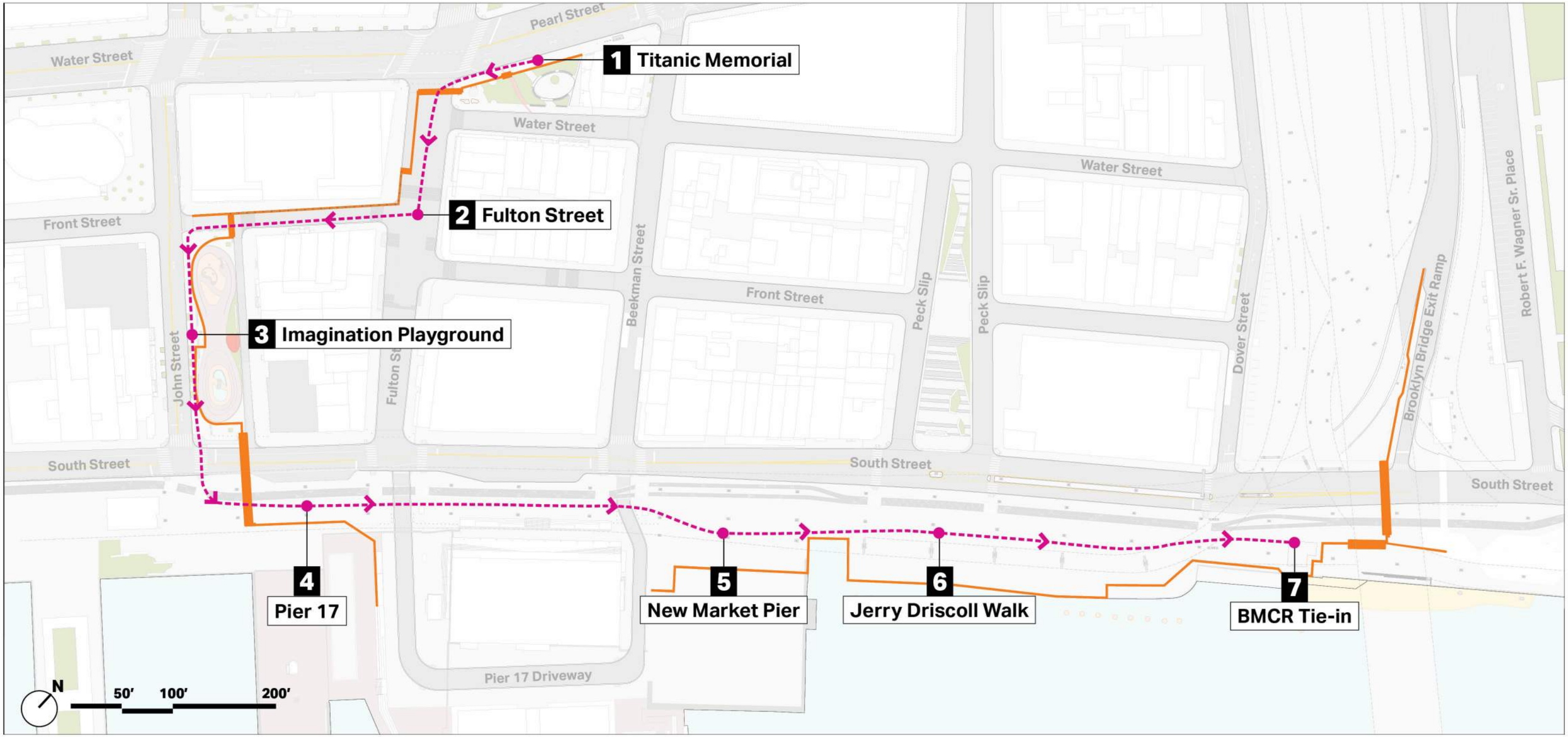
SEAPORT
Coastal Resilience

Community Walkshop 2
May 14th 2025

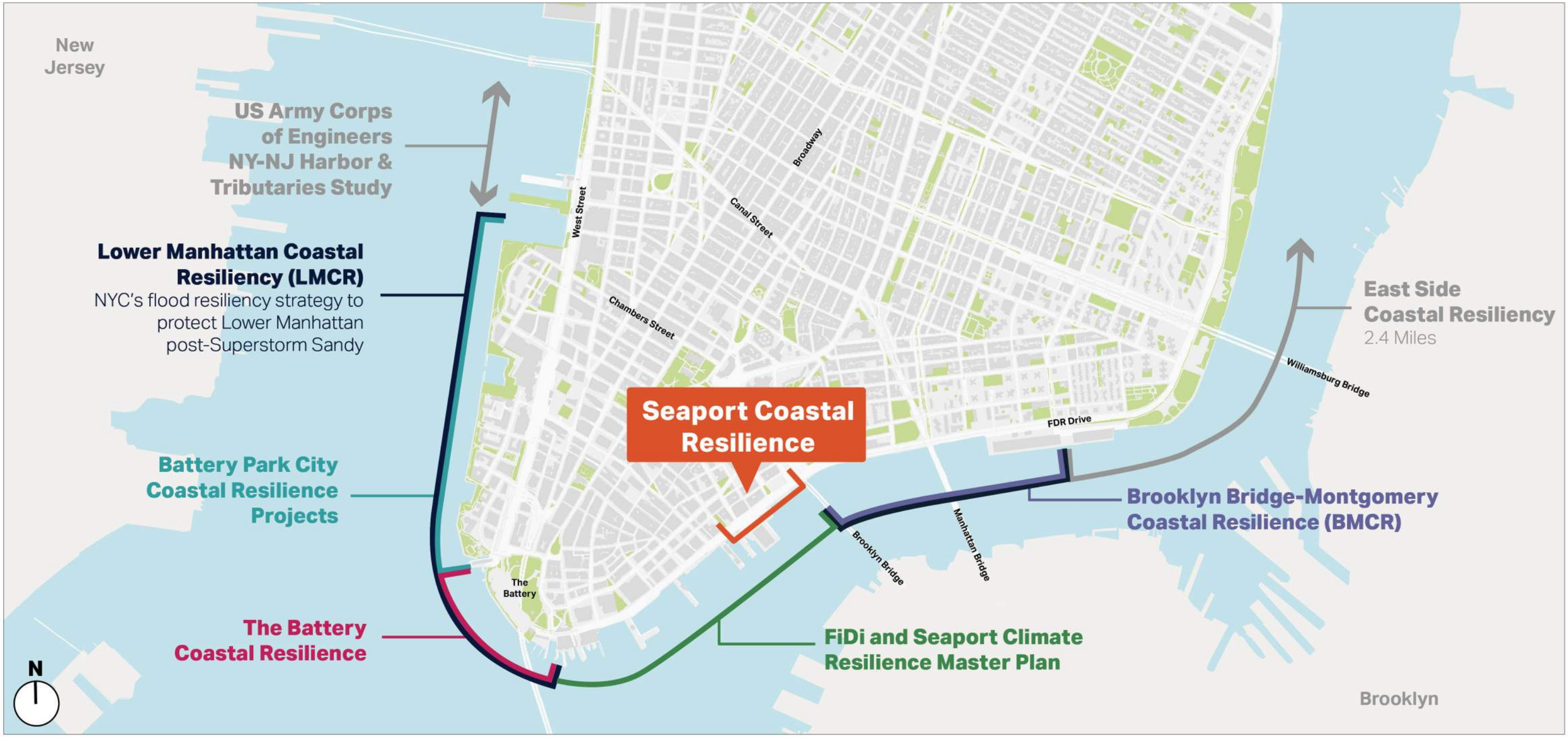
NYC EDC

AECOM

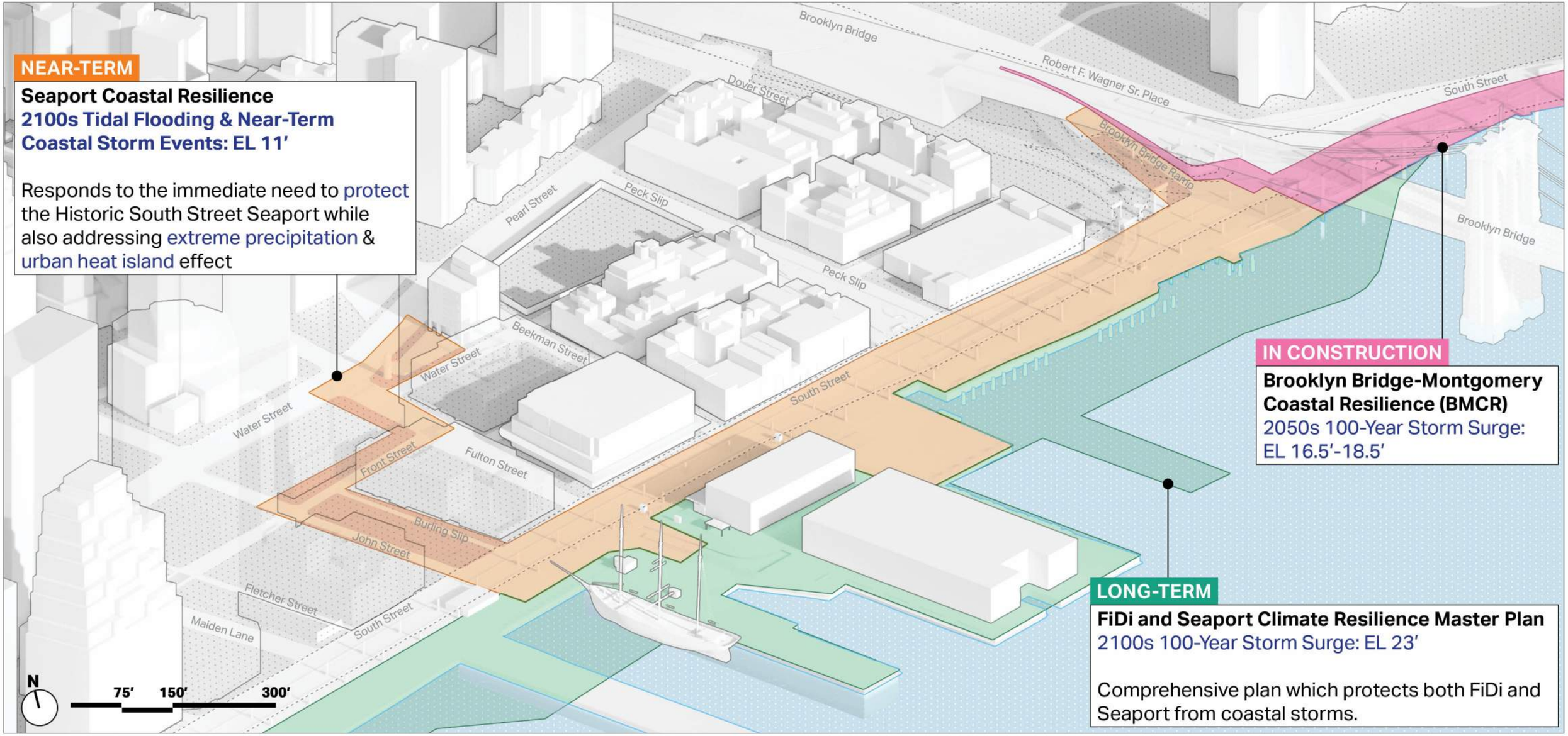
Walking Route



Lower Manhattan Coastal Resiliency (LMCR)



How does Seaport Coastal Resilience compare to other resilience projects?



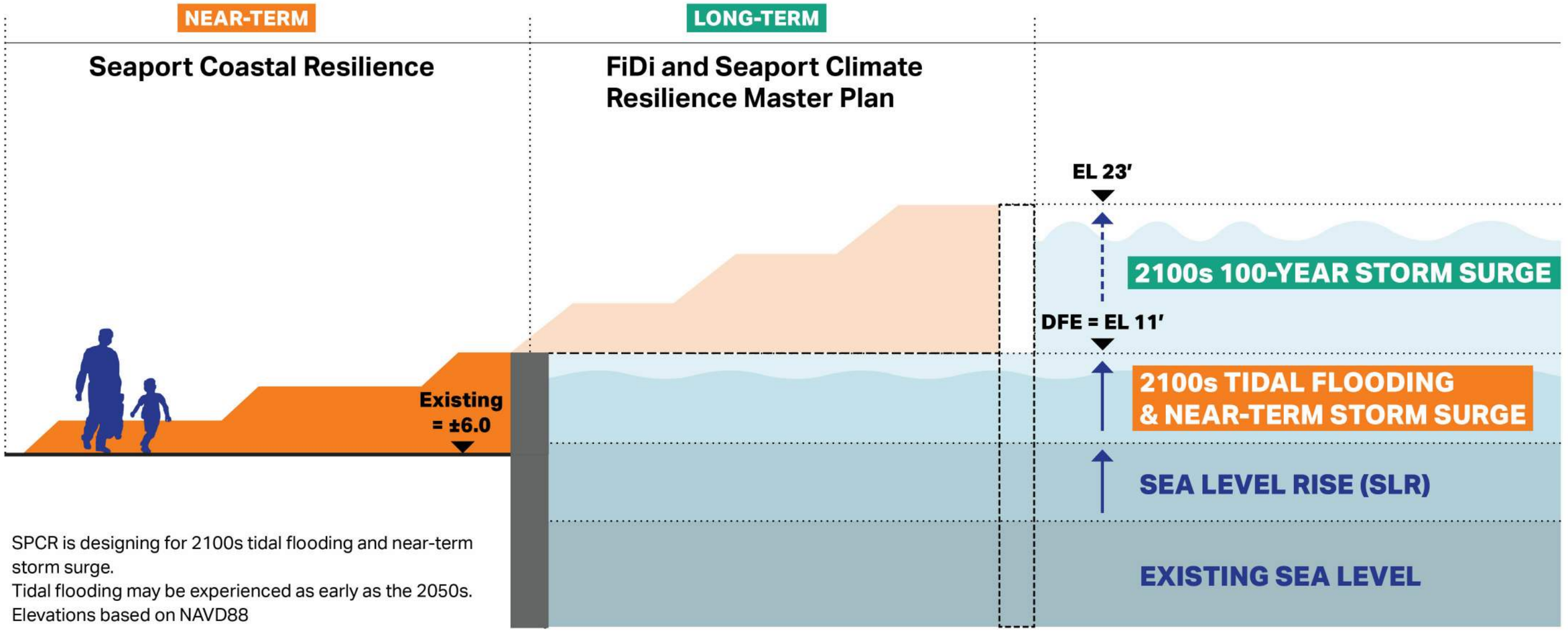
What is Seaport Coastal Resilience?

Seaport Coastal Resilience (SPCR) is a flood mitigation project that will provide resilience against future flooding events in the historic South Street Seaport neighborhood.

PROJECT GOALS

- Achieve a Design Flood Elevation (DFE) of 11ft NAVD88 to protect against 2100s tidal flooding (caused by sea level rise) and near-term coastal storm events
- Address extreme precipitation & urban heat island effect
- Maintain pedestrian access
- Recognize & celebrate historic character

Design Flood Elevation (DFE)



SPCR is designing for 2100s tidal flooding and near-term storm surge.
Tidal flooding may be experienced as early as the 2050s.
Elevations based on NAVD88

Community Engagement Recap | What did we hear?

Greenery and canopies to **provide shade from the sun**

Dedicated & improved **maintenance of the public realm**

Seating opportunities to activate local spaces

Varied **play opportunities** for all ages

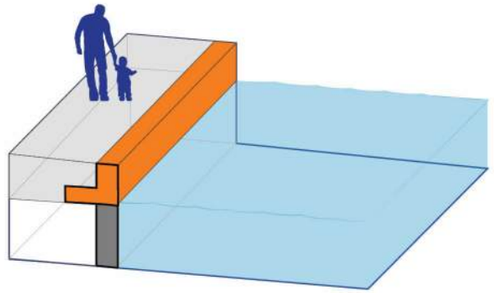
Permeable pavement and **stormwater drainage**

Opportunities to **interact with the waterfront**

Combination of **active & passive programs** along the waterfront

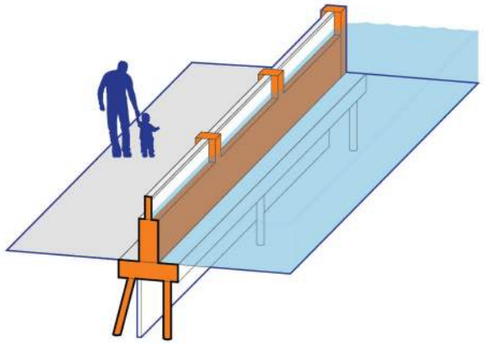
Flood Alignment Toolkit

PASSIVE



Raised Edge

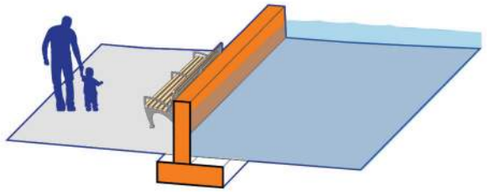
Infrastructure aligned to the edge of the waterfront, above the existing bulkhead.



Glass-Topped Flood Barrier

POTENTIAL OPTION UNDER EVALUATION

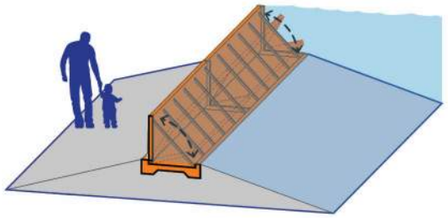
See-through infrastructure that promotes visibility and safety.



Flood Barrier with Placemaking

Infrastructure augmented by programmatic elements.

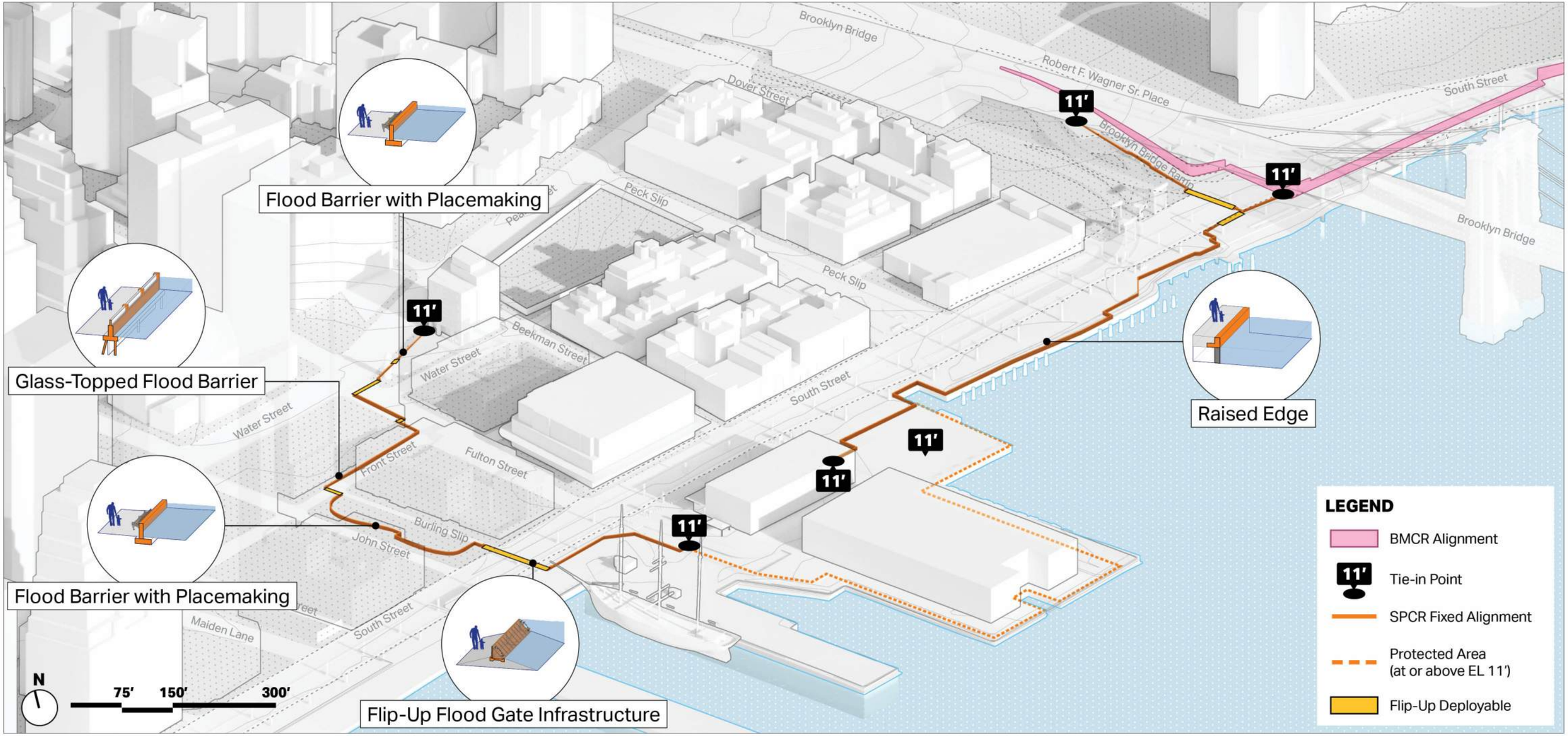
DEPLOYABLE



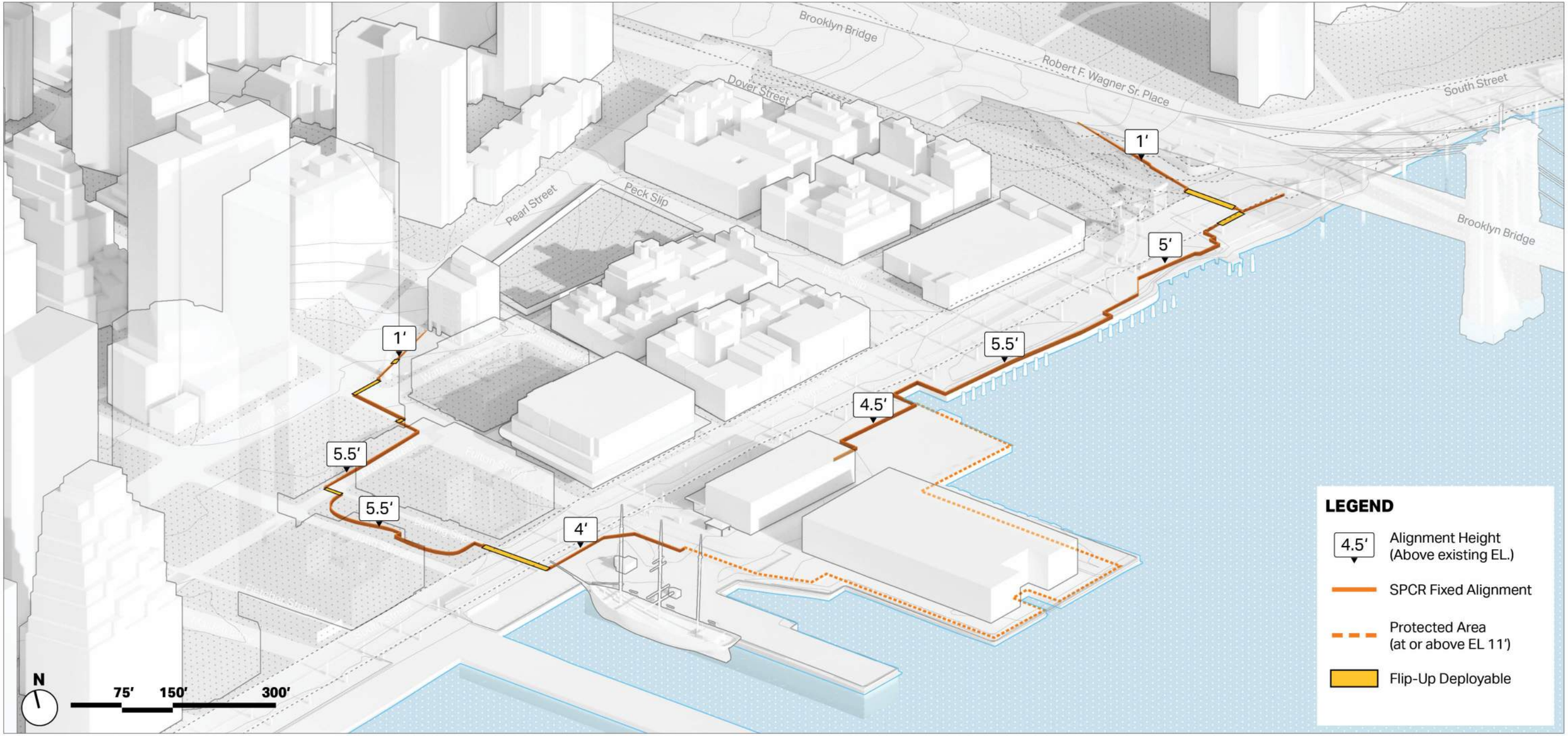
Flip-Up Flood Gate Infrastructure

Ground-level infrastructure that raises during storm events.

The Flood Alignment

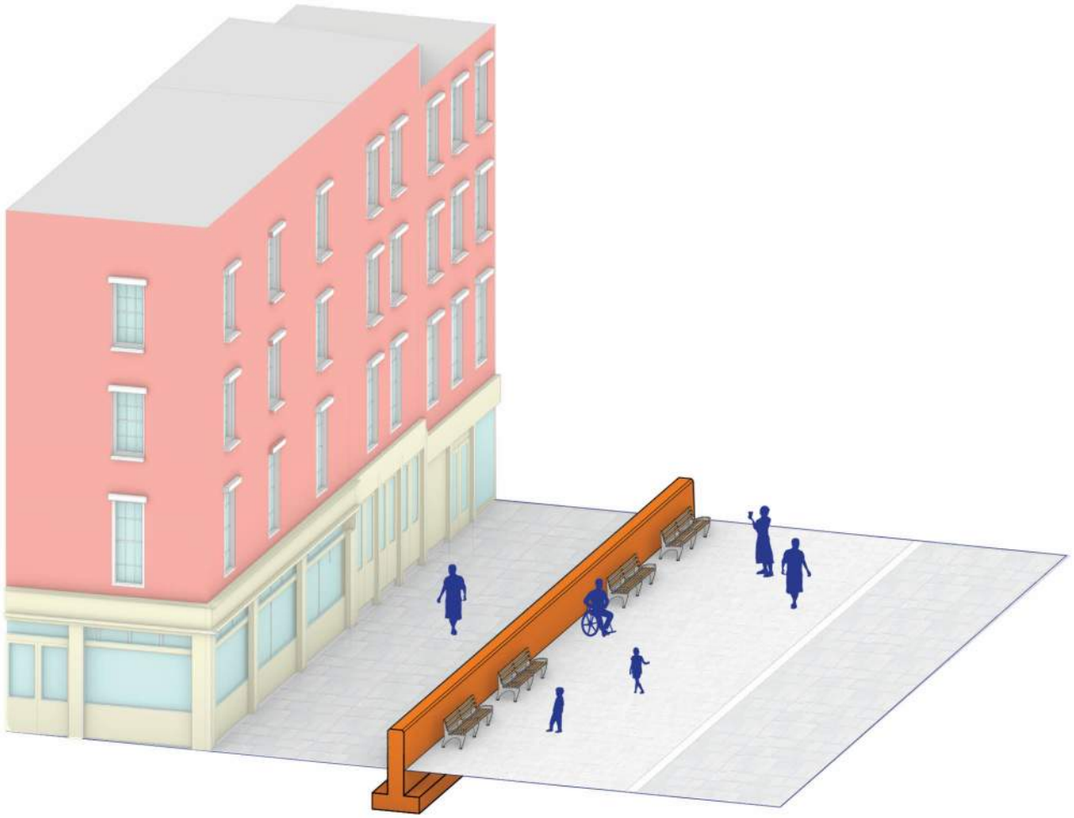


Height of Intervention (HOI)



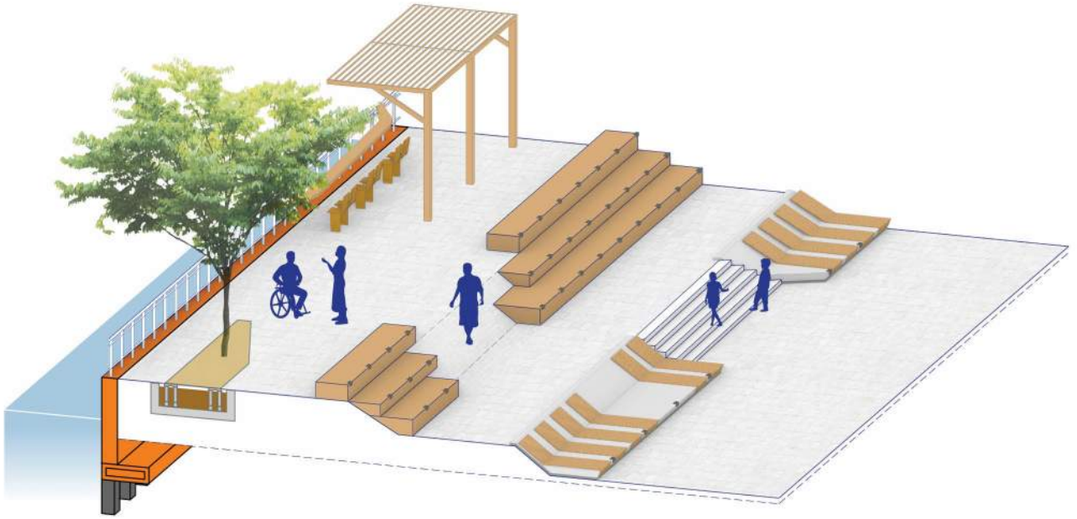
Design Approach | Placemaking

INLAND



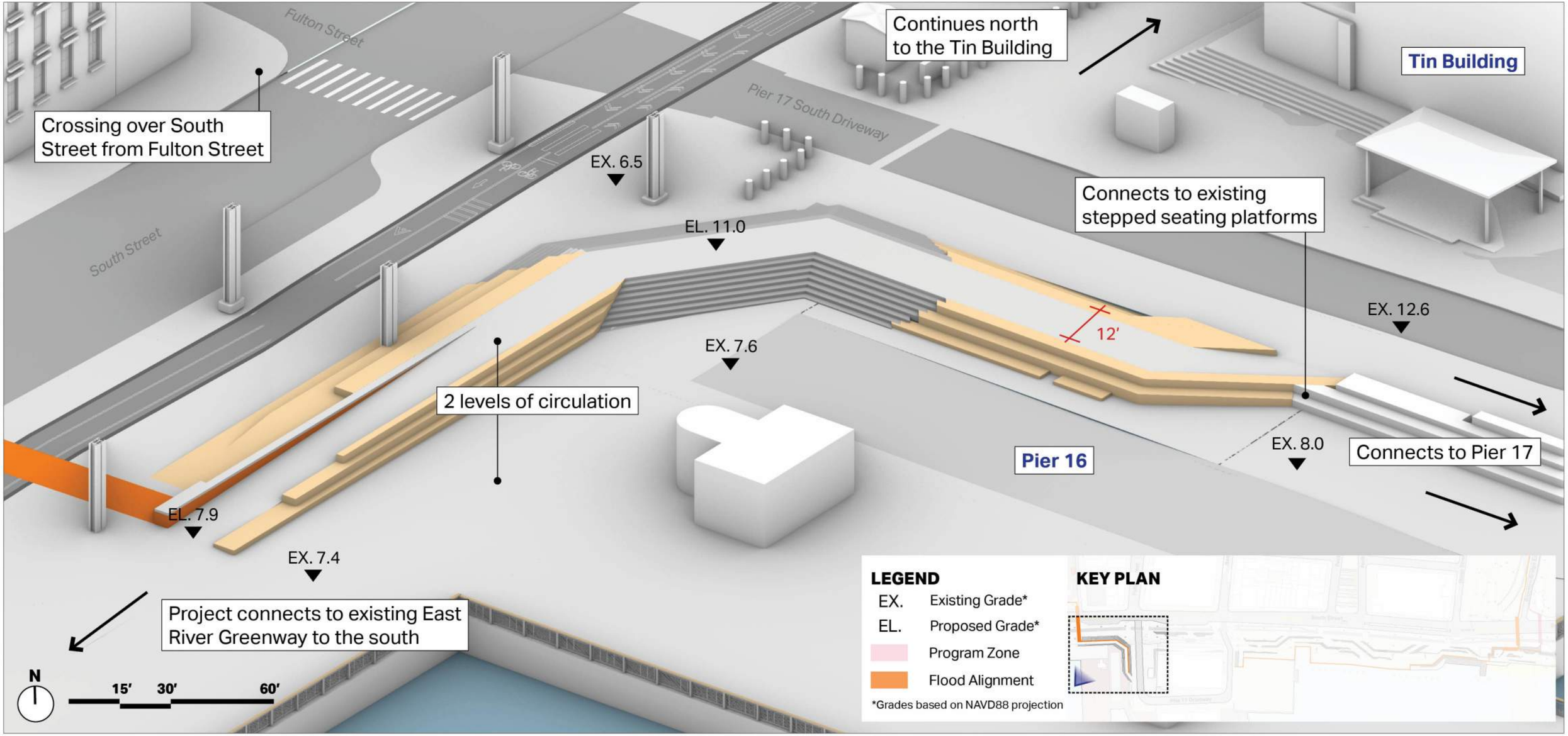
Passive flood wall with seating opportunities

WATERFRONT

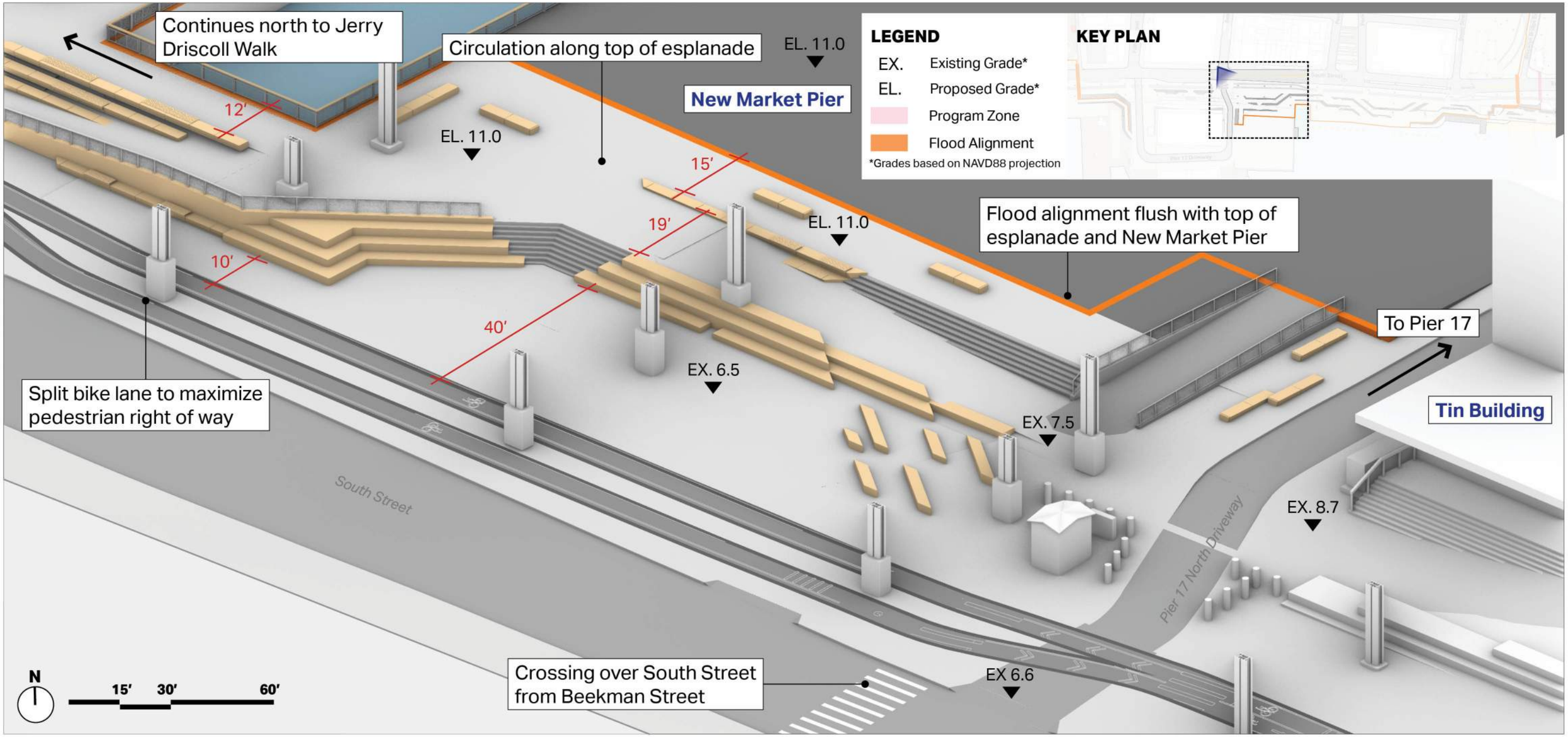


Incorporating programmatic features throughout terraces and along edges

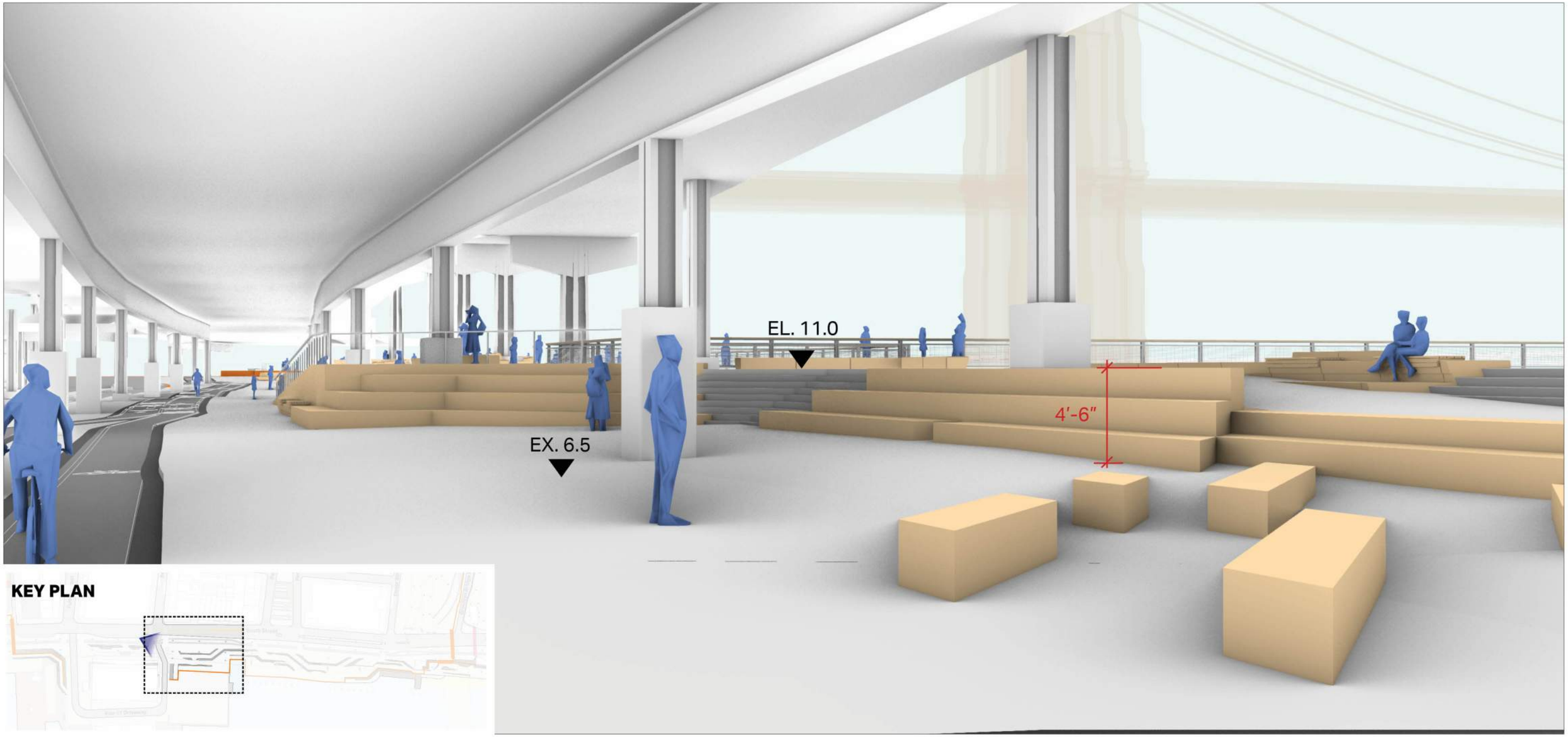
Pier 17


Fulton Street
South Street
Pier 17 South Driveway
Crossing over South Street from Fulton Street
Continues north to the Tin Building
Tin Building
Connects to existing stepped seating platforms
EX. 6.5
EL. 11.0
EX. 12.6
12'
EX. 7.6
2 levels of circulation
Pier 16
EX. 8.0
Connects to Pier 17
EL. 7.9
EX. 7.4
Project connects to existing East River Greenway to the south
N
15'
30'
60'
LEGEND
EX. Existing Grade*
EL. Proposed Grade*
Program Zone
Flood Alignment
*Grades based on NAVD88 projection
KEY PLAN

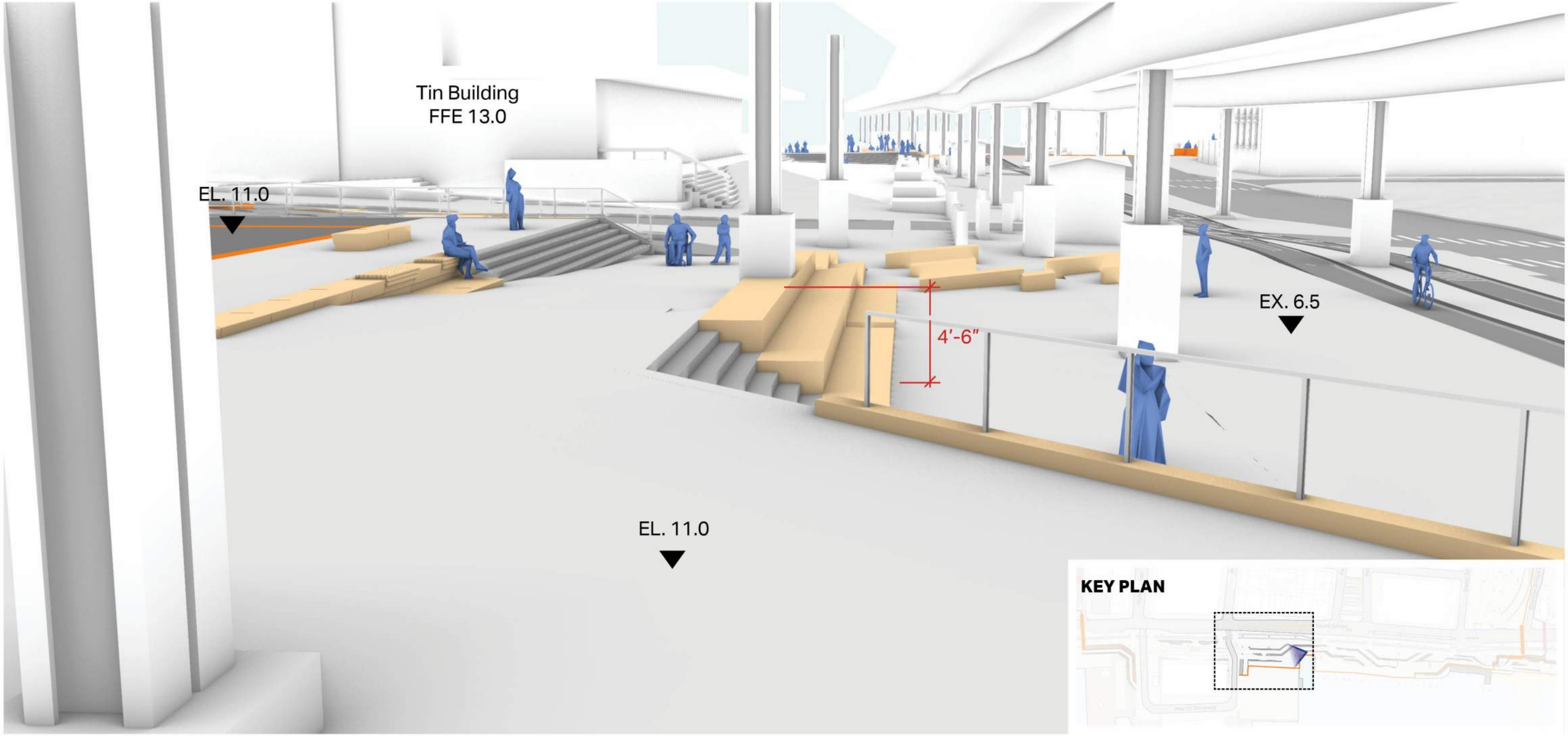
New Market Pier Landing



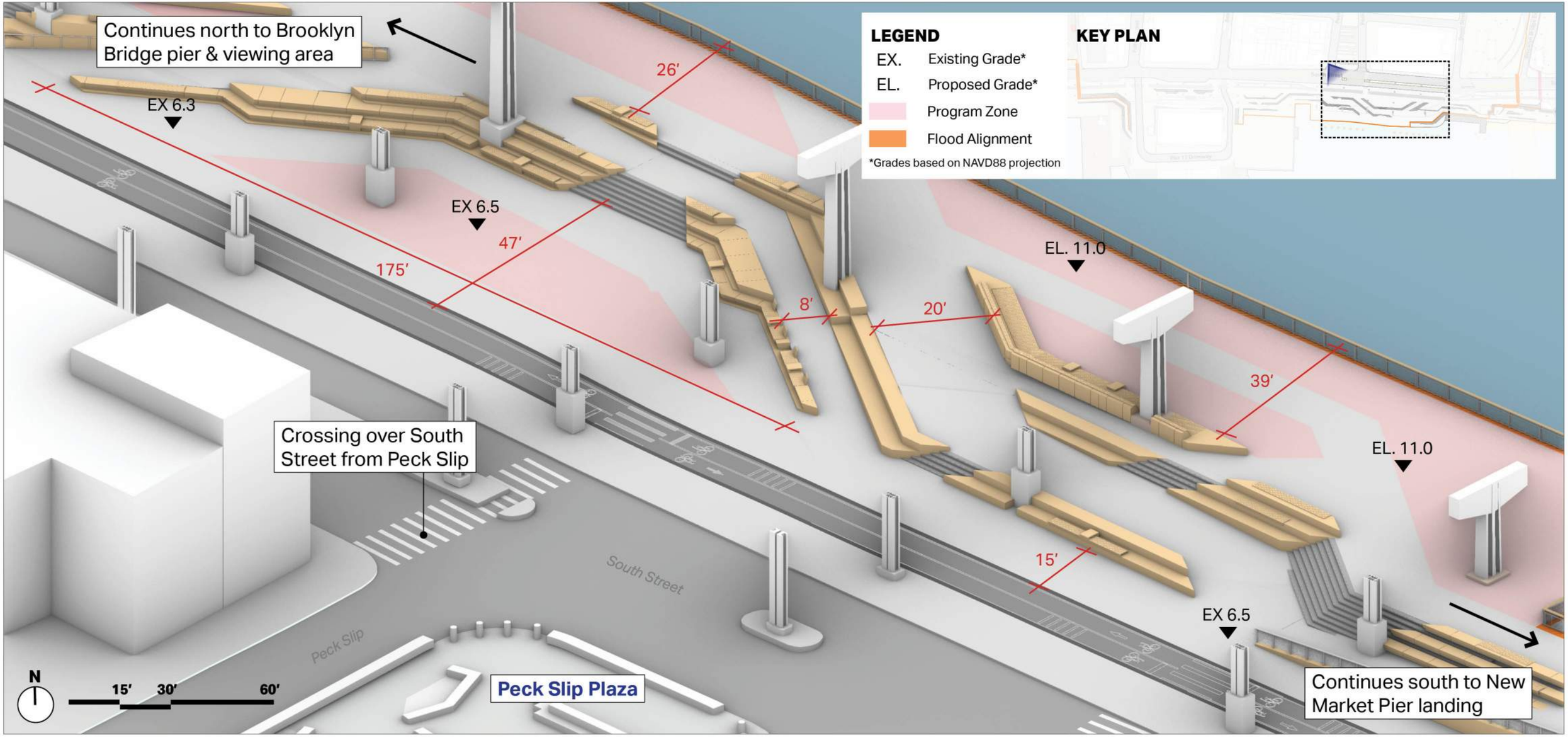
New Market Pier Landing | Street Level



New Market Pier Landing | Esplanade Level

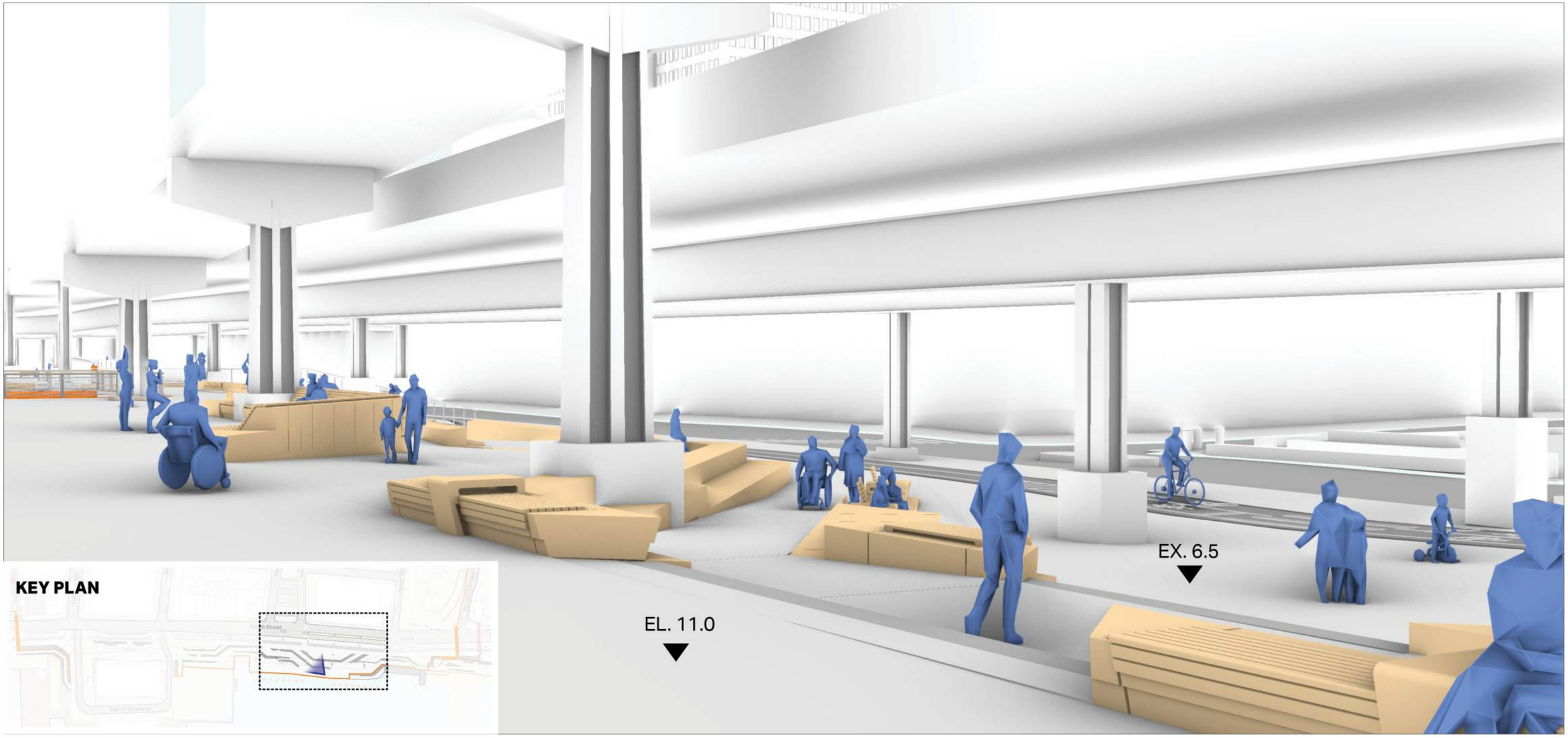


Jerry Driscoll Walk

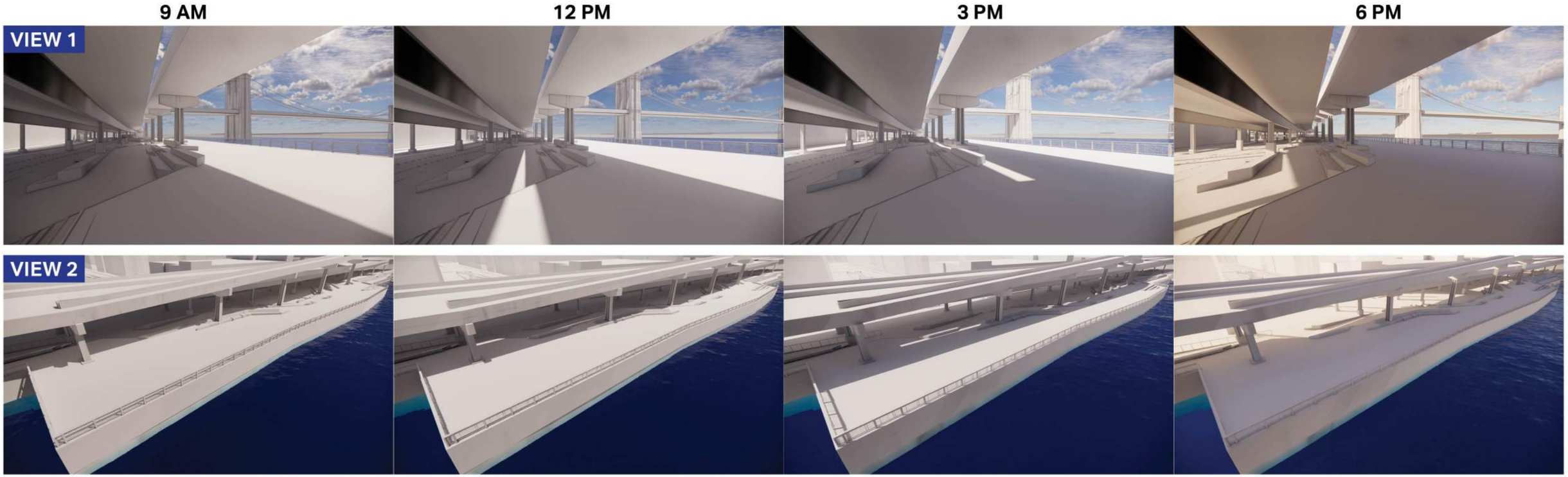


Jerry Driscoll Walk | Street Level

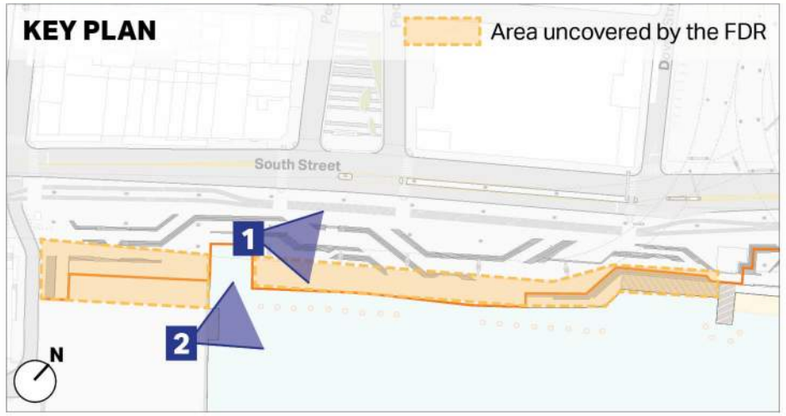
Jerry Driscoll Walk | Esplanade Level



Sun & Shade Study | Summer Day At Jerry Driscoll Walk

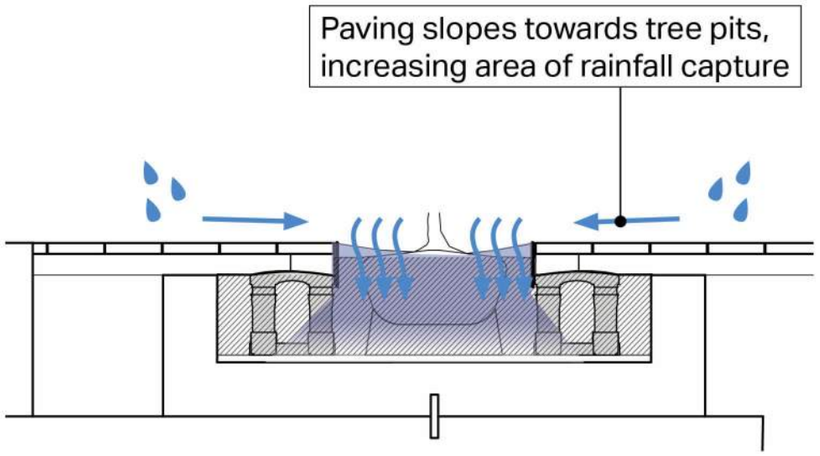


- **Jerry Driscoll Walk receives direct sunlight from 7AM-5PM during the summer**
- **Sunlight reaches under the FDR after 6PM**
- **This is the only area within the project area along the waterfront that receives enough sunlight and rain to potentially sustain trees**

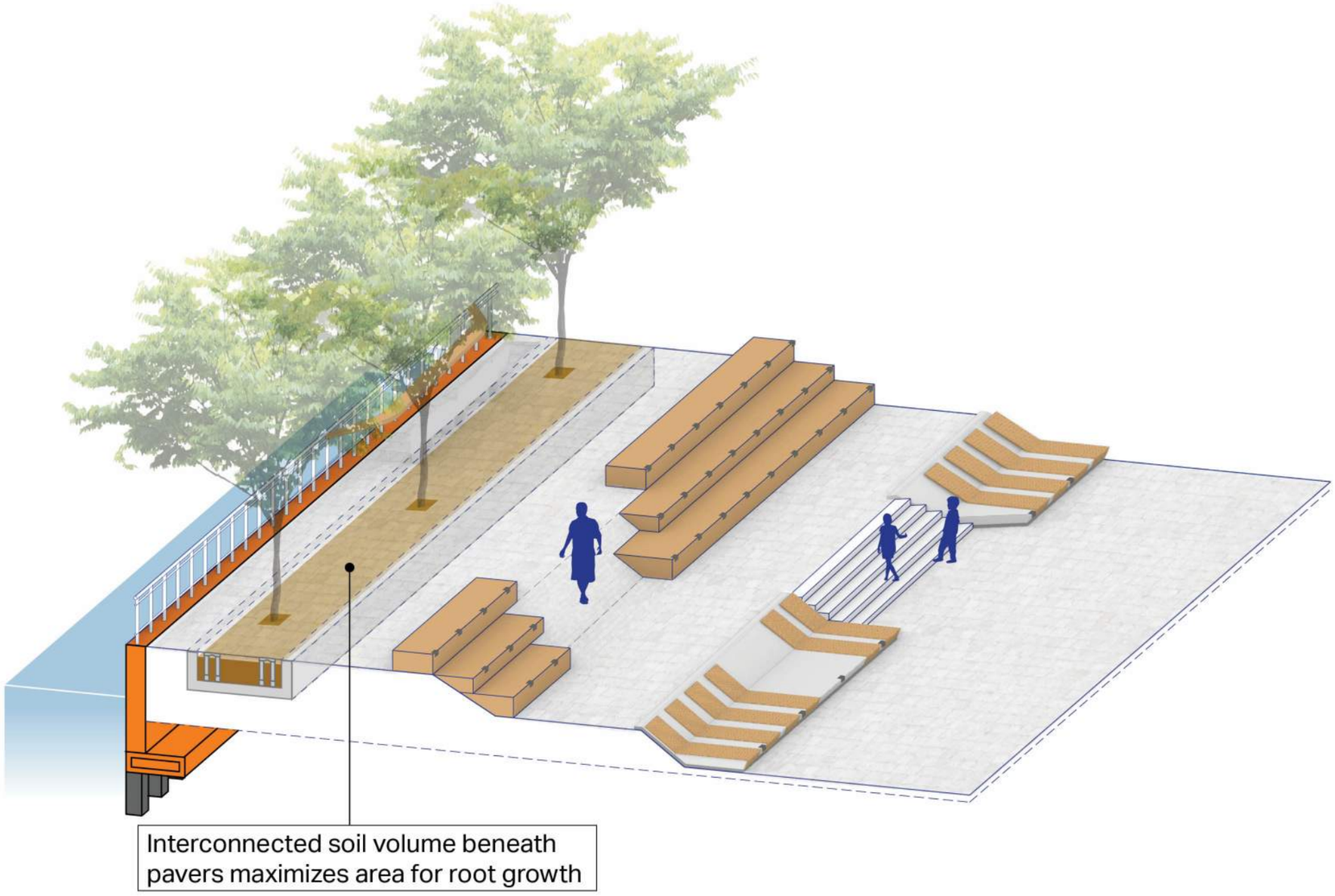


Potential Esplanade Plantings | Tree Trench Design

PITCHED PAVING W/ CONCRETE PLANTER



Sloped paving captures precipitation from the top of the esplanade and directs water through the tree pit opening.



Potential Esplanade Plantings | Tree Candidates

Gleditsia triacanthos var. inermis
Thornless Honeylocust
NT ST CP

Quercus bicolor
Swamp White Oak
NT SL ST CP

Juniperus virginiana
Eastern Red Cedar
NT SL CP

Pinus rigida
Pitch Pine
NT CP

SL From Park & Rec *Salt Tolerant Species List*

NT NY Native Trees

ST From NYC Approved Street Trees List

CP From Park & Rec Capital Projects Plant Schedule-Suggested List

Brooklyn Bridge Esplanade (BBE) | What and where?

BBE PROJECT & ENGAGEMENT FROM 2018-2019

Area of overlap between BBE and SPCR

BBE Waterfront Get-Down (built)

South Street
FDR Overhead
Brooklyn Bridge Ramp
Brooklyn Bridge
Front Street
Peck Slip
FDR Overhead
South Street
FDR Overhead
N

BBE extent from Peck Slip to Catherine Slip

Design Programs from BBE previously approved in 2019:

ACTIVE PASSIVE

- Artificial Turf Play Area
- Plaza with Splash Pad
- Viewing Deck with ADA Access Ramp
- Painted Asphalt Game Area
- Seating Platforms
- ADA Accessible Bar Seating
- Adult Fitness Equipment
- Plaza Areas
- Double-Sided Bleacher Seating

Brooklyn Bridge Esplanade (BBE) | Jerry Driscoll Walk Programming

Adult Fitness Equipment

Suitable for a wide range of ages and activity levels

Plaza with Splash Pad

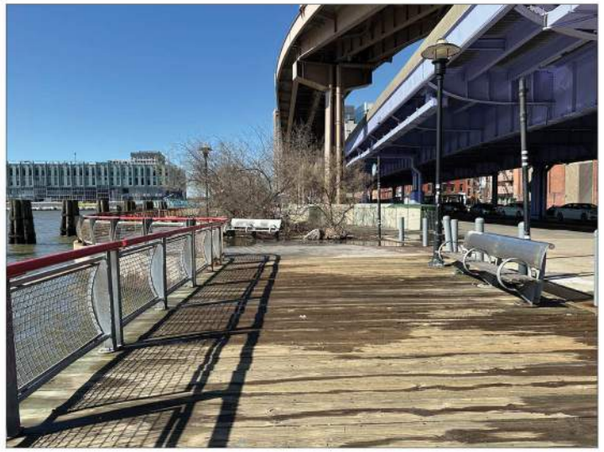
Open space, in-ground fountains and shaded seating

Multi-purpose Active Surfacing

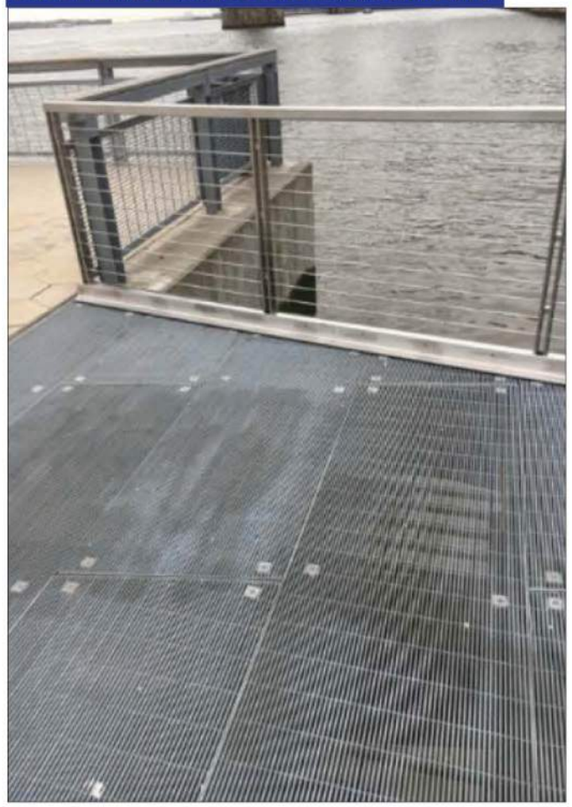
Rubber surfacing for intergrated play and sport courts

Brooklyn Bridge Esplanade (BBE) | Bridge Pier

EXISTING CONDITIONS

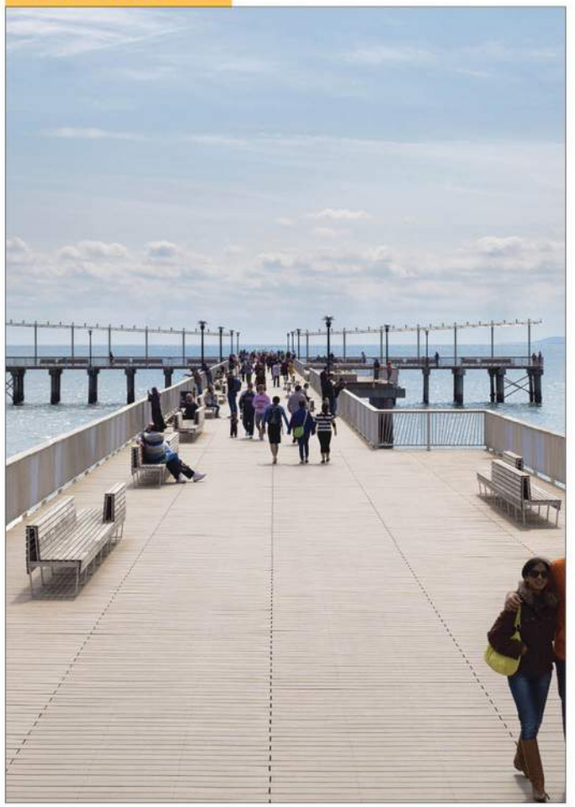


BBE-PROPOSED REPLACEMENT



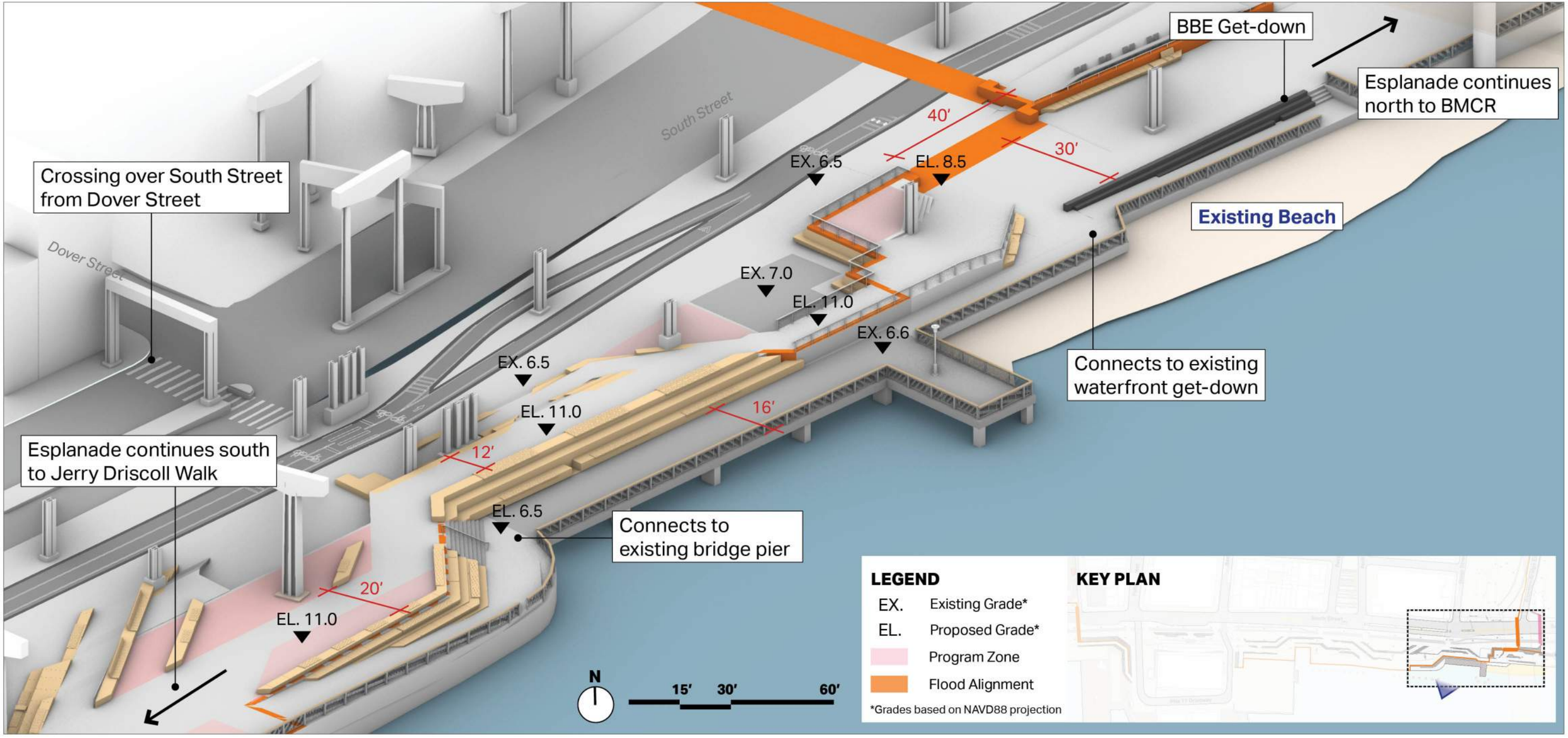
East River Esplanade
Steel Grating

ALTERNATIVE

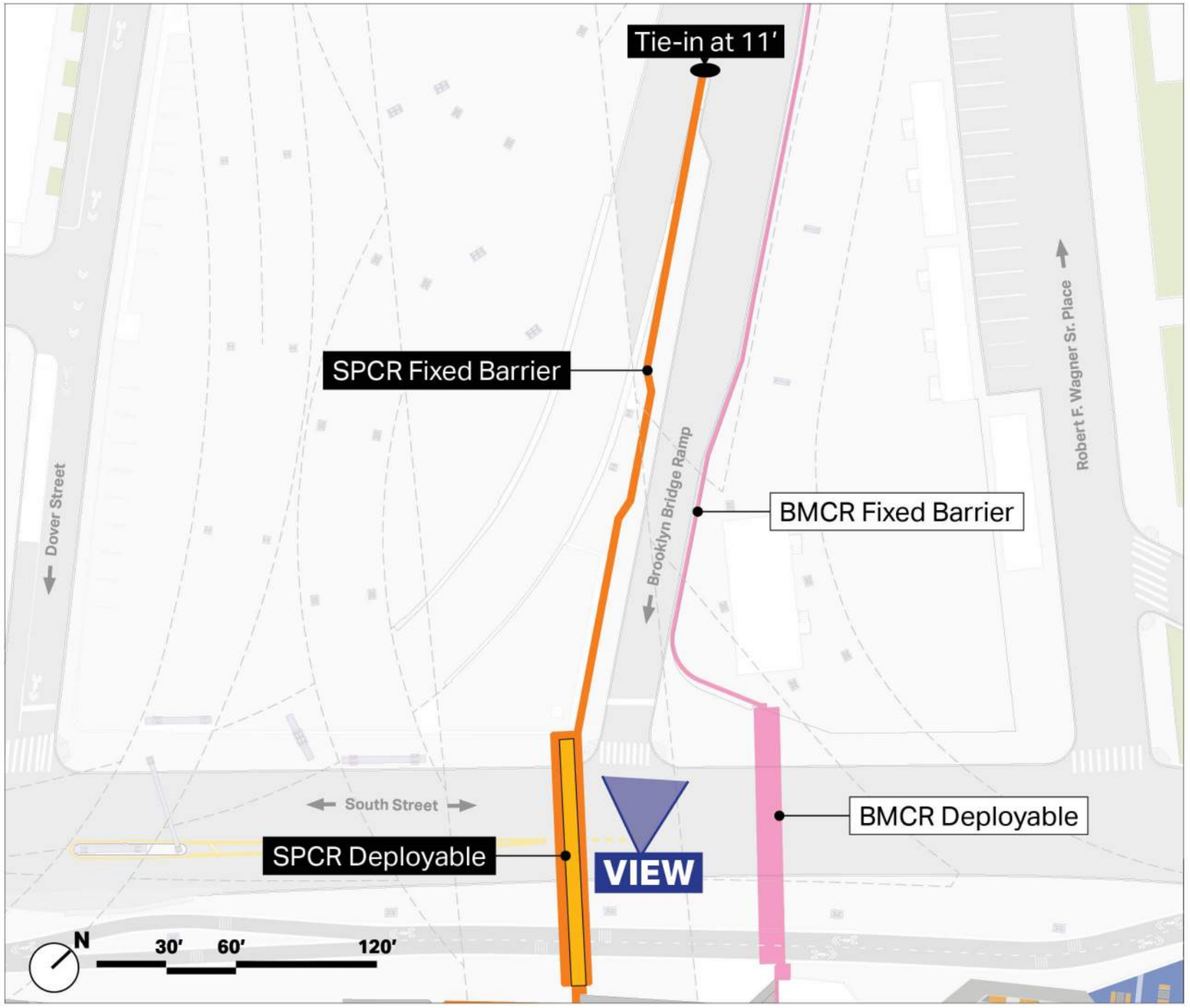


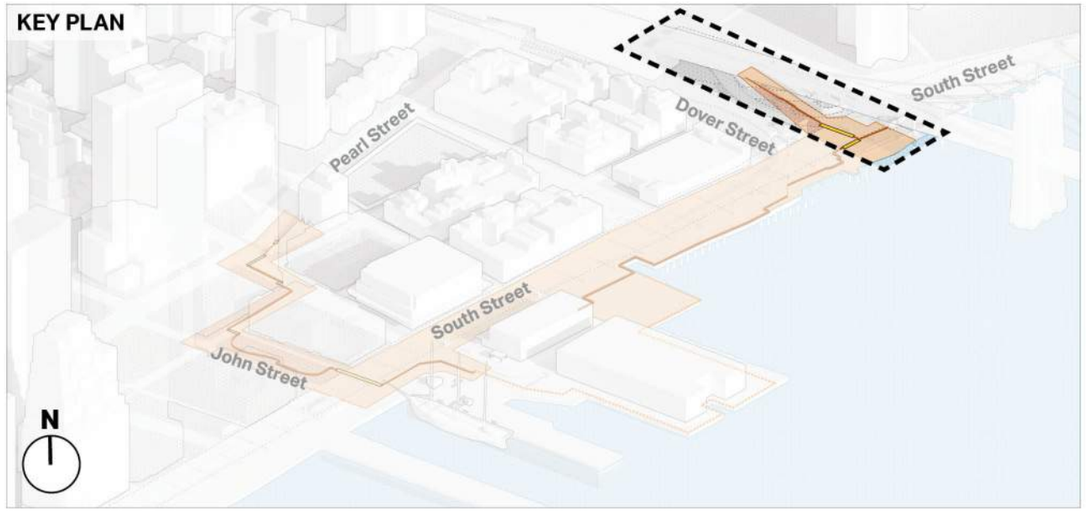
Steeplechase Pier, Coney Island
Recycled Plastic Lumber (RPL)

Brooklyn Bridge Pier & Viewing Area



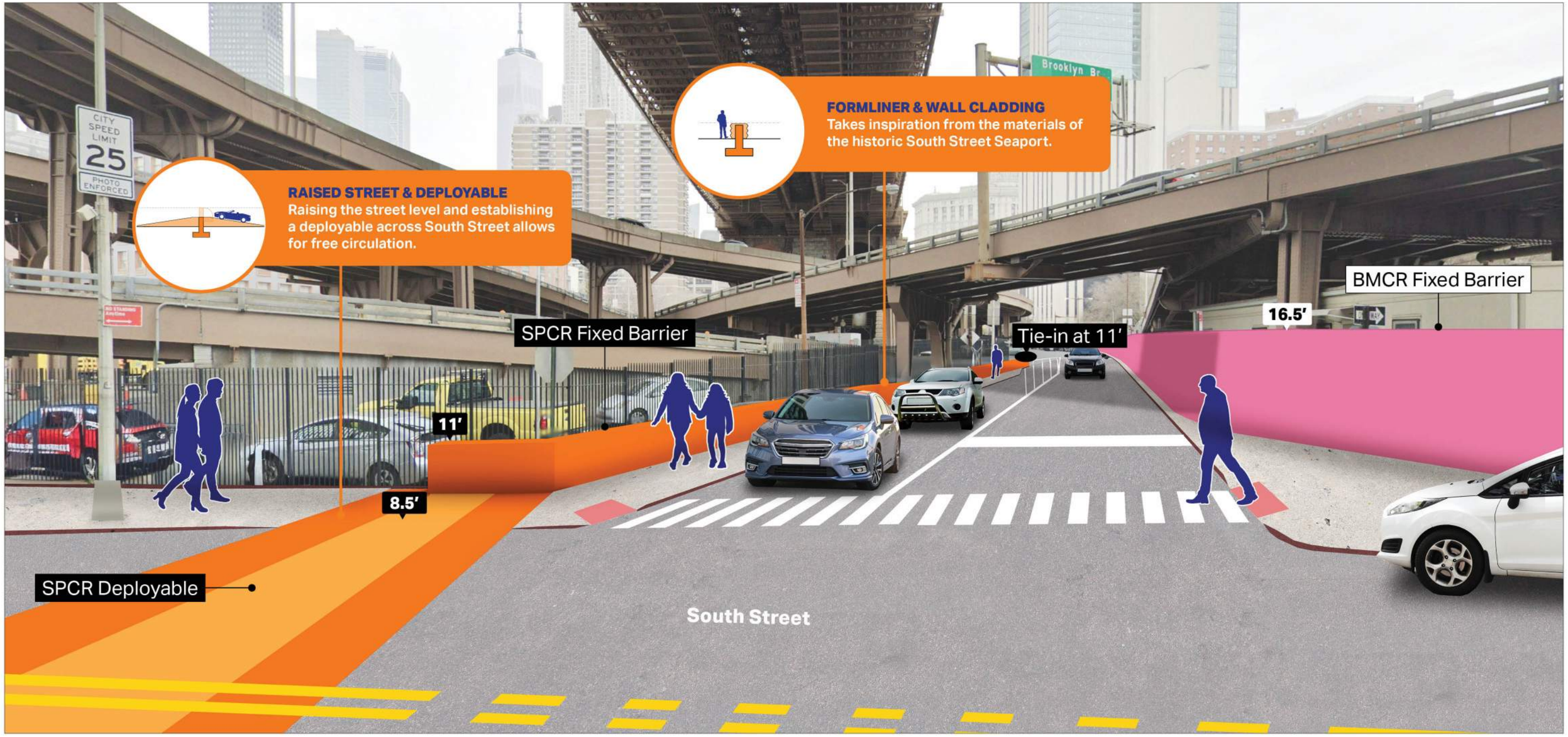
Northern Tie-ins | Brooklyn Bridge Ramp Tie-in



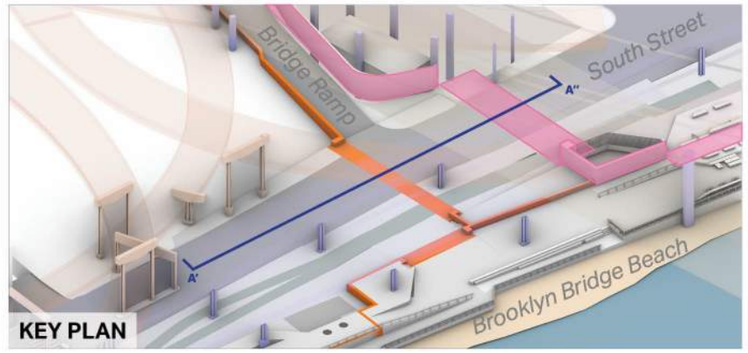


The alignment ties in to elevation 11' directly across the street from the BMCR tie-in.

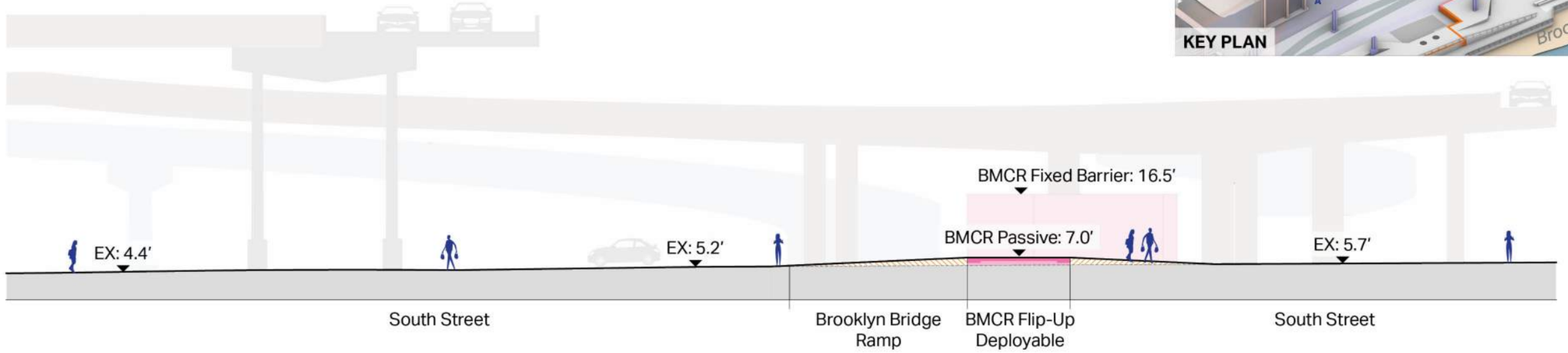
Northern Tie-ins | Brooklyn Bridge Ramp Tie-in



Northern Tie-ins | Section A - Along South Street



BMCR DESIGN CONDITIONS



SPCR FLIP-UP FLOOD GATE INACTIVE