

WELCOME

RICHARD DIMINO

A BETTER CITY

TODAY'S GUEST SPEAKERS

ALISHA PEGAN, CLIMATE READY BOSTON COORDINATOR, CITY OF BOSTON

JOE CHRISTO, SENIOR RESILIENCE AND WATERFRONT PLANNER, BOSTON PLANNING & DEVELOPMENT AGENCY



CLIMATE READY DOWNTOWN AND NORTH END

B one architecture

OPEN HOUSE #2 JULY 16, 2019

- Project History + Goals
- Existing Conditions/What's at Risk?
- Protection Scenarios
 - District Overview
 - Downtown and Wharf District
 - North End Waterfront
 - North End-West End
- Resiliency Toolkits
- What's Next? Implementation Timelines and Strategies

PROJECT HISTORY + GOALS

PROJECT GOALS



ENGAGEMENT

Engage the community and stakeholders to obtain feedback and build awareness of long-term risk and climate resilience actions



SHORT-TERM SOLUTIONS

Develop specific short-term (early action) coastal resilience solutions



LONG-TERM SOLUTIONS

Develop long-term district-level coastal resilience solutions



IMPLEMENTATION

Develop implementation roadmaps to reduce risk and increase feasibility

PUBLIC OUTREACH TO DATE

COMPLETED

OPEN HOUSE I (March 12, 2019)

STAKEHOLDER INTERVIEWS/PRESENTATIONS

- Boston Harbor Now
- Boston Harbor Cruises
- Commercial Wharf Owners
- North End Waterfront Neighborhood Council
- Wharf District Council
- New England Aquarium
- Sydney Ashbury
- Green Ribbon Commission
- Greenway Conservancy
- Friends of Christopher Columbus Park
- Marine Transportation Workshop (Jully 16, 2019)

FOCUS GROUPS

- Utilities + Transportation (May 16, 2019)
 - MBTA, MassDOT, Utility Companies, BHC...
- Wharves + Piers (May 20, 2019)
 - Owners Representatives along waterfront



STAKEHOLDER INTERVIEWS/PRESENTATIONS

- USCG
- Eliot School
- DCR
- City of Boston Preservation Team
- Groundwater Conservation

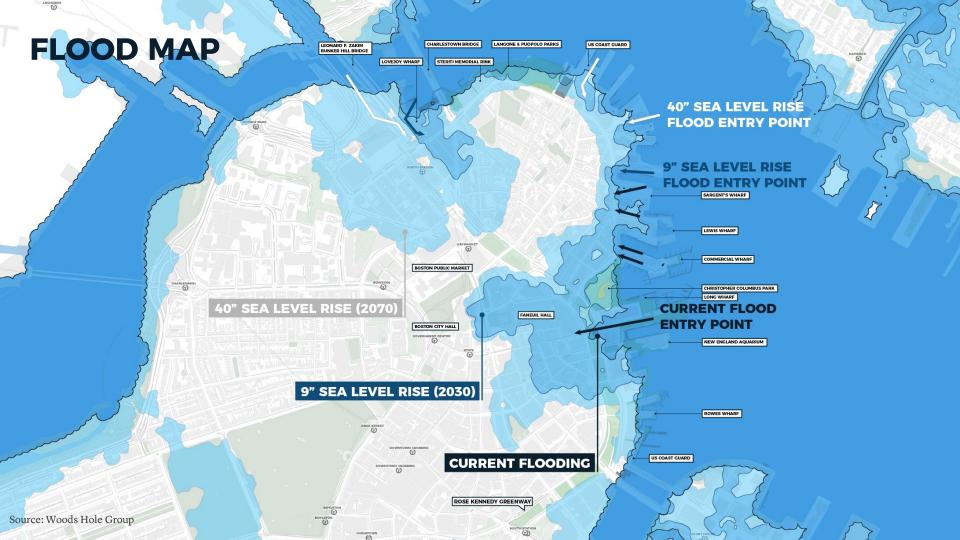
FOCUS GROUPS

- Long Wharf
- Lovejoy Wharf

WHAT RESILIENT SOLUTIONS ARE YOUR PRIORITY?

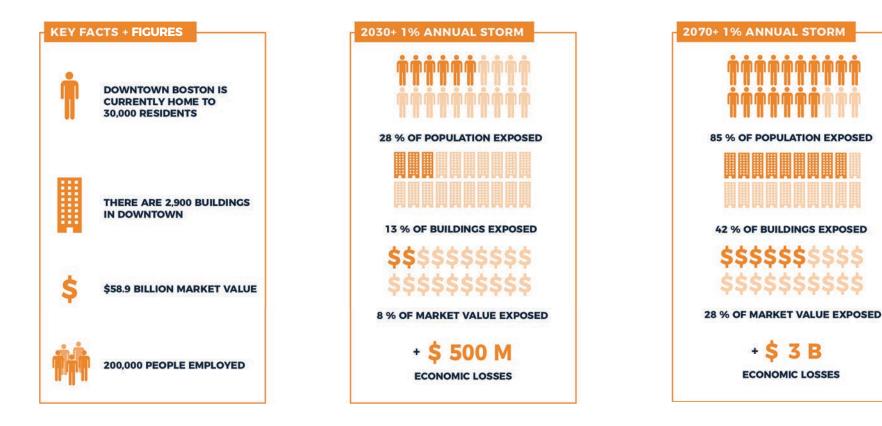


EXISTING CONDITIONS

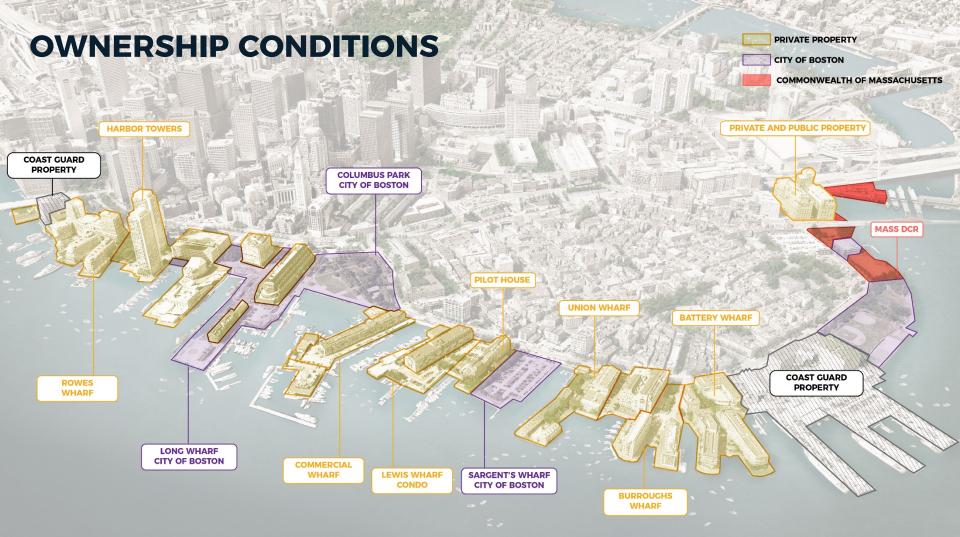




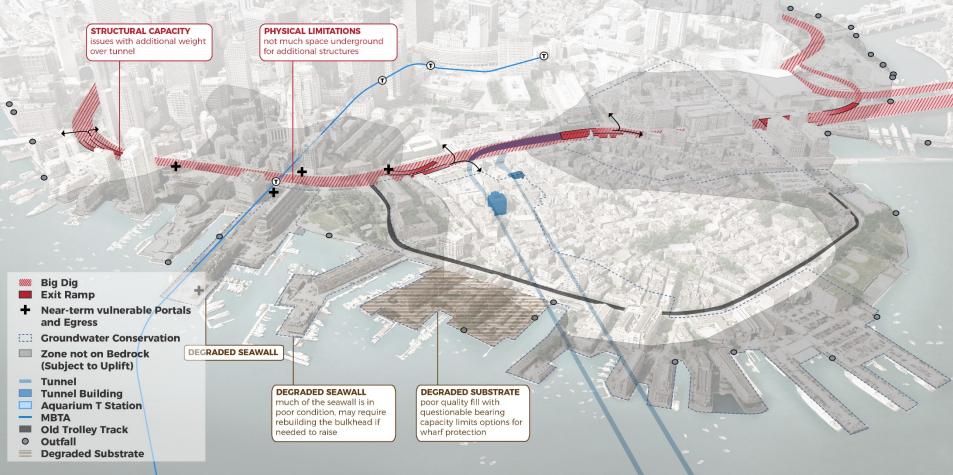
WHAT'S AT STAKE?



* PLEASE NOTE THAT NUMBERS SHOWN HERE INCLUDE CHINATOWN, NOT SHOWN ON MAP.



SUBSURFACE CONDITIONS



BULKHEAD CONDITIONS







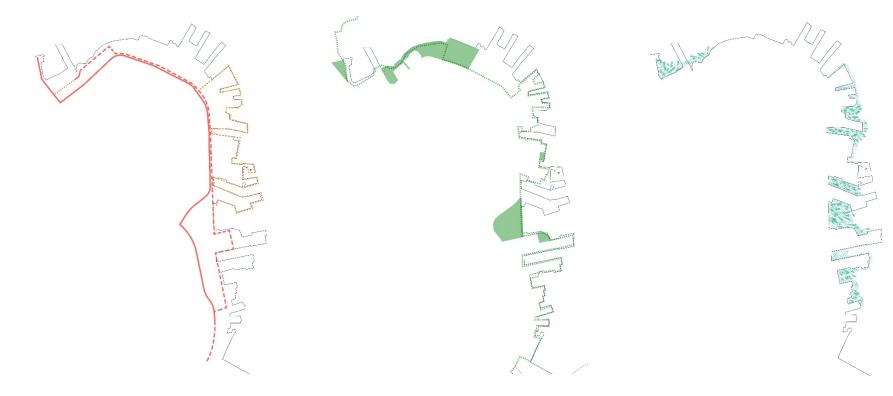






FLOOD PROTECTION SCENARIOS

FLOOD PROTECTION TOOLKIT





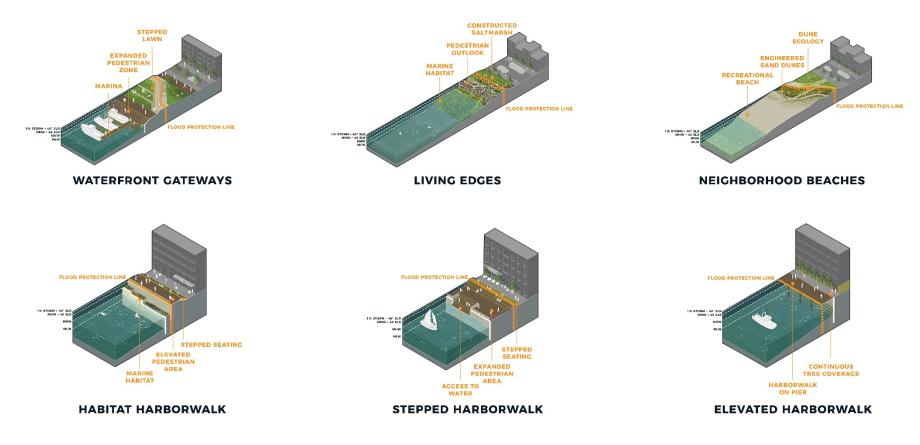
OPEN SPACES

Parks, Harborwalk

OUTBOARD ELEMENTS

Fill, living breakwaters, coastal marshes, floating wetlands

FLOOD PROTECTION TOOLKIT (Resilient Boston Harbor)



FLOOD PROTECTION PRECEDENTS



City Deck / Green Bay, WI Stoss Landscape Urbanism



Martin's Park Michael Van Valkenburgh Associates



Hunter's Point South Waterfront Park / Queens, NY Thomas Balsley Associates + Weiss Manfredi



Brooklyn Bridge Park / NYC, NY MVVA



Chicago Riverwalk / Chicago, IL Sasaki



Bronte Baths / Sydney, AUS

CONCEPTUAL ALIGNMENT

13

3 SUB-DISTRICT COMPARTMENTS

WESTEND-NORTHEND

NORTH END WATERFRON DOWNTOWN + WHARF DISTRIC

DOWNTOWN + WHARF DISTRICT

OWNERSHIP CITY/STATE LAND DRIVATE LAND



Christopher Columbus Waterfront Park



Long Wharf

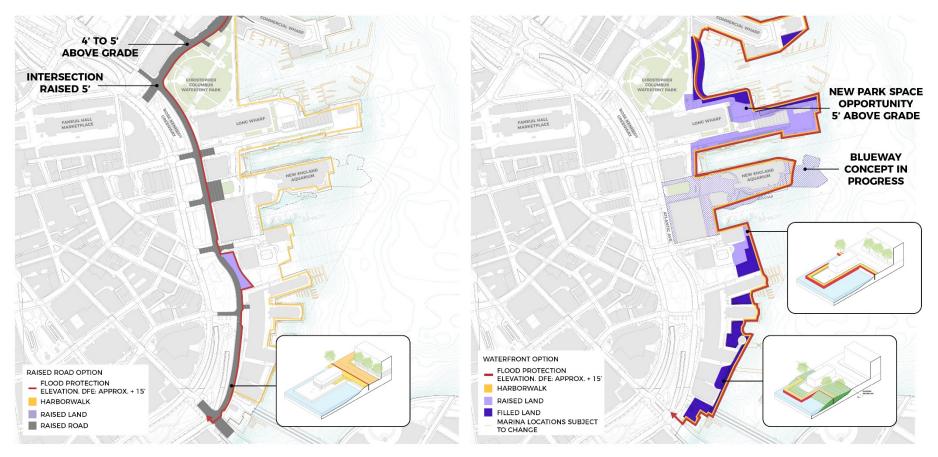


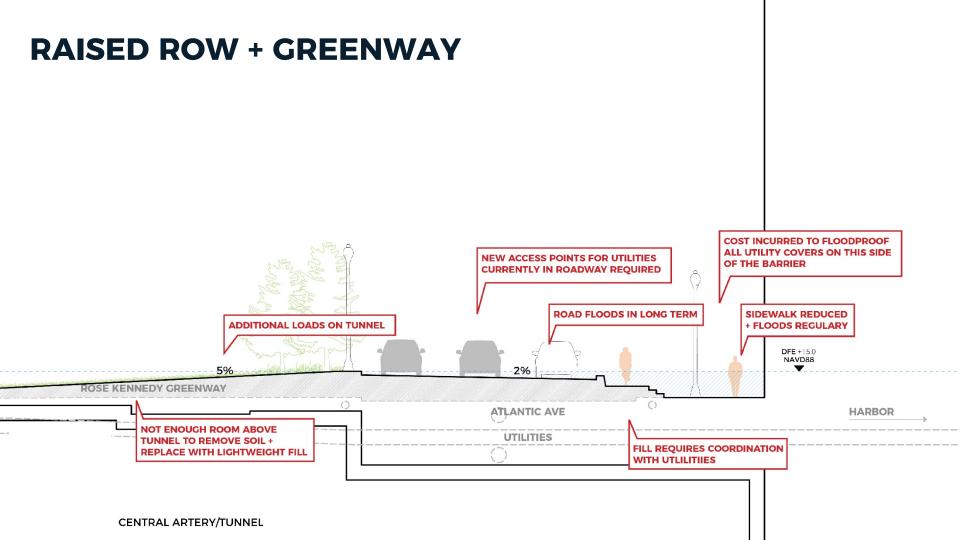


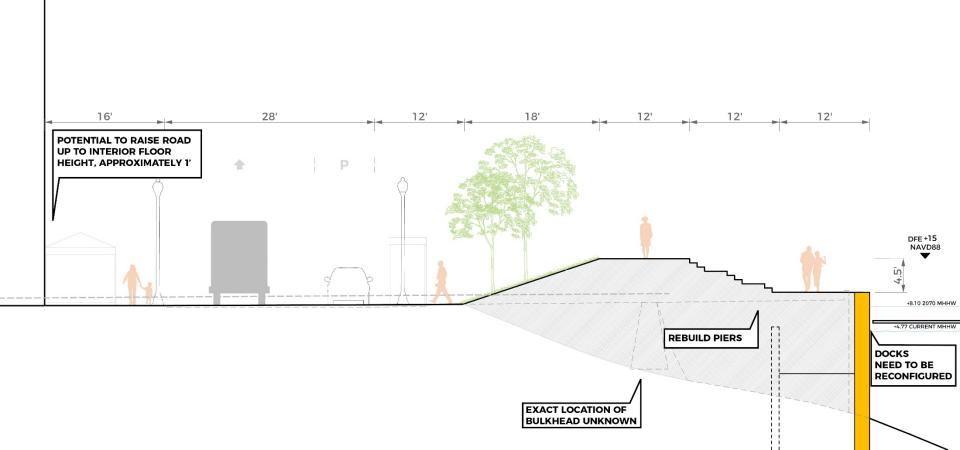
New England Aquarium

Harborwalk

DOWNTOWN + WHARF DISTRICT







NORTH END WATERFRONT





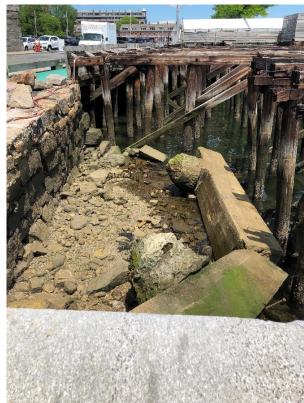
Sink Holes



Buildings Overhanging Wall

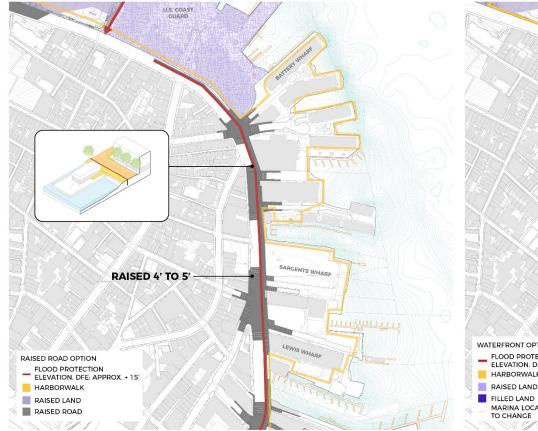


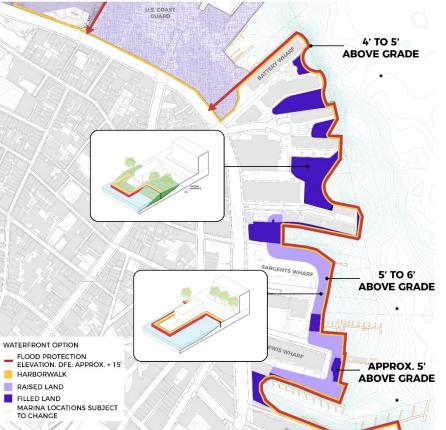
Buildings on Piers



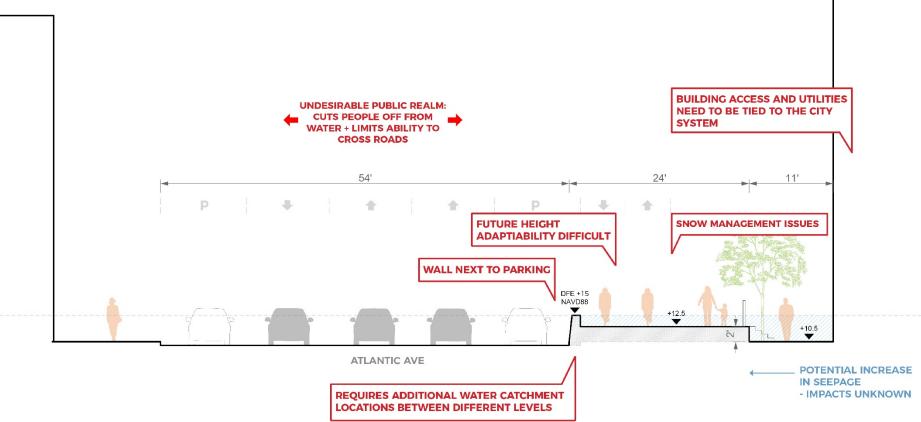
Degraded Structures

NORTH END WATERFRONT

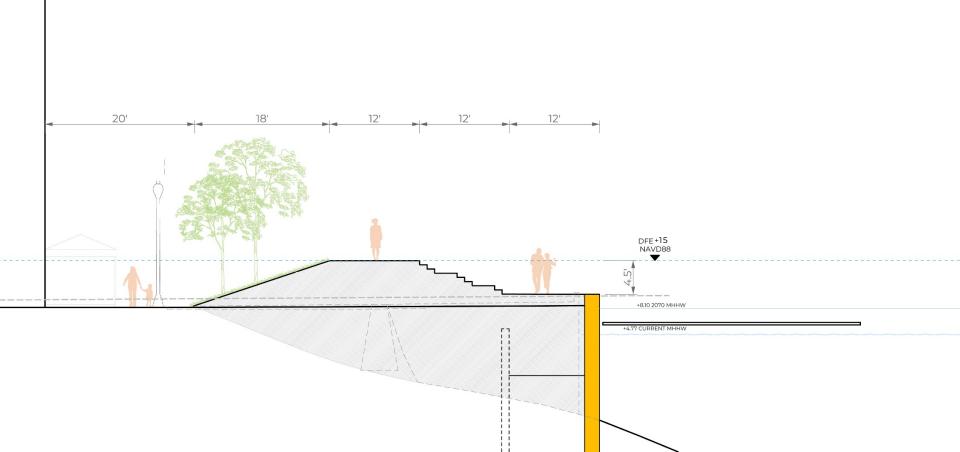




RAISED BIKEWAY



WATERFRONT



WEST END - NORTH END



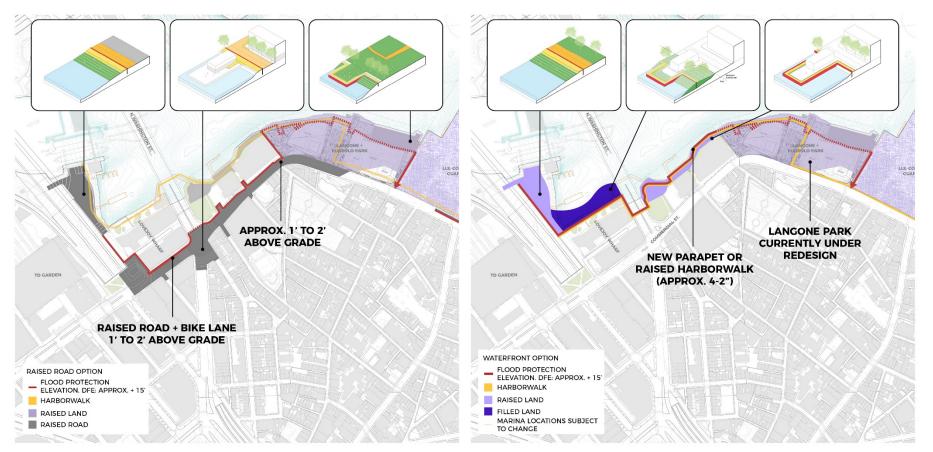


Langone + Puopolo Park City of Boston

Lovejoy Wharf Related Lovejoy Residential Boston Redevelopment Authority (BRA)

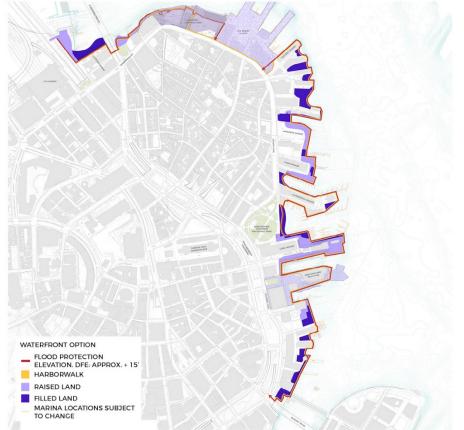
Steriti Memorial Rink + Harborwalk Park Department of Conservation and Recreation

WEST END-NORTH END



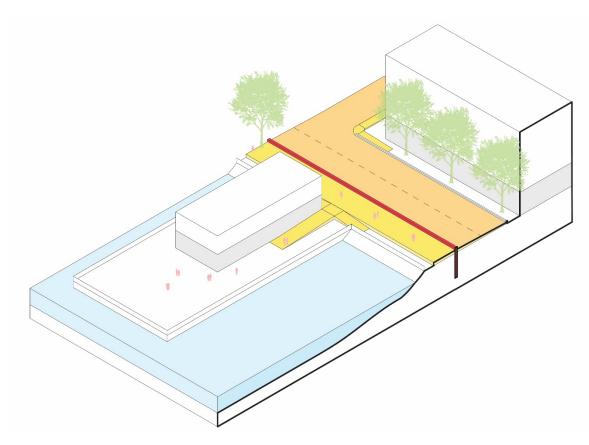
1 IF BY LAND, 2 IF BY SEA





RESILIENCY TOOLKIT

PUBLIC RIGHT-OF-WAY





Sunset Harbour, Miami Beach, FL

URBAN IMPACTS

NEGATIVE IMPACT ON PUBLIC REALM

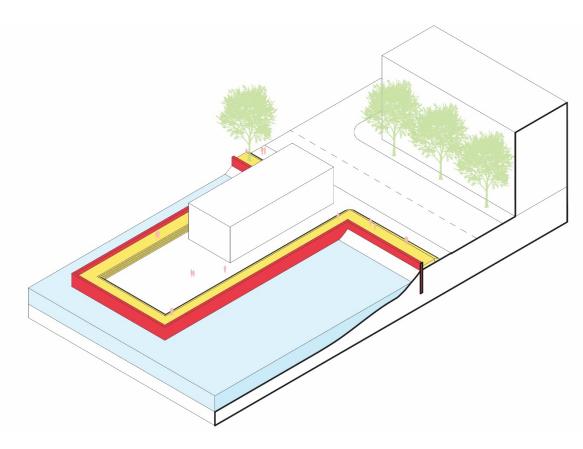
FEASIBILITY

 COMPLEX INTERFERENCE WITH UTILITIES (BELOW COMMERCIAL)

ADAPTIVE CAPACITY

 LIMITED ADAPTIVE CAPACITY BEYOND 40" SLR AND 1% STORM

INTEGRATED WITH HARBORWALK





City Deck / Green Bay, WI Stoss Landscape Urbanism

URBAN IMPACTS

MODERATE BENEFIT TO PUBLIC REALM

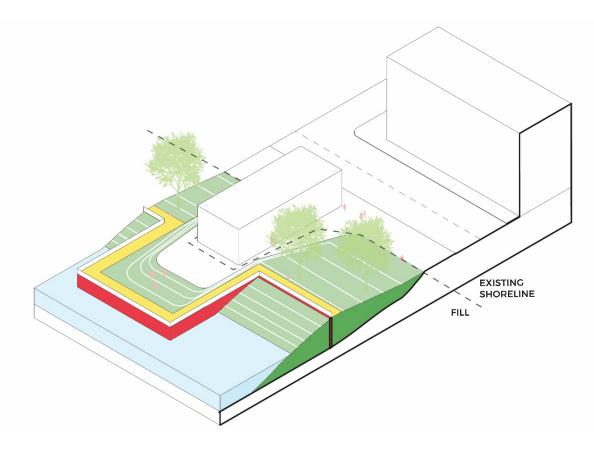
FEASIBILITY

- COMPLEX INTERFERENCE WITH
 BULKHEADS
- LONG PERIMETER
- REQUIRES COLLABORATION BETWEEN
 OWNERS

ADAPTIVE CAPACITY

 SOME ADAPTIVE CAPACITY BEYOND 40" SLR AND 1% STORM

OUTBOARD WITH SOFT SHORE





Hunter's Point South Waterfront Park James Corner Field Operations

URBAN IMPACTS

 TRANSFORMATIVE IMPACT ON PUBLIC REALM

FEASIBILITY

- COMPLEX PERMITTING
- POSSIBILITY FOR EXPANDED FUNCTIONS
- REQUIRES COLLABORATION BETWEEN
 OWNERS

ADAPTIVE CAPACITY

HIGHER ADAPTIVE CAPACITY

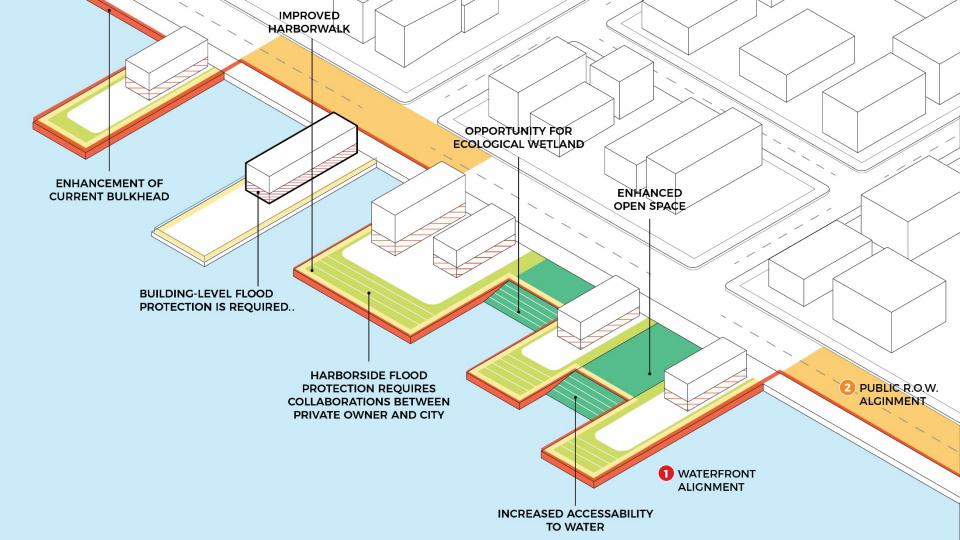
WATERFRONT INFRASTRUCTURE REQUIRES EVALUATION AND PROTECTION

> BUILDING-LEVEL FLOOD PROTECTION IS REQUIRED.

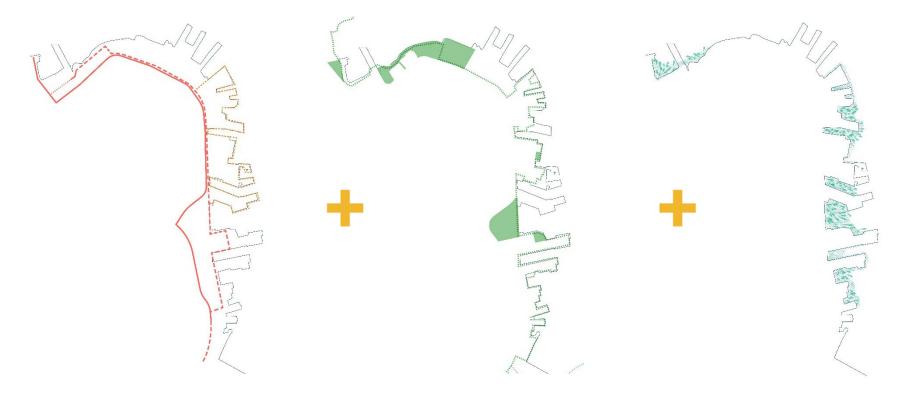
2 PUBLIC R.O.W. ALGINMENT

SUPPLEMENTAL BUILDING-LEVEL FLOOD PROTECTION IS REQUIRED.





FLOOD PROTECTION TOOLKIT



OPEN SPACES

Parks, Harborwalk

OUTBOARD ELEMENTS

Fill, living breakwaters, coastal marshes, floating wetlands

NEXT STEPS: PARTNERSHIPS + TIMELINES

REQUIRES EARLY ACTION

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TAN

NEAR-TERM & LONG-TERM

CHARLES/MC

LECHMERI

Long-term

Near-term

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SOUTH STATION

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TK STRE

6

BOYLSTON

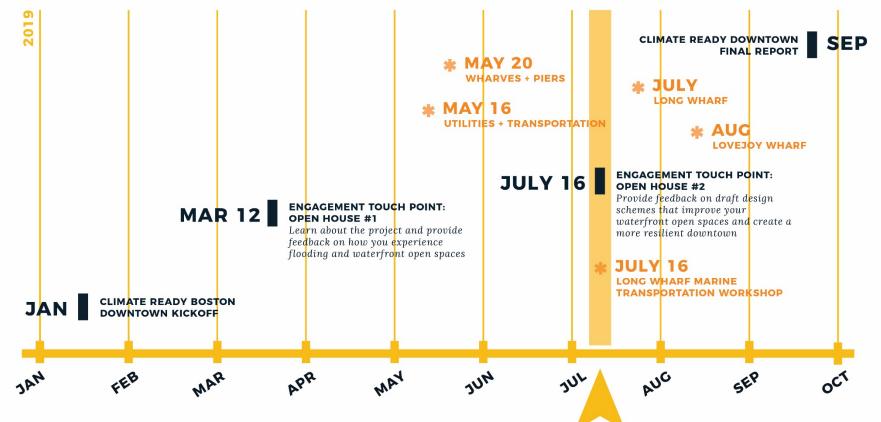
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Long-term

Long-term

Near-term + Catalytic Project

CLIMATE READY DOWNTOWN AND NORTH END



CLIMATE READY BOSTON



CLIMATE ACTION PLAN (2014)



CLIMATE READY BOSTON FULL REPORT (2016)



CLIMATE READY EAST BOSTON + CHARLESTOWN (2017)



CLIMATE READY SOUTH BOSTON (2018)



CLIMATE READY

END (In Progress)

DOWNTOWN + NORTH

MOAKLEY PARK VISION PLAN (In Progress)



CLIMATE READY DORCHESTER (Coming Soon)

WE ARE HERE!



RESILIENT BOSTON HARBOR (2018)

Questions?

LET'S HEAR FROM YOU!

5. ALIGNMENT SUBDISTRICTS + SURVEY





1. LEARN ABOUT CLIMATE READY BOSTON!



2. FLOODING IN

DOWNTOWN



3. WHAT WE'VE HEARD

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4

SPIRE

4. FLOOD PROTECTION

EXPLORE THE DOWNTOWN PROTEC

OPEN MACES

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WHAT WE'VE HEARD

3

