

# East Side Coastal Resiliency

Stuyvesant Town-Peter Cooper Village  
Tenants Association Meeting

March 26, 2019

Podell Auditorium, Mount Sinai Beth Israel  
10 Nathan D. Perlman Place





An aerial photograph of a city, likely New York City, showing a large body of water (the Hudson River) and a multi-lane highway (the George Washington Bridge) crossing it. The image is overlaid with a semi-transparent teal color. The text is white and bold, positioned in the upper left and center of the image.

# **AGENDA**

**PROJECT SCHEDULE**

**DESIGN PROGRESS**

**CIRCULATION / VIEWS**

**DRAINAGE IMPROVEMENTS**

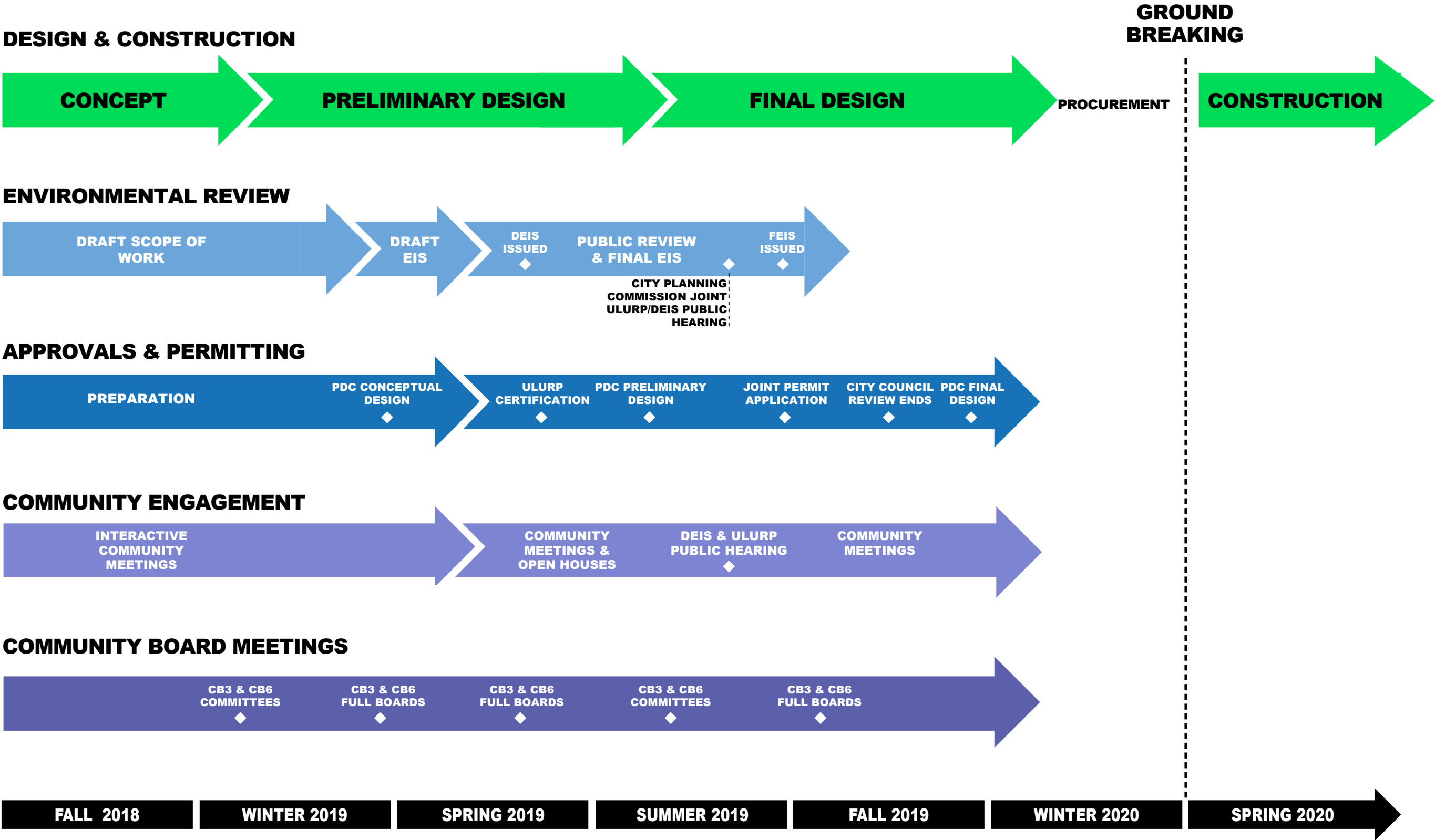


An aerial, isometric-style illustration of a cityscape. A multi-lane highway curves from the bottom left towards the top right. To the left of the highway is a dense cluster of rectangular buildings of varying heights. To the right of the highway is a body of water with several boats and a small pier. In the bottom left corner, there is a small park area with trees and a sports field. The entire image has a teal/cyan color overlay.

# PROJECT SCHEDULE

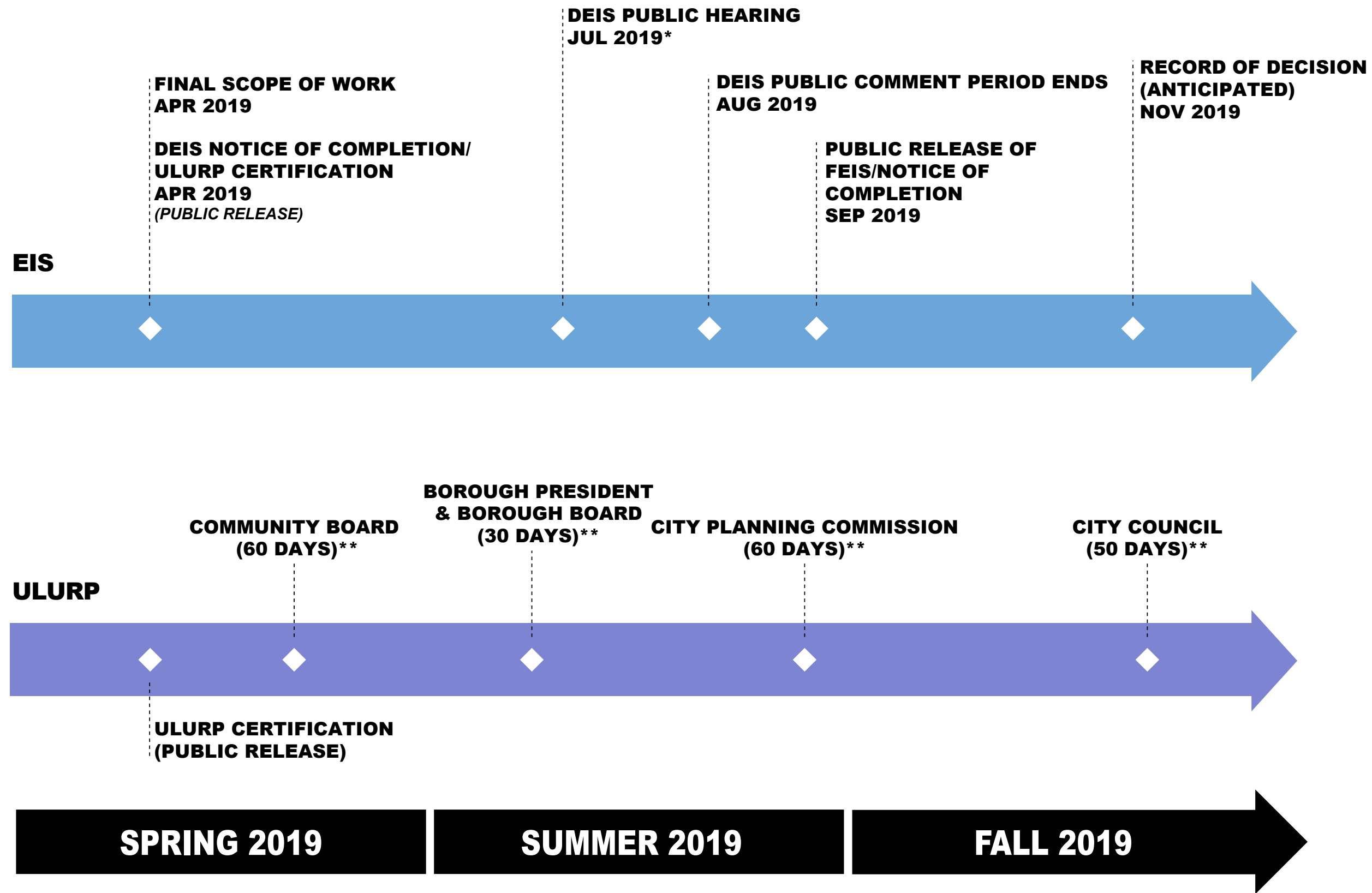


# CONSTRUCTION & COMMUNITY ENGAGEMENT TIMELINE





# PRELIMINARY ENVIRONMENTAL REVIEW SCHEDULE

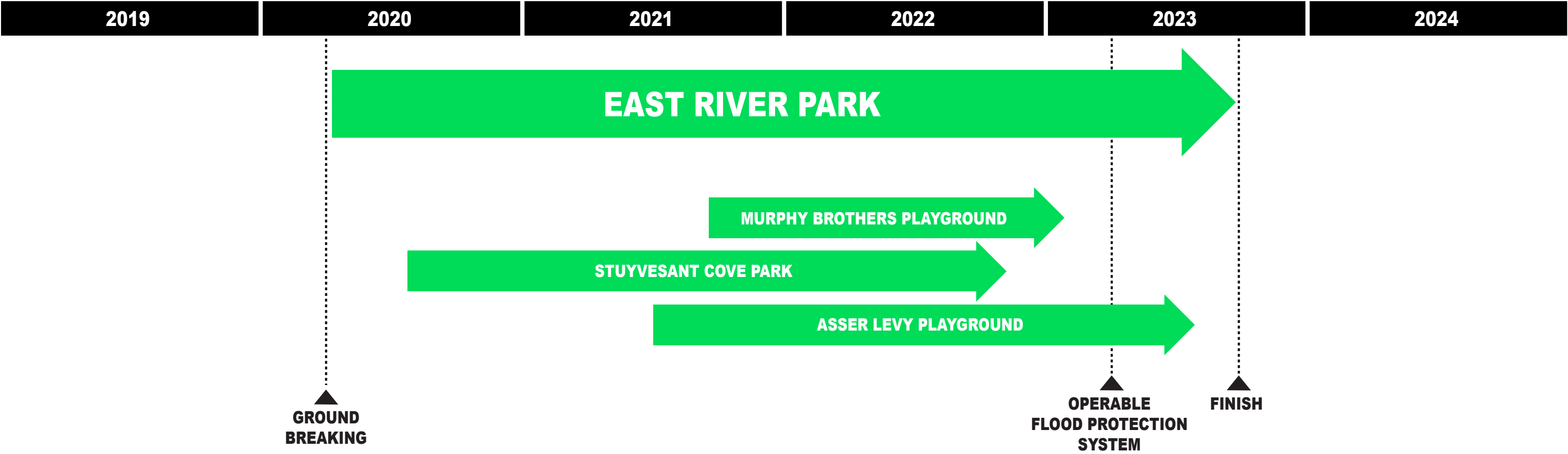


\* DEIS COMMENT PERIOD EXTENDS 15 DAYS AFTER PUBLIC HEARING  
\*\* INCLUDES PUBLIC HEARING



# IMPROVED SCHEDULE

OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON





An aerial, isometric-style illustration of a cityscape, heavily overlaid with a semi-transparent teal color. A multi-lane highway runs diagonally from the bottom left towards the top right, following the curve of a river. The city is composed of numerous rectangular blocks of varying heights, representing buildings. In the bottom left, there's a small park area with green grass, trees, and a basketball court. Several boats are visible on the river. The overall aesthetic is modern and architectural.

# DESIGN PROGRESS



# OVERALL PROJECT AREA

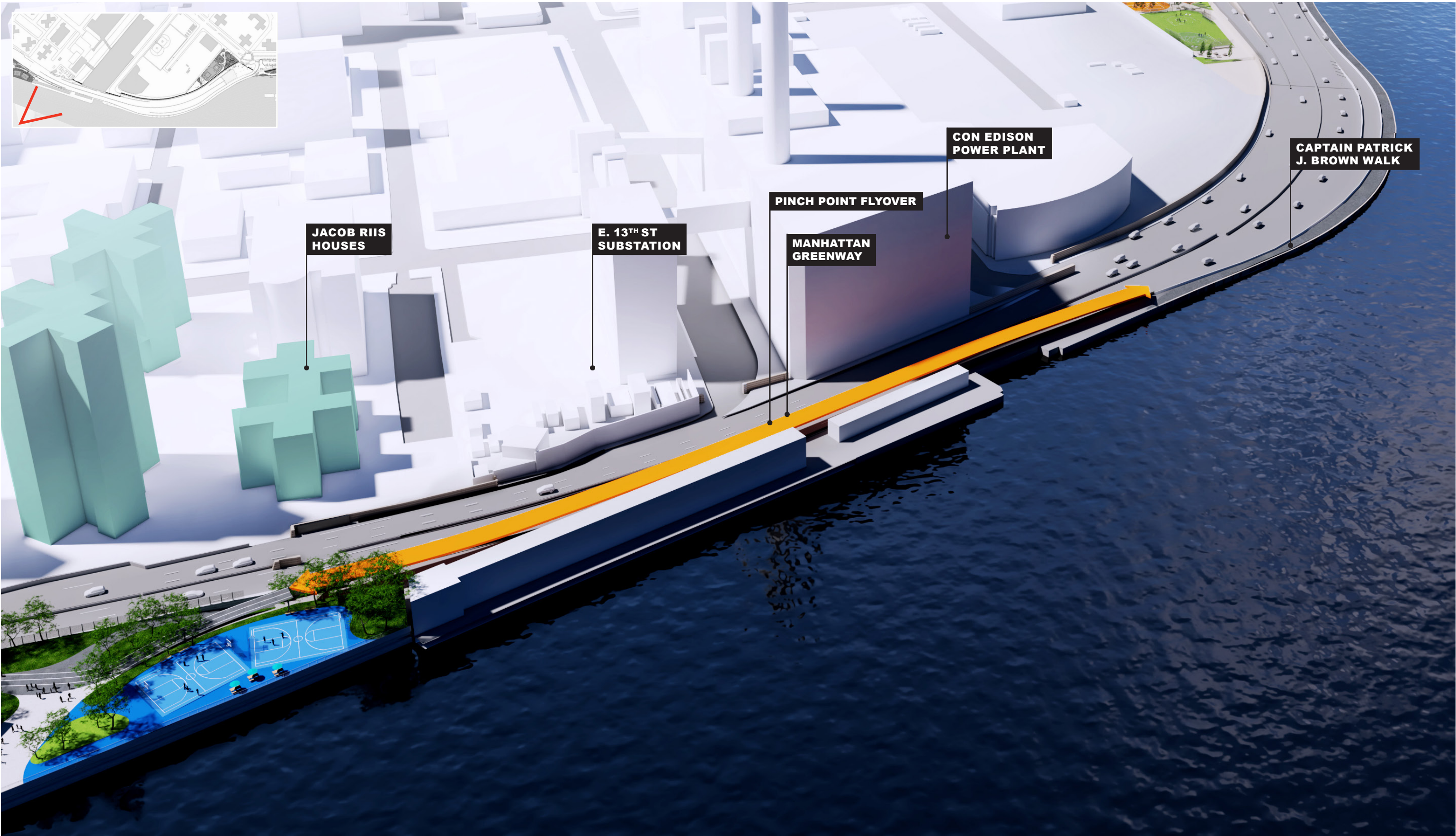
PROJECT AREA 1 AND 2





# PINCH POINT FLYOVER BRIDGE

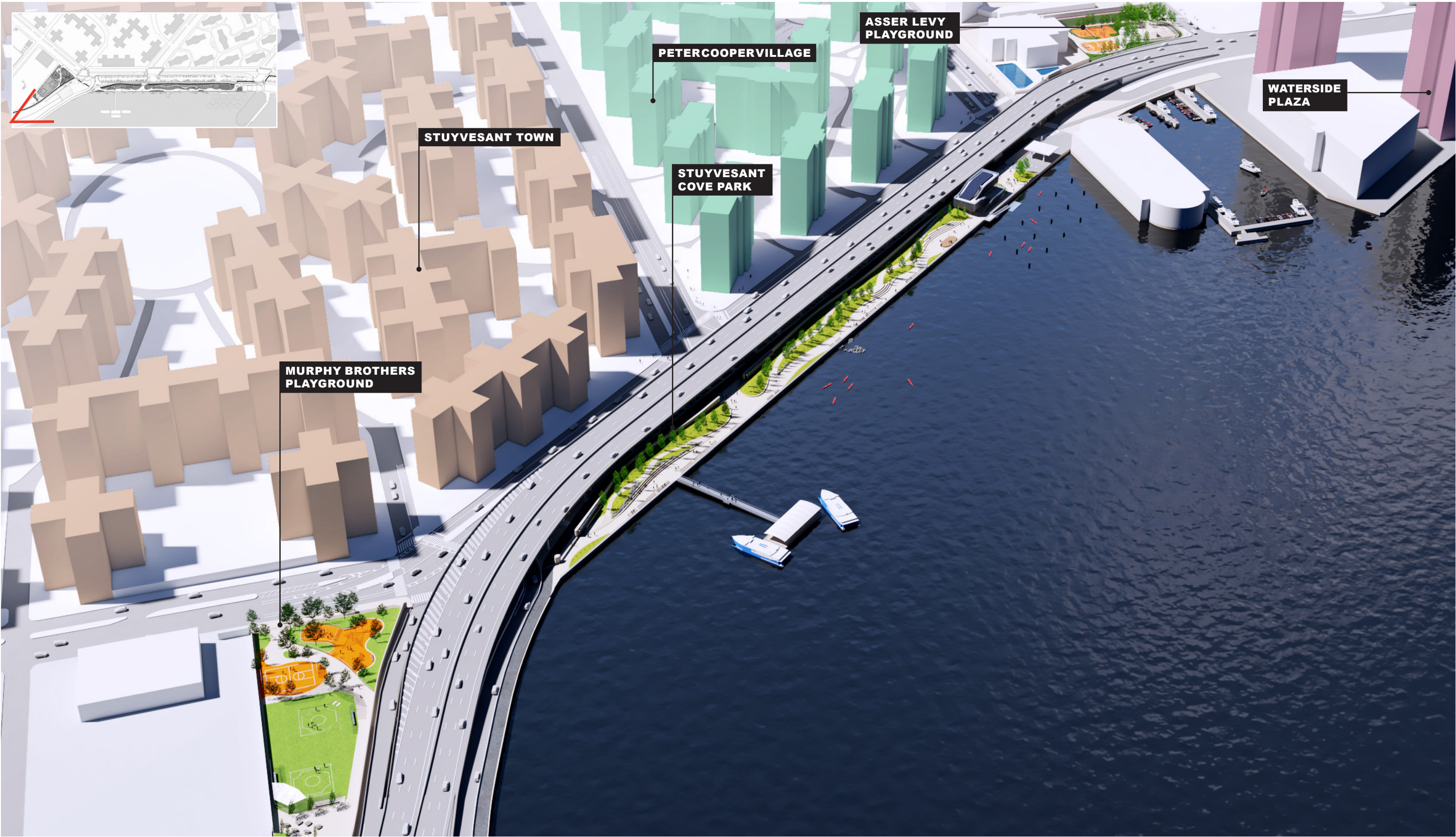
AERIAL VIEW





# PROJECT AREA 2 PARKS

PRELIMINARY DESIGN





# MURPHY BROTHERS PLAYGROUND

EXISTING CONDITIONS





# MURPHY BROTHERS PLAYGROUND

PRELIMINARY DESIGN





# MURPHY BROTHERS PLAYGROUND

PRELIMINARY DESIGN





# STUYVESANT COVE PARK

EXISTING CONDITIONS





# STUYVESANT COVE PARK

PRELIMINARY DESIGN





# STUYVESANT COVE PARK - EAST 18TH STREET

PRELIMINARY DESIGN





# STUYVESANT COVE PARK - 20TH STREET ENTRY

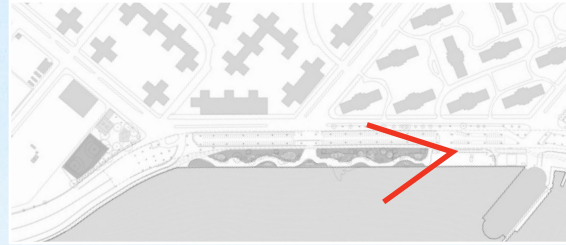
PRELIMINARY DESIGN





# STUYVESANT COVE PARK

EXISTING CONDITIONS





# STUYVESANT COVE PARK

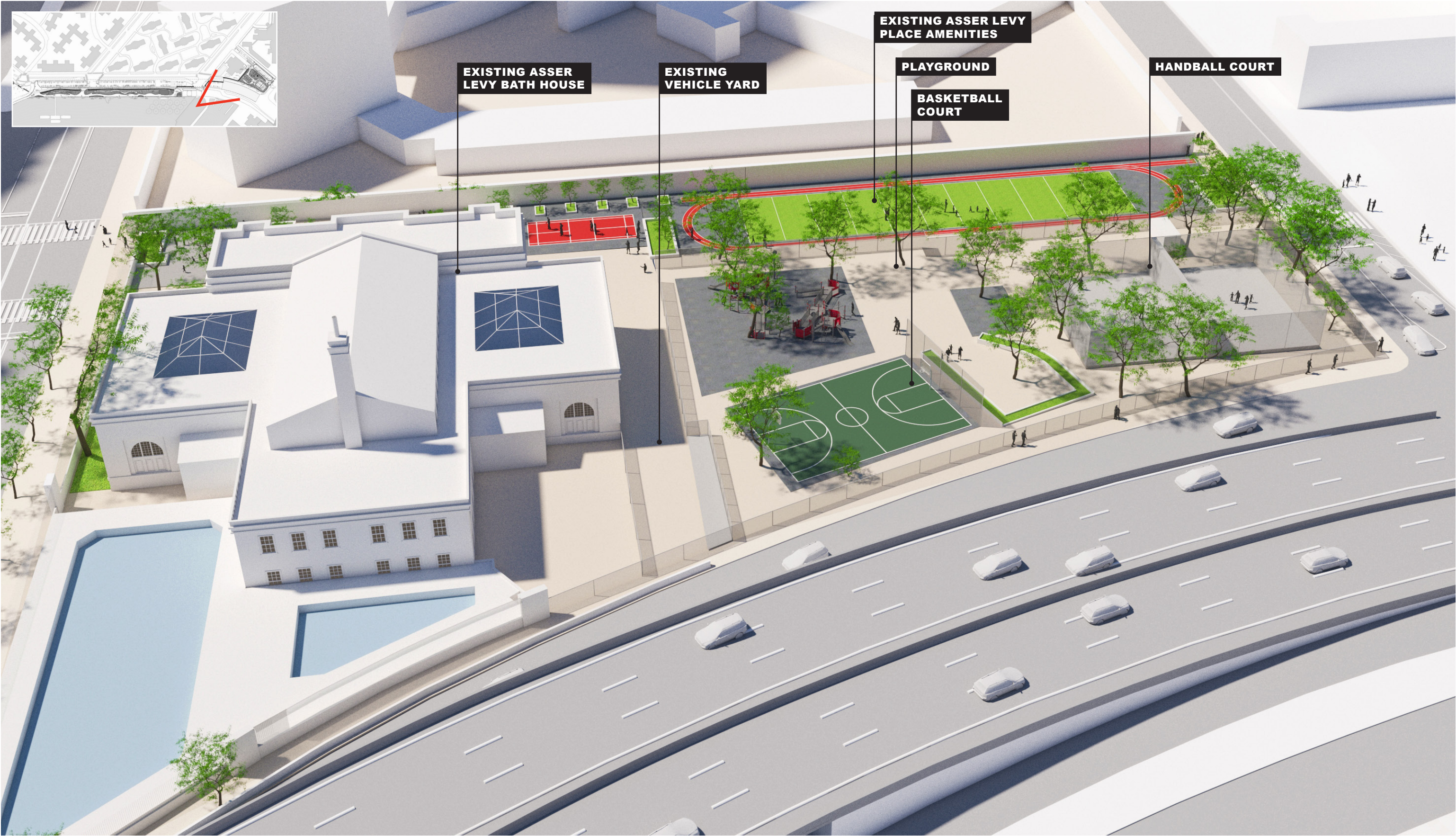
PRELIMINARY DESIGN





# ASSER LEVY PLAYGROUND

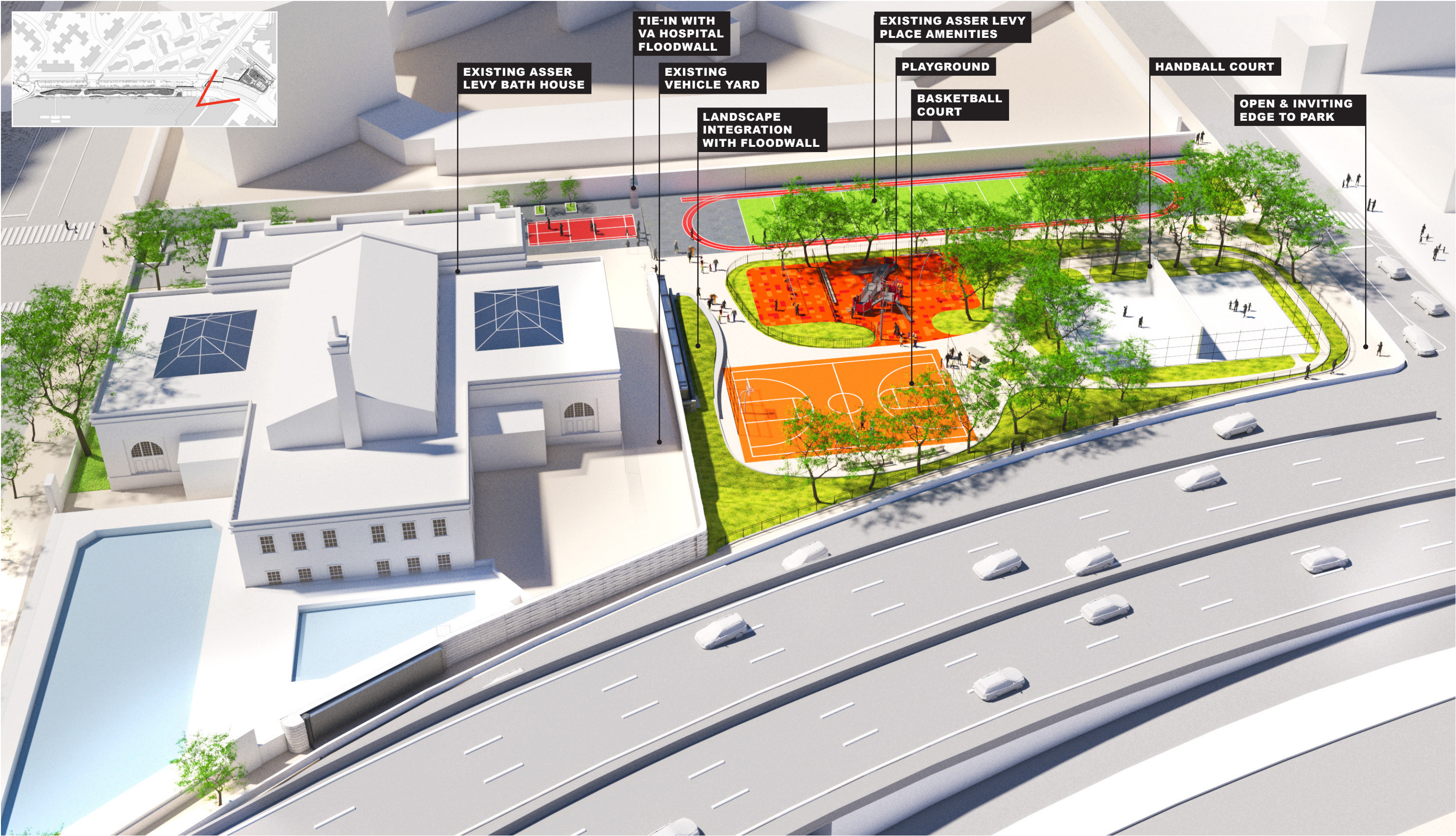
EXISTING CONDITIONS





# ASSER LEVY PLAYGROUND

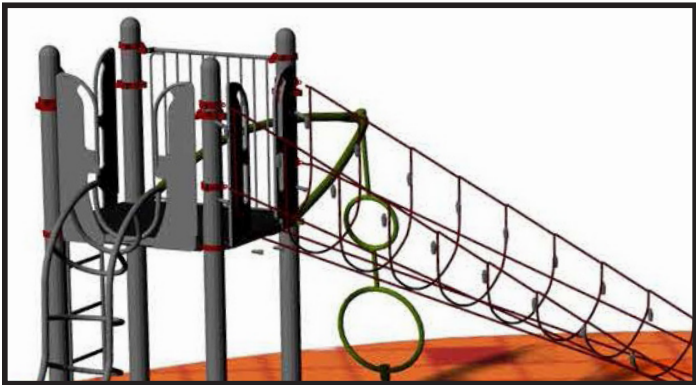
PRELIMINARY DESIGN





# RESILIENT PLAYGROUND FEATURES

## SITE STRATEGY



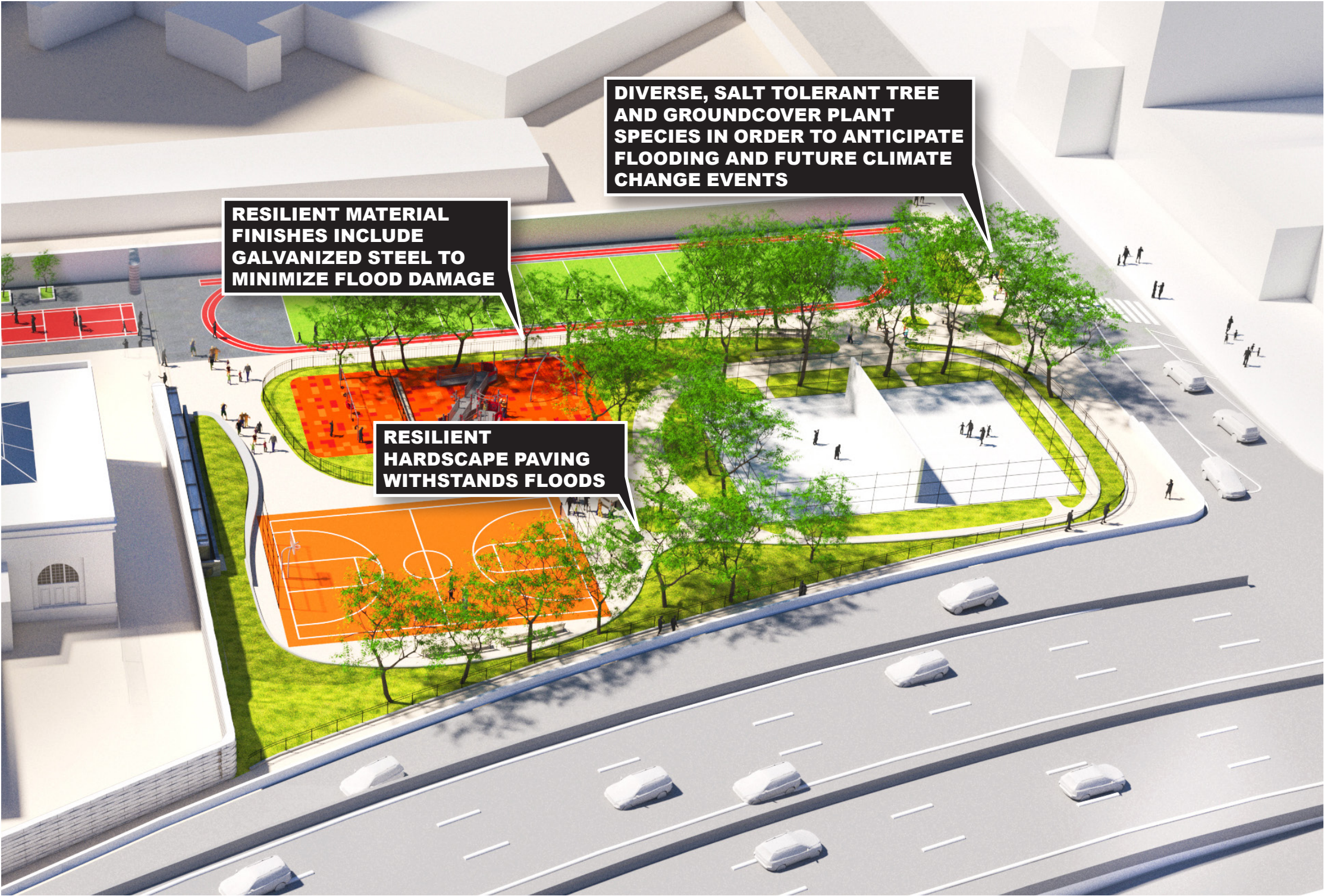
MATERIAL FINISHES



PLANTING



HARDSCAPE





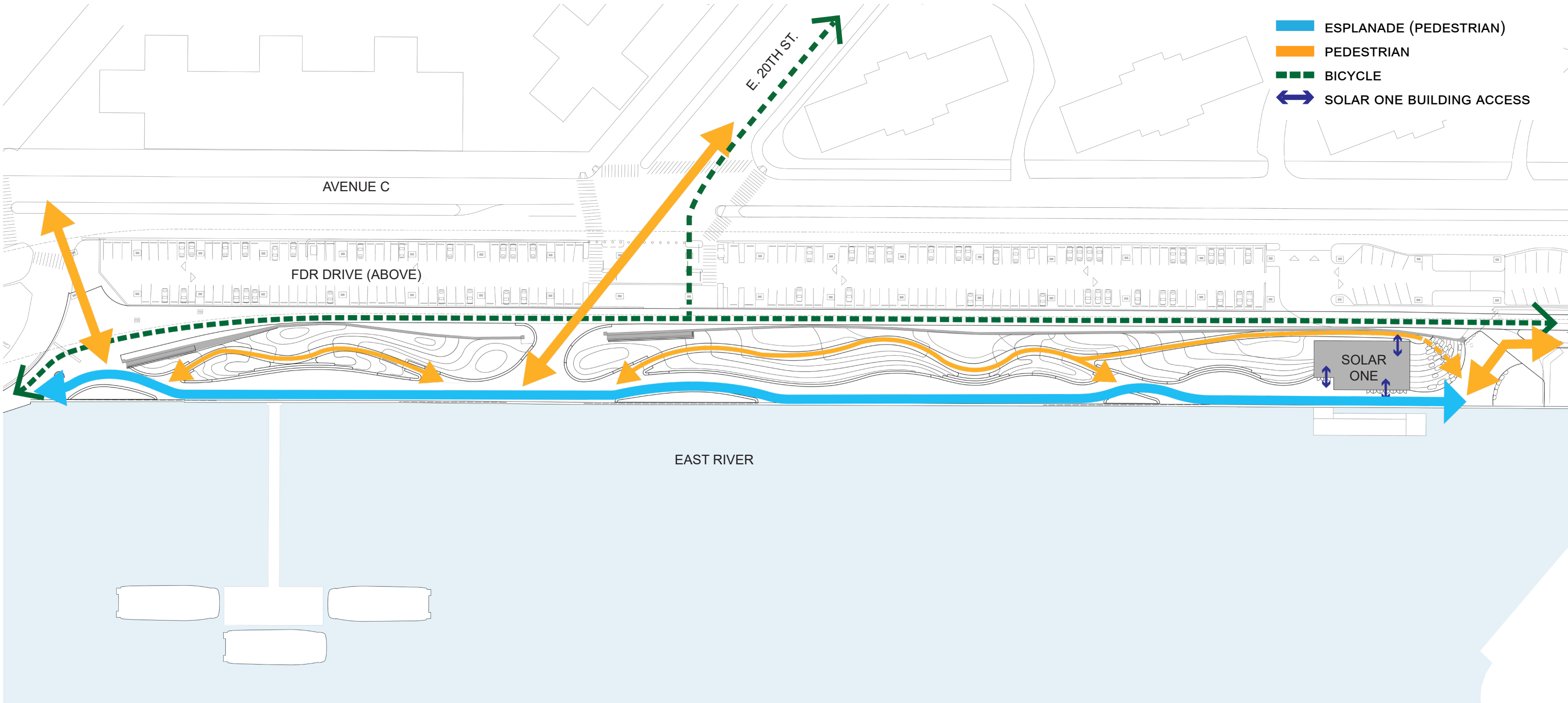
An aerial, isometric-style illustration of a cityscape. A multi-lane highway curves from the bottom left towards the top right. To the left of the highway is a dense grid of rectangular buildings. To the right is a body of water with several boats and a small pier. In the bottom left, there's a small park area with trees and a sports field. The entire image has a teal/cyan color overlay.

# **CIRCULATION / VIEWS**



# CIRCULATION / VIEWS

## PARK PATHS - POST CONSTRUCTION



- LEGEND**
- ESPLANADE (PEDESTRIAN)
  - PEDESTRIAN
  - BICYCLE
  - SOLAR ONE BUILDING ACCESS





# AVENUE C AND FDR ON-RAMP

EXISTING CONDITIONS





# AVENUE C AND FDR ON-RAMP

PRELIMINARY DESIGN





# STUYVESANT COVE PARK - 20TH STREET GATE

PRELIMINARY DESIGN





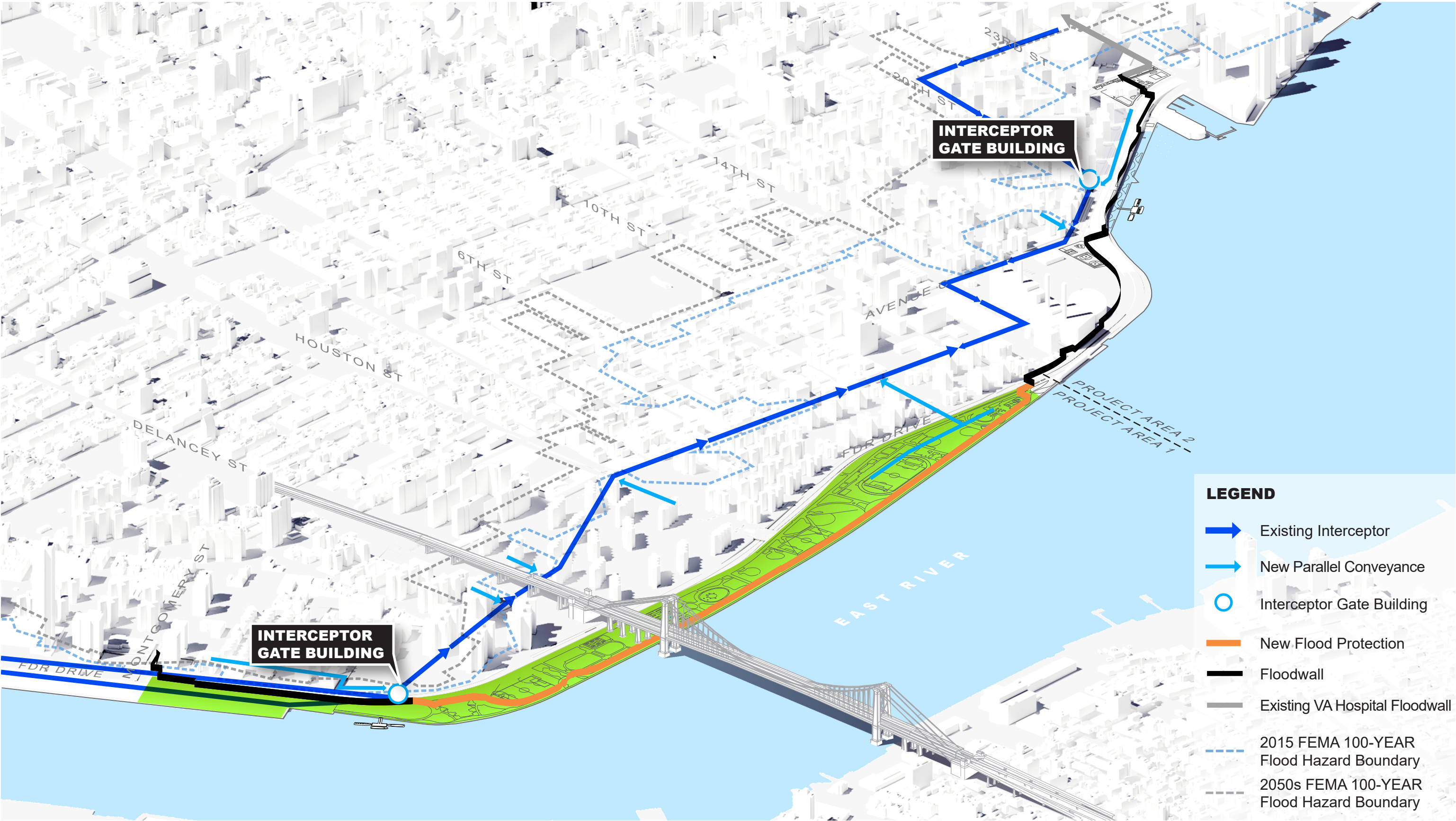
An aerial photograph of a city, likely San Francisco, showing a multi-lane highway (Golden Gate Bridge) crossing a body of water. The image is heavily stylized with a teal/cyan color overlay and a semi-transparent grid pattern. The text "DRAINAGE IMPROVEMENTS" is centered in white, bold, sans-serif font.

# **DRAINAGE IMPROVEMENTS**



# IMPROVED DRAINAGE

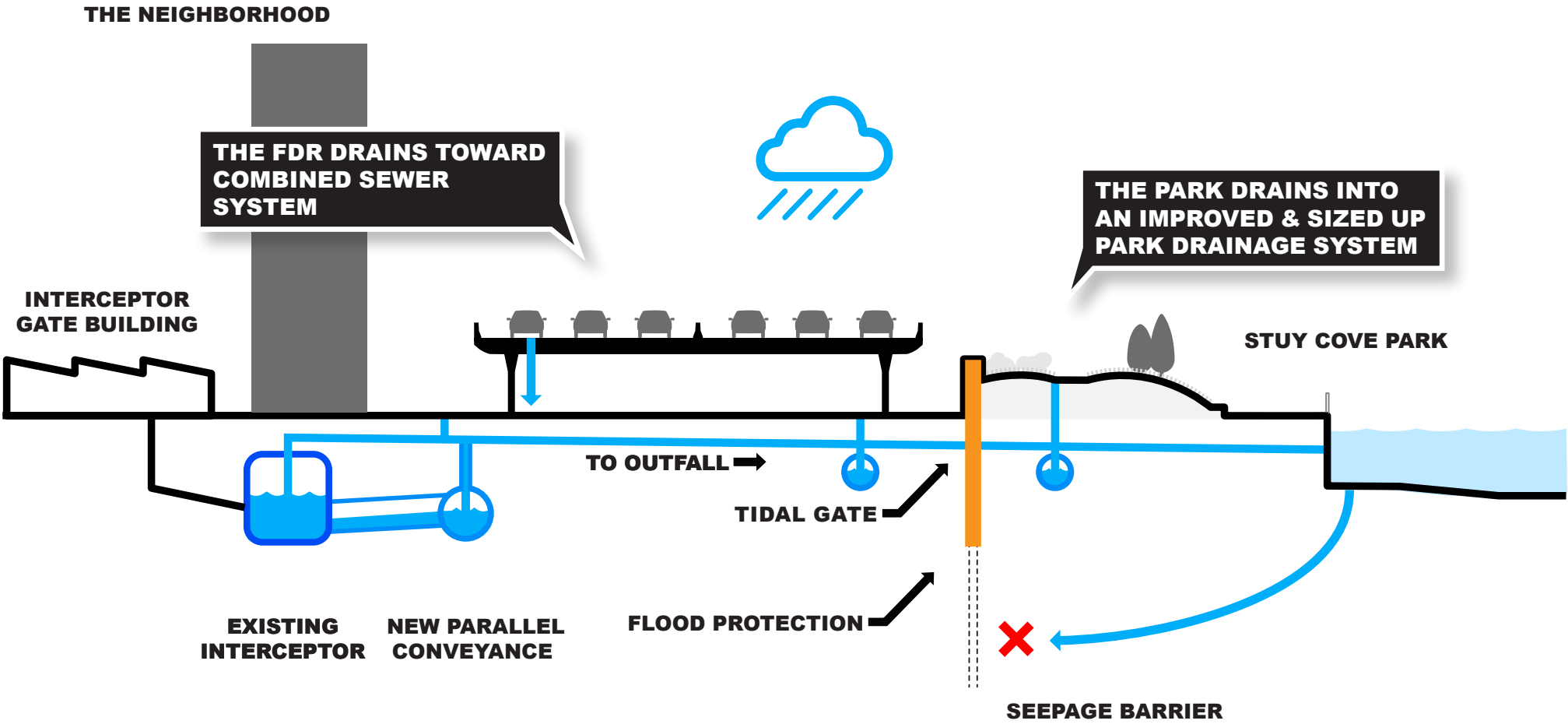
## FULL SITE STRATEGY





# PARK & FDR DRAINAGE

RAINWATER COLLECTED AT MULTIPLE POINTS BETWEEN PARK & FDR





# **IMPROVED DRAINAGE**

## **INTERCEPTOR GATE AND BUILDING SITING DESIGN CRITERIA**

### **Design Criteria for Below Grade Interceptor Gate**

- **Must be located inline with the existing interceptor sewer**
- **Sufficient vertical clearance above the interceptor to grade**
- **Sufficient space near chamber for an above grade building**
- **Must be upstream of any connections from protected area and downstream of any connections from unprotected area**

### **Design Criteria for Building**

- **Located near the Interceptor Gate, as building contains electrical, hydraulic, and mechanical support system for the interceptor gate**
- **Located above grade so that it can be accessed easily by DEP operations personnel on a regular basis**
- **Sufficient area for operations and maintenance vehicle access**



# IMPROVED DRAINAGE

## NORTH INTERCEPTOR GATE CHAMBER BUILDING

### EAST 20TH STREET SERVICE ROAD NEAR AVENUE C

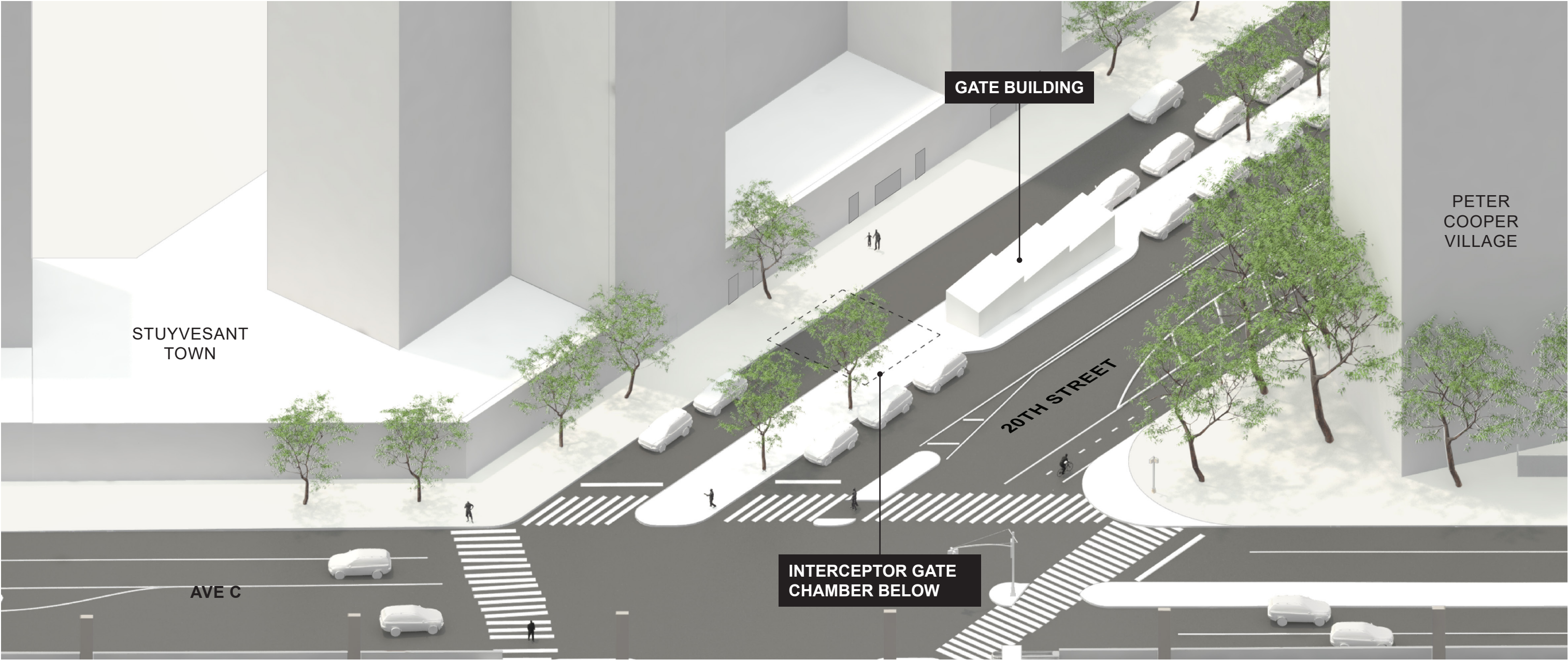
- Meets all required siting criteria
- Co-locates parallel conveyance connection and interceptor gate, which provides construction cost and schedule efficiencies and minimizes area of disturbance
- Can accommodate the interceptor gate building on the median adjacent to the chamber
- Locating gate chamber in service road limits disturbance to traffic during both construction and routine maintenance operations





# IMPROVED DRAINAGE

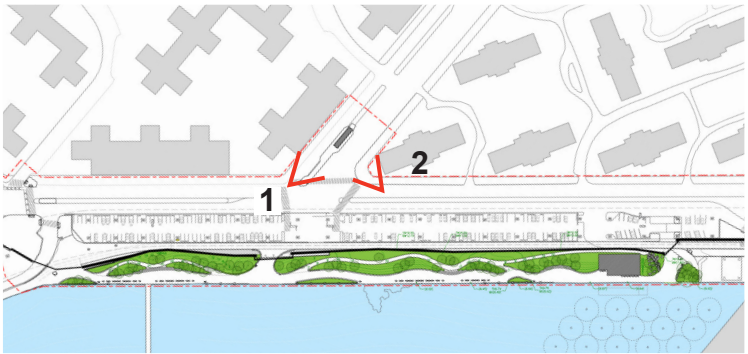
## NORTH INTERCEPTOR GATE CHAMBER BUILDING





# DRAINAGE INFRASTRUCTURE

## NORTH INTERCEPTOR GATE CHAMBER BUILDING



Site Rendering  
View From East 20th Street Sidewalk

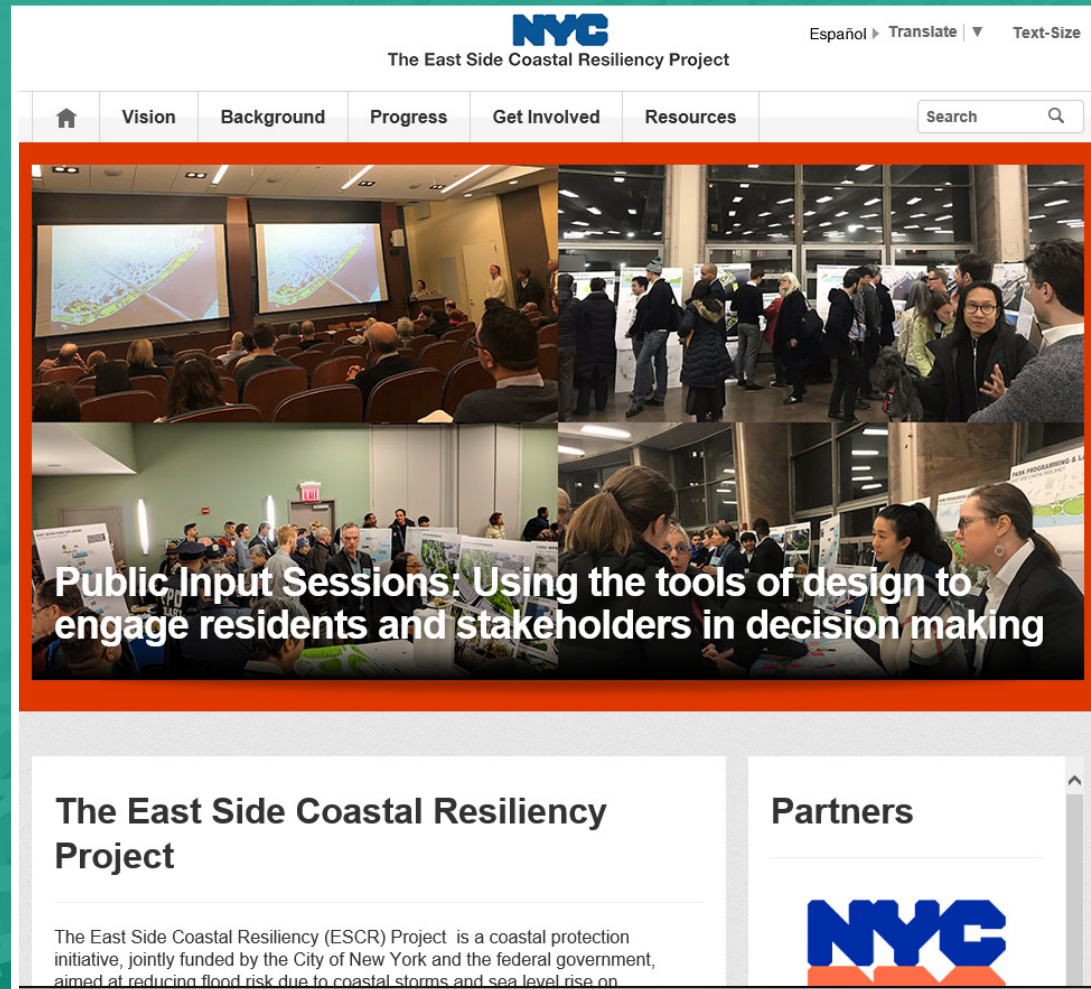


Site Rendering  
View From North

//// Open space and stormwater improvement opportunity area



# Website



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