

RESILIENT FORT POINT CHANNEL UPDATE

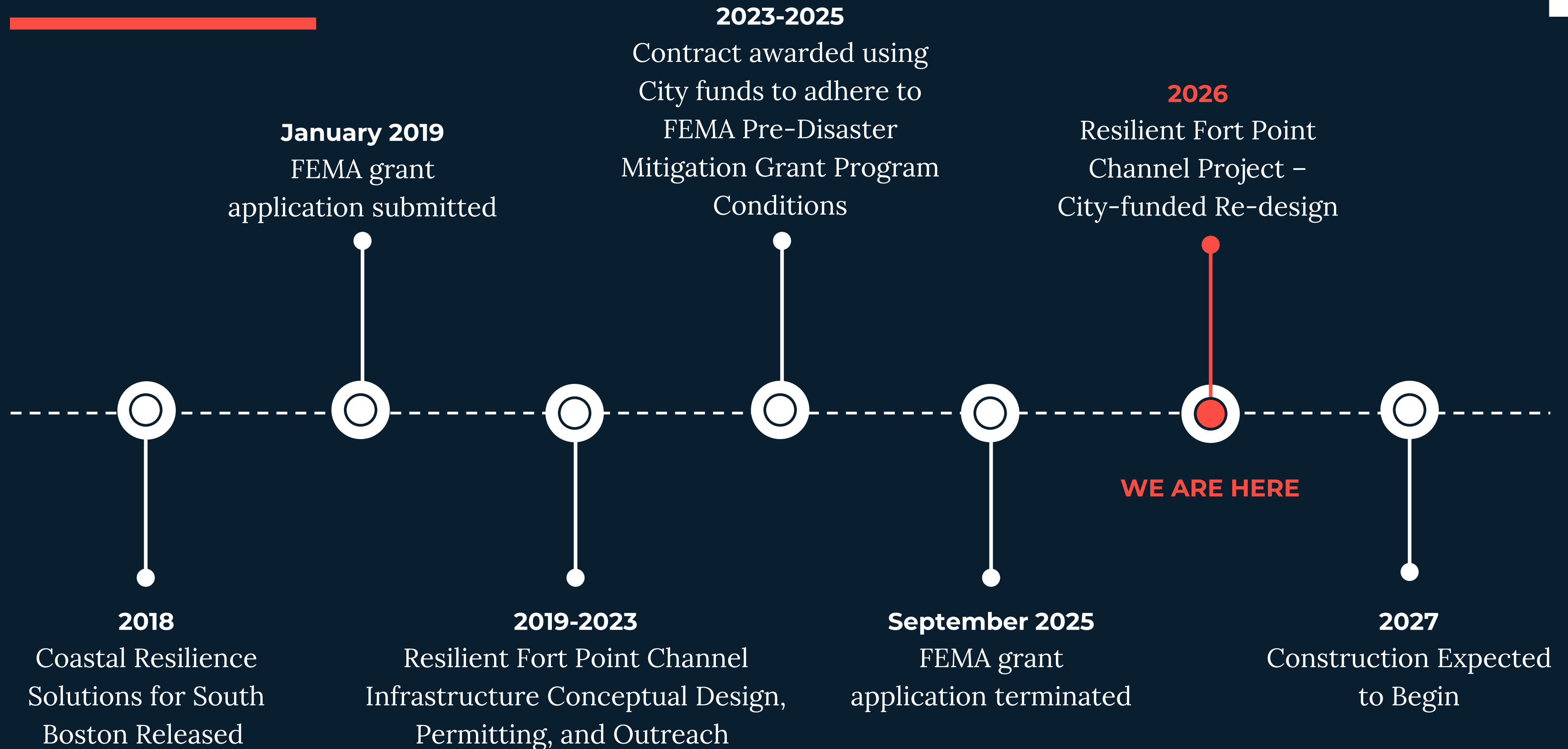
October 2026



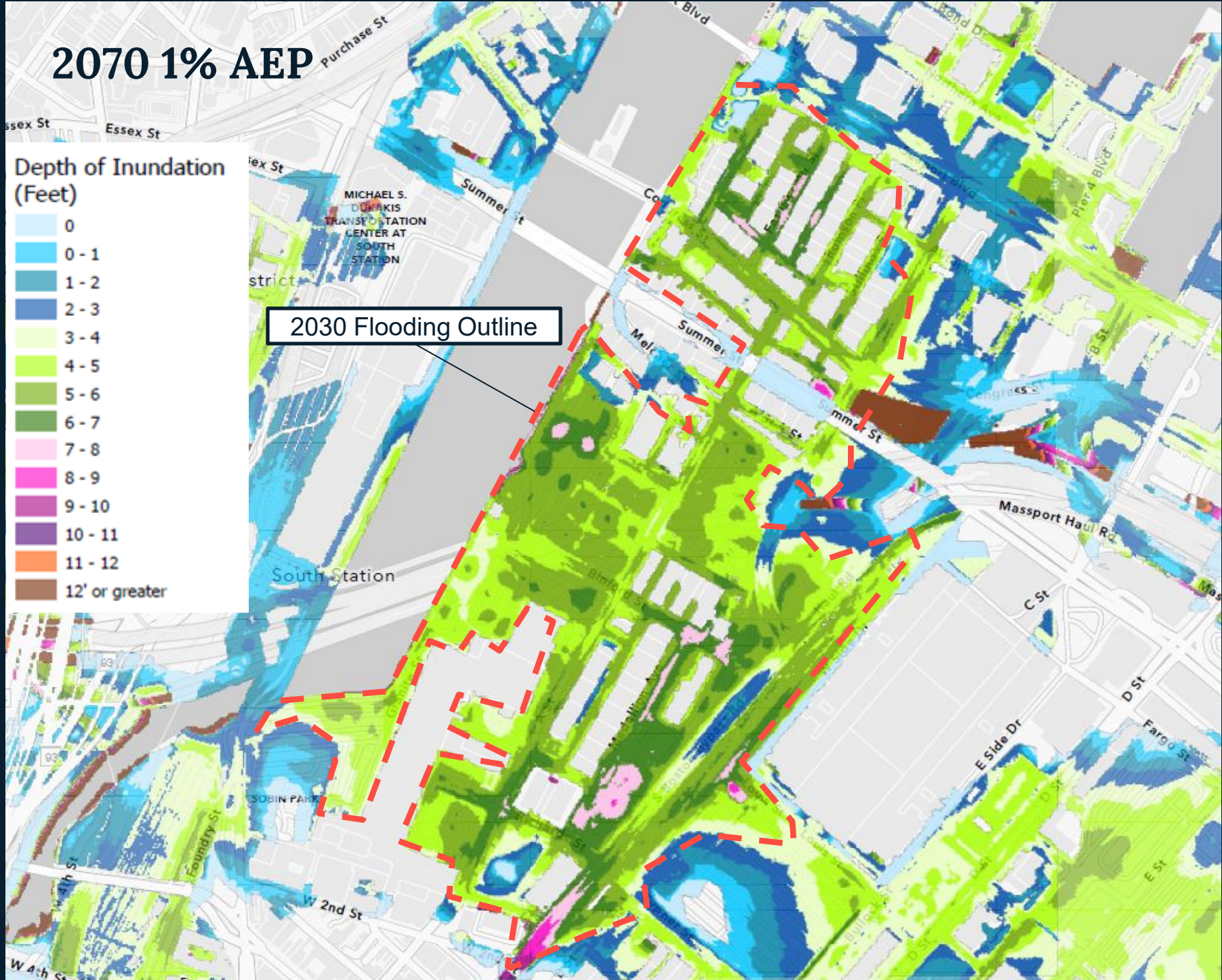
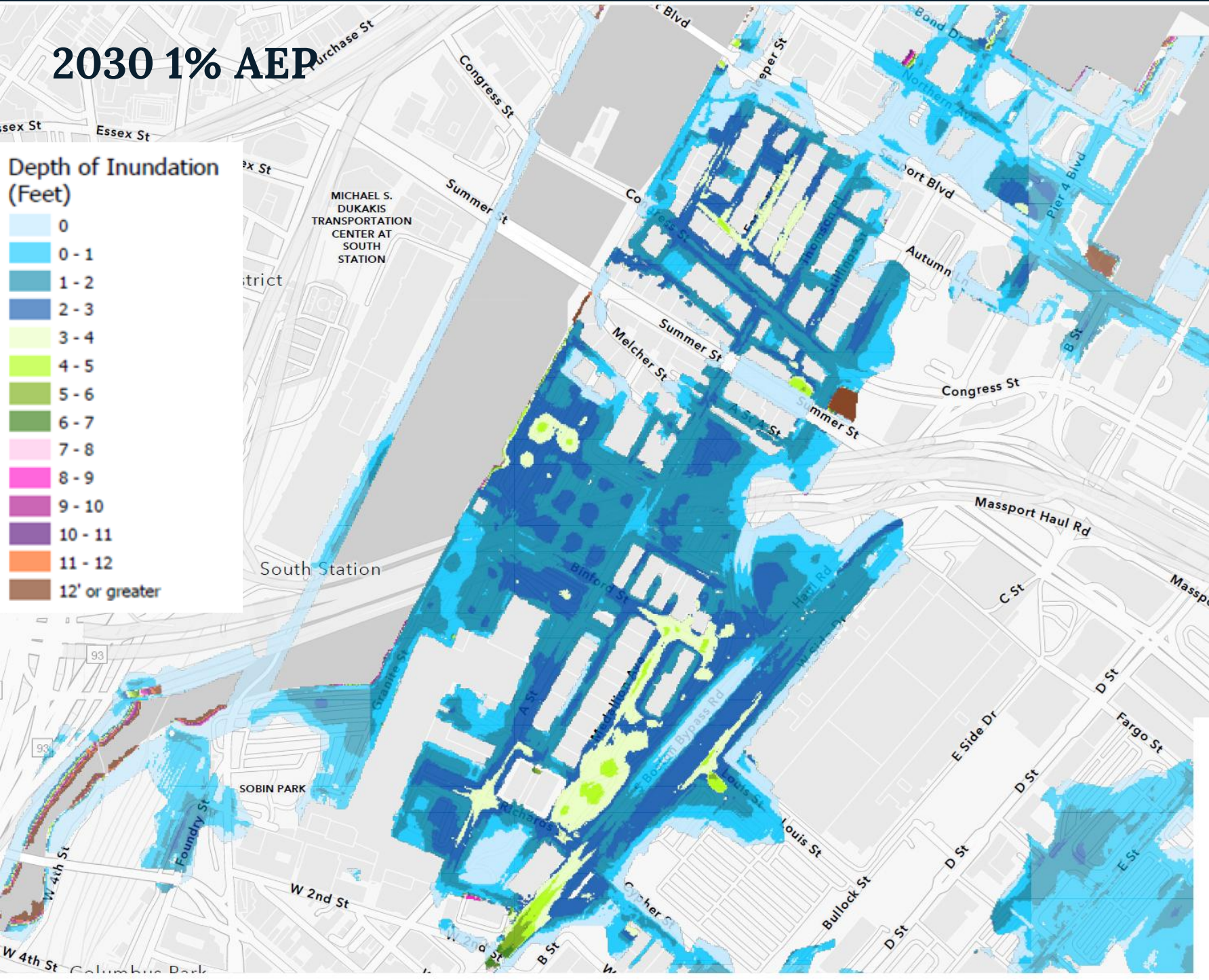
Planning Department

CITY of **BOSTON**

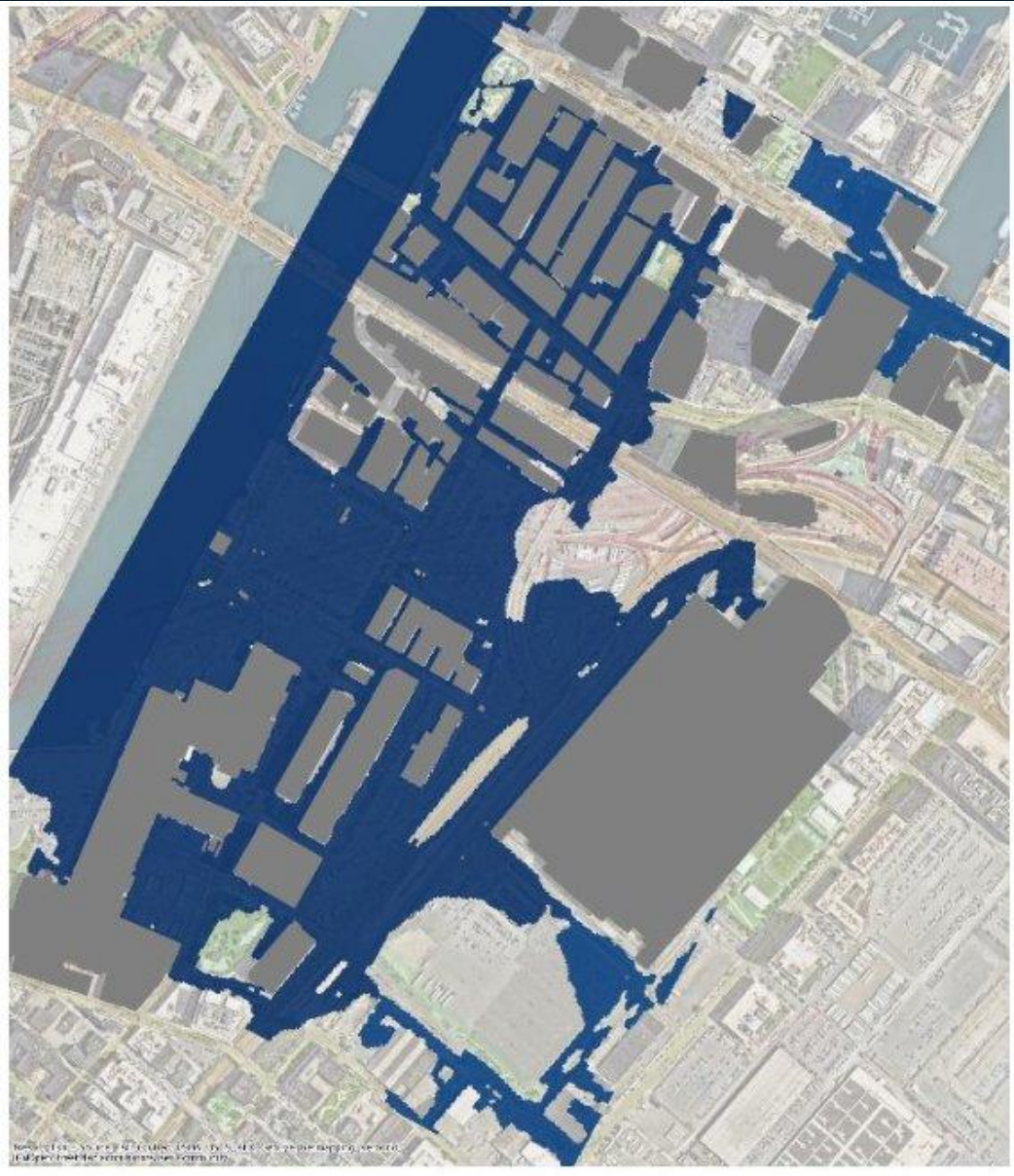
PROJECT TIMELINE



COASTAL FLOODING SCENARIOS



FORT POINT CHANNEL PROJECT EFFECTIVENESS



Existing flooding during **2030 100-year** storm conditions

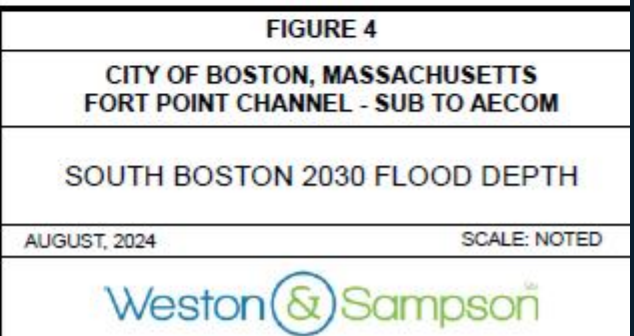


Flood extent during a 2030 100-year storm in existing conditions **and with the proposed flood barriers in place**

	2030s	2050s	2070s
Original 2019 Project Elevations (1%AEP)	11 feet NAVD 88	12.1 feet NAVD 88	13.3 feet NAVD 88

2026 Project DFE = 11.7

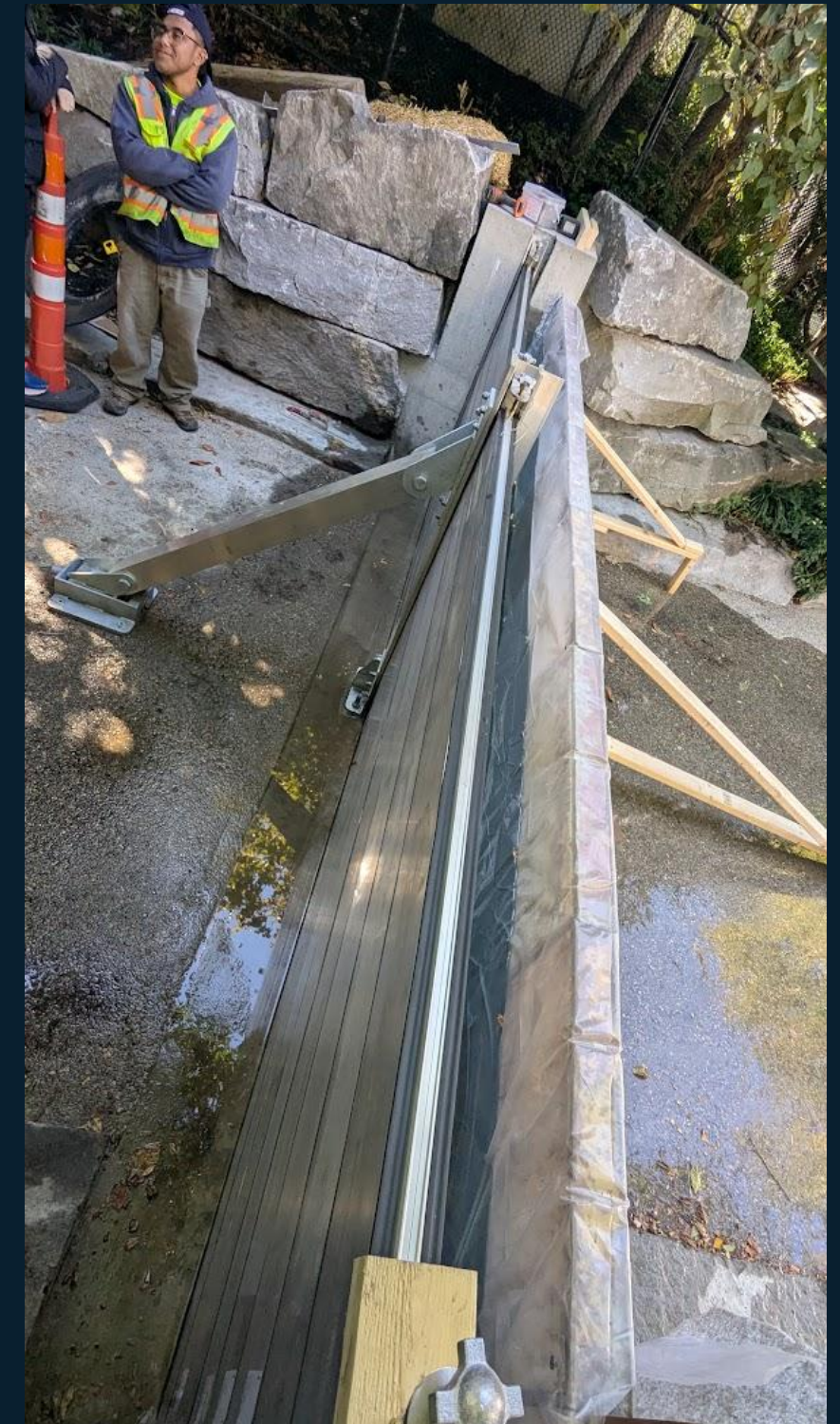
	2030s	2050s	2070s
Relative Sea Level Rise	-	12 inches	31 inches
1% Annual Chance Flood Elevation at Example Location	10.7 feet NAVD 88	11.7 feet NAVD 88	13.3 feet NAVD 88
Freeboard	1	0	n/a
Equivalent Storm Frequency (direct flow)	500-year (0.2% AEP)	33-year (3% AEP)	3-year (33% AEP)



- **Flood Pathway #1**
 - Addressed by Fort Point Channel deployables and wall
- **Flood Pathway #2**
 - Addressed by deployables at Sleeper St, Children's Museum, and Martin's Park

INTERIM DEPLOYABLES PROJECTS

- Martin's Park barrier successfully tested and then showcased at Deployables Day 2026
- Project team will file Design Review application with Fort Point Landmark District Commission for Boston Children's Museum and Sleeper St. Extension
- Educational signage planned

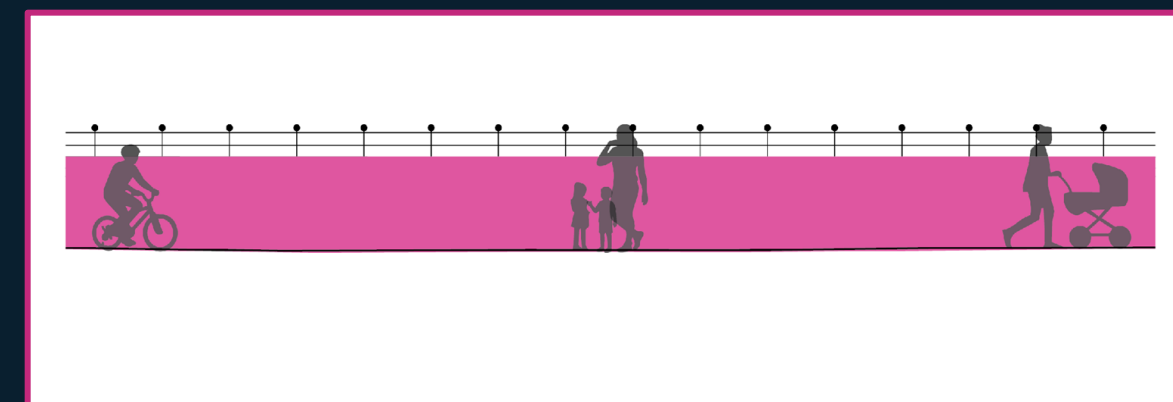
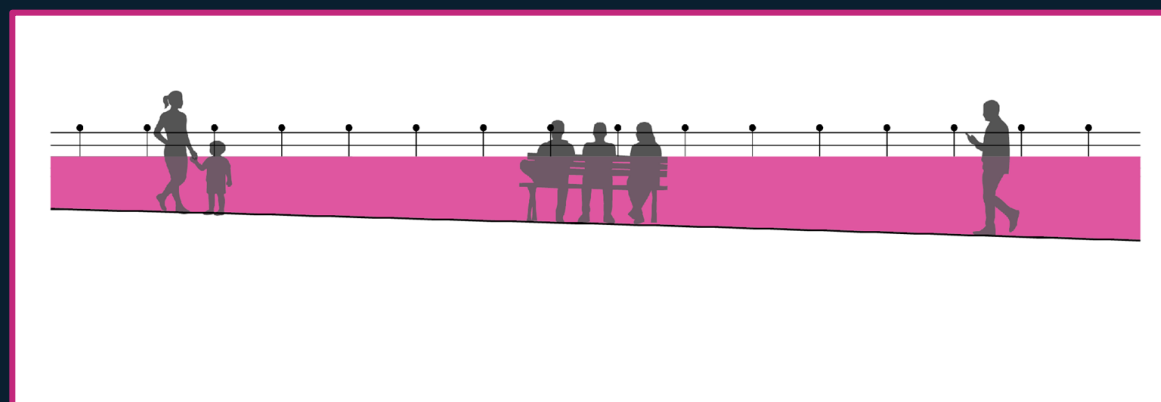
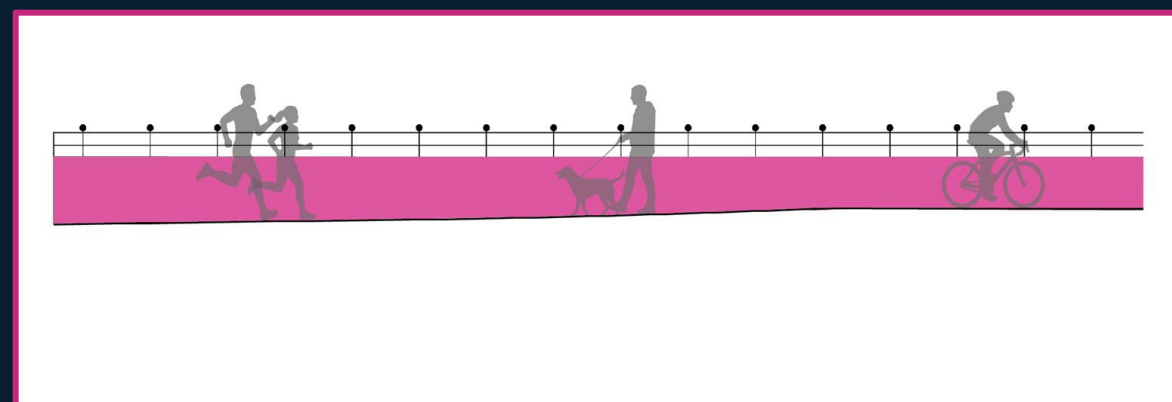


COMPONENTS OF THE PROJECT DESIGN



- **Coastal floodwall system**
 - 15 Necco St. To the Gillette Z Building
 - Majority is concrete barrier
 - Deployable barriers at Binford Street, Z Building, South of Binford Park, and near 15 Necco
- **Design elevation** is 11.7 ft NAVD88
 - 100-year event water surface (Year 2030) + 12"
 - Barrier height between 1.5' and 4'
- **Minimize disturbance** to Harborwalk, Harborwalk access, and existing parking lots
- **City's barrier removed** one section/parcel at a time after construction of higher-level resilience measures
- Funded with **City dollars**
 - Permanent infrastructure with a plan for replacement

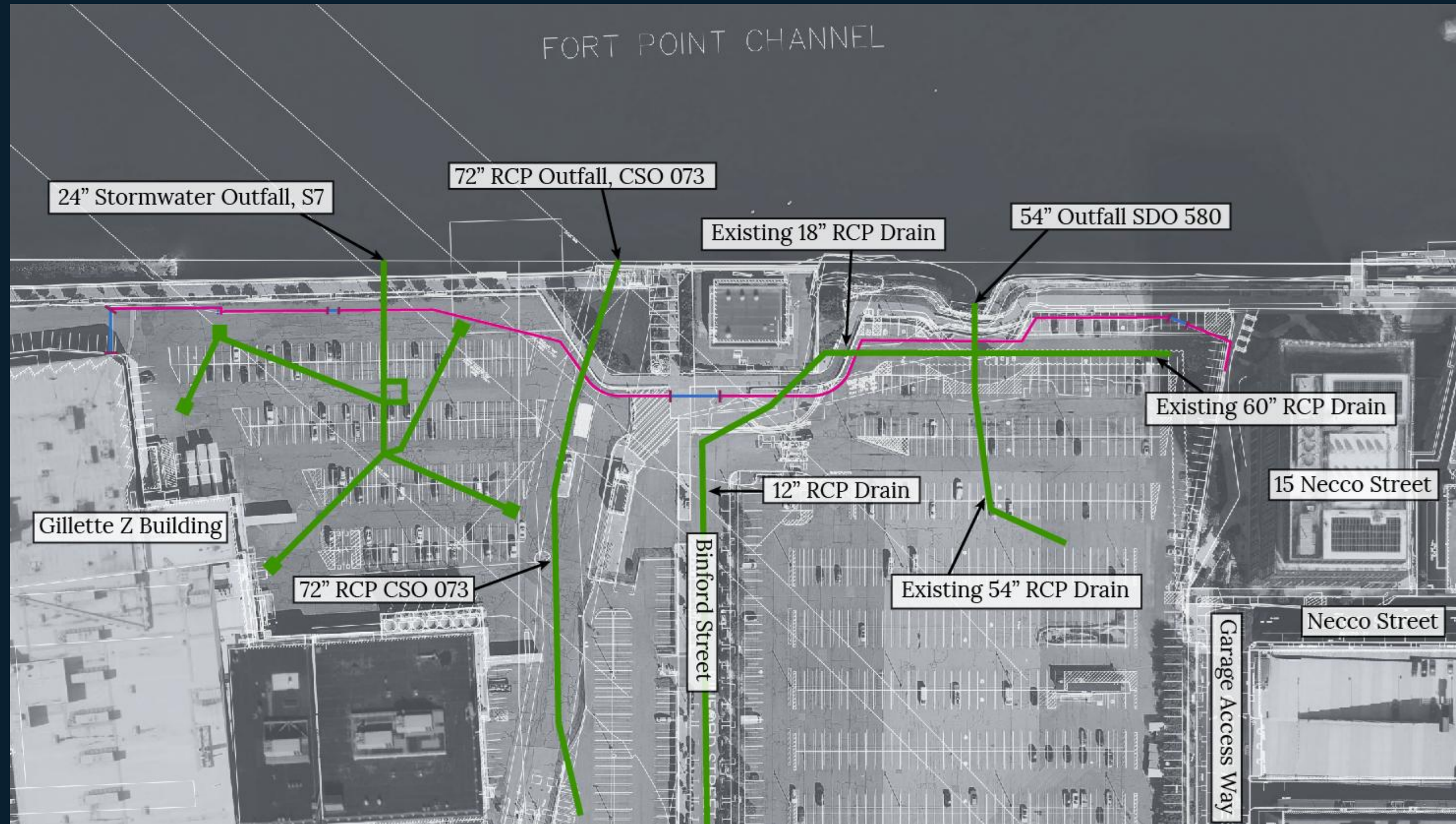
FLOOD BARRIER HEIGHT ABOVE GROUND



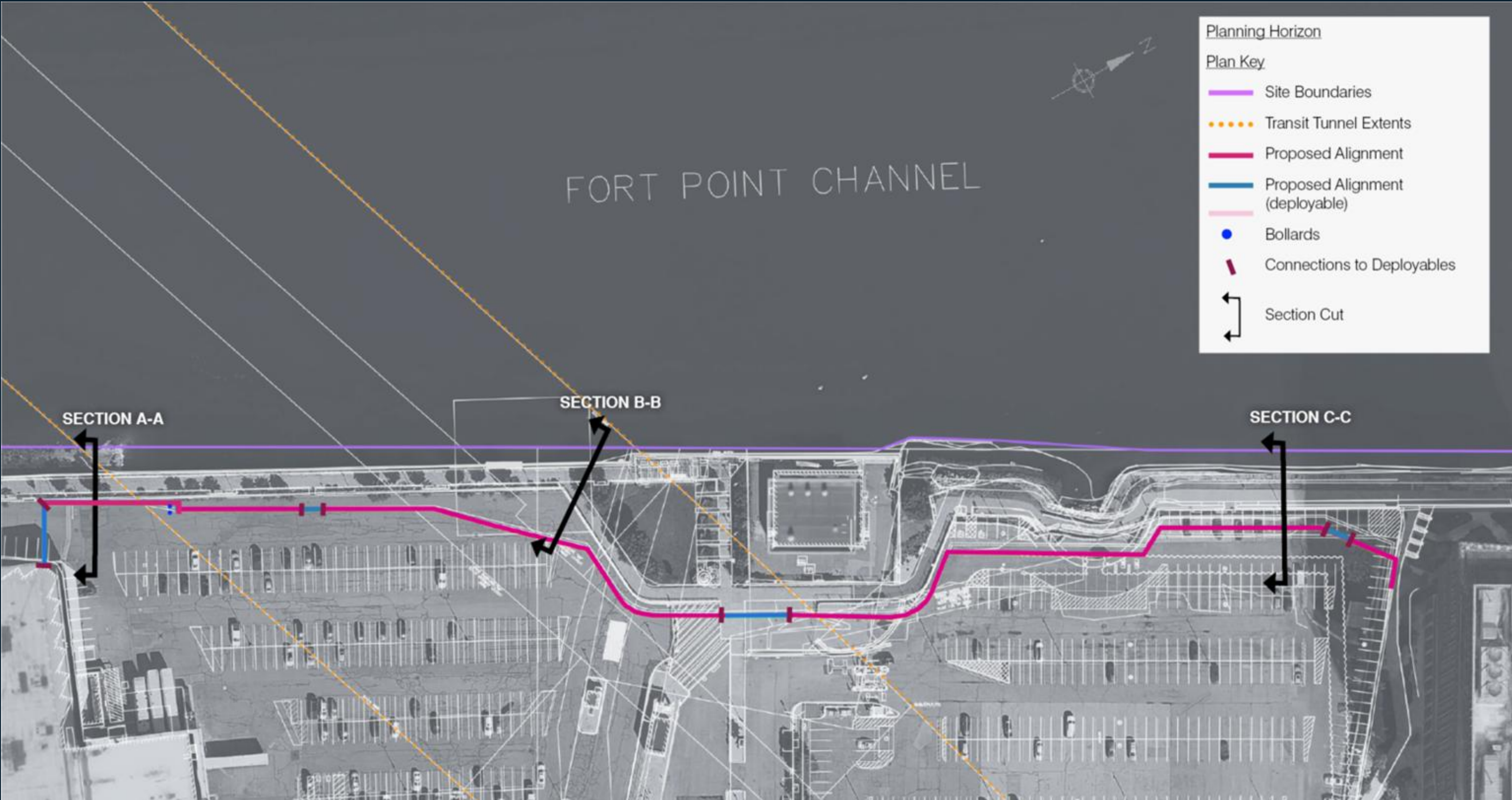
STORMWATER SYSTEM MAP

Stormwater drain upgrades to prevent backflow:

- 3 automatic check valves
- 1 gate valve

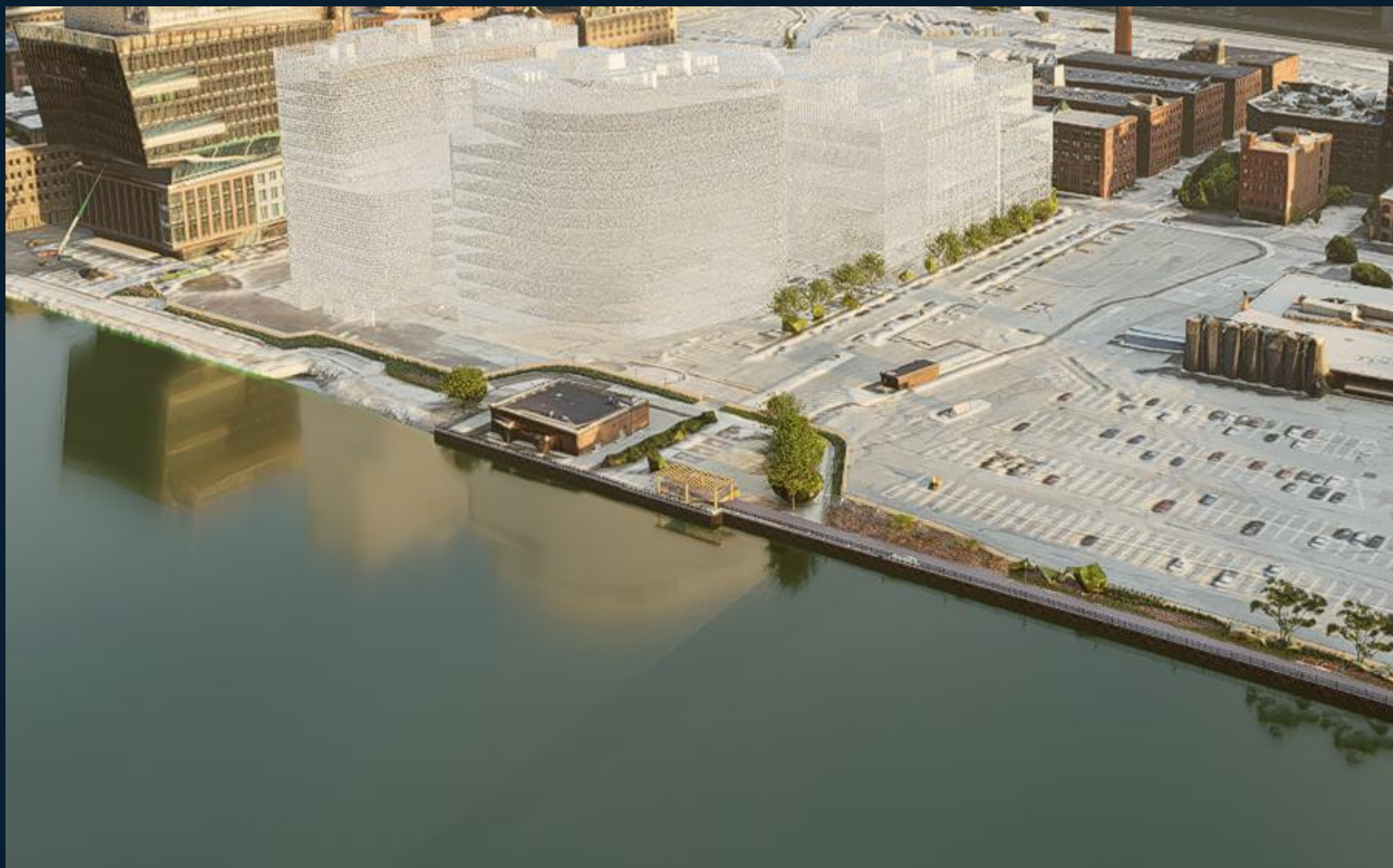


SECTION PLAN

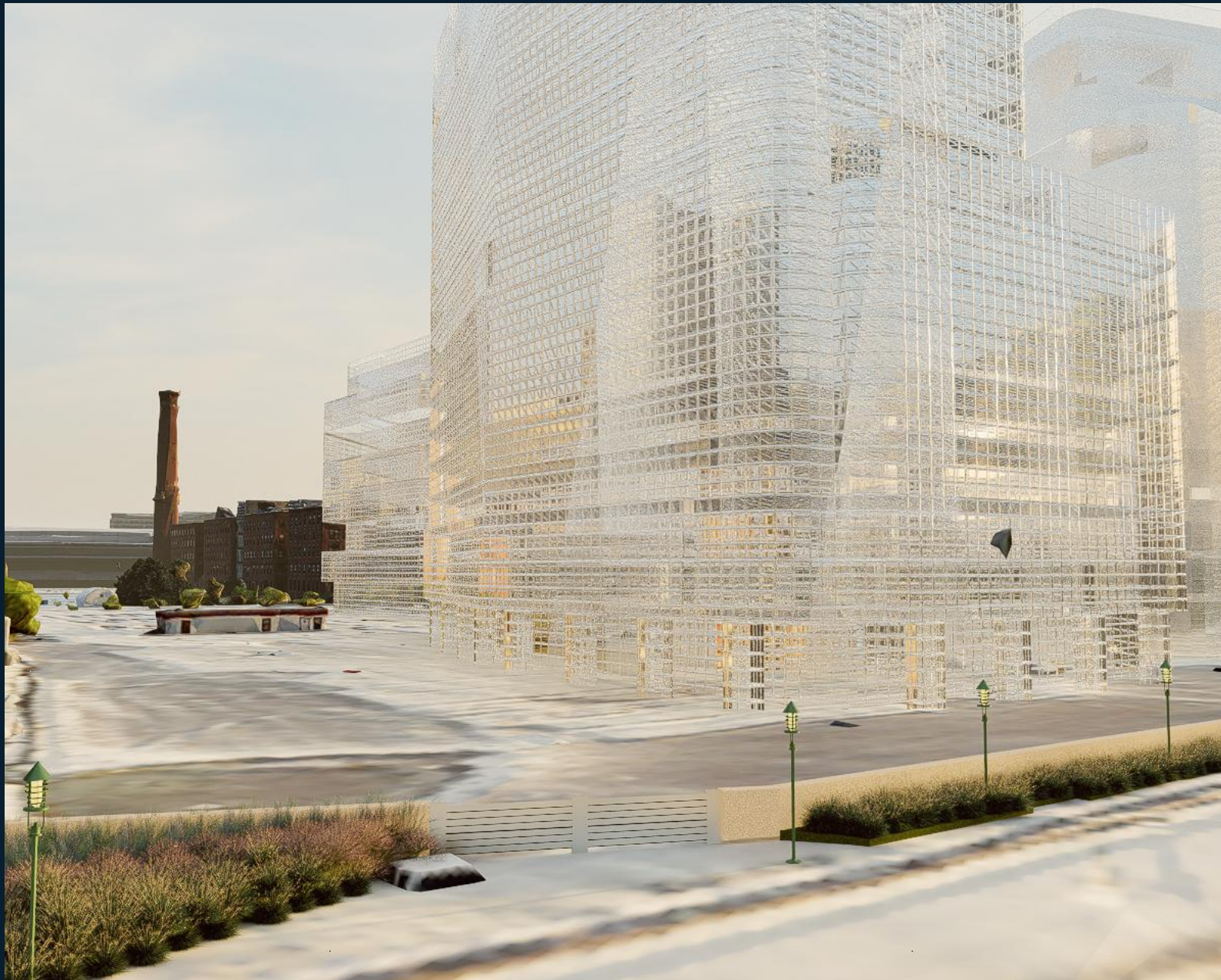


SECTION B-B UPDATE

- Updated plan for public amenity space:
 - Landscaping
 - Walkway
 - Benches



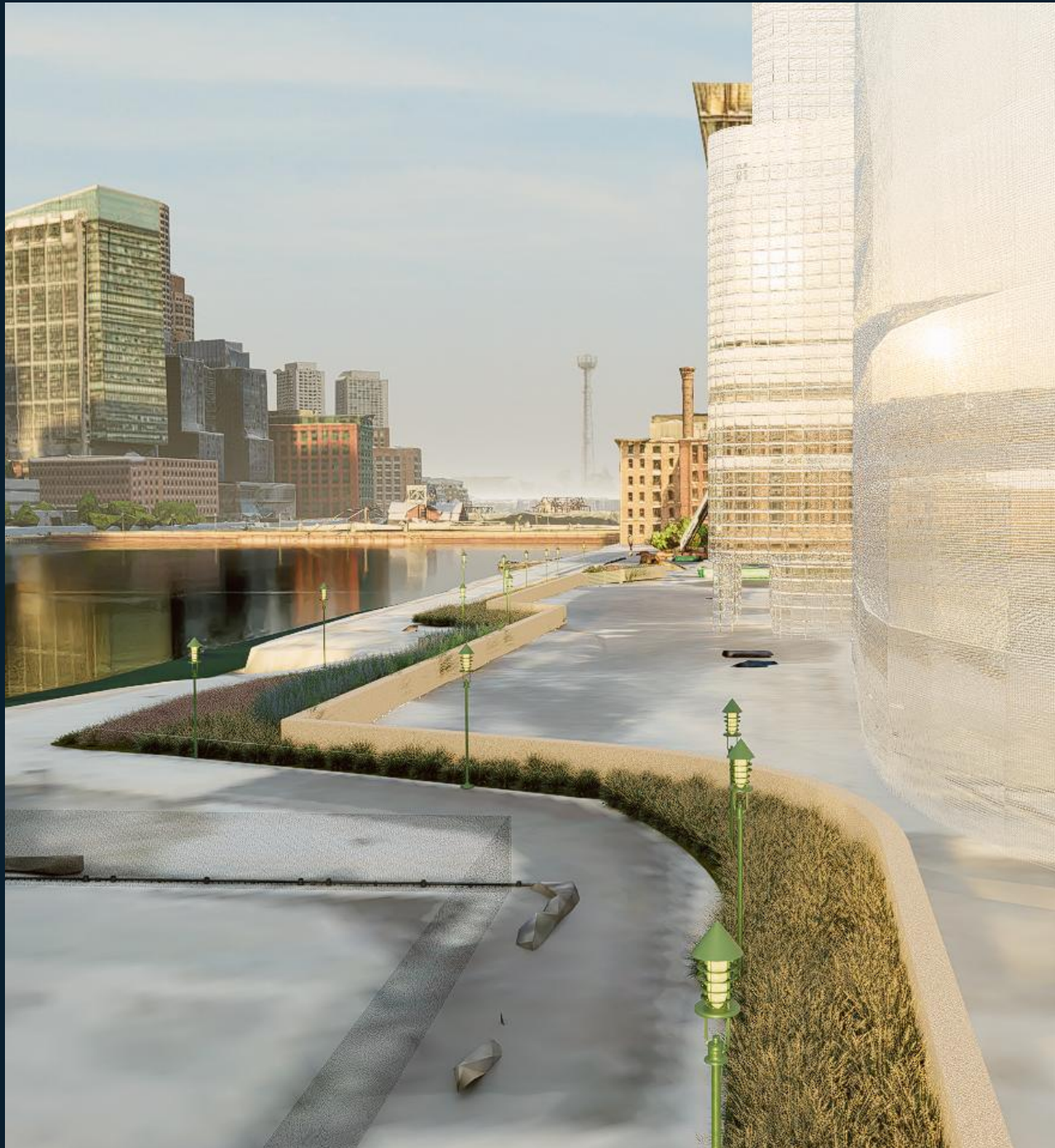
RENDERS



Updates:

- No railing on wall north of Binford Street
- Northern opening widened to 25'

RENDERS



- Plantings will consist of grasses and low shrubs on Channelside and 232 A Street

RENDERS



BEFORE



AFTER

DEVELOPMENT AND DECOMMISSIONING

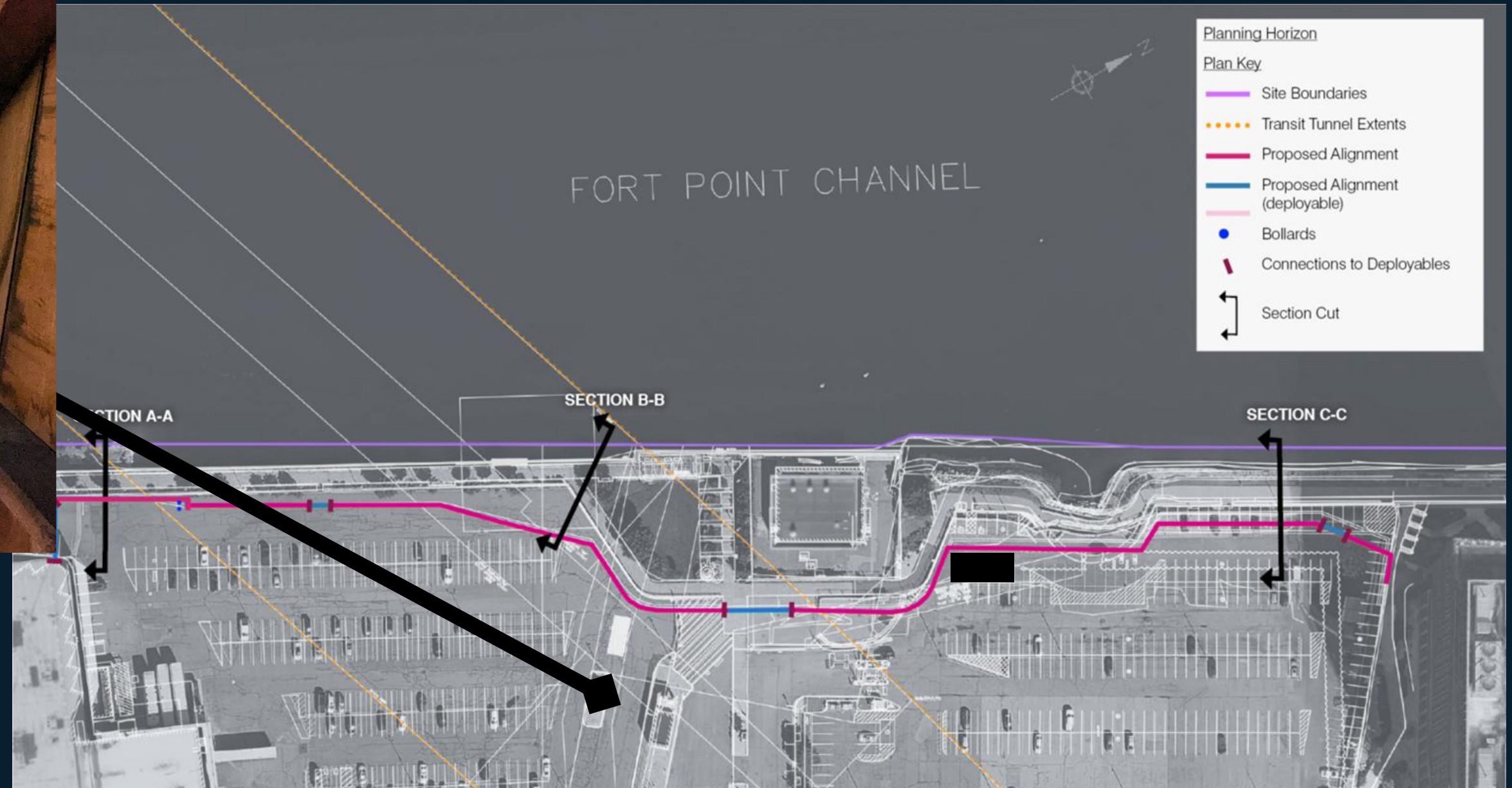
- City expects to build before private developments
- Construction joints will facilitate removal of one section at a time, and owners will maintain integrity of the wall
- City is in conversation with property owners regarding easement rights
- City and owners to ensure seamless tie-ins if any private property develops before wall is built



Figure 3-1. Location of the proposed floodwall (shown in green) in relation to planned private redevelopment projects east of Fort Point Channel.

STORAGE OF DEPLOYABLE BARRIERS

- Deployables will likely be stored in Gillette shed and/or a new storage container on the Channelside parcel



NOTICE OF PROJECT CHANGE



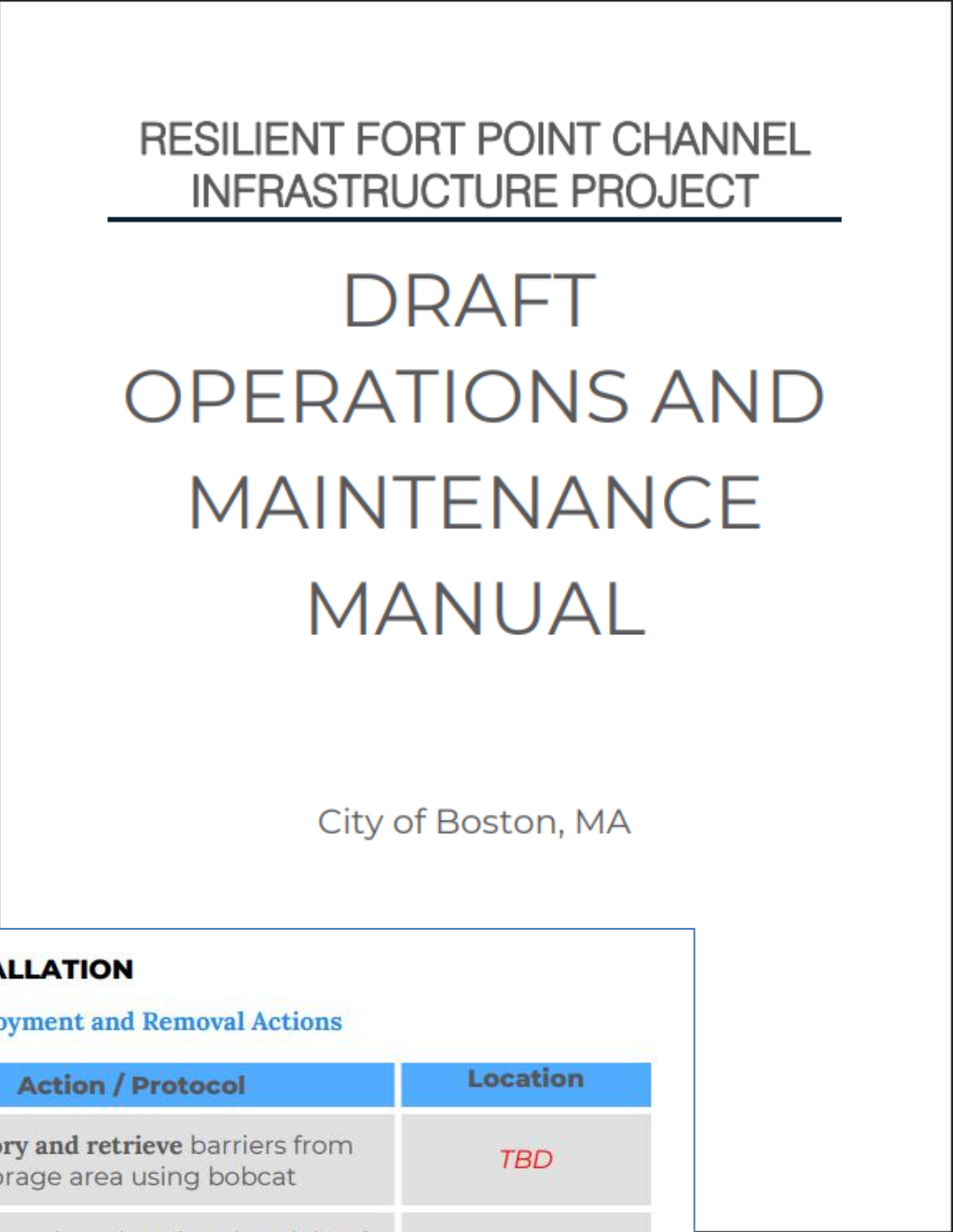
- Project team met with MEPA staff several times before and after pivot to current design
 - Received guidance to file NPC instead of filing as new project
- Filed NPC with MEPA in October 2026
- Project was included in Environmental Monitor on 10/23/26
- Comment period open until December 2, 2026
- Hearing and certification would follow

Name	Size	Actions
FPC_NPC_All_Attachments.pdf	169.117 MB	 DOWNLOAD
Attachment_2_FPC_NPC_ENF_Certificate_16514_Final.pdf	6.189 MB	 DOWNLOAD
Attachment_3_FPC_ENF_Proposed_Project_Plans_121721.pdf	0.284 MB	 DOWNLOAD
Attachment_4_FPC_NPC_60%_Design_Drawings_04292026.pdf	59.532 MB	 DOWNLOAD
Attachment_5_FPC_NPC_USGS_Locus_Map_Final.pdf	1.467 MB	 DOWNLOAD
Attachment_6_FPC_NPC_Distribution_List_2022_ENF_EJ_DistributionFinal.pdf	0.547 MB	 DOWNLOAD
Attachment_7_FPC_NPC_RMAT_Report_09282026.pdf	4.547 MB	 DOWNLOAD
Attachment_8_FPC_NPC_EEA_EJ_Maps_Viewer_Image_Final.pdf	1.581 MB	 DOWNLOAD
Attachment_11_FPC_NPC_Performance_Standards_Narrative_Final.pdf	0.371 MB	 DOWNLOAD
Attachment_10_FPC_NPC_Alternatives_Analysis_Final.pdf	0.411 MB	 DOWNLOAD
Attachment_12_FPC_NPC_CZM_Consistency_Policys_Final.pdf	0.331 MB	 DOWNLOAD
Attachment_9_FPC_NPC_Project_Change_Description_Final.pdf	3.192 MB	 DOWNLOAD
Attachment_14_FPC_NPC_Response_to_MEPA_Comments_Final.pdf	0.338 MB	 DOWNLOAD
Attachment_16B_Support_Letters_Final.pdf	0.976 MB	 DOWNLOAD
Attachment_13_ALL_FILES.pdf	73.710 MB	 DOWNLOAD
Attachment_15A_FPC_NPC_AECOM_WHG_Technical Memorandum_03102026.pdf	11.527 MB	 DOWNLOAD
Attachment_17_EJ_Screening_Form_ALL.pdf	0.947 MB	 DOWNLOAD

OWNERSHIP, OPERATIONS, AND MAINTENANCE



- **Ownership**
 - City will own infrastructure
- **Operations**
 - Office of Emergency Management will oversee deployment of flood barriers
- **Maintenance**
 - City will maintain infrastructure



Example page

STOP LOG BARRIER SYSTEM INSTALLATION				
Table 2: Stop Log Deployment and Removal Actions				
Stage	Step	Timeline	Action / Protocol	Location
Pre-Storm	1	12-24 Hours Prior to Event	Inventory and retrieve barriers from storage area using bobcat	TBD
	2	12-24 Hours Prior to Event	Measure and mark pedestrian right of way as needed. Four feet width must be maintained between barrier and sidewalk edge. Three feet width is allowed at obstructions (trees, light post, etc.)	Sidewalk + Right of Way
	3	12-24 Hours Prior to Event	Put up pedestrian signage on sidewalk alerting pedestrians of the flood barriers and directing them to alternative routes	Deployment Area

32 FORT POINT CHANNEL OPERATIONS AND MAINTENANCE MANUAL

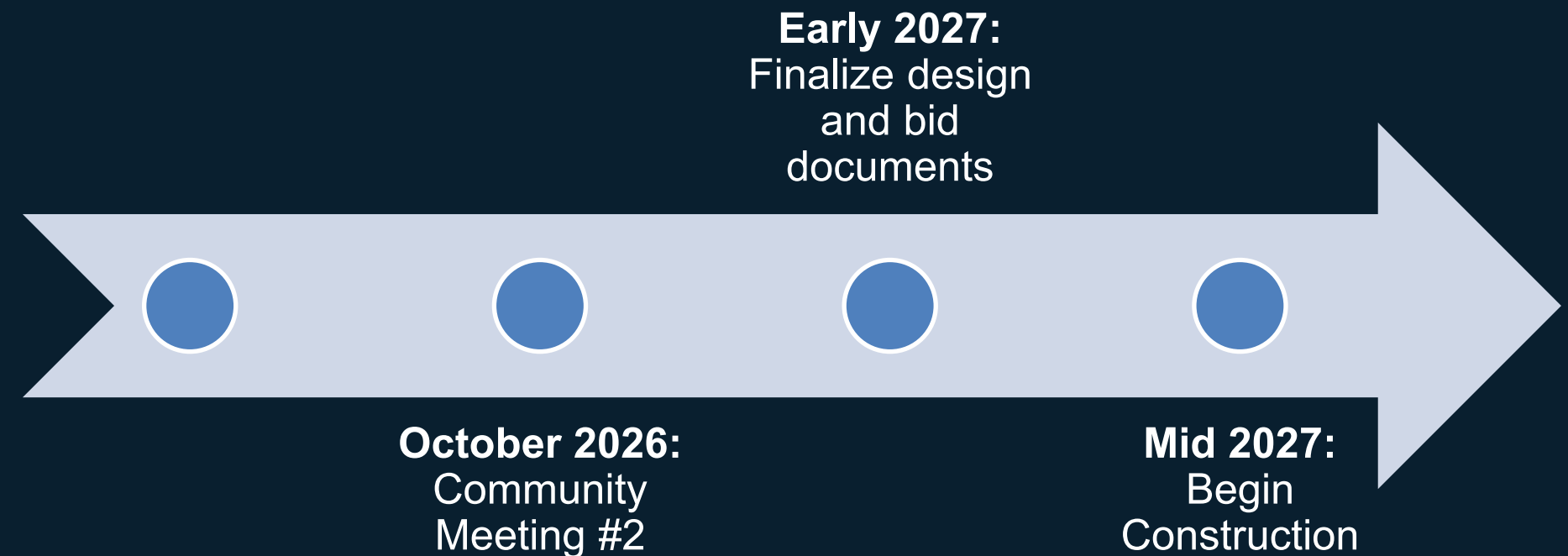
WHAT WE'VE COVERED

- **Project evolution**

- No federal involvement
- Reduced extent and footprint
- Lower barrier height

- Funded with **City dollars**

- City recognizes that there is a flooding issue
- Permanent infrastructure with a plan for replacement
- Ownership, operations, and maintenance by City departments



- **Coastal floodwall system**

- Concrete and deployable barriers provide significant benefit to neighborhood for decades
- Integrated solution with projects north of Summer St
- Stormwater system improvements to prevent backflow
- Expanded vegetation and public areas along Harborwalk

THANK YOU

HAVE QUESTIONS?

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OR VISIT:
bostonplans.org



Planning Department

CITY of BOSTON