
Red Hook Coastal Resiliency (RHCR)

Unified Land Use Review Procedure
FOR PRESENTATION PURPOSE ONLY

AGENDA

PROJECT OVERVIEW AND SCHEDULE

EXISTING CONDITIONS AND FLOOD RISK

DESIGN REVIEW

ENVIRONMENTAL REVIEW + LAND USE
ACTIONS

SUMMARY + NEXT STEPS

PROJECT OVERVIEW AND SCHEDULE

PROJECT GOALS

Developed in conjunction with community feedback and consultation

Maintain a passive system at elevation 8-ft

Activate deployable features to reach an elevation of 10-ft

Minimal impacts to pedestrian, bike, and vehicle circulation

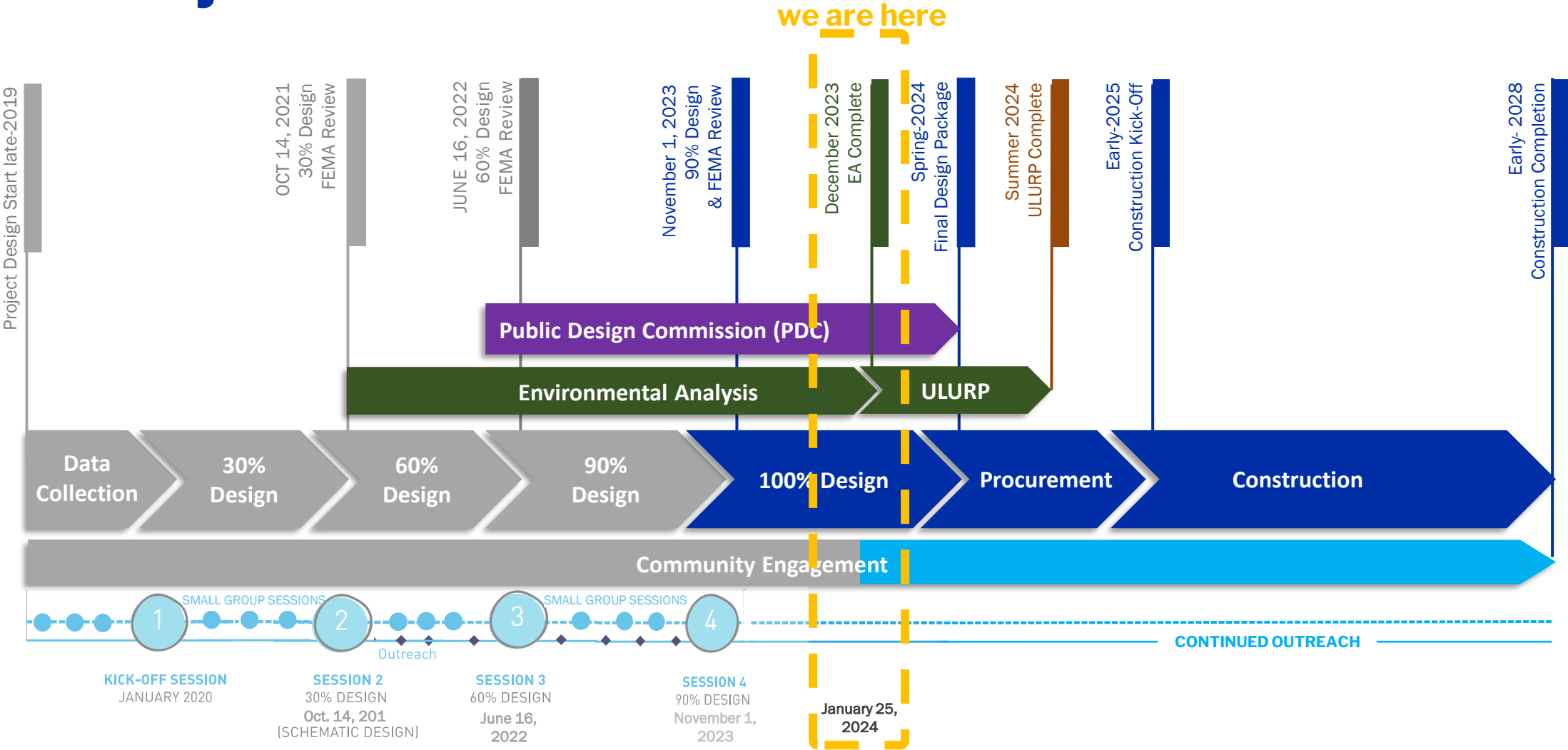
Maintain neighborhood connectivity and access to active waterfront

Enhance and incorporate the Brooklyn Waterfront Greenway

Reduce flood impacts to existing drainage system



RHCR Project Timeline



RHCR Community & Stakeholder Engagement

What We've Done So Far

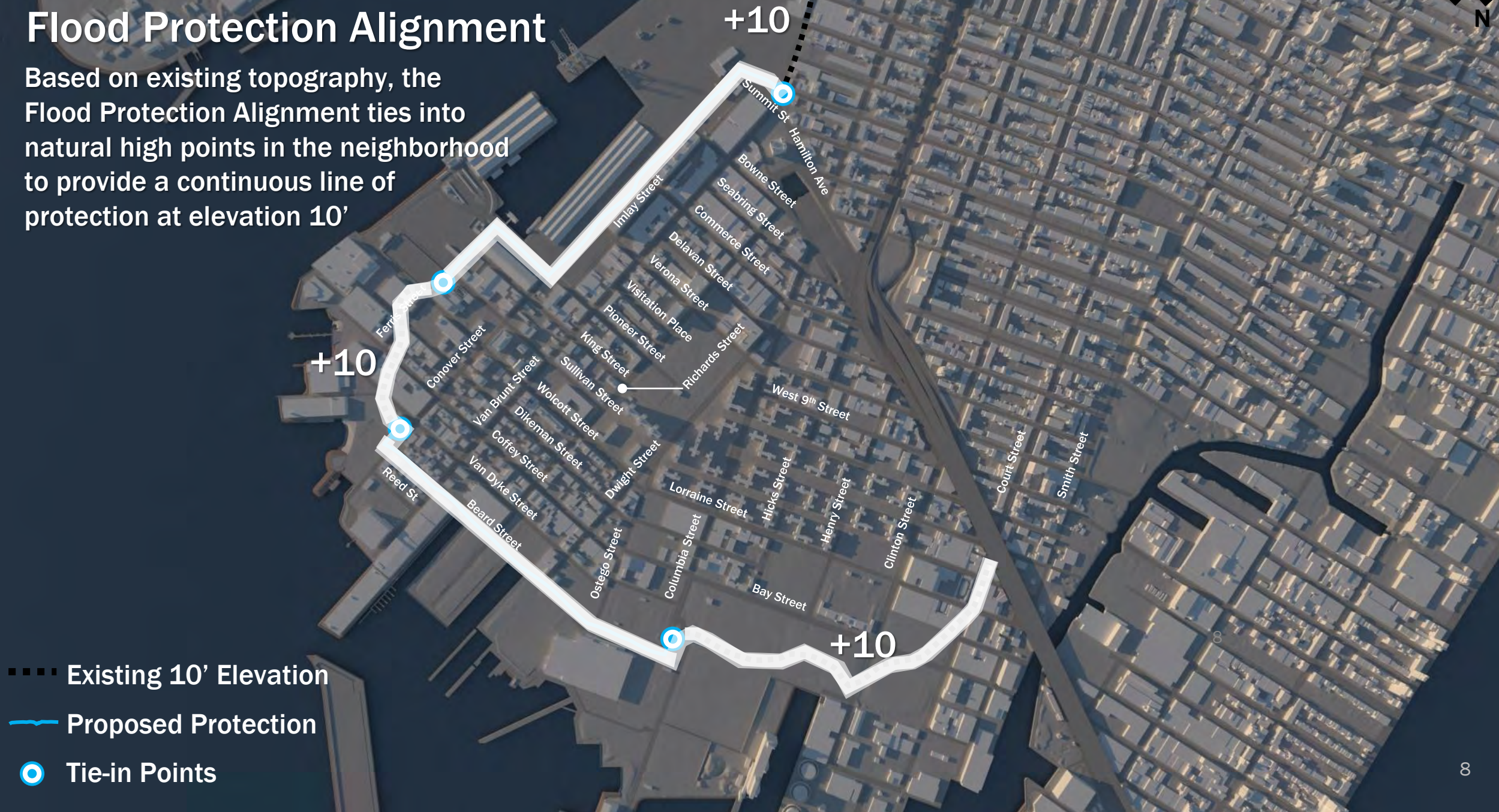
- 2016 – 2018** Feasibility study, four large public meetings, several focused-group meetings
- JAN 2020** Capital project kick-off meeting and recap of Feasibility Study
- JAN-MAR 2021** Introductory briefings with Elected Officials and stakeholders, including: Councilmember Menchaca, Congresswoman Velazquez, Assemblywoman Mitaynes, BK Borough President, BK CB6 District Manager, Red Hook Initiative, Resilient Red Hook, Red Hook West, Community Justice Center, MAP
- FEB-JUN 2021** Coordination meetings with private properties, including: Port Authority, O'Connell Group, Thor Equities, Amazon, UPS, IKEA
- SEP 2021** Design meetings with Elected Officials and key stakeholders, including: Councilmember Menchaca, Congresswoman Velazquez, Assemblywoman Mitaynes, BK Borough President, BK CB6 District Manager, Resilient Red Hook, Red Hook West and East, MAP
- OCT 2021** 30% Design Public Meetings / Workshops
- JAN-JUN 2022** Coordination meetings with private properties, including: Port Authority, O'Connell Group, Thor Equities, Amazon, UPS, IKEA
- JUNE 2022** 60% Design Meetings: Elected Officials, CB6, and Red Hook Community
- APR-JUN 2023** Design meetings with Elected Officials and Key Stakeholders, including: Assemblymember Mitaynes, Brooklyn Borough President Reynoso, Councilmember Aviles, Congressman Goldman, Senator Gounardes, Resilient Red Hook (RRH), Red Hook Initiative (RHI)
- OCT-NOV 2023** 90% Design Meetings: Elected Officials and Red Hook Community



EXISTING CONDITIONS + FLOOD RISK

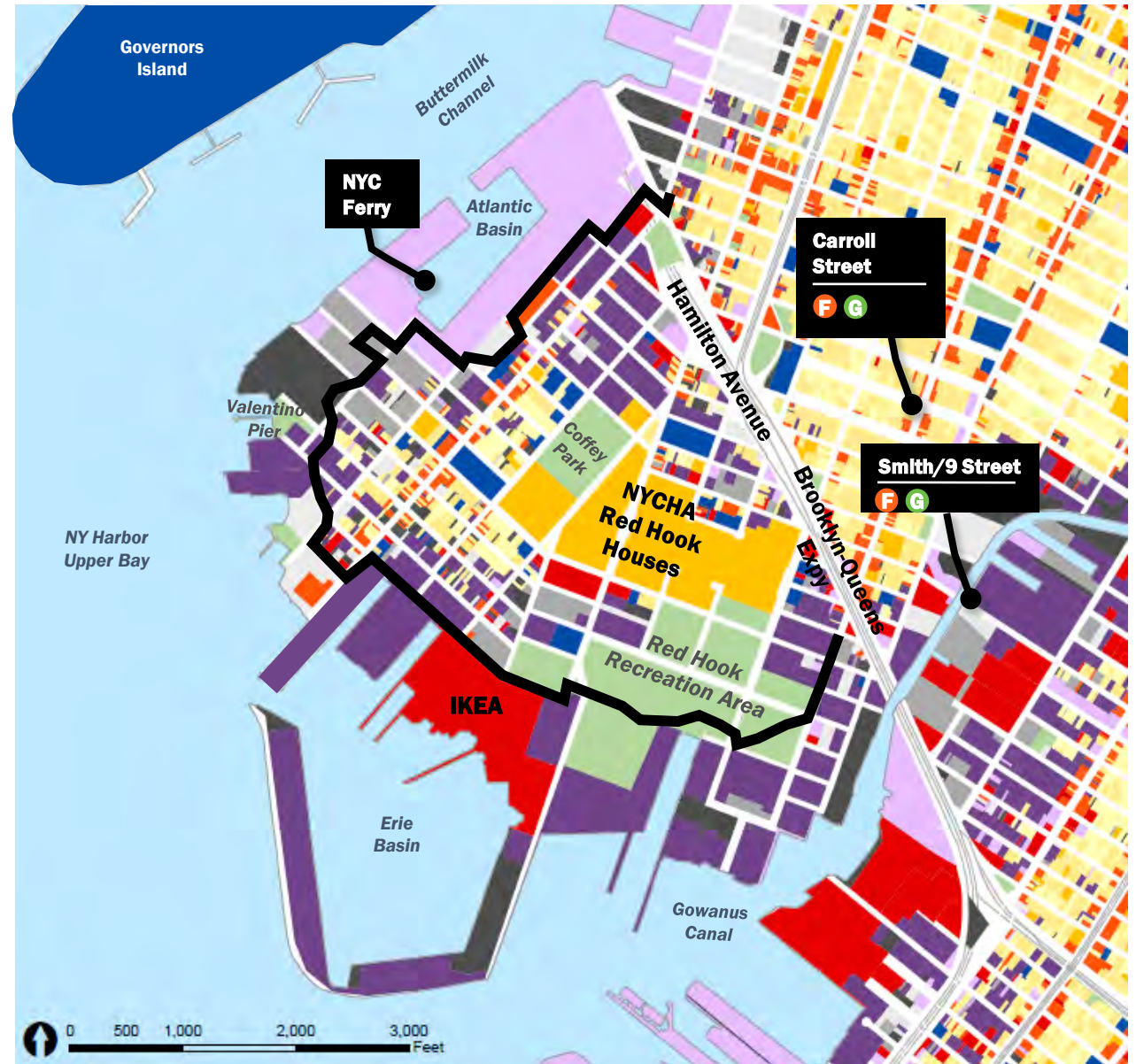
Flood Protection Alignment

Based on existing topography, the Flood Protection Alignment ties into natural high points in the neighborhood to provide a continuous line of protection at elevation 10'



Project Area | Land Use












- Proposed Project**
- One & Two Family
- MultiFamily Walkup
- MultiFamily Elevator
- Mixed Commercial/Residential
- Commercial/Office
- Industrial/Manufacturing
- Transportation/Utility
- Public Facilities & Institutions
- Open Space
- Parking
- Vacant Land
- No Data/Other





Project Area | Zoning

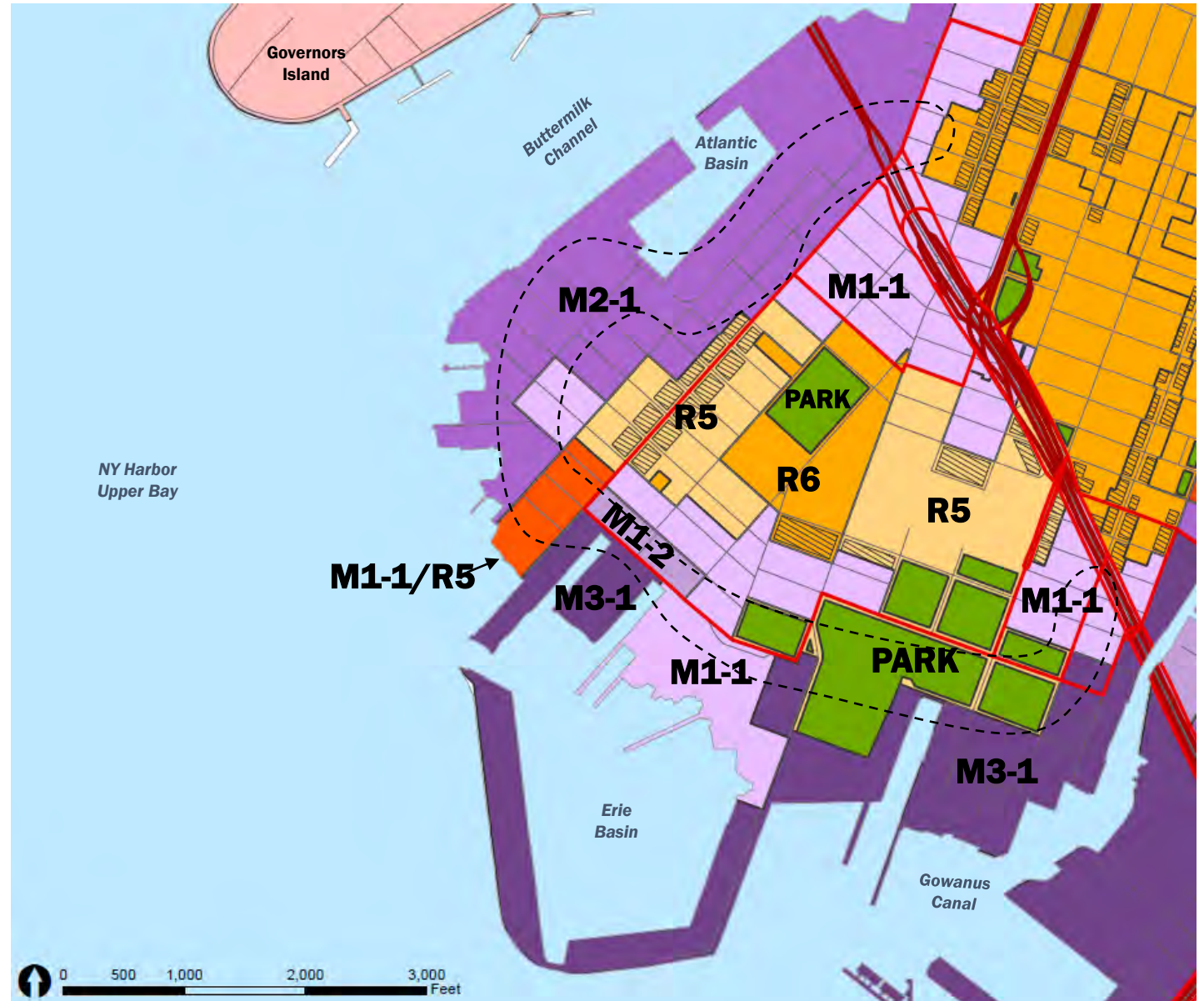
 RHCR Project Area

Zoning District

-  R5
-  R6; R6A; R6B
-  R7A
-  C4-1
-  M1-1
-  M1-1/R5; M1-4/R7-2
-  M1-2
-  M2-1; M2-3
-  M3-1
-  PARK; PLAYGROUND
-  Commercial Overlays

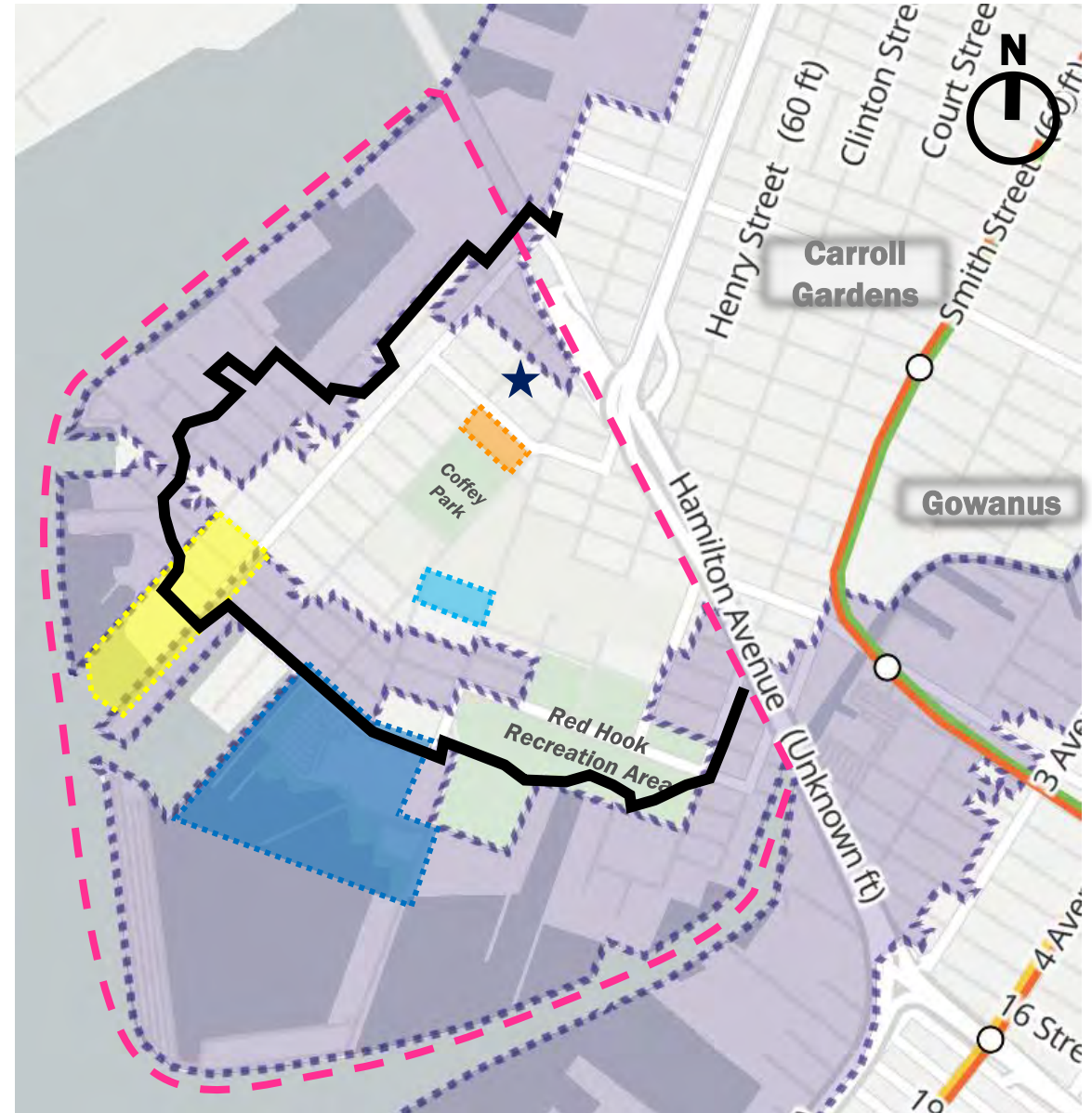
Truck Routes

-  Local Truck Route
-  Through Truck Route





Project Area | Policy

- Proposed Project**
- Big R Supermarket (1990)**
- Red Hook 197a Plan (1996)**
- Red Hook Stores (2002)**
- Harbor Tech Rezoning (2002)**
- IKEA (2004)**
- Southwest Brooklyn IBZ (2006)**
- ★ 41 Richards Street (in ULURP)**



Project Area | Flood Risk

-  1% Annual Chance Flood Hazard
-  0.2% Annual Chance Flood Hazard








DESIGN REVIEW

Flood Protection Components

Generalized Map of Flood Protection Elements and Reconstruction Limits Along the Full Alignment of the Project

LEGEND

-  Floodwall
-  Flip-up Gate
-  Sliding Gate
-  Sidewalk/Roadway Improvement
-  Independent Flood Protection System



Coastal Resiliency Design Elements



Flood Wall —

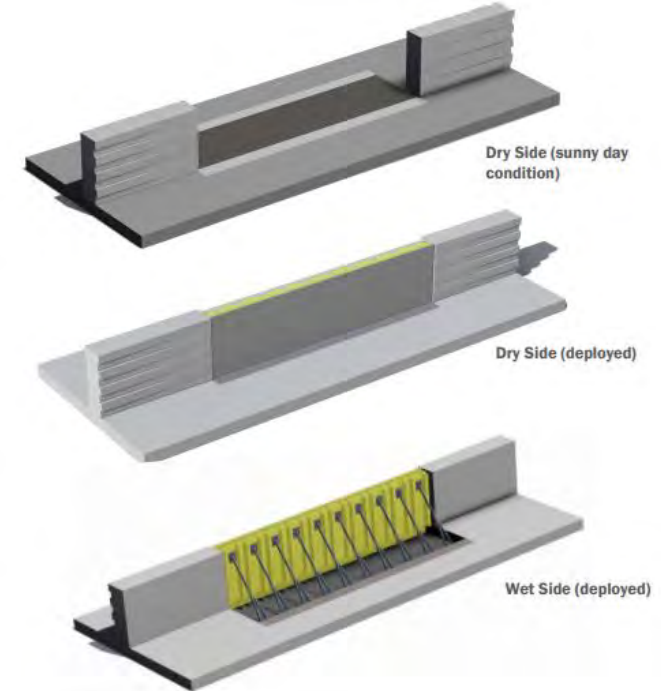
Concrete with banded pattern and published heights

Continue 4 ft. below grade and supported on pile foundations



Roller Gate —

Grey painted steel with rounded corners and labeled numbers



Flip-up Gate —

Alloy aluminum with stainless steel components

Hydraulically deployed or manual

ENVIRONMENTAL REVIEW + LAND USE ACTIONS

Environmental Review Standards

COORDINATED ENVIRONMENTAL REVIEW UNDER 3 STATUTES:

Environmental Assessment (EA) will satisfy requirements of all three statutes

- National Environmental Policy Act (NEPA)
- State Environmental Quality Review Act (SEQRA)
- City Environmental Quality Review (CEQR)

LEAD AGENCIES:

Environmental review coordinated by head agencies, with cooperating, involved and interested Federal, State and City agencies

- NEPA – Federal Emergency Management Agency (FEMA)
- SEQRA/CEQR – Office of the Mayor of the City of New York

ULURP

Proposed Action Acquisitions

MM + PQ

 **City Map Changes | MM**

 **Acquisitions | PQ**

 **Line of Protection (approx.)**



ULURP

Proposed Action Change to City Map

+ Changes in legal street grades

SS Mapping Sullivan Street west of Ferris Street


TT Mapping new parkland to enlarge Todd Triangle

— Line of Protection (approx.)



ULURP

Proposed Action Acquisitions

 Acquisitions to facilitate easements on 20 private lots, enabling the City to operate, inspect, and maintain the proposed floodwall and gates.

 Line of Protection (approx.)



ULURP Proposed Actions | Atlantic Basin Area

MM + PQ



ULURP Proposed Actions | Beard Street Area

MM + PQ



SUMMARY + NEXT STEPS

Summary

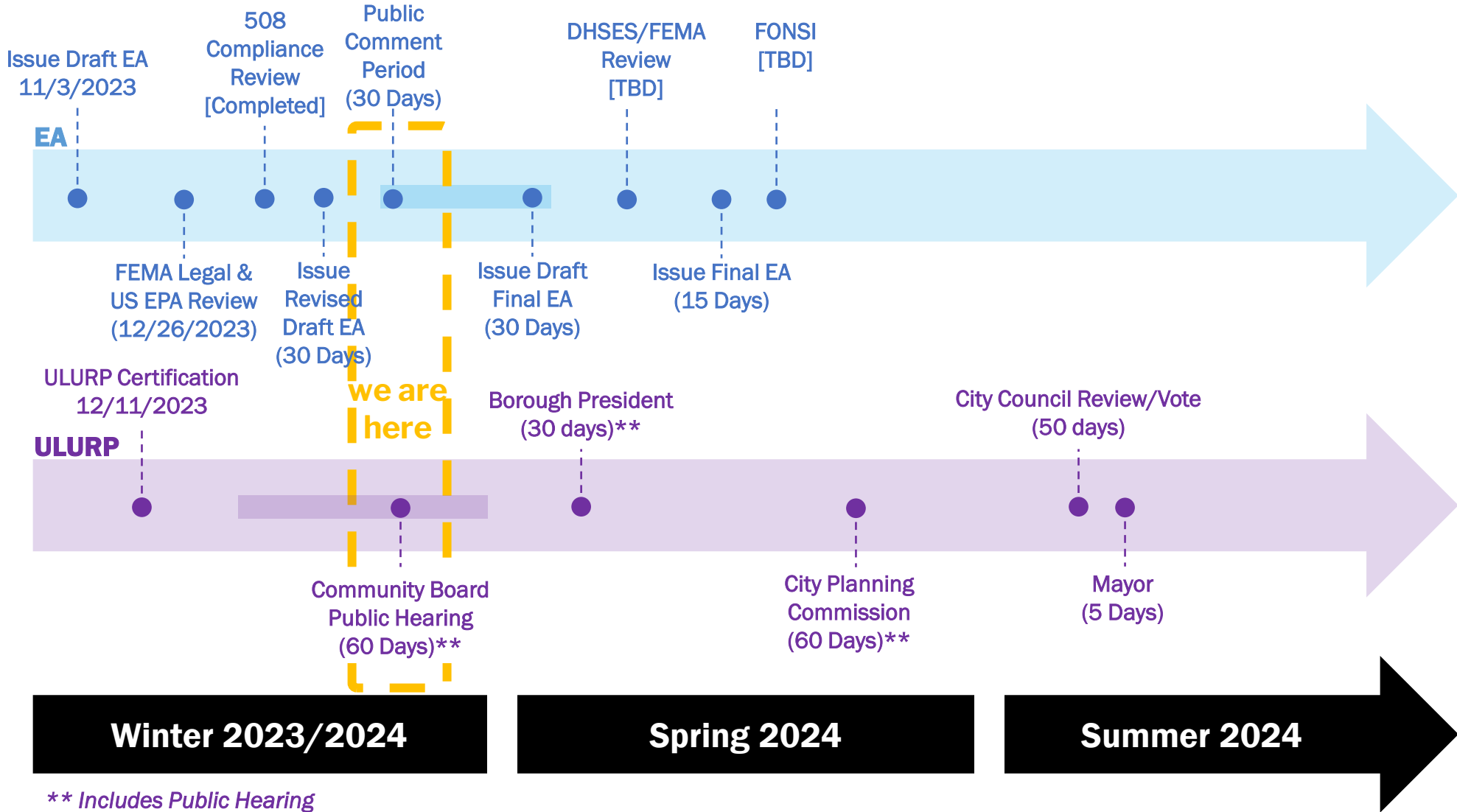
Red Hook Coastal Resiliency

- Maintain a passive system at elevation 8-ft
- Activate deployable features to reach an elevation of 10-ft
- System of floodwalls, raised street grades, deployable flood gates, and supporting infrastructure ties into existing topographic high points and takes advantage of public right-of-way
- Minimal impact on waterfront views, access, and maritime industrial uses
- Expansion of the Brooklyn Waterfront Greenway and other streetscape, green infrastructure, and drainage improvements



NEXT STEPS

PUBLIC INPUT TO THE EA/ULURP PROCESSES



** Includes Public Hearing

CONTACT US

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