# WELCOME TO THE ULI COASTAL FORUM

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# **Beyond the Property Line**

Inclusive Planning for Resilient Coastal Development





#### The HYM Investment Group (HYM)

Successfully managing many of Boston's innovative urban mixed-use developments

#### **Quick Facts**

- Boston-based real estate development and investment firm founded in 2009
- Our team is made up of 50% women, 35% people of color
- Currently leading the development of more than 20 million square feet
- 35+ years experience primarily in Boston-New York corridor
- Our projects have created 25,000 jobs, totaling \$12
   billion of investments
- Proven track record permitting/developing complicated, mixed-use projects
- Majority of our projects are coastal locations & on the front lines of climate change









# 16.2 MSF of Dynamic Uses

2

MBTA Blue Line stations

40

acres of open space

#### Direct

Access from Route 1A

#### **5.2MSF**

life science/commercial office

450,000

sf of creative retail and civic spaces

800

keys at 3 hotels

10,000

diverse residential units

\$337M+

on and offsite infrastructure investment



#### Land Use Plan



#### **Open Space Commitments**

Over 40 acres of Open Space, totaling 25% of Entire Site



#### 40-Acre Open Space System

#### **Unlocking Value**

through expansive open space network

#### 25% Sitewide

of Active and Passive Recreation

## Walkable and Bike Friendly

protected bike lanes and pedestrian loops

#### Resilient

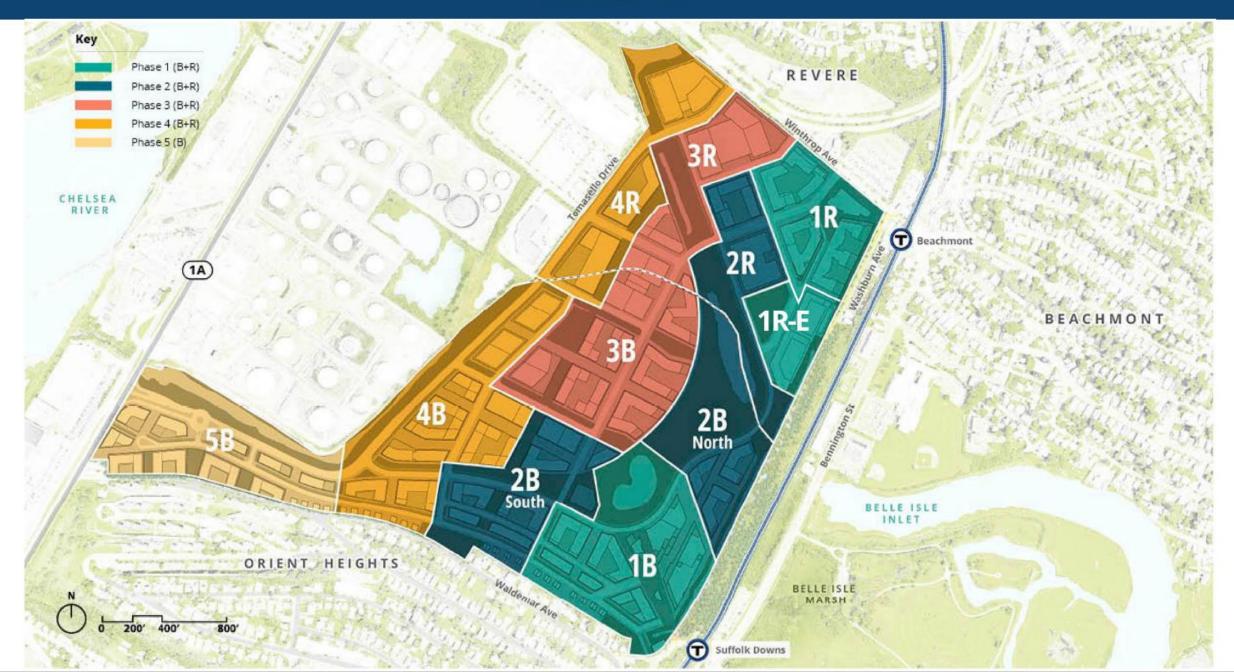
forward-thinking open space design

#### Multi-Use

playgrounds, flexible fields sport courts, walking paths



#### **Phasing Plan**



### Study and Project Goals

#### 1. Construct a resilient project

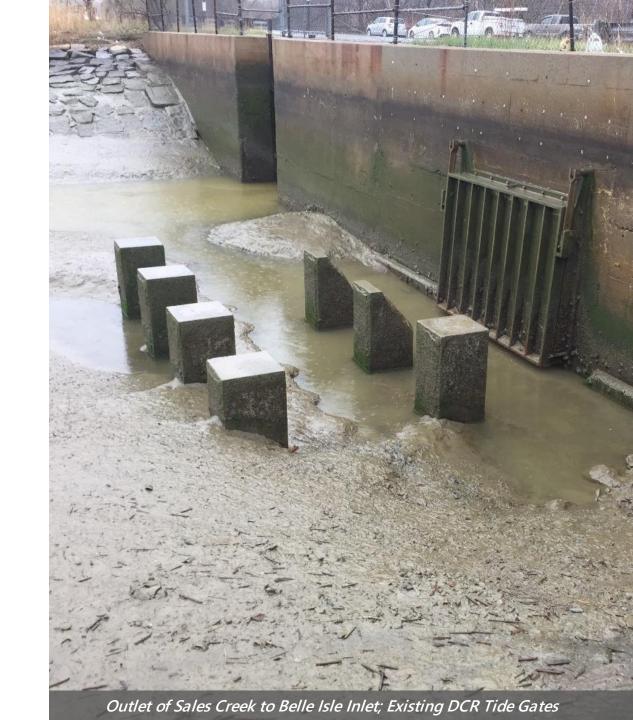
- 16.2 million square feet mixed-use development
- Targeting BPDA finished floor elevations

#### 2. Analyze potential impacts to abutters

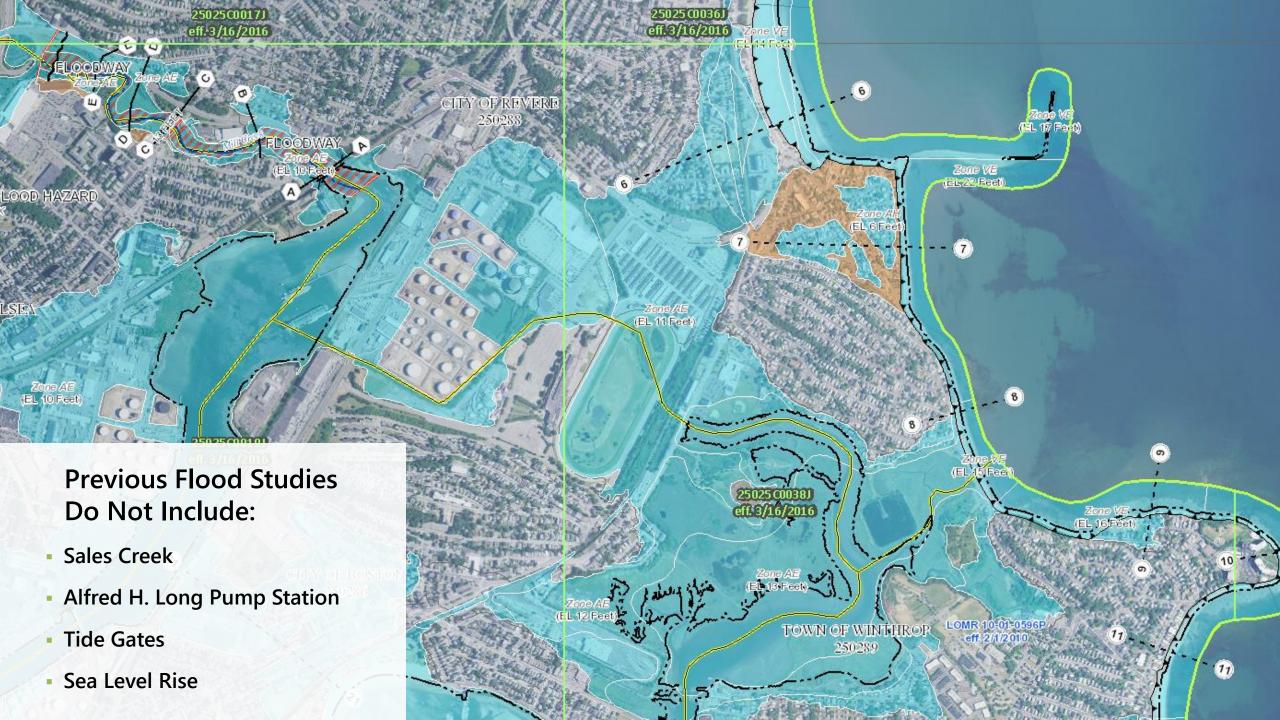
 Over 1,000 low-lying hydraulically connected properties in Revere and Boston

#### 3. Mitigate (if necessary) impacts to abutters

Provide flood protection measures for the project site and abutters



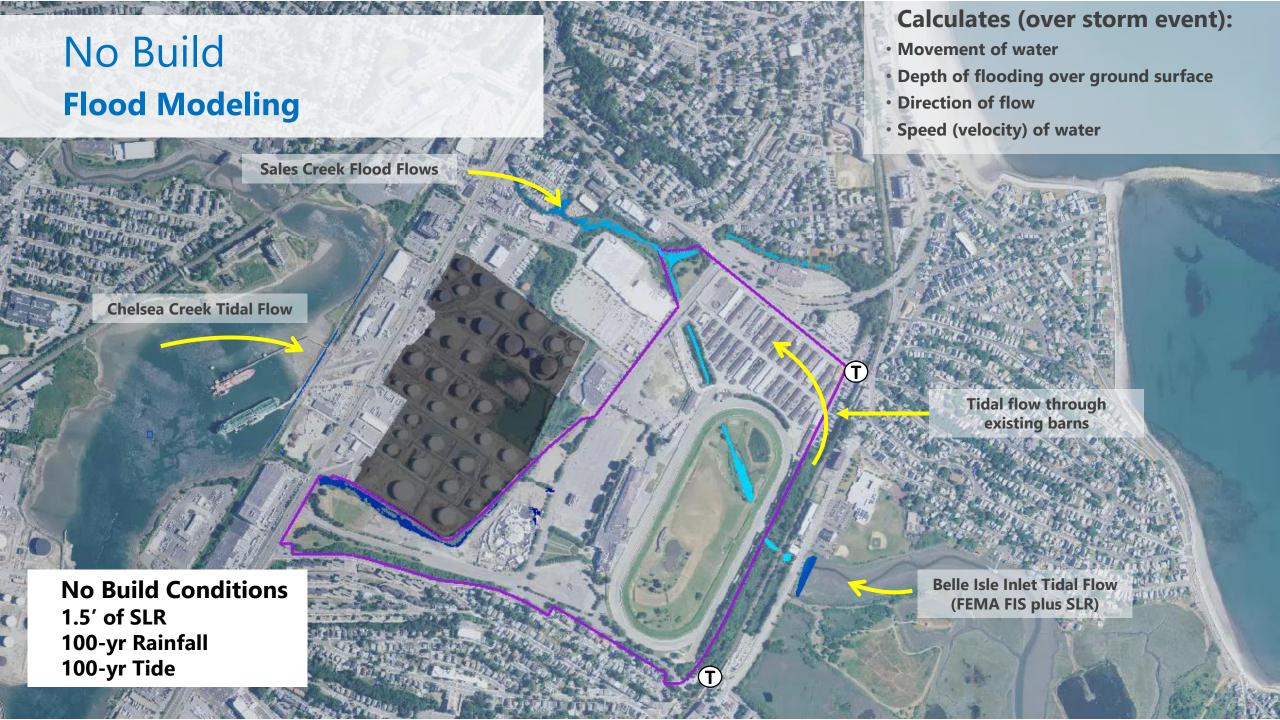


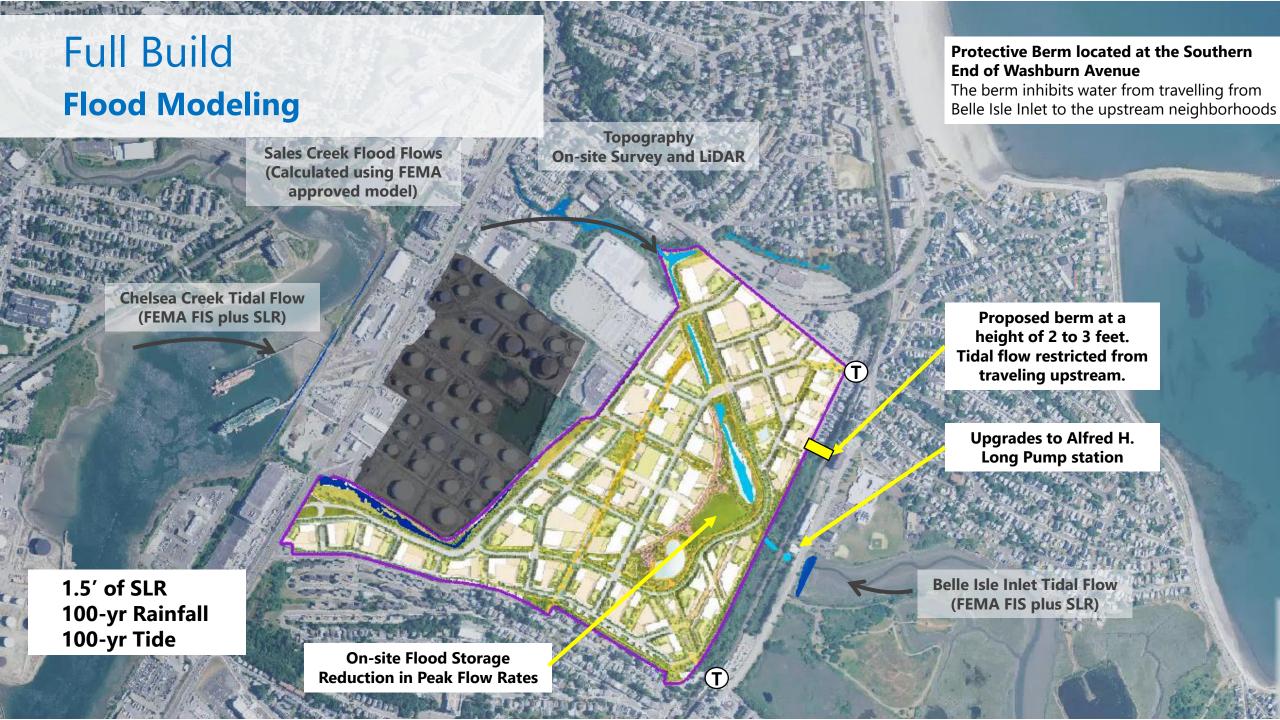


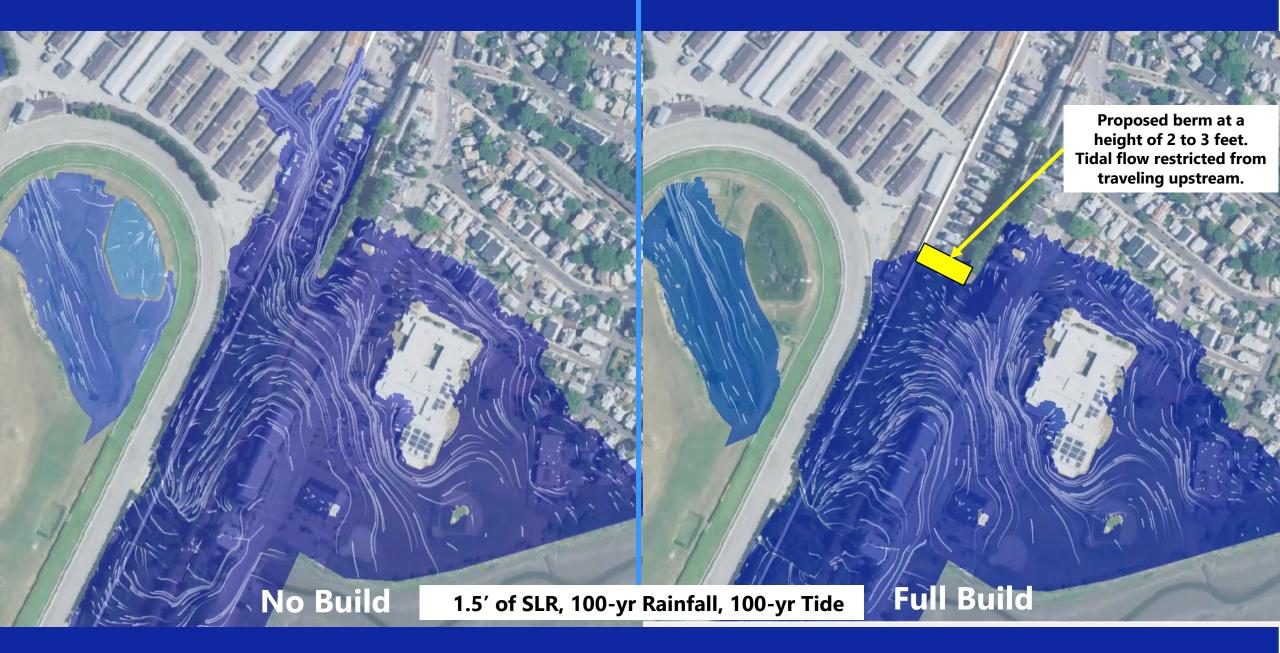
### Resiliency Study Overview

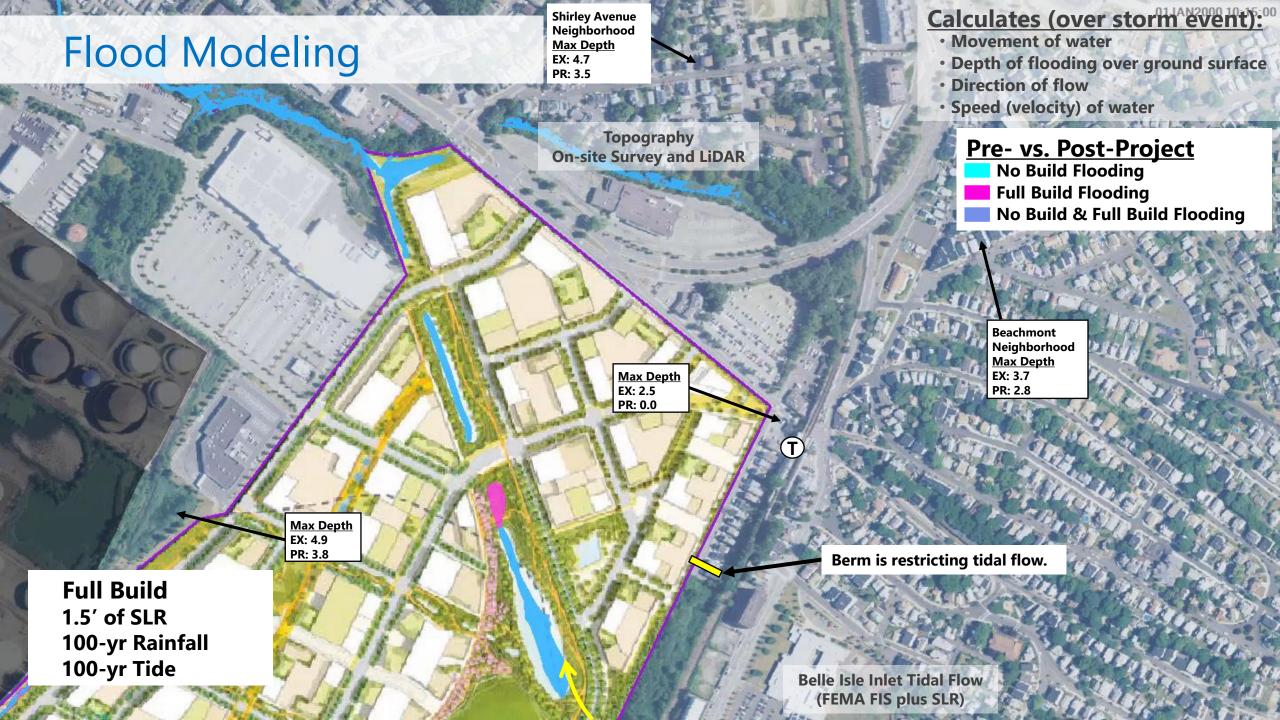


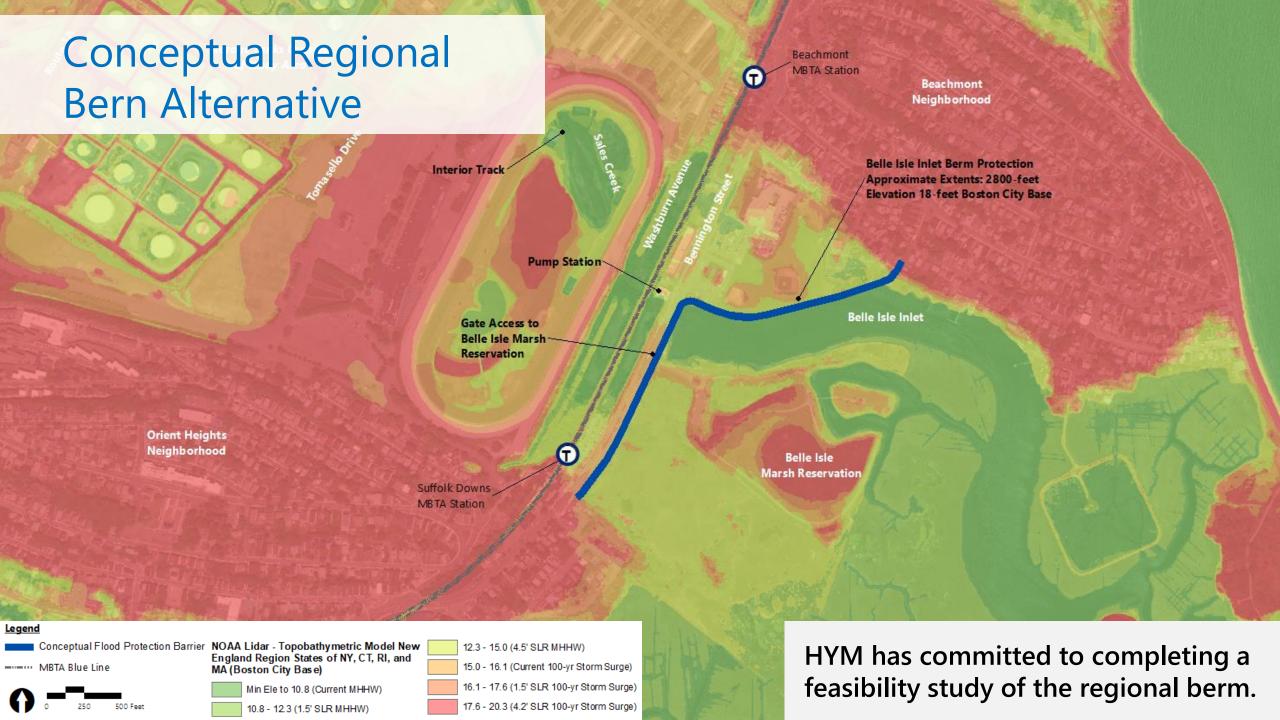
- FEMA approved hydraulic and hydrologic modeling software with FEMA FIS inputs
- Model calculates flow, elevation, direction, and velocities of flood waters from river and tidal influences
- Analyzed peak flood elevations of **no build** vs. **build** for current and future climate conditions. No rises in upstream
  communities for full-build condition for current and future climate conditions.











## Summary Mitigation

Mitigation	Schedule	Responsibility /Cost	Notes
Target at-grade Finished Floor Elevations (FFE) in accordance with BPDA 2070 Design Flood Elevations	All Phases	Proponent	Elevation 20.5 BCB non-critical buildings Elevation 21.5 BCB critical buildings If elevations are not met, implement dry-floodproofing materials.
Washburn Avenue Berm	Prior to completion of Phase 1	Proponent	No increases in flood elevations, extents, duration for all hydraulically connected abutting properties through 4.2-feet of sea level rise as a result of this mitigation.
Interim Storage—Phase 2	Prior to construction of Phase 2	Proponent	
Interim Storage—Phase 3	Prior to construction of Phase 3	Proponent	
Facilitate upgrade of Alfred H. Long Pump Station, additional tide gate, or Bennington Street berm construction	Return to MEPA prior to Phase 4R in order to determine how to best use mitigation funds	Proponent up to \$5.25 million plus installation of additional tide gate	No increases in flood elevations, extents, duration for all hydraulically connected abutting properties through 4.2-feet of sea level rise due to pump station upgrades and additional tide gate or Bennington Street Berm.
Feasibility Study of Bennington Street Berm	Prior to Phase 2 Construction	\$325,000±	

# City, State, and Non-Profits: A Ripple Effect

#### Municipalities

- Boston placed the Bennington Street Berm on its Climate Ready Boston Coastal Resilience Solutions for East Boston Plan
- Boston and Revere requiring developers along Chelsea Creek to incorporate berm and public access
- Residents in Revere and Boston will have a reduced flood risk

#### Non-profit

- Mystic River Watershed Association & Friends of the Belle Isle Marsh teamed up on a study
  - Pulling together private and public stakeholders
  - Incorporates also Nature Based Saltwater Marsh Mitigation Strategies

#### **State Agencies**

- Governor Healey had a press conference at Belle Isle Marsh and announced \$100 million in funds for continued Municipal Vulnerability Planning.
- MassDOT & MBTA is looking to utilize a former rail ROW as part of new Chelsea Creek Berm
- MBTA shifting its focus from on just its facilities to regional approach

Overall, significant collaborative engagement and cooperation

Atlantic Ocean is coming.....time for focused action & cooperation is now



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