



Introduction to the Partnership

In 2019, Oxford Properties and Pappas Enterprises formed a new partnership to own and operate the 42-acre site

OXFORD







Planning for the Future

1943: The US Navy begins filling parts of the Reserved Channel basin, creating the E Street Annex, the area occupied by PCC Today.



2010-2012:

The new sea wall and harbor walk is constructed.



OXFORD

PAPPAS ENTERPRISES, INC.

2019

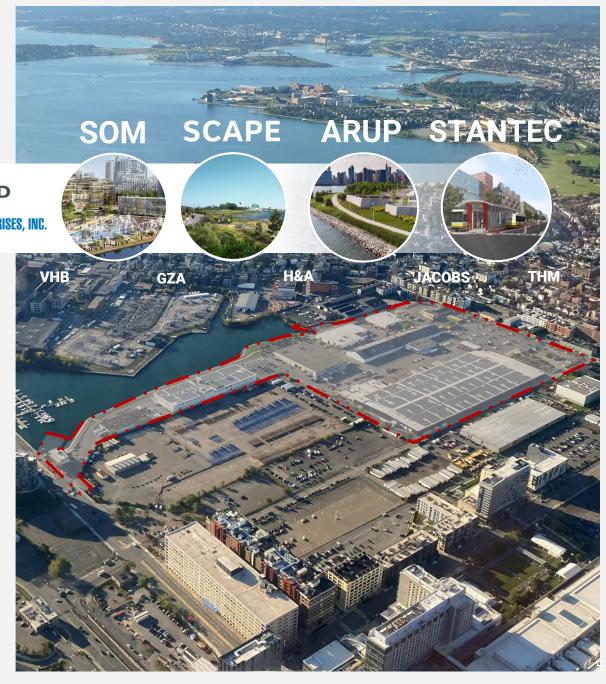
2010:

A new, 75-year extension to the 1964 ground lease is executed.

2018:

645 Summer St reopens as a state of the art laboratory building.





Public Process

Informal Engagements and Activations

Since 2021, the Partnership has held 50+ meetings, workshops, events & activations

- Agency/Staff: 20+ Meetings
- Focus Groups: 5 Group Meetings
- Stakeholder Workshops: 6 Meetings
- Activation/Community Engagement: 14+ Events
- Additional Outreach: 4 Meetings

Community Outreach Overview









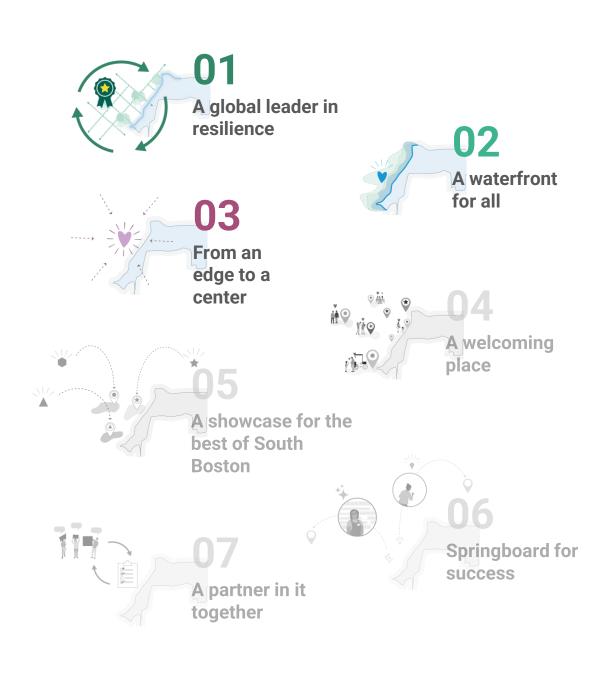








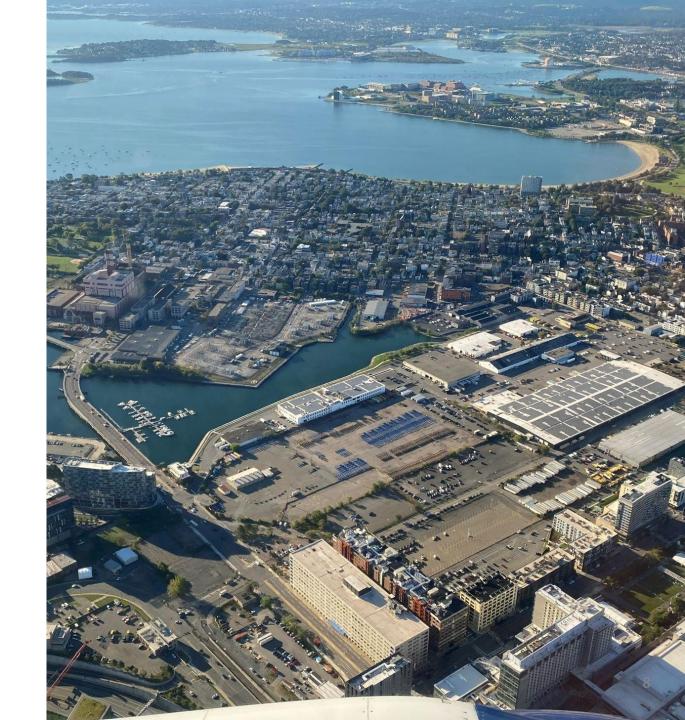






Resilience Goals

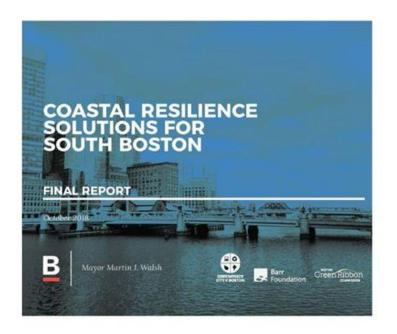
- 1| Develop an accessible and inviting resilient waterfront landscape
- 2 | Reduce impervious surface on the site, adding areas for on site stormwater storage and infiltration
- 3| Manage stormwater (10-year, 24-hr storm) on site through a combination of engineered and landscape solutions
- 4| Expand and enhance urban tree canopy, cooling the site and mitigating the urban heat island effect
- 5| Protect the site from coastal flooding, now and in the future. Develop a long term resilient shoreline that compliments the city's vision for regional protection

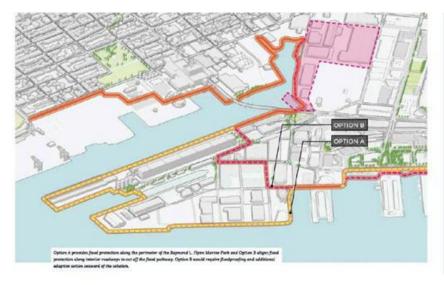


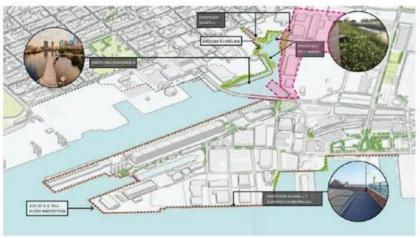
Resilience Policy and Planning in Boston



City's Plan for Coastal Flooding and SLR







RAYMOND L FLYNN MARINE Estimated Costs for PARK: MID-TERM AND LONG-TERM Alignment Options A and B COASTAL RESILIENCE SOLUTIONS We examined two alignment alternatives for the Raymond L. Plyon Morine Park and Reserved Channel: Option A. Flood protection along the parimutar of the ESTIMATED COST Raymond L. Plyon Marine Park and Reserved Channel Option 6. Fixed protection interior to the Marine Park \$10-514

For each option, there are minor variations possible for the alignments, and for each alignment, there are multiple technical approach options and a variety of possible design concepts.

The affectiveness of hoth dynamic is created in the long term by flood purhousys energial from other parts of the district. Sold politicitys originating in the Sepport Cityon Marine Park and Baseroad Channel flood postupeys with trinshes of any level. ring, are a lime probability fixed water many The effectionists of Challen & Speak depends on individual haliding flandproofing on the is the most effective for the large perties. of the Raymand L. Flown Marine Park that could otherwise be at risk to at least monthly flooding with 60 brokes of see breet rice.

ALICNMENT OPTION A FLOOD PROTECTION OPTIONS AT THE SHORELINE OF THE MARINE

the total cost to implement the solution and excludes Foodproofing operations and maintenance (CEA).

\$2.0 - \$2.9 million

Conson A uncludes a perimeter water's odga solution. in.g., flood well, see wall, stepped access; to prevent Stooding within the Raymond L. Physic Marine Park.

Principal causes of future design cost variation could Whether the food protection alignment occurs

- on entiring land or within the vistar
- . Whether the enrusture is a wall or earther
- . The number of penetrations of the protection surface openings with closeable fixed giose

OPTION A

OPTION B

- . The number, type, and condition of enisting methdiculong shoreine
- . The number, type, and condition of harled subswitten utilities winctifu, gas, storrewater, WHITEWARD, DOOR, MIG.)
- * Subsurface and permeability conditions and the necessity for evepage cutoff measures such as shaeting more walls, or other treatments

EVALUATION CRITERIA PERFORMANCE

DESIGN LIFE AND ADAPTABILITY

KEY CONSIDERATIONS.

- Comful design to required to annual disruption of current and planned majorfront axes
 - Percential operational disruption during construction of the fixed printerior
 - Can be designed to address 40 inches of to address higher fleeding later

. Ability to permit in water construction and the presence of concumunated solu-

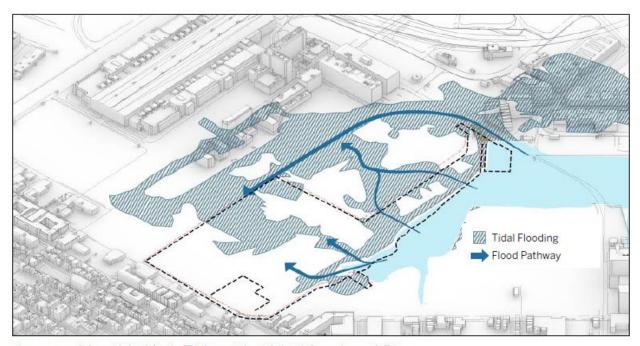
Availability of materials and labor and material

Source: Coastal Resilience Solutions for South Boston, 2018

Mitigating Coastal Flooding



1% Annual Chance Flood.



Average Monthly High Tide with 40" of Sea Level Rise

Managing Stormwater

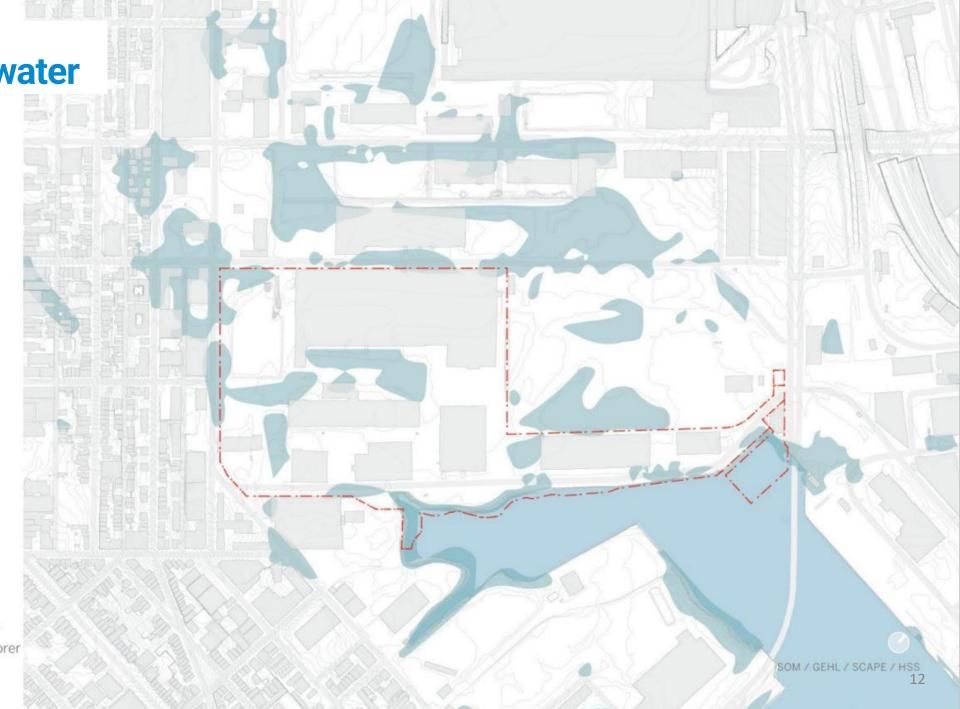
STORMWATER FLOODING

Stormwater Flooding

Project Site

Source: http://www.boston.gov/departments/environment/climate-ready-Boston-map-explorer

RESERVED CHANNEL DEVELOPMENT MASTER PLAN



Mitigating Extreme Heat



Data Source: Mass GIS (Bureau of Geographic Information) 2016

Tree Canopy
Permeable Soil

Bareland Impervious



Data Source: City of Boston: Open data, Analyze Boston

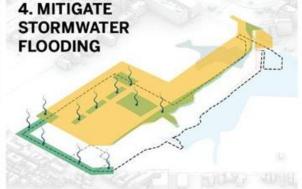


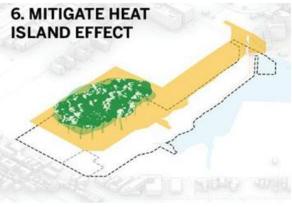
RESILIENCE STRATEGY/ APPROACH

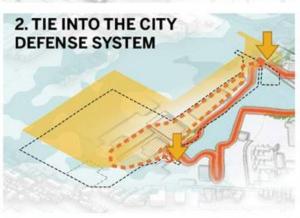
BASE ASSUMPTIONS

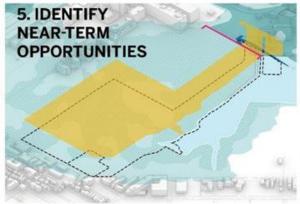
- Elevate the site & buildings
 to ensure it is resilient to future
 coastal flooding (regular tidal
 flooding and coastal storm event)
- 2. Meet city minimum flood defense DFE to enable future accommodations for City's longterm plans for coastal flood defense
- Maintain a good urban connections to the surrounding neighborhood (mitigate potential urban design impacts of site elevation)
- 4. Mitigate any potential increases in stormwater flooding
- Identify opportunities to address near-term coastal flooding in the wider neighborhood
- 6. Mitigate heat island effect
- 7. Foster social resilience







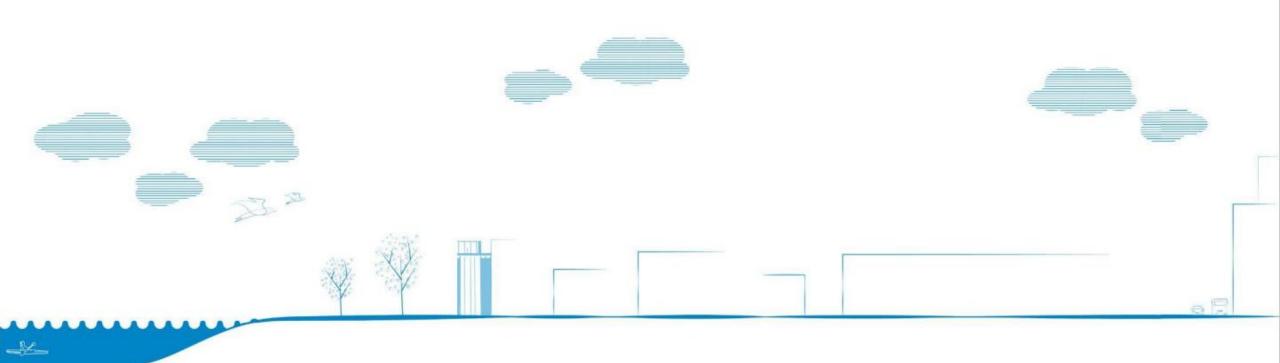


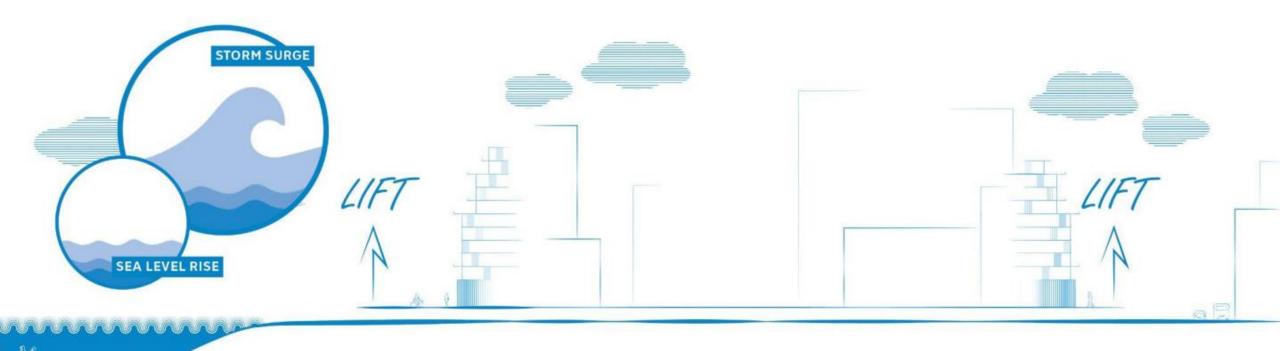


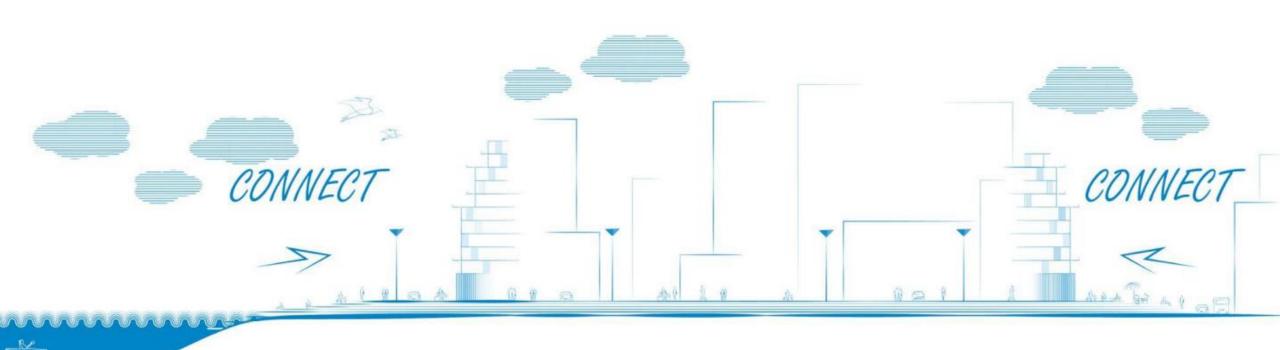




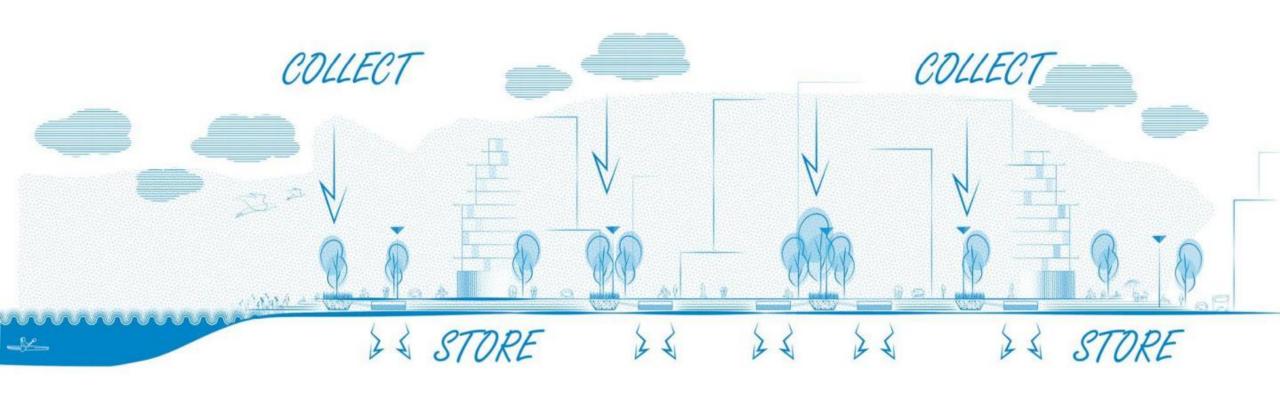
RCD TODAY



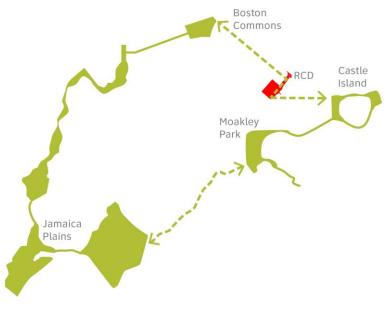






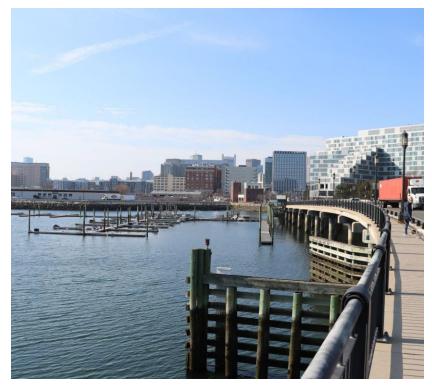


The stage for performative open space

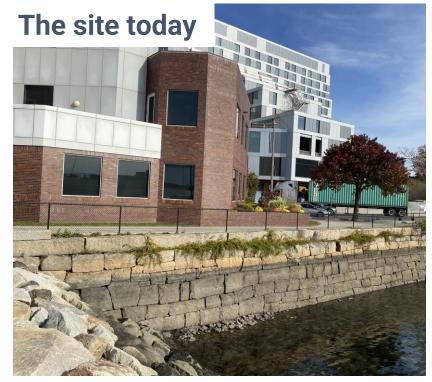






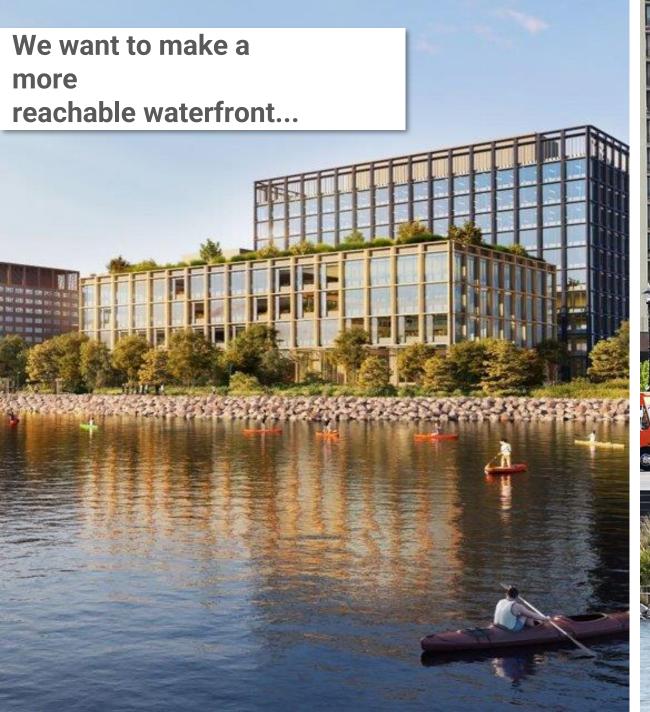


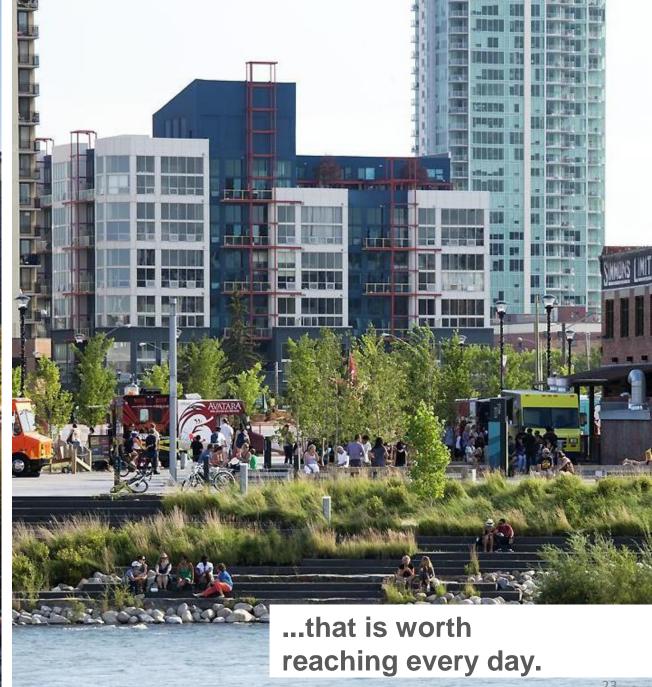












Landscape and Open Space

Programs



"Suggest we have a very wide area for people to not only run, but also to rollerblade and skate."



I'd like to see a "more curated space."

"Farmers market is high on my colleagues' list of needs."



"It's nice to have a fully open canvas — unprogrammed space."



Landscape and Open Space Character Convention Center Lawn on D Marine Industrial Park **EDIC Pier** Reserved Channel Basin Waterfront Park Harborwalk 776 Summer St E First S RESERVED CHANNEL DEVELOPMENT Hard with



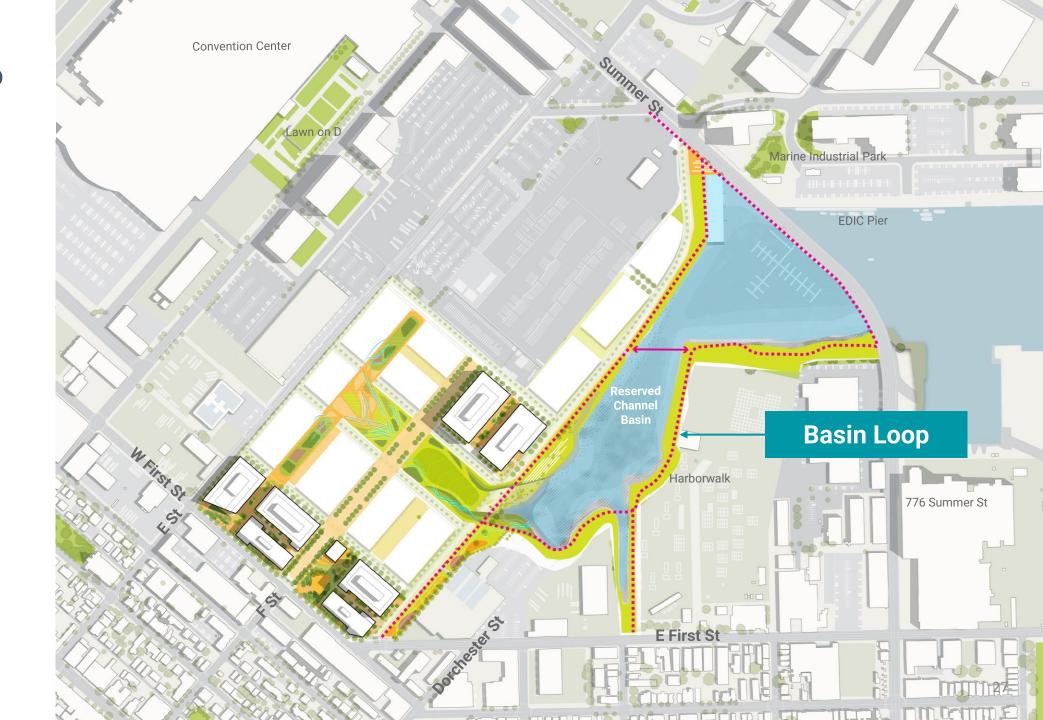
The Basin Loop

An immersive, lush, and replenishing nature walk in the city. A place to recharge devoted to ecological restoration and resilience.

Some elements might include:

- Learning lab & tours
- Community gardens
- Bird watching club
- Lush greenery
- Overlooks

The Basin Loop





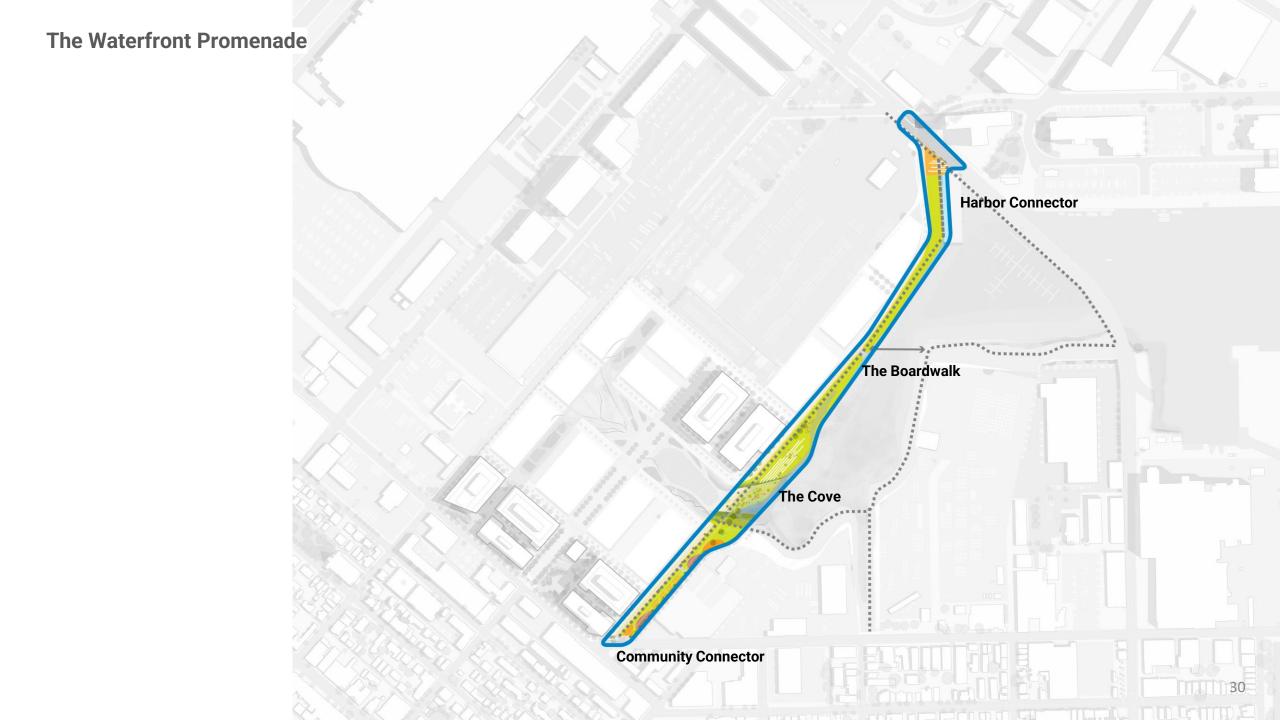


Waterfront Promenade

A boardwalk lined with shops and stalls, where established favorites and local upstarts create a lively and sociable waterfront.

Some elements might include:

- Communal boardwalk
- Small retailers and restaurants
- Patios
- Play features
- Weekend markets
- Local art
- Marina

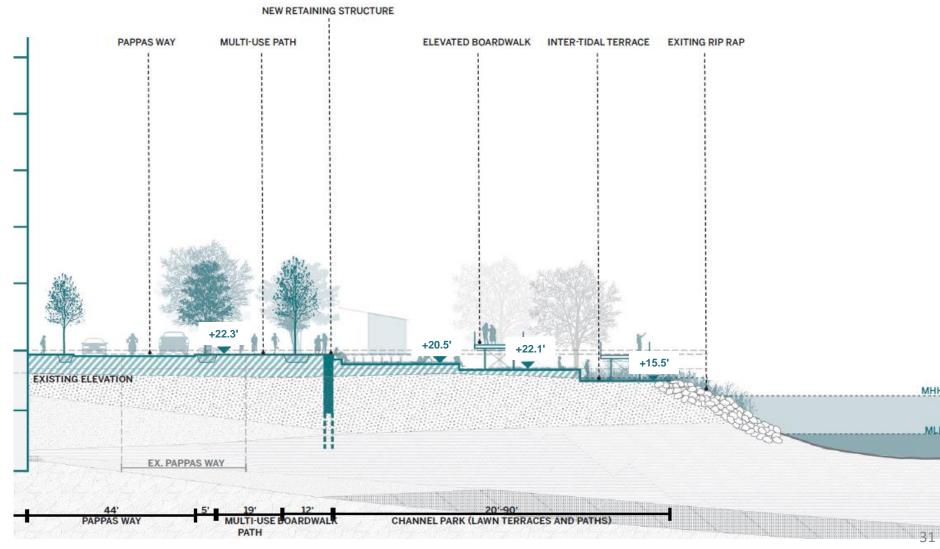


The Waterfront Promenade









All elevations are in BCB, substract 6.46' for NAVD88





Gathering Park

The neighborhood backyard – a flexible and open green space that invites people to make it their own, complemented by a rich calendar of local events.

Some elements might include:

- Multi-purpose lawn
- Market pavilions
- Flexible seating
- Sociable seating
- Shaded areas
- Local food kiosks
- Recurring events
- Community center

Gathering Park









A partner in it

together

success



Invest in open space An exceptional waterfront loop + a network of parks and plazas







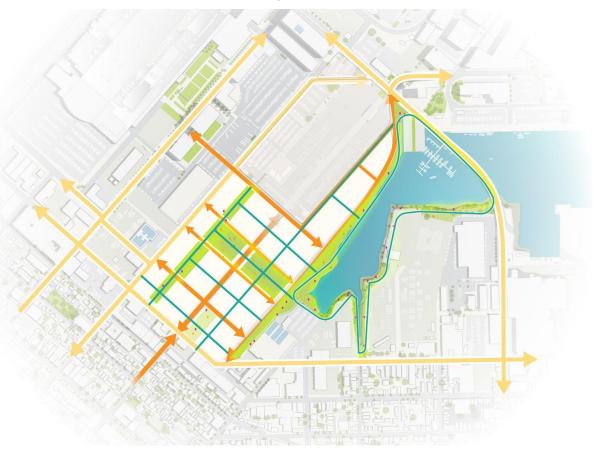
Complete the grid Extend existing South Boston streets into the new district







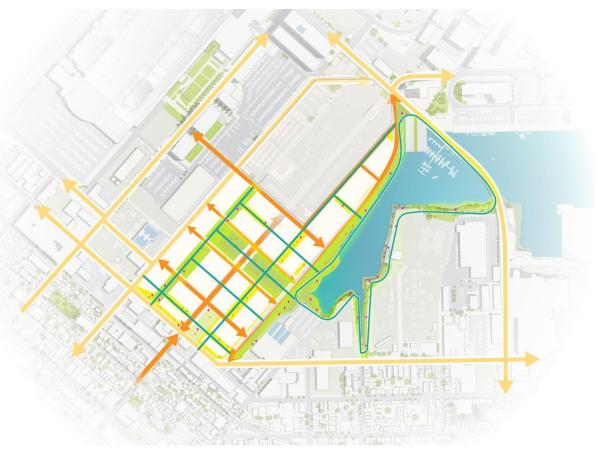
Prioritize permeability Further breakdown the development with a latticework of alleys





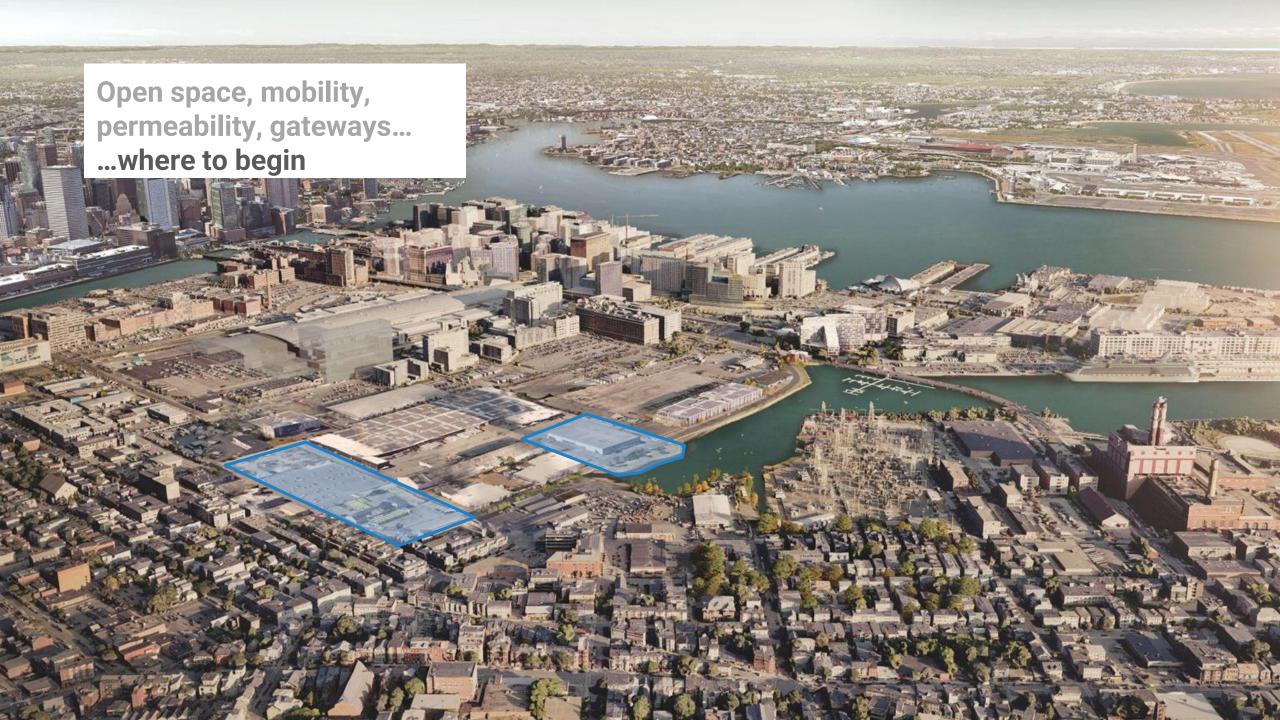


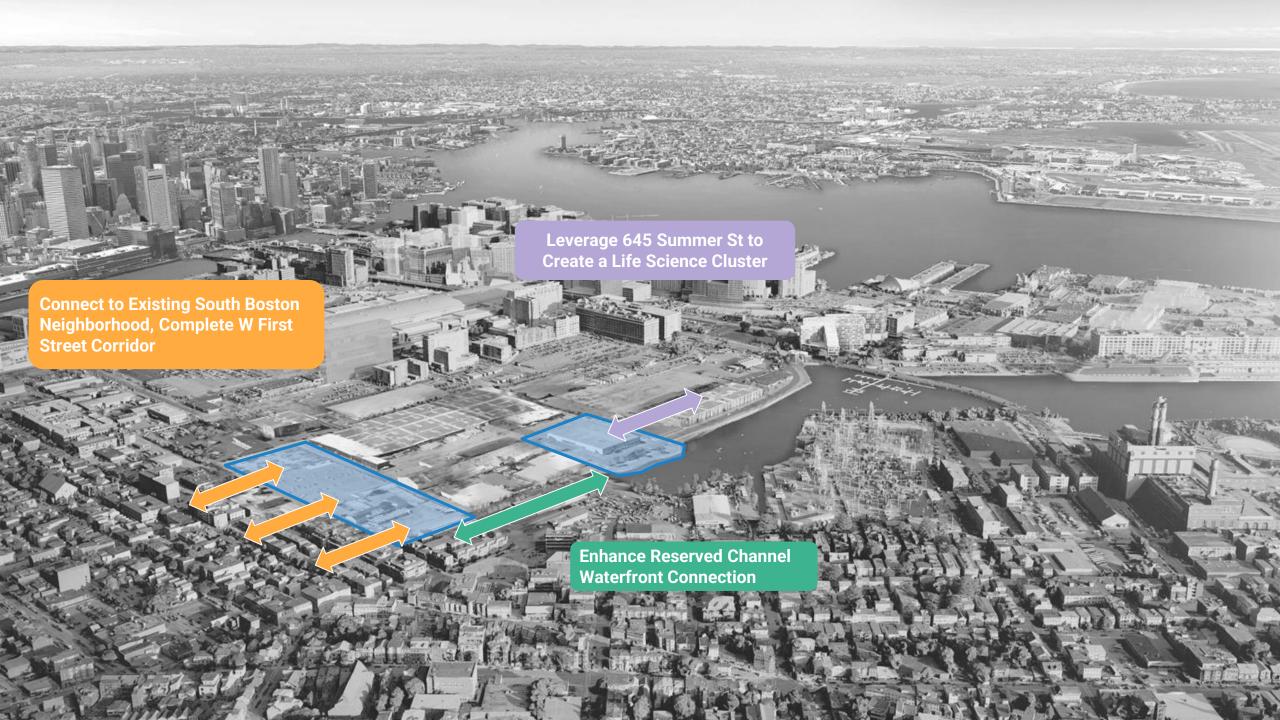
Inviting gateways
Strategic insertions of
courtyards, pocket parks,
and mini plazas...





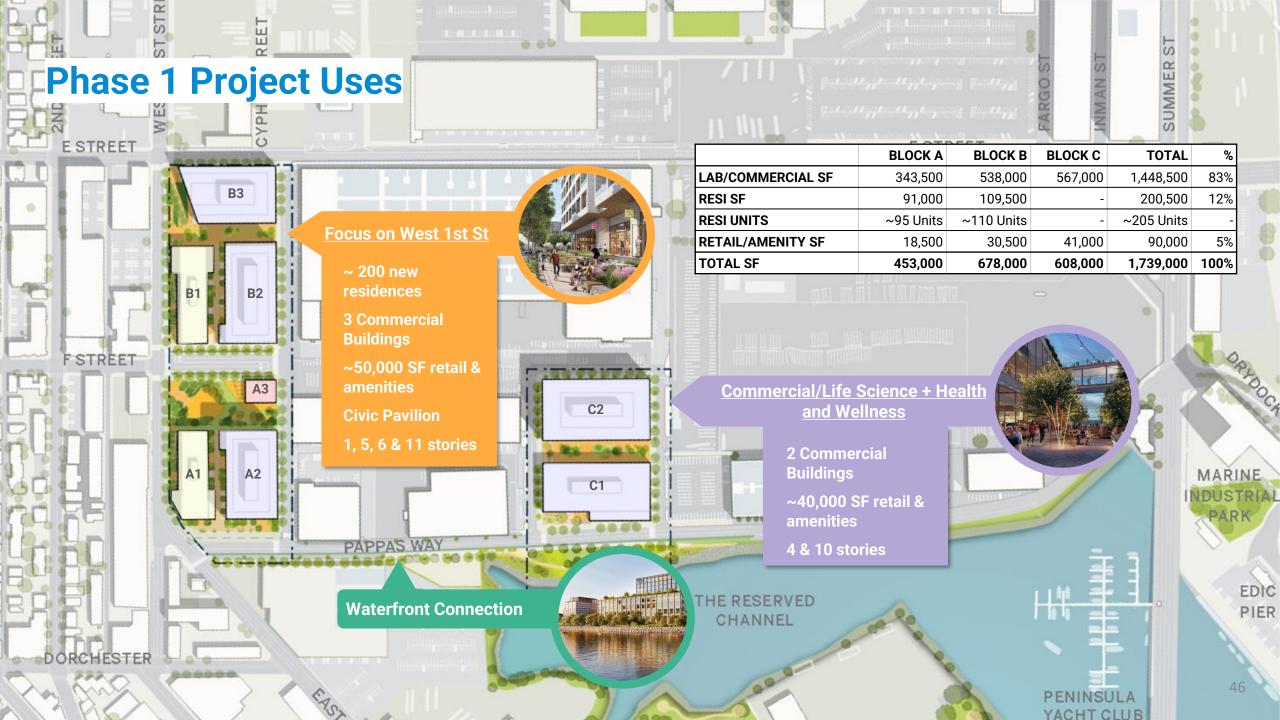


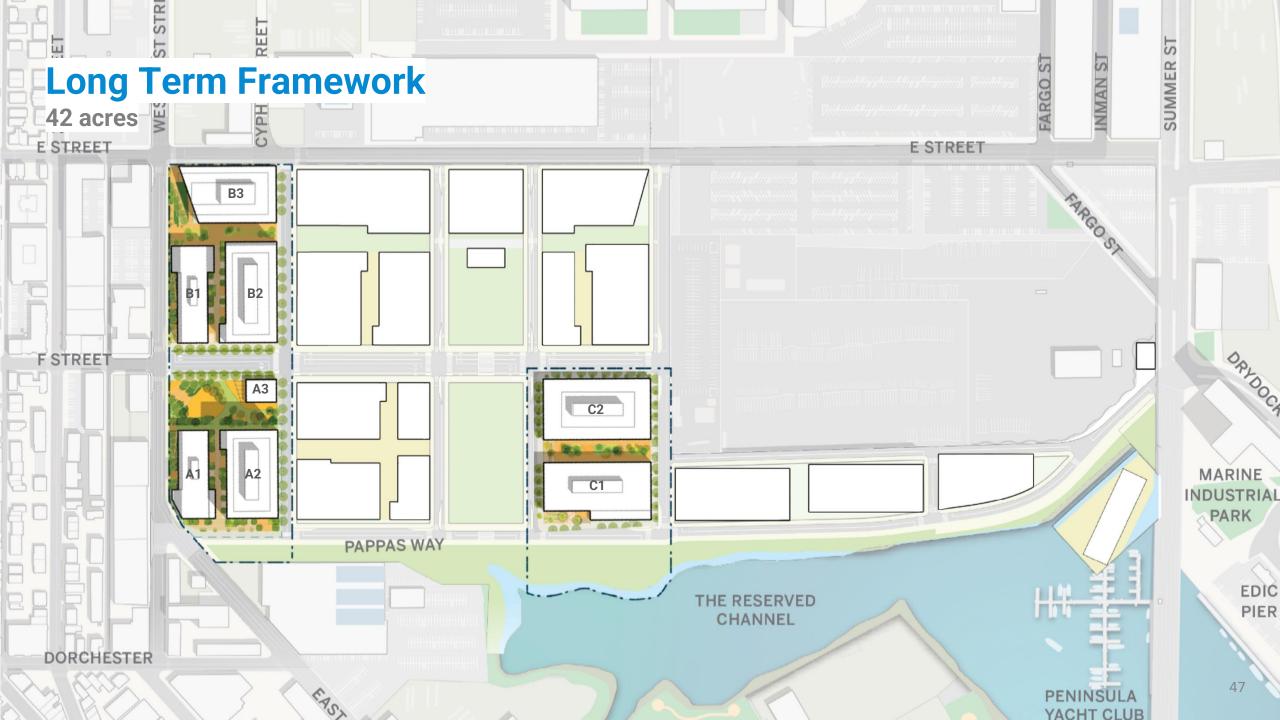






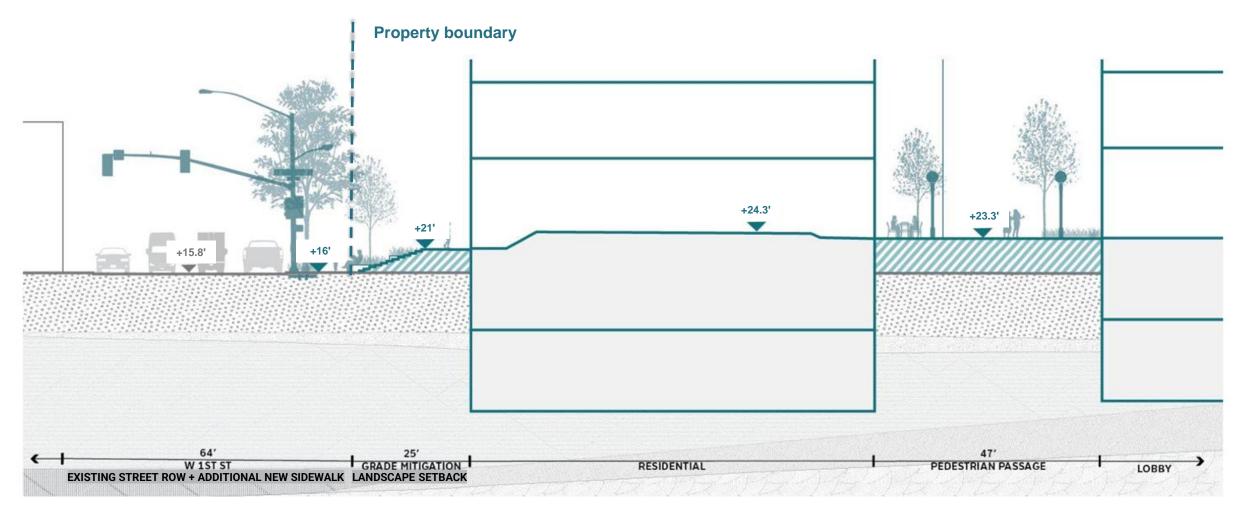






Resilient Foundation Oriented to Public Benefit

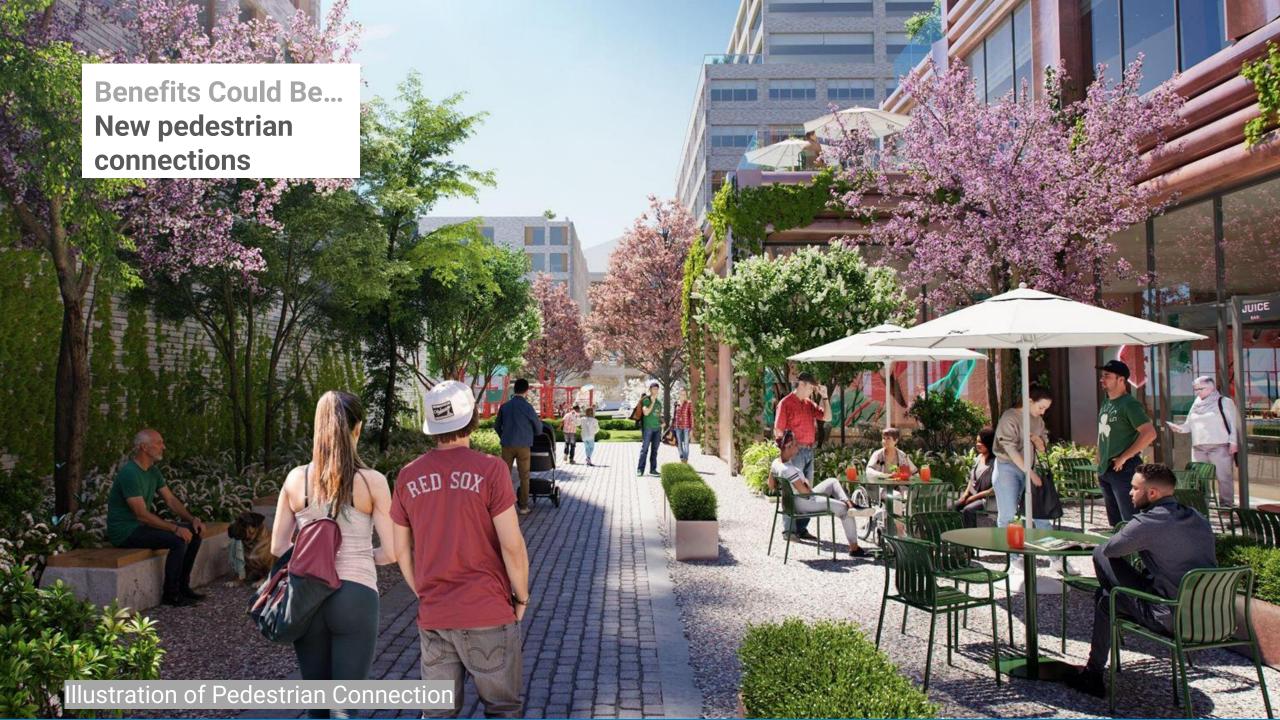
Potential Edge Condition (West First Street) | Split Grade Mitigation

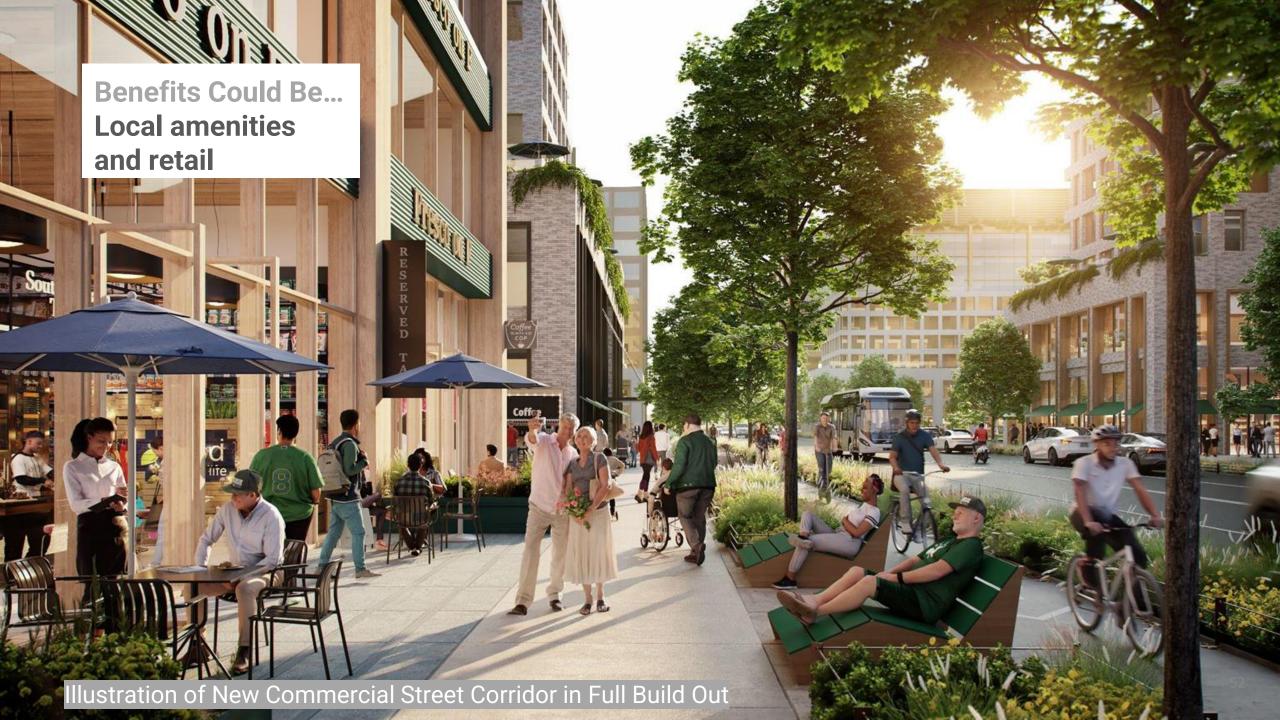


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Thank you & Q&A

