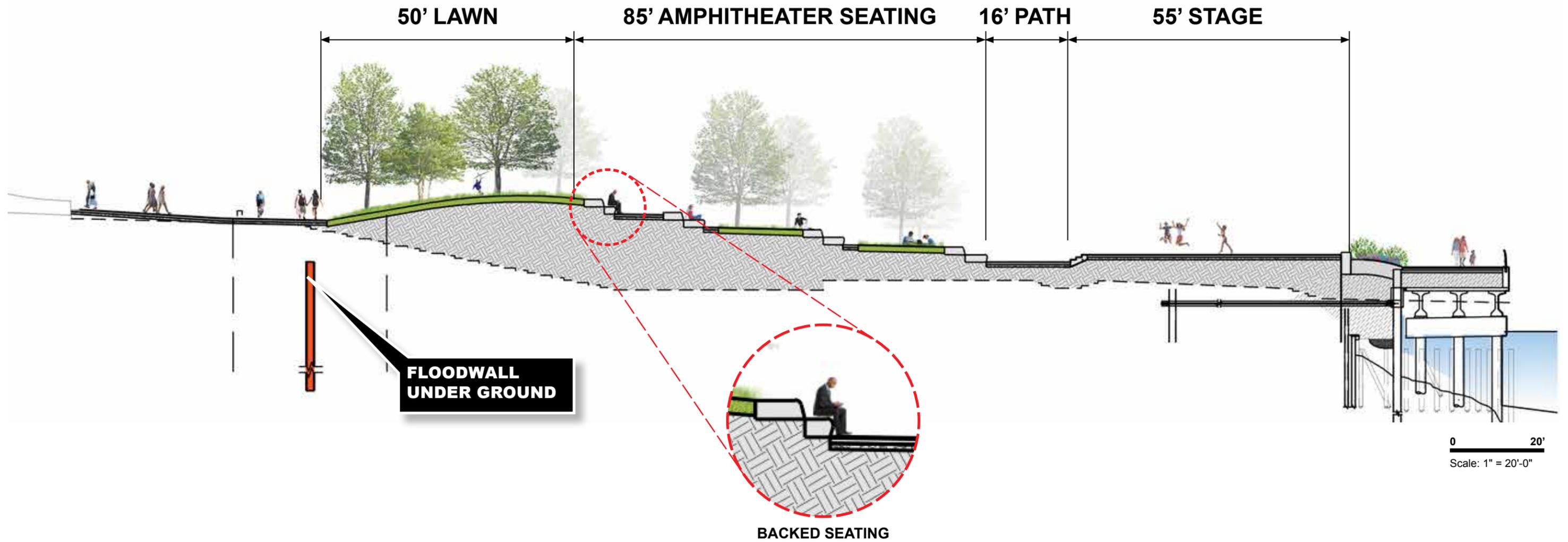


SECTION B



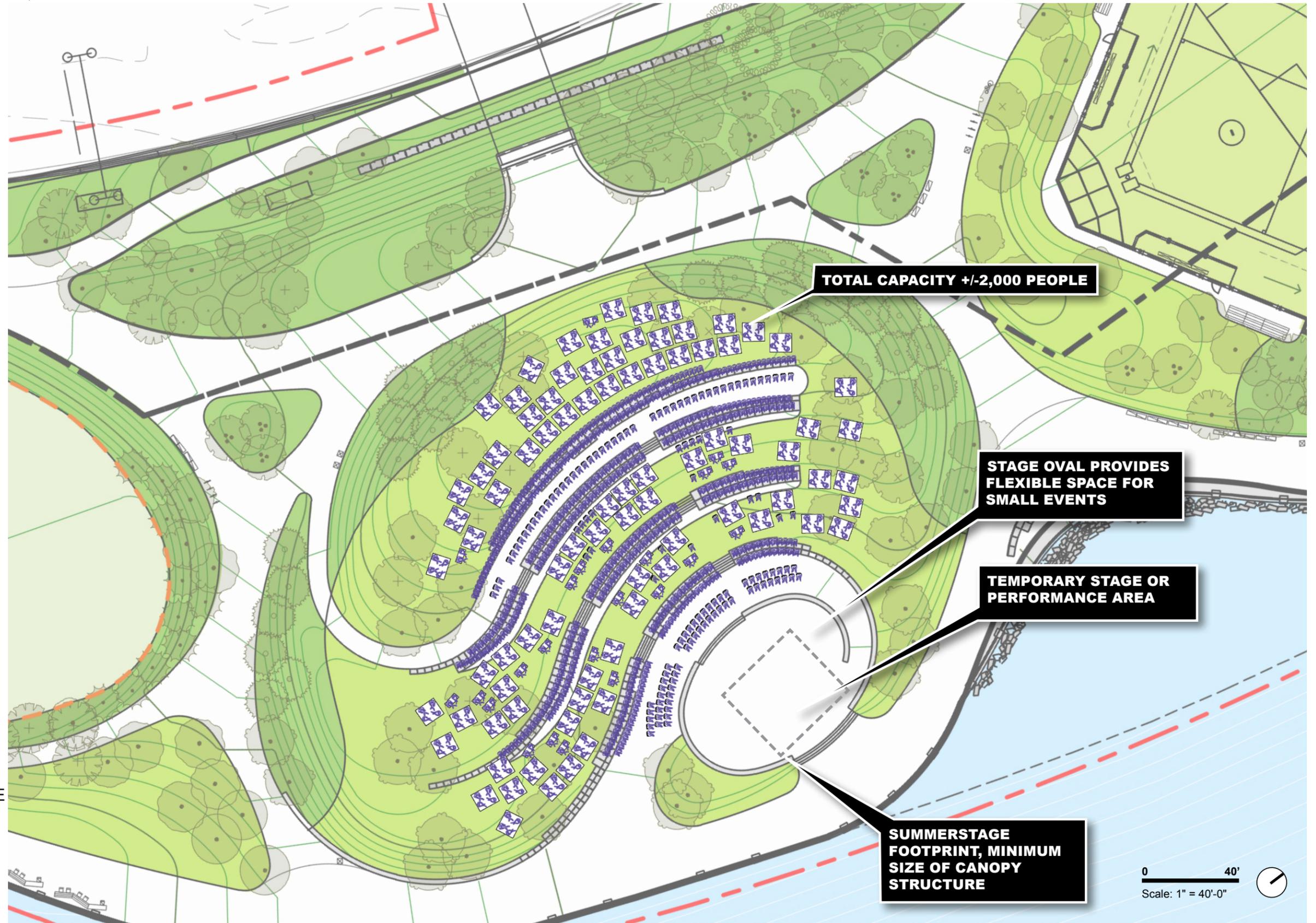
SITE DESIGN UPDATES

PROPOSED SECTION



CAPACITY

SUMMERSTAGE CONCERT, LARGE EVENTS



NOTE:

TOTAL SIZE: +/-40,000 SF

TOTAL CAPACITY: +/-2,000 PEOPLE

LAWN CAPACITY: 1,070 PEOPLE

FIXED SEATING CAPACITY: 750

PEOPLE

HARDSCAPE CAPACITY = 180 PEOPLE

— 2000 people

POWER

- 34" wide x 10" tall electrical cabinet mounted in amphitheater stage wall
- Accessible by permitted events, locked at other times

PRECEDENT IMAGES



STRUCTURE

DESIGN IN PROGRESS



VIEW FROM CORLEARS HOOK BRIDGE



VIEW FROM EMBAYMENT



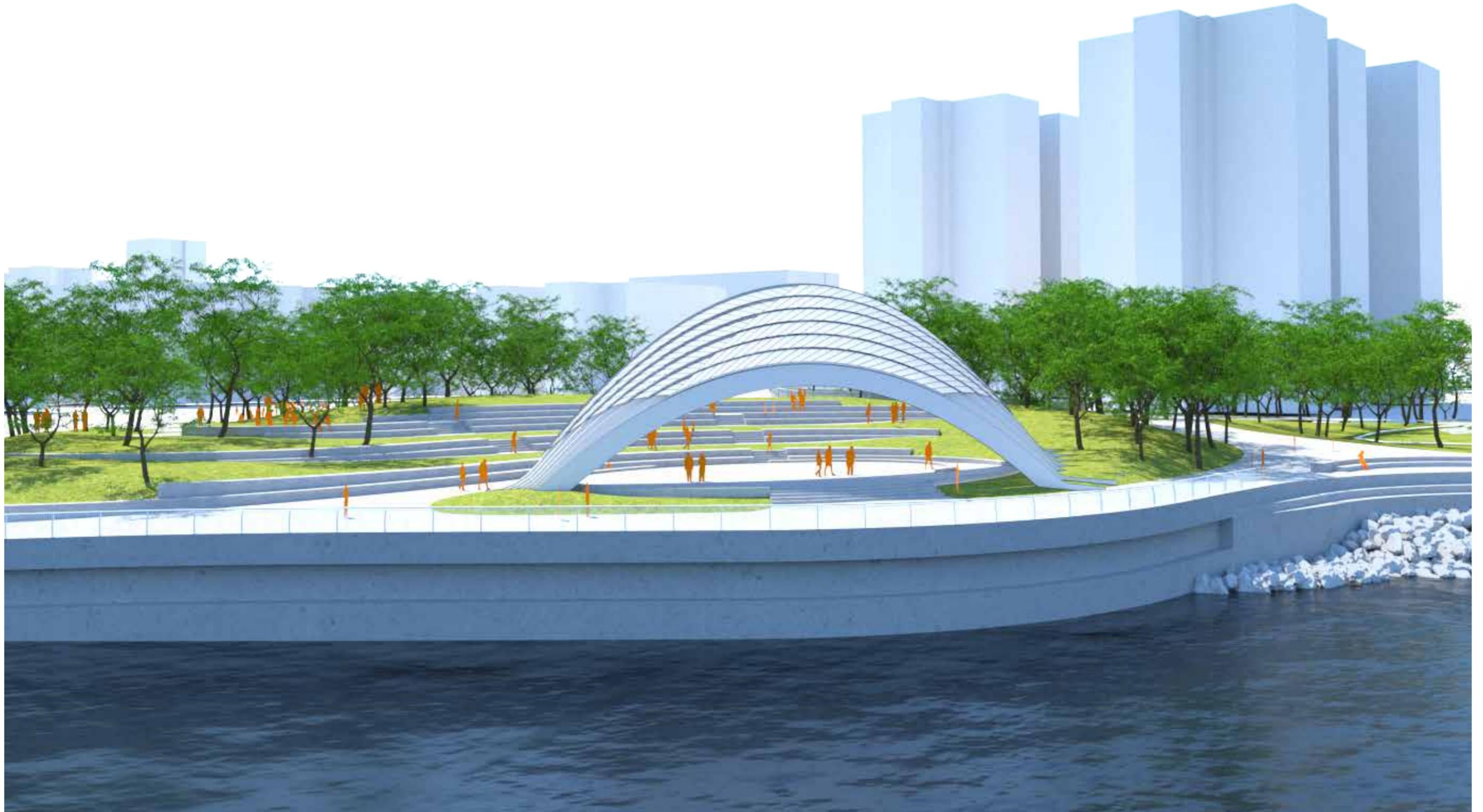
VIEW FROM ESPLANADE



VIEW FROM OVERFLOW SEATING

STRUCTURE

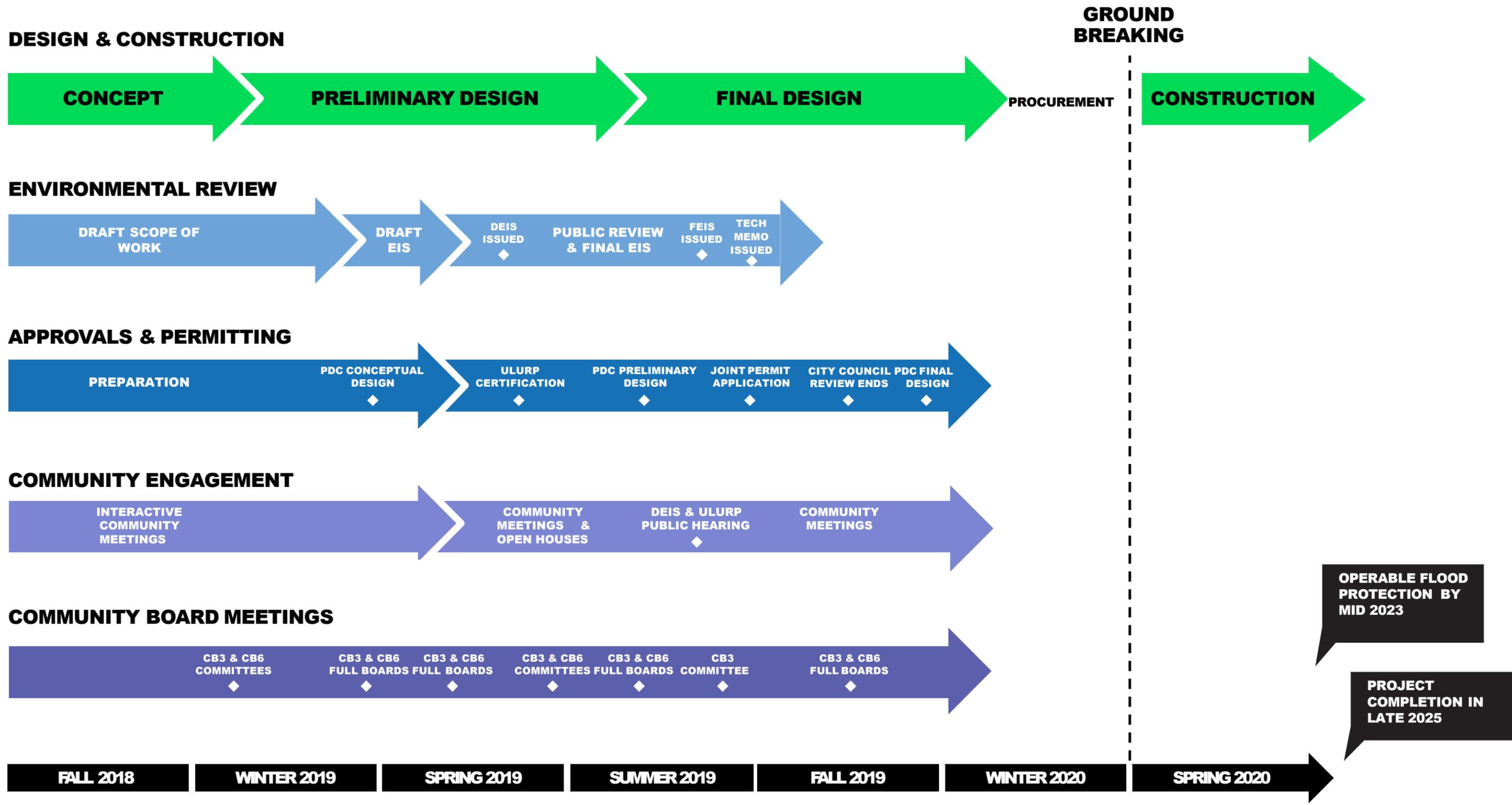
DESIGN IN PROGRESS



An aerial architectural rendering of a city waterfront development. The scene shows a dense urban area with various building heights and footprints. A prominent feature is a bridge crossing a body of water, with a suspension tower visible. Along the waterfront, there are several green spaces, including what appears to be a baseball field and other recreational areas. The entire image is overlaid with a semi-transparent teal color. The text 'PROJECT SCHEDULE AND CONSTRUCTION PHASING' is centered in the middle of the image in a bold, white, sans-serif font.

PROJECT SCHEDULE AND CONSTRUCTION PHASING

PROJECT SCHEDULE OVERVIEW



CONSTRUCTABILITY CONSIDERATIONS

IN PROGRESS - DRAFT FOR DISCUSSION ONLY

East River Park Construction Phasing Drivers:

- Location of underground sewer infrastructure
- Fill settling time required
- Pedestrian and construction vehicle access
- Constructing temporary pathways, drainage, etc.

Key Goals for Phasing:

- Complete flood protection structures by mid-2023
- Maximize public access to open space during construction



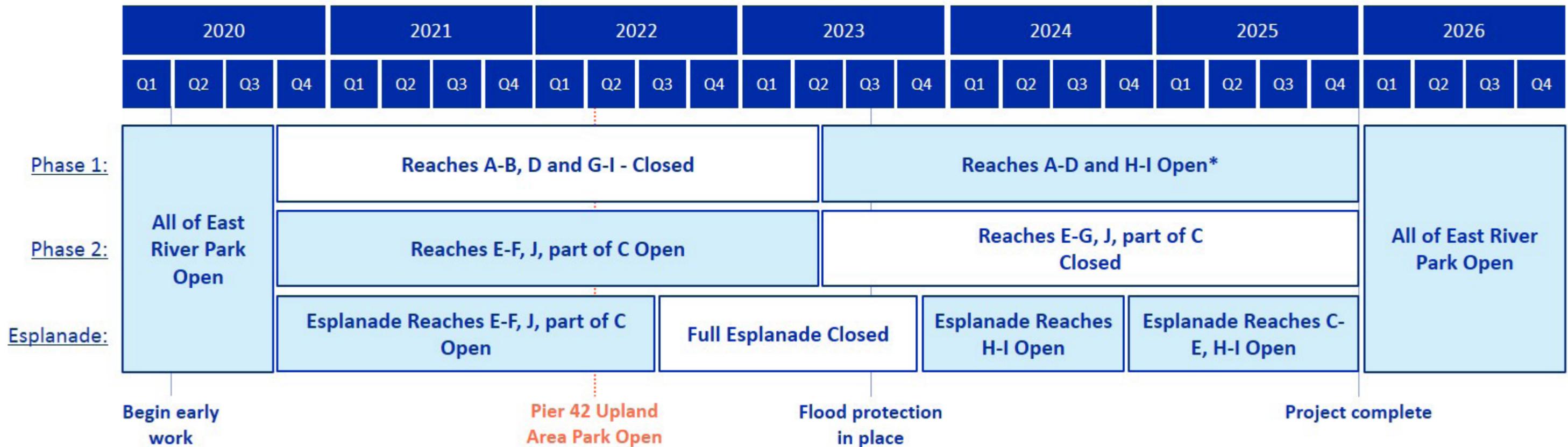
UPDATED PHASING

NO FULL EAST RIVER PARK CLOSURE

IN PROGRESS - DRAFT FOR DISCUSSION ONLY

Summary

- East River Park stays open for summer 2020, with some early construction packages beginning in March 2020
- 3/5 of East River Park will close in Fall 2020, while 2/5 remains open through summer 2022
- East River Park is never closed in its entirety (compared to 3.5 full years in baseline option)
- Esplanade is only fully closed for 1 year (compared to 3.5 full years in baseline option)
- 1/2 of East River Park will reopen in summer 2023
- Flood protection is completed in mid-2023, project completed at end of 2025

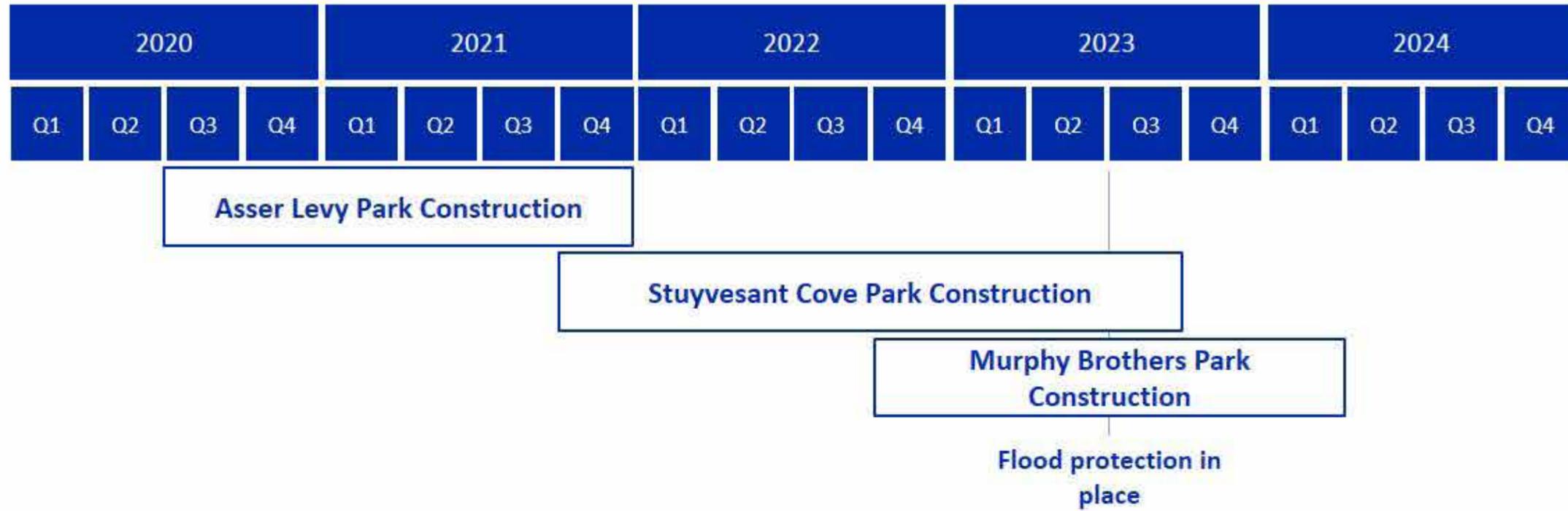


Note: Phasing analysis underway for other project components but are expected to fit within East River Park durations in all cases.

*Construction in the Houston Street Area (Reach G) continues until end of 2025. Within reopened reaches, esplanade to be closed to facilitate access and staging, and some landscaping components will remain to be completed in passive recreational areas.

CONSTRUCTION PHASING FOR PROJECT AREA 2

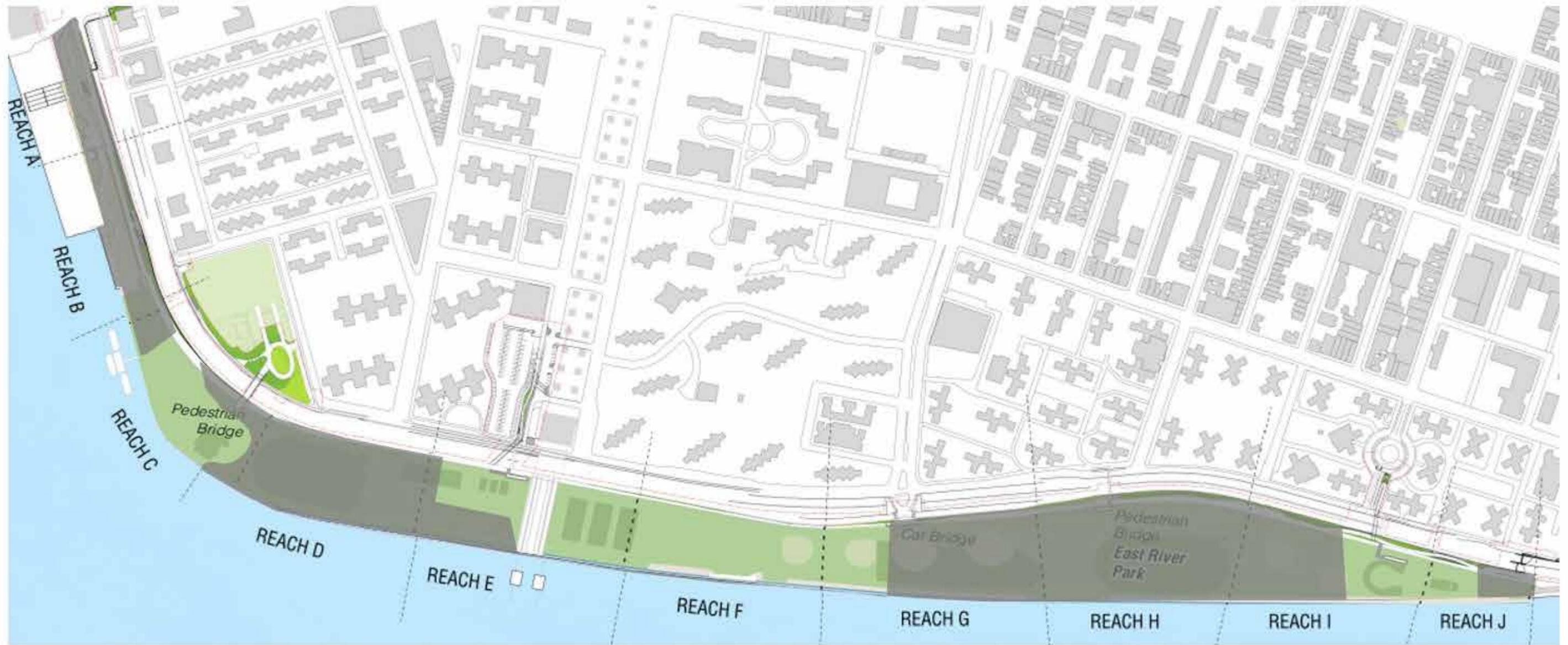
IN PROGRESS - DRAFT FOR DISCUSSION ONLY



CONSTRUCTION PHASING FOR EAST RIVER PARK

SUMMER 2021

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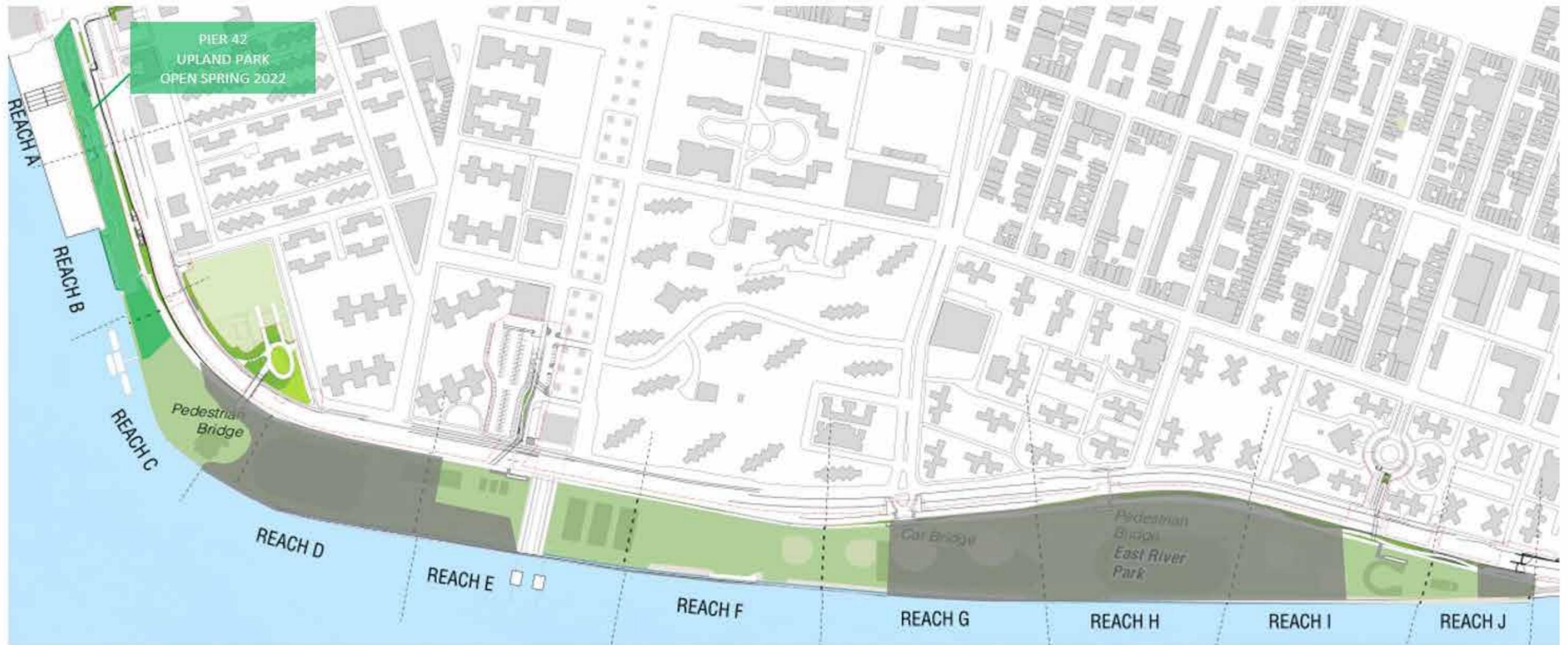
Closed Portions

East River Park Open Area: 42%

CONSTRUCTION PHASING FOR EAST RIVER PARK

SUMMER 2022

IN PROGRESS - DRAFT FOR DISCUSSION ONLY



Pier 42 Upland Open Area: 100%
East River Park Open Area: 42%

CONSTRUCTION PHASING FOR EAST RIVER PARK

SUMMER 2023

IN PROGRESS - DRAFT FOR DISCUSSION ONLY



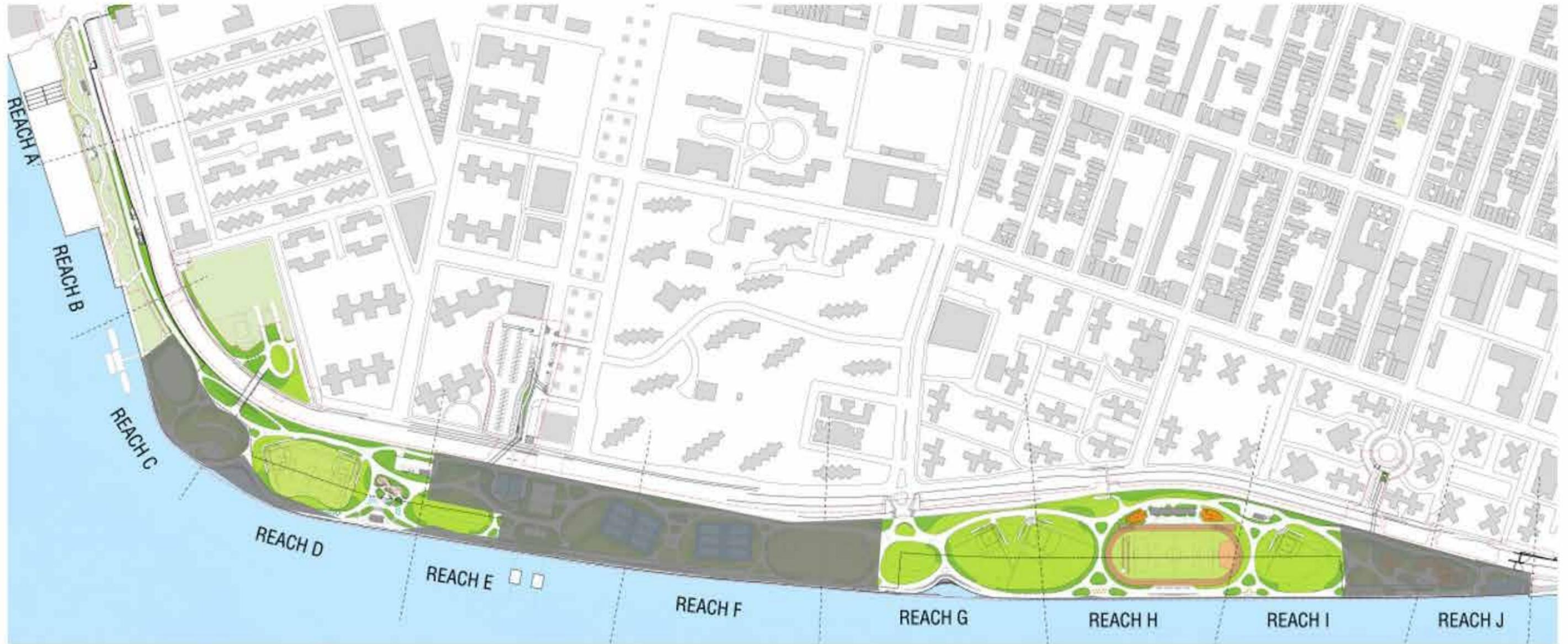
Closed Portions

Pier 42 Upland Open Area: 100%
East River Park Open Area: 53%

CONSTRUCTION PHASING FOR EAST RIVER PARK

SUMMER 2024

IN PROGRESS - DRAFT FOR DISCUSSION ONLY



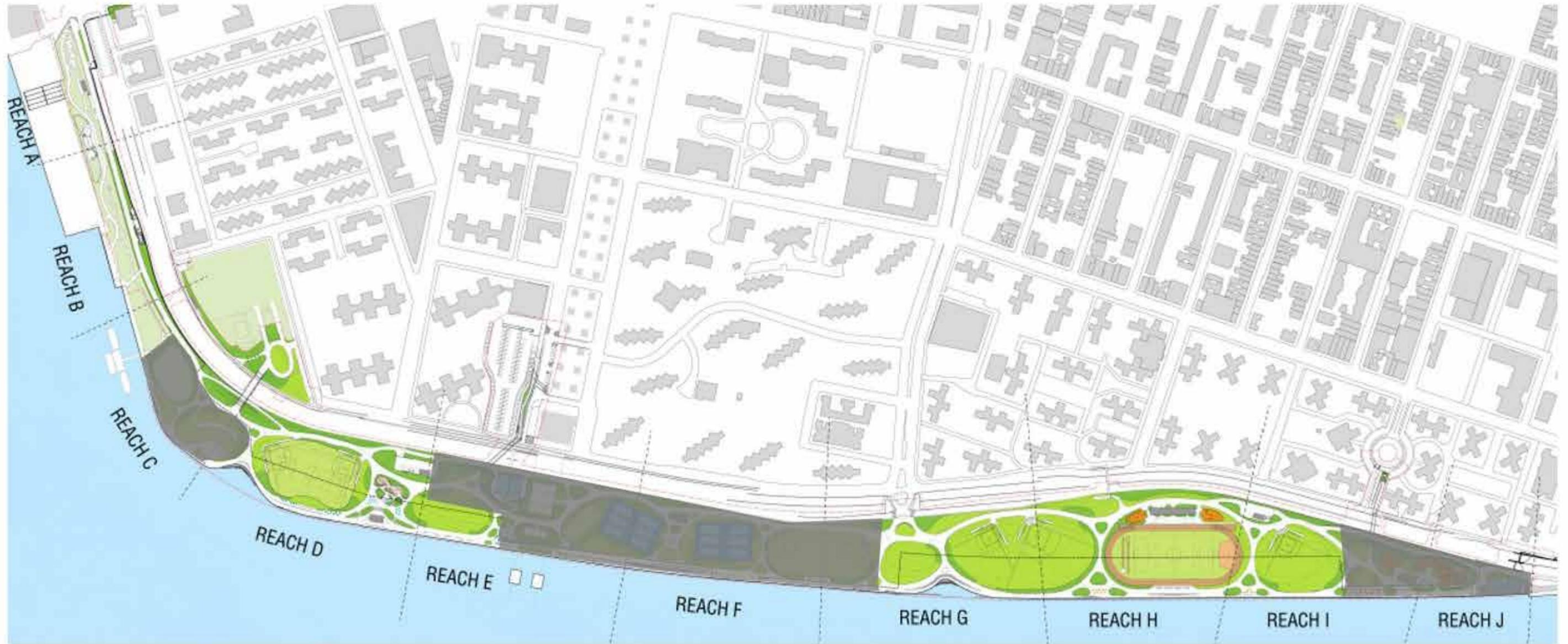
Closed
Portions

Pier 42 Upland Open Area: 100%
East River Park Open Area: 55%

CONSTRUCTION PHASING FOR EAST RIVER PARK

SUMMER 2025

IN PROGRESS - DRAFT FOR DISCUSSION ONLY



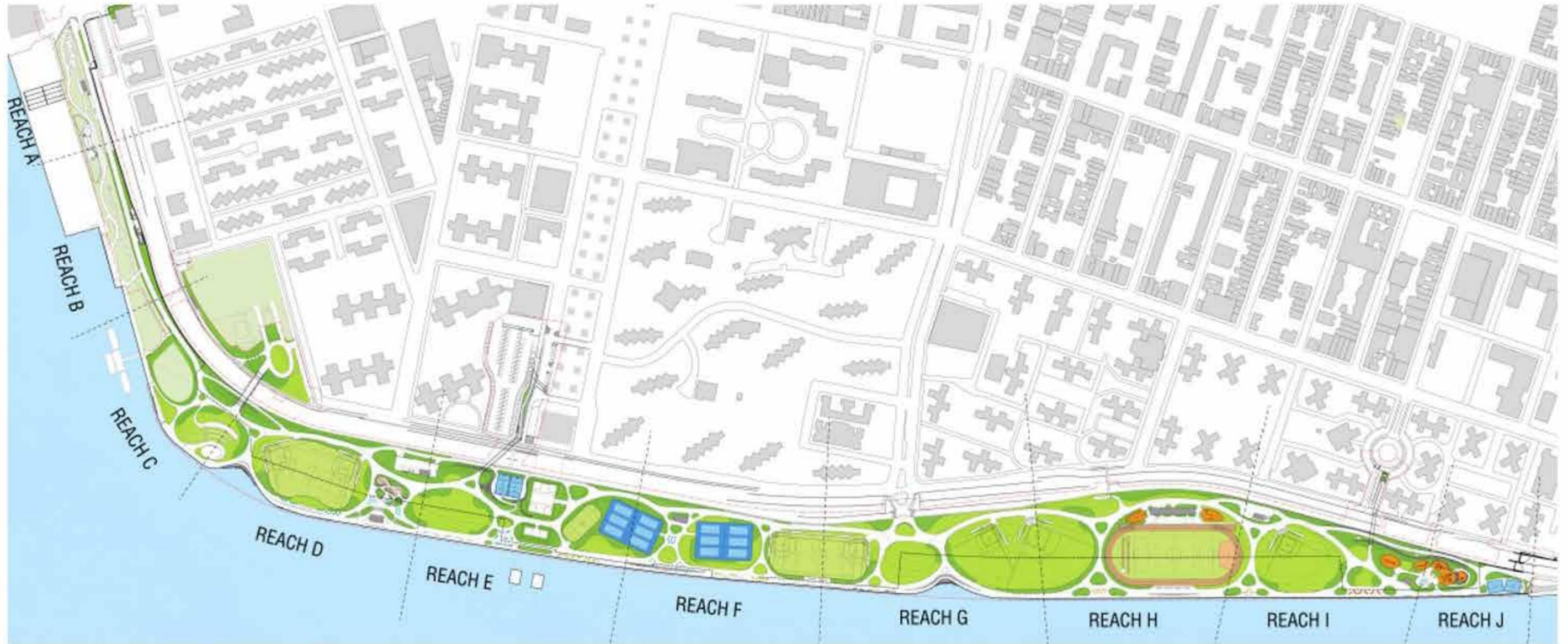
Closed Portions

Pier 42 Upland Open Area: 100%
East River Park Open Area: 56%

CONSTRUCTION PHASING FOR EAST RIVER PARK

END OF 2025

IN PROGRESS - DRAFT FOR DISCUSSION ONLY



Pier 42 Upland Open Area: 100%
East River Park Open Area: 100%

Website

NYC East Side Coastal Resiliency 311 Search all NYC.gov websites

NYC The East Side Coastal Resiliency Project

Español Translate Text-Size

Home Vision Background **Progress** Get Involved Resources Search

Final Environmental Impact Statement (FEIS) Now Available for Review and Comments

The East Side Coastal Resiliency Project

The East Side Coastal Resiliency (ESCR) Project is a coastal protection initiative, jointly funded by the City of New York and the federal government, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East 25th Street to Montgomery Street.

The ESCR Project is a priority of the City of New York as outlined in the 2015 *One New York: The Plan for a Strong and Just City* and by the innovative Rebuild by Design competition sponsored by the U.S. Department of Housing and Urban

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