

# Martin's Park Deployable Flood Barrier Proposal



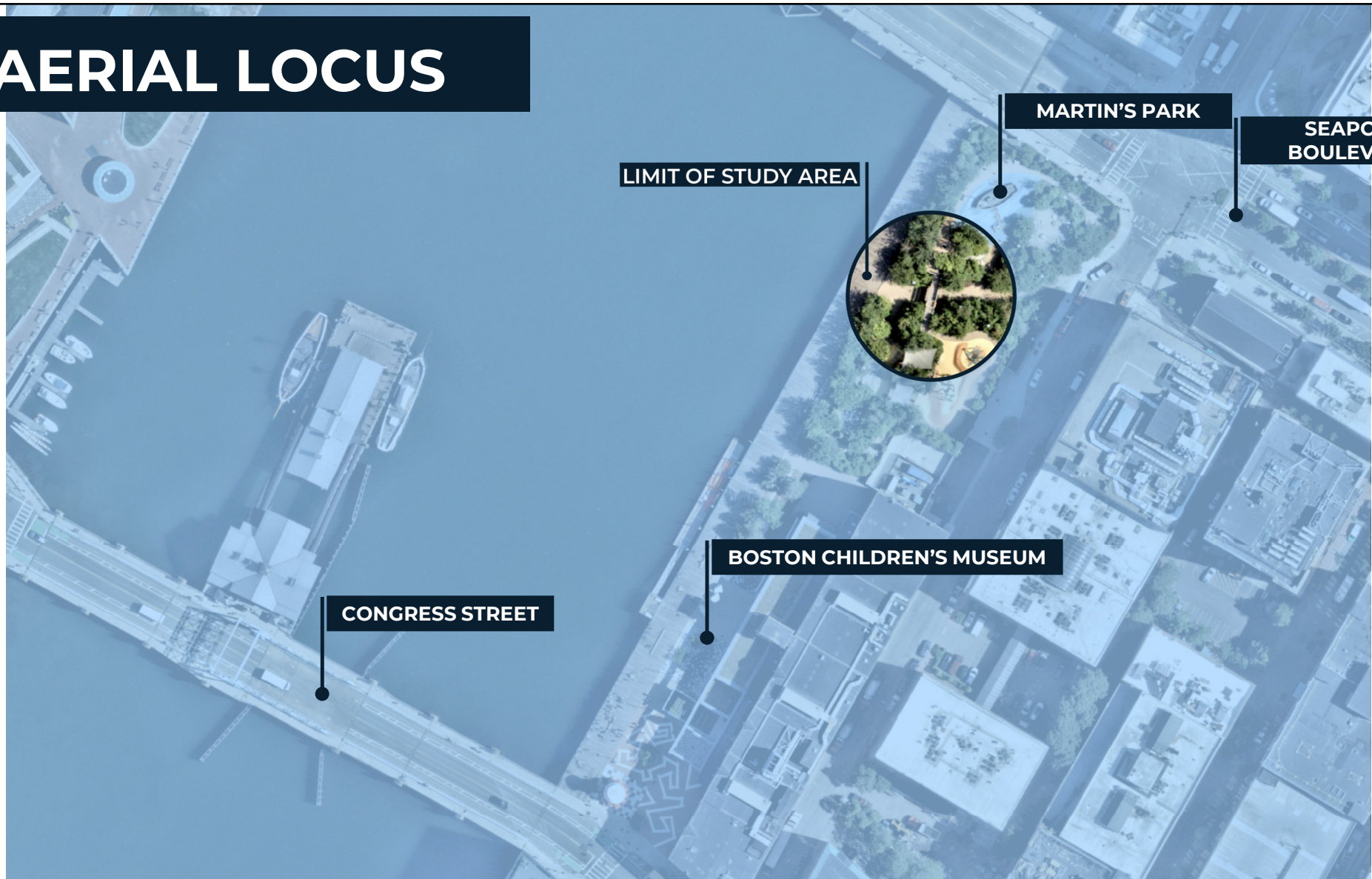
**September 2025**



Planning Department

**CITY of BOSTON**

# AERIAL LOCUS





# NEIGHBORHOOD SCALE PROTECTION

Weston & Sampson<sup>SM</sup>

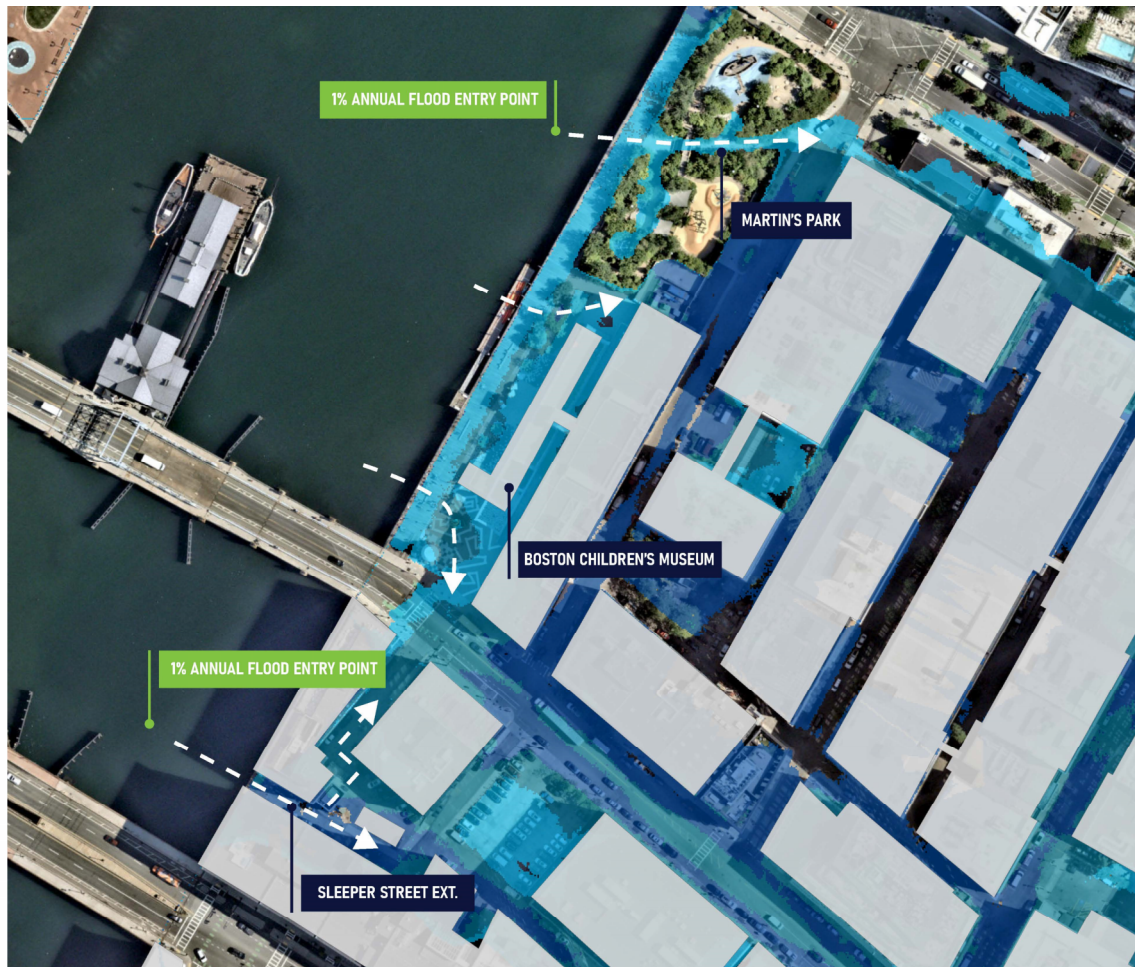
## 2030 1% Storm

Depth of Inundation  
along Fort Point Channel

Boston Buildings  
Depth of Inundation (Feet)  
0 - 1  
1 - 2  
2 - 3



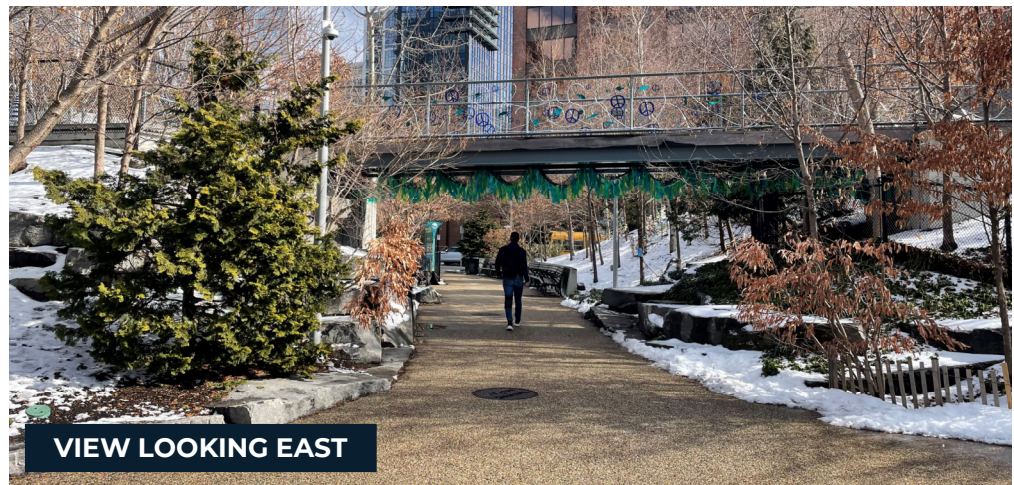
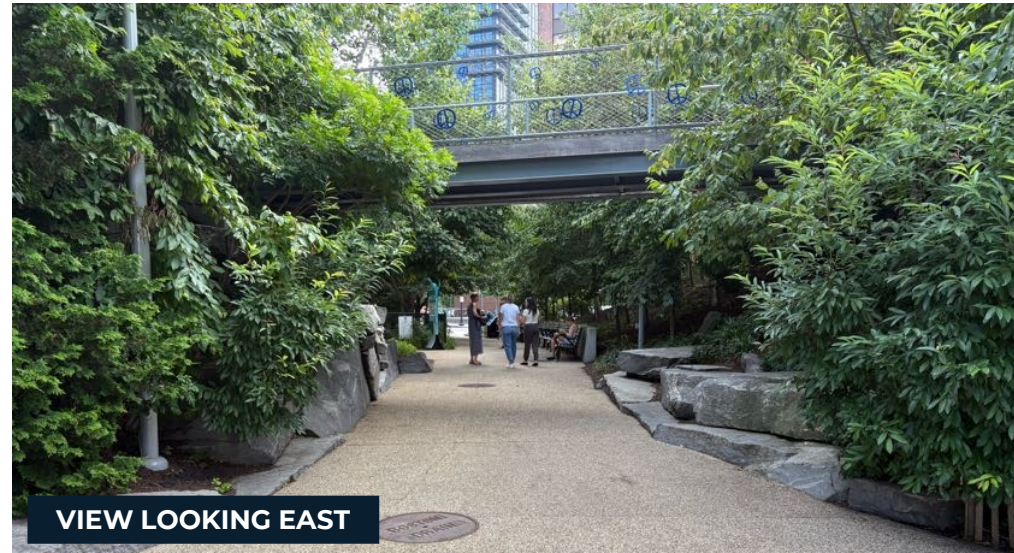
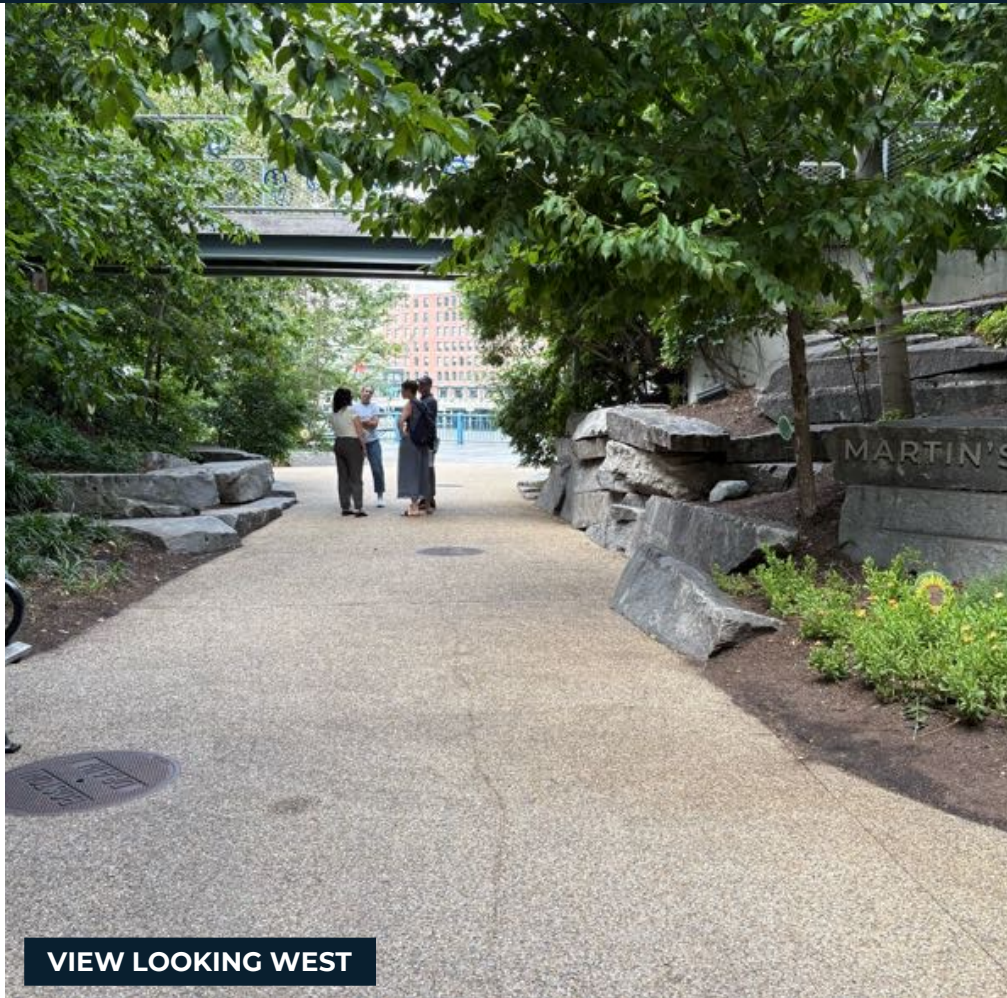
0 0.01 0.03 Miles



The City of Boston is proposing **a coordinated system of deployable flood barriers along the Fort Point Channel** to achieve effective flood mitigation for the neighborhood.



# EXISTING CONDITIONS





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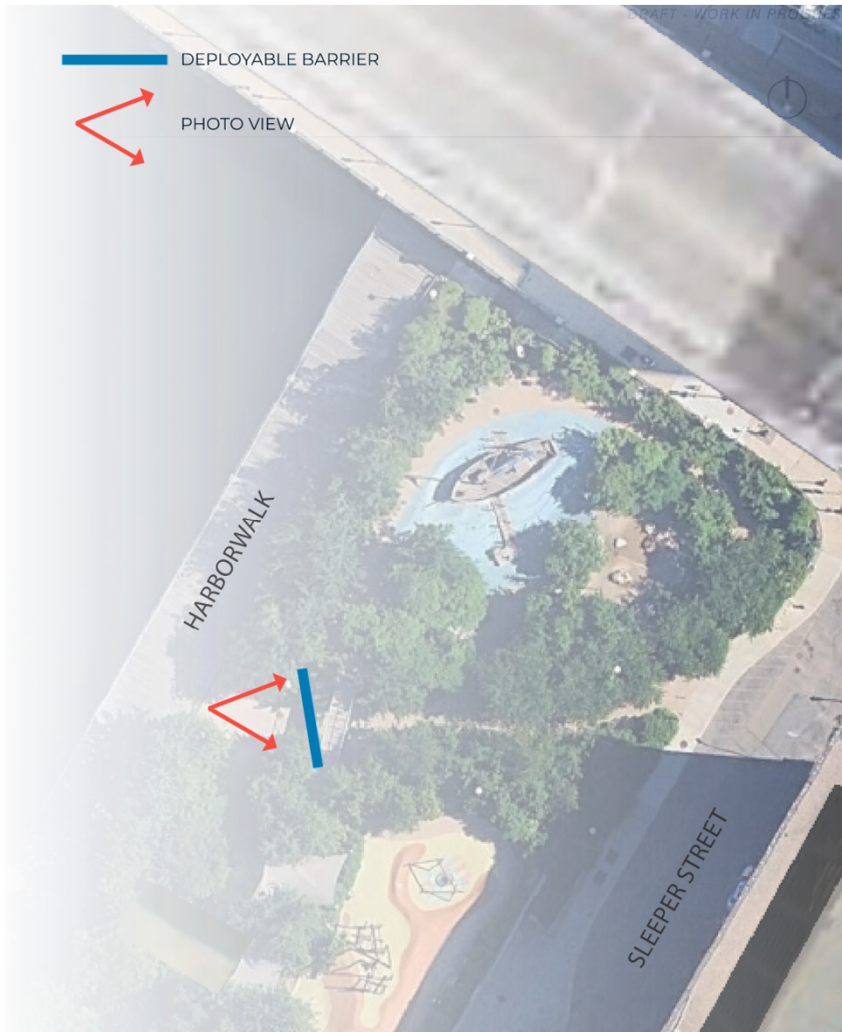
VIEWS OF NORTH SIDE ABUTMENT



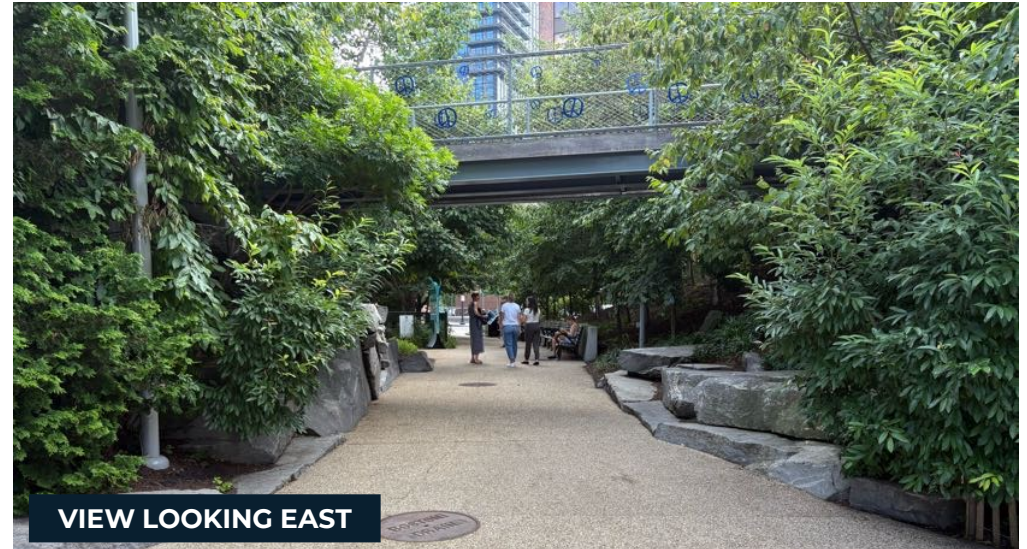
VIEWS OF SOUTH SIDE ABUTMENT







## PROPOSED DESIGN



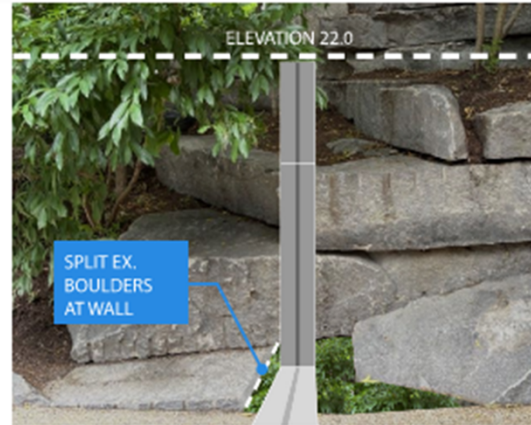
Alignment for **deployable stop log barrier** chosen due to its advantageous location and **minimal impact** to the granite rocks, utilities, and landscape.



# PROPOSED DESIGN



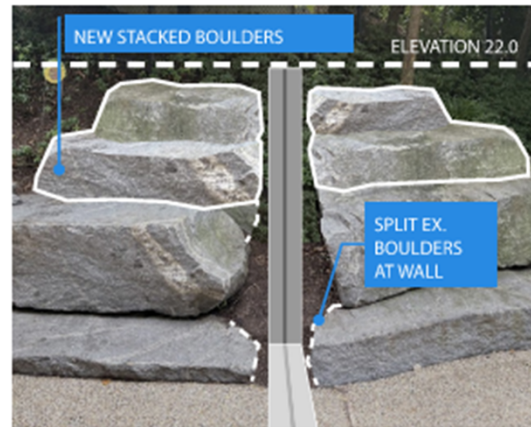
North Side - Existing Conditions



North Side - Proposed Barrier Integration



South Side - Existing Conditions



South Side - Proposed Barrier Integration



- Level concrete sill across the walkway, incorporating an embedded footing
- Concrete wall for structural support on north and south sides of walkway
- Installation of valve on existing subsurface drainpipe
- Additional signage focused on climate change and sea level rise

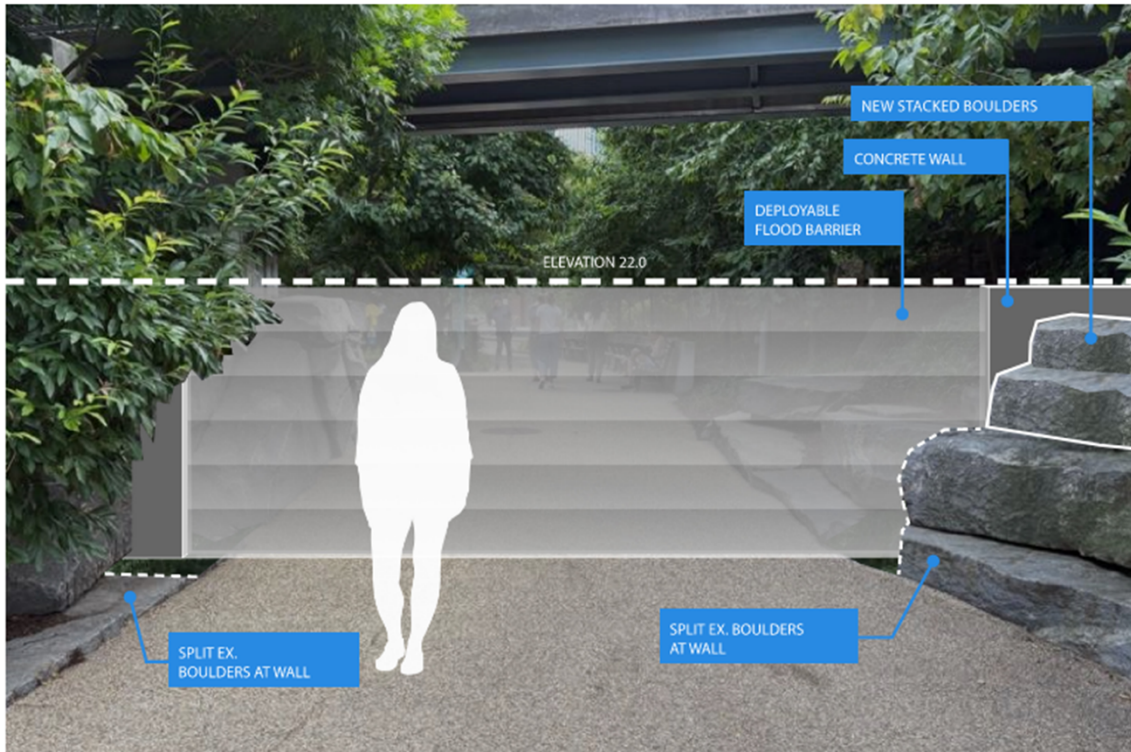


# PROPOSED DESIGN

## Emphasis on maintaining the park's visual character

- New granite blocks, from same quarry as existing, will be installed along the concrete wall face
- Minimal impact to existing granite blocks
- Maintenance of existing walkway material and appearance aside from ~2 wide level concrete sill

**All features will be restored or enhanced to match their original condition upon completion**



*Eastern Approach - Proposed Barrier Integration*

**RENDERING DEPICTING BARRIER WHEN DEPLOYED**



# STOP LOG BARRIERS



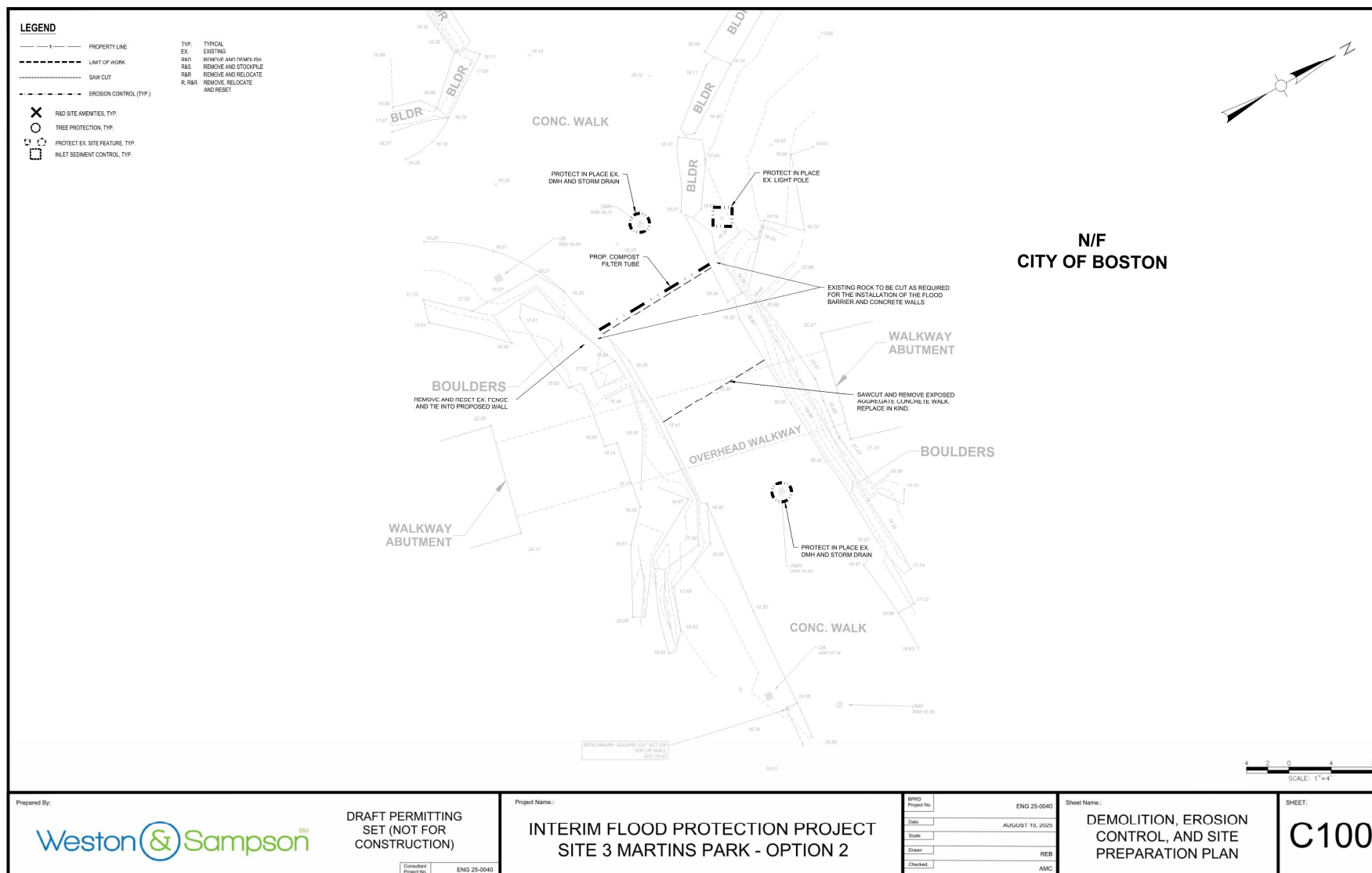
AQUARIUM STATION, BOSTON



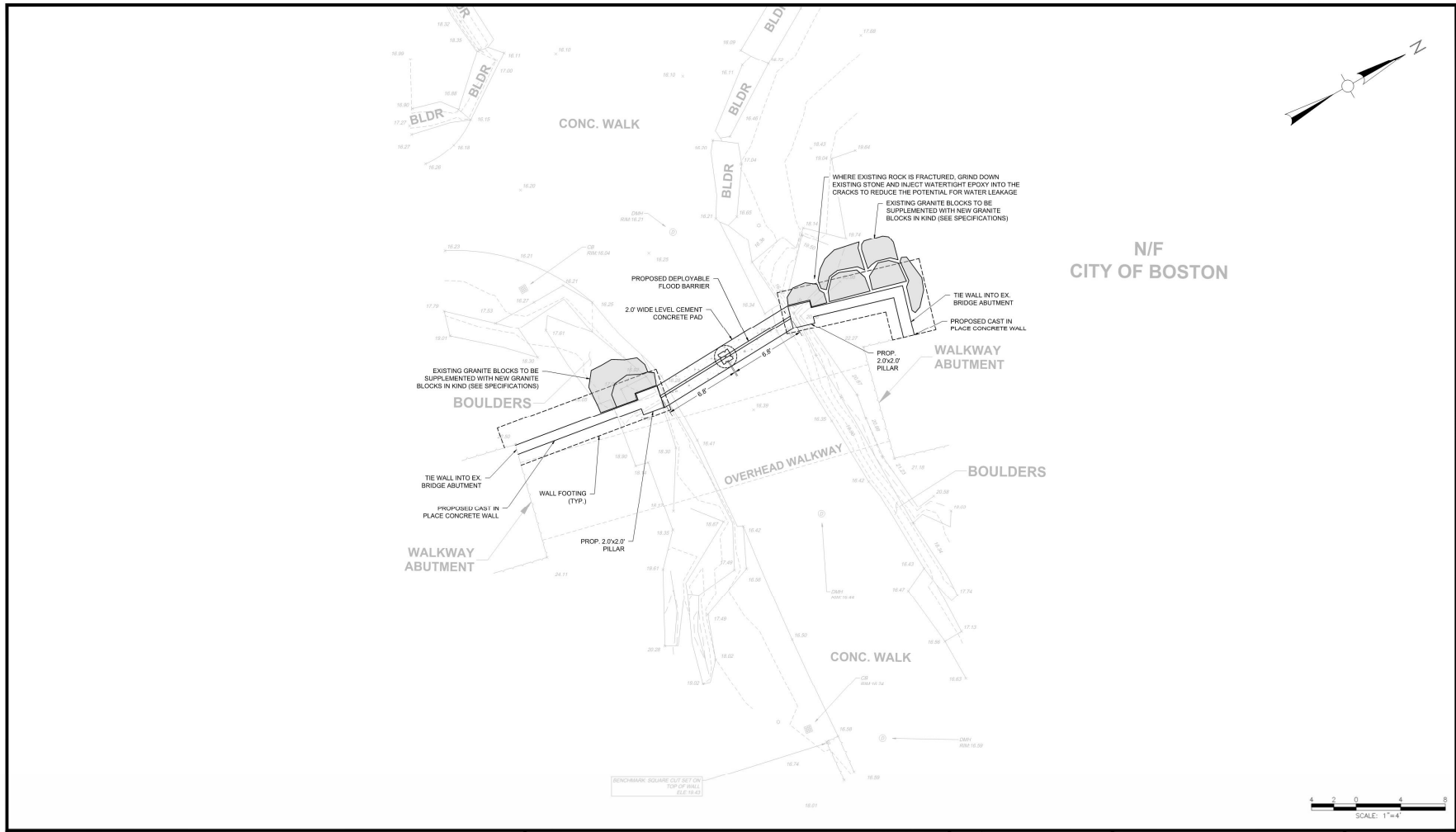


# APPENDIX SLIDES

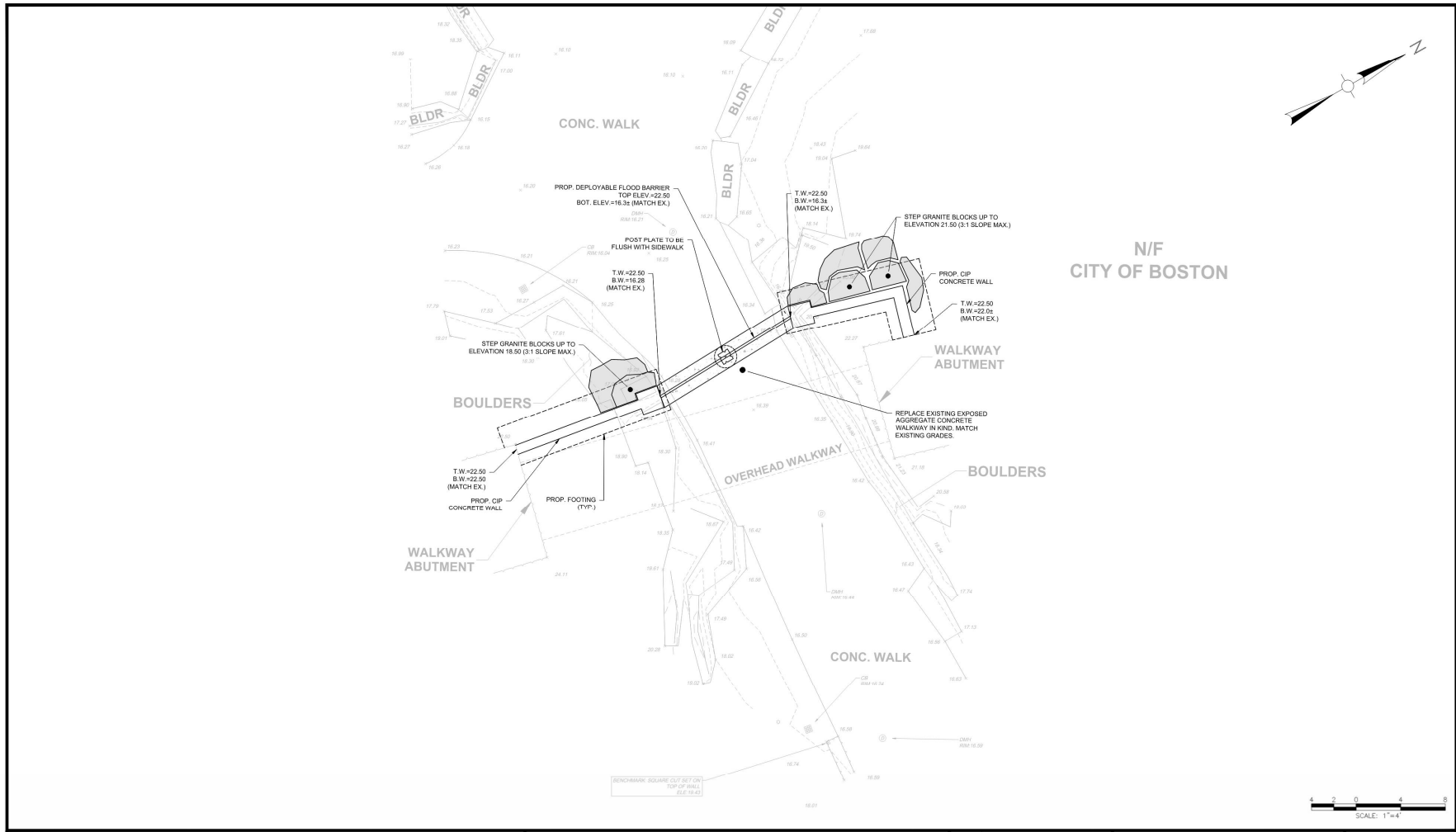








Prepared By: 	DRAFT PERMITTING SET (NOT FOR CONSTRUCTION) Consultant Project No. ENG 25-0040	Project Name: <b>INTERIM FLOOD PROTECTION PROJECT          SITE 3 MARTINS PARK - OPTION 2</b>	SIND Project No. ENG 25-0040 Date AUGUST 15, 2025 Scale Drawn RBB Checked AMC	Sheet Name: <b>LAYOUT AND          MATERIALS PLAN</b>	SHEET: <b>C101</b>
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