East Side Coastal Resiliency Preliminary Design Update

Community Board 3 Review

Parks Committee: March 15, 2018

Full Board: March 27, 2018













PRESENTATION CONTENTS

- A. SITE STRATEGY
- **B. SITE DESIGN**

PRESENTATION CONTENTS

A. SITE STRATEGY

B. SITE DESIGN

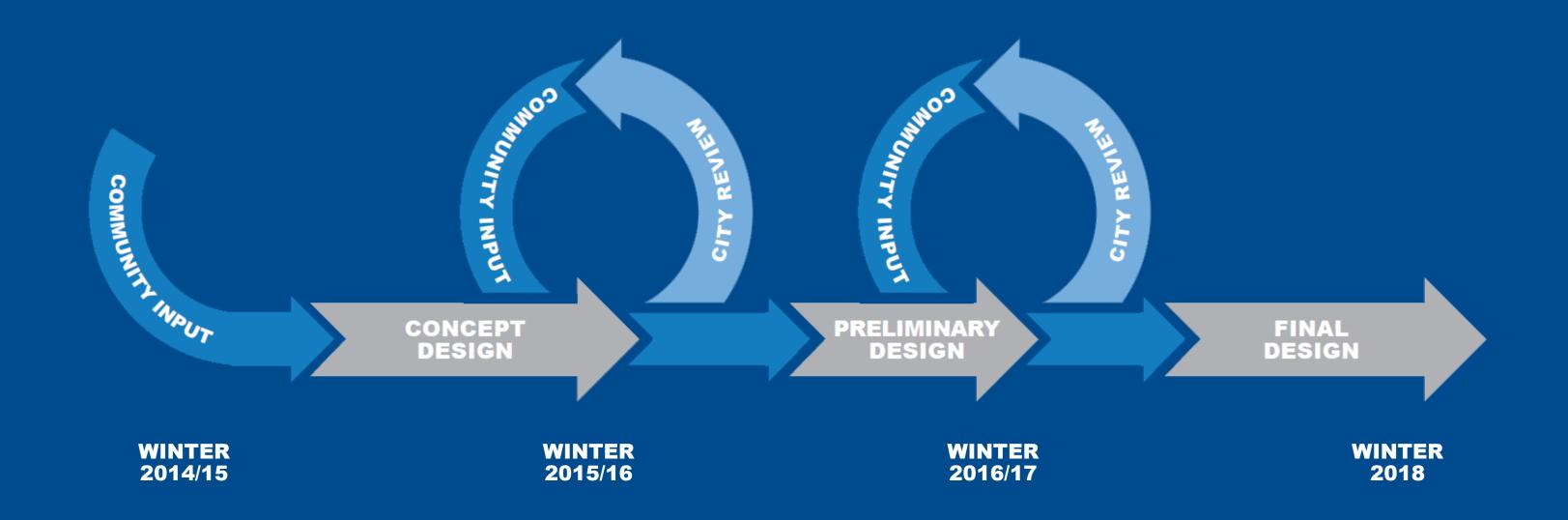
 Provide a reliable, integrated flood protection system; minimize use of closure structures

Improve waterfront open spaces and access

 Respond quickly to the urgent need for increased flood protection and resiliency

 Achieve implementation milestones and project funding allocations as established by HUD

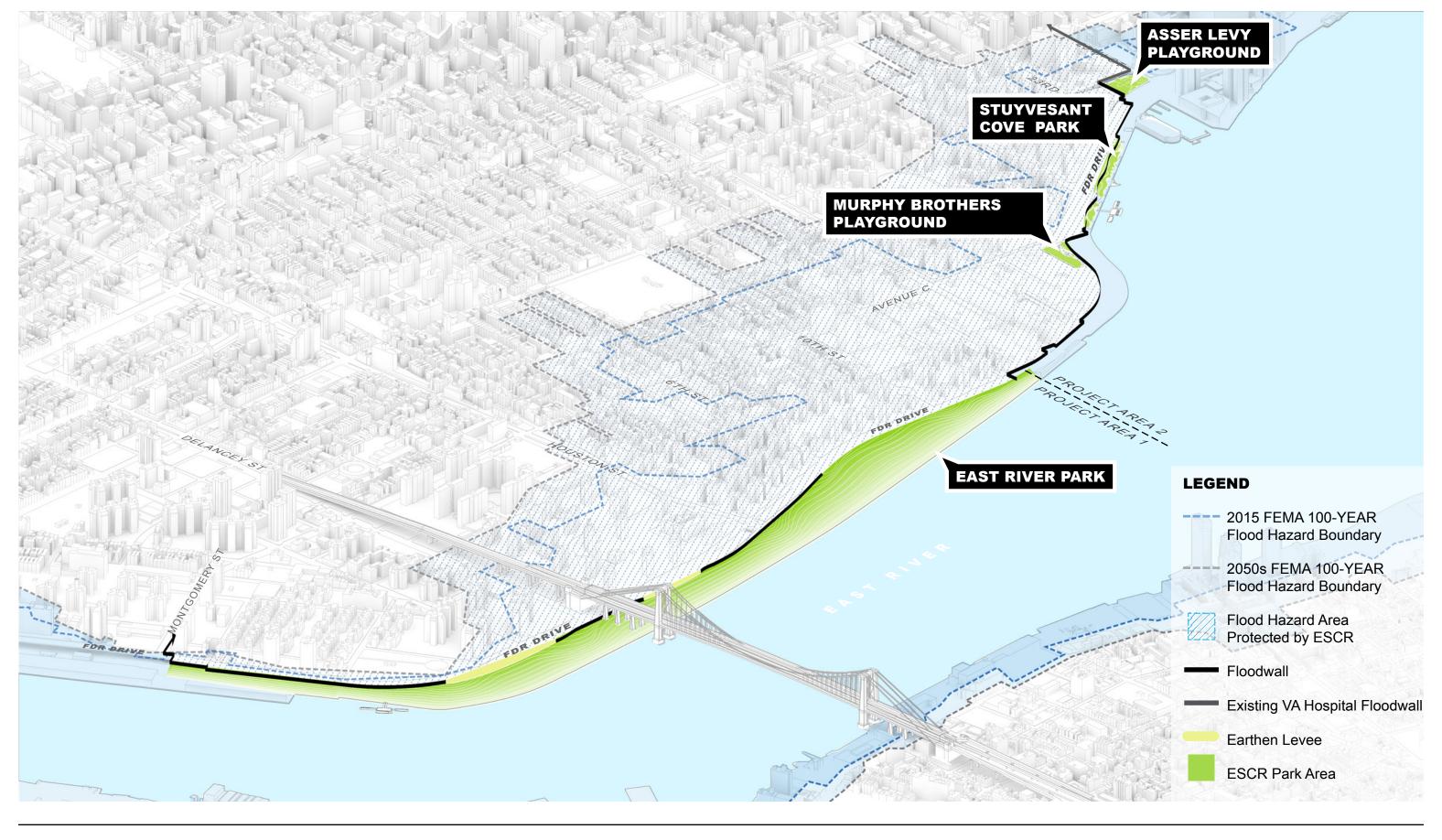


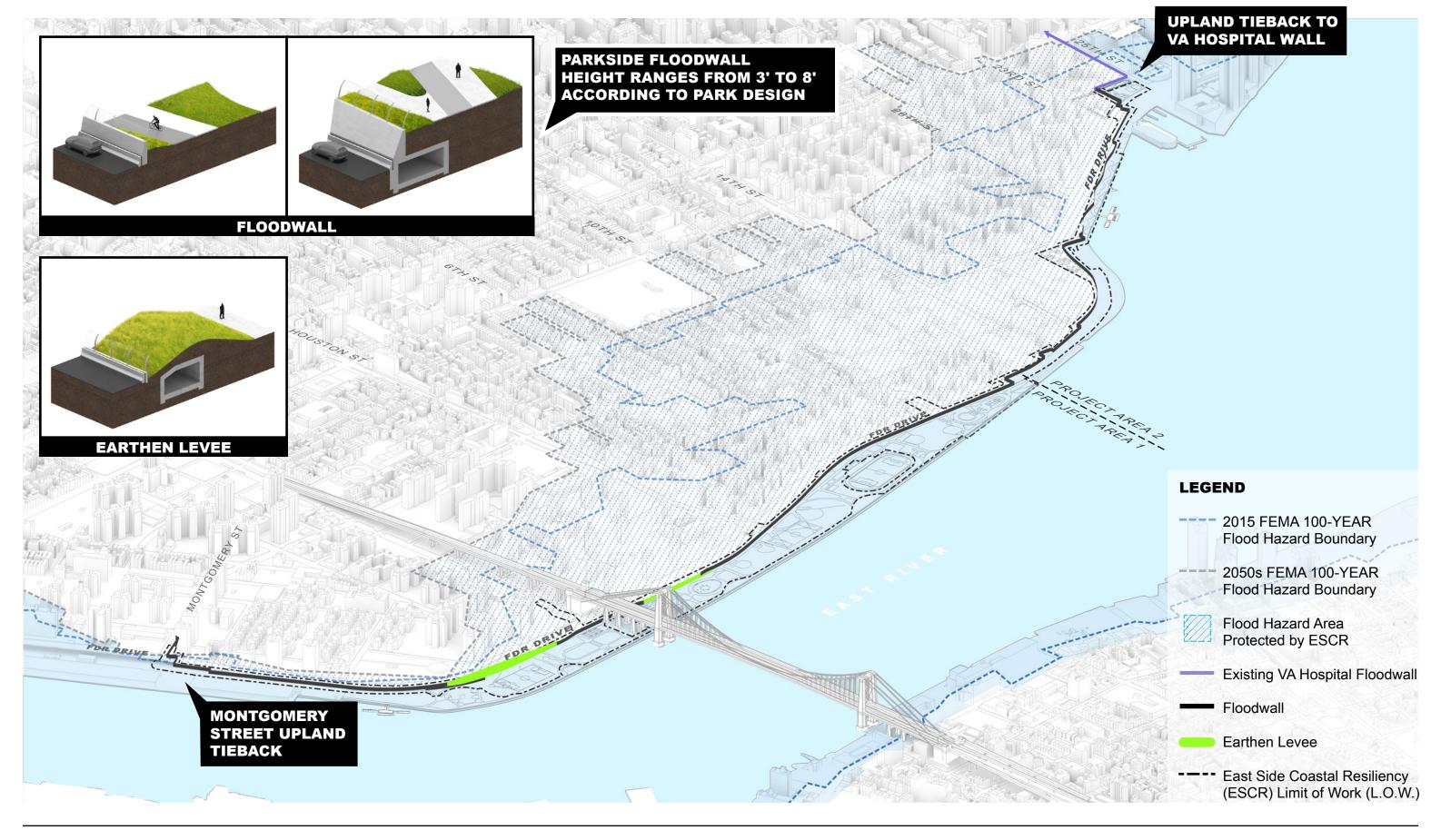


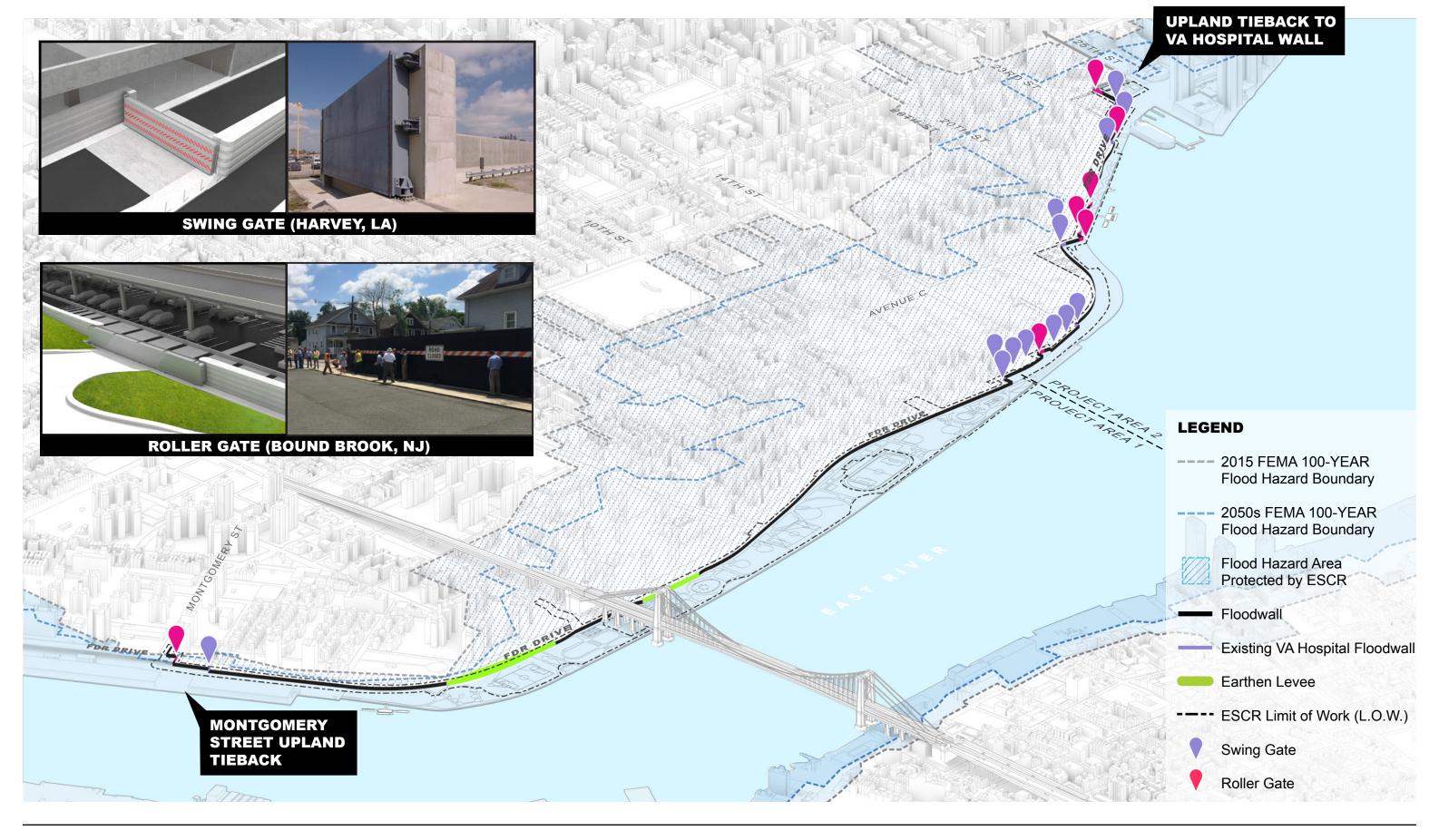
HUD FUNDING REQUIREMENT: THE SYSTEM MUST PURSUE **FEMA ACCREDITATION WITH MINIMUM SYSTEM ELEVATION AT CURRENT FEMA 100-YEAR STORM ELEVATION + FREEBOARD**

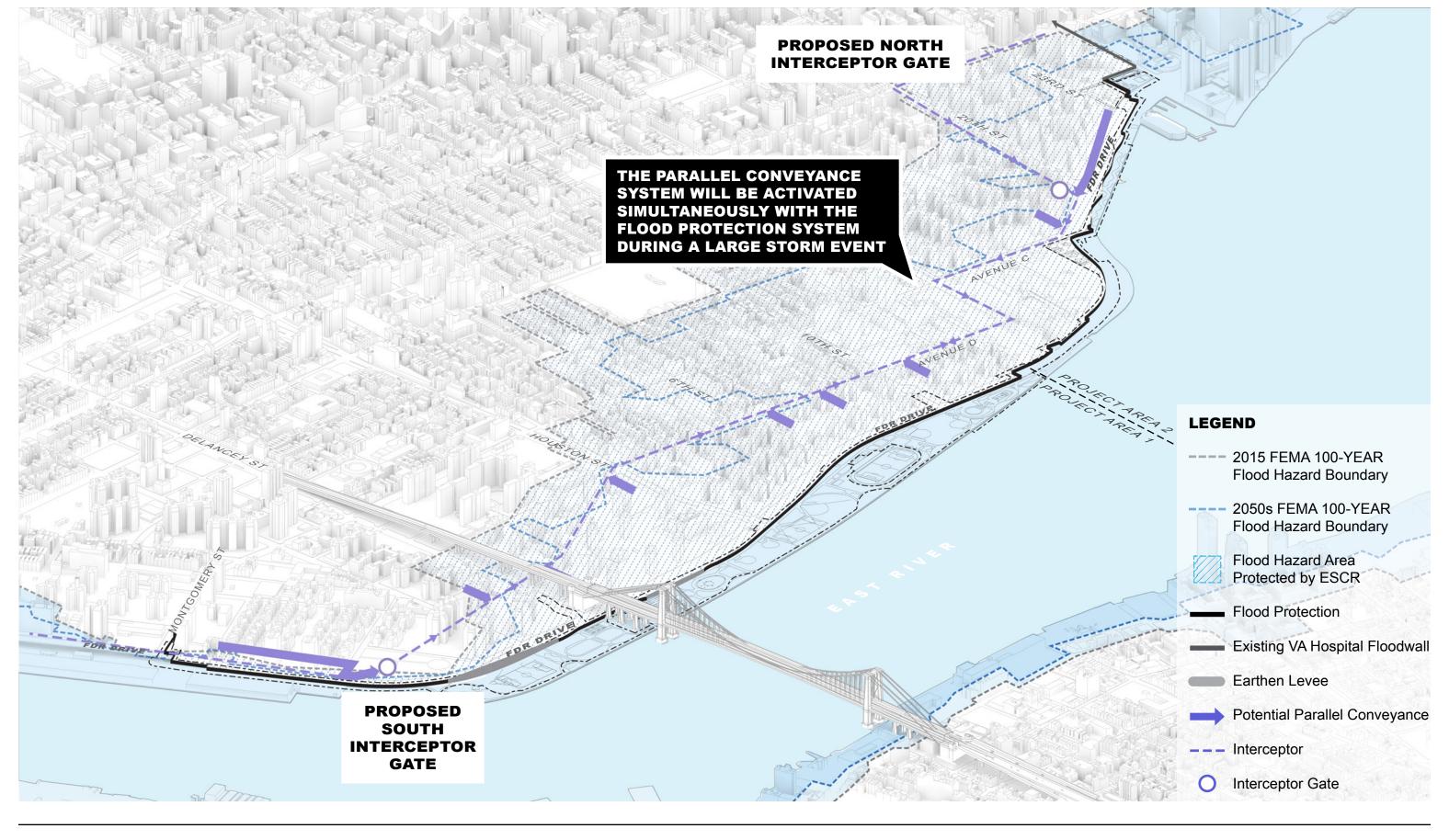
	ESCR DESIGN STORM EXCEEDANCE CONTINGENCY (2050s) FEMA 100-YEAR FLOOD + FREEBOARD/WAVE REQUIREMENT (HIGH END 2050s PROJECTION)
+13.50'	FEMA 100-YEAR FLOOD + FREEBOARD/WAVE REQUIREMENT (CURRENT)
+10.90'	FEMA 100-YEAR FLOOD STILLWATER (CURRENT)
+8.00'	APPROXIMATE GRADE AT ESPLANADE (CURRENT)
+2.28'	MEAN HIGHER HIGH WATER (MHHW) (CURRENT)

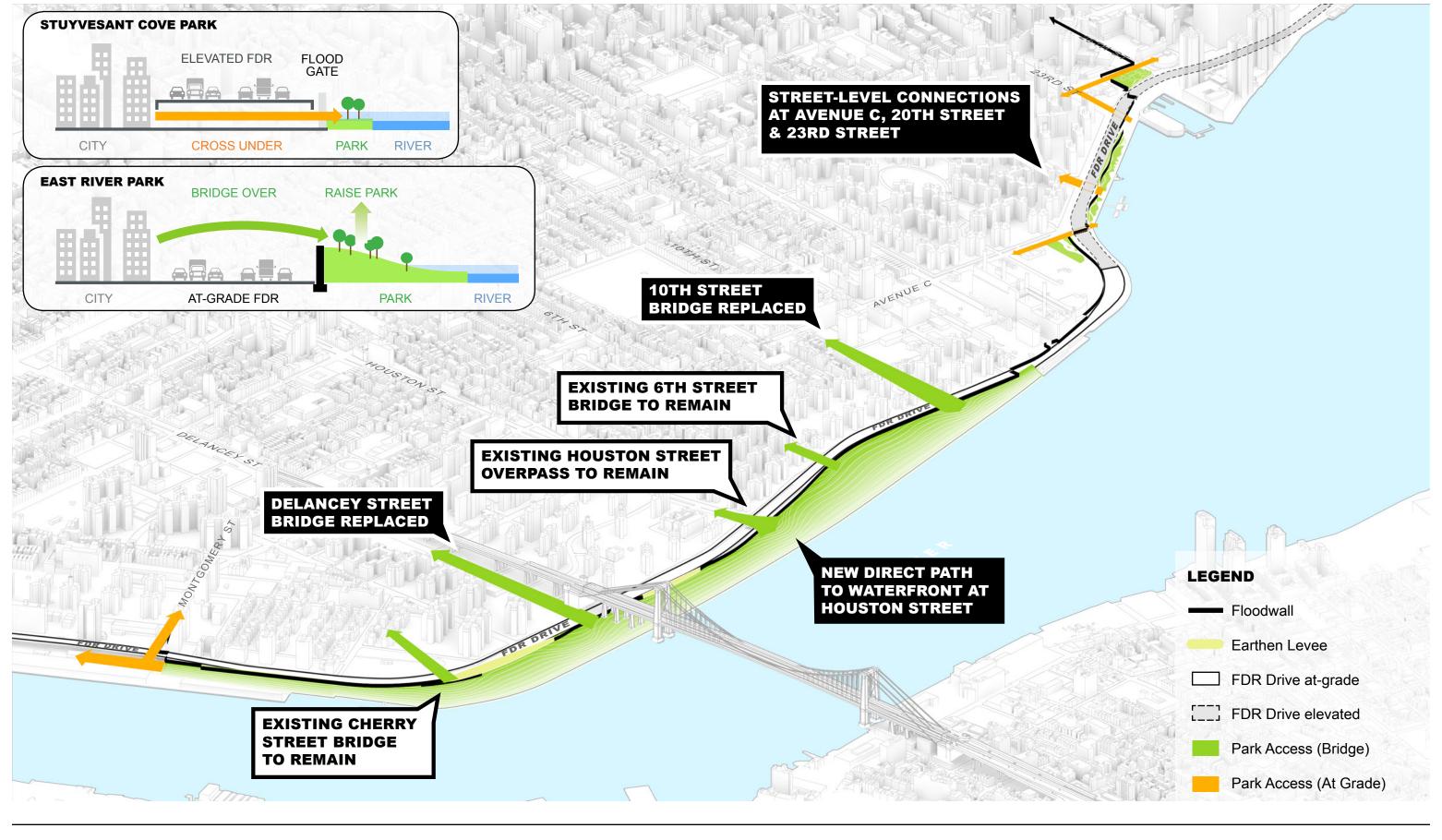
NOTE: ALL ELEVATIONS SHOWN IN NAVD88

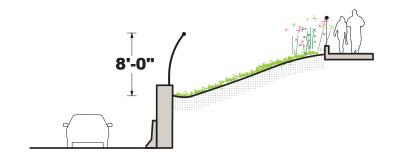


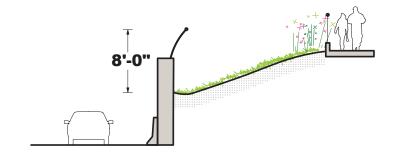


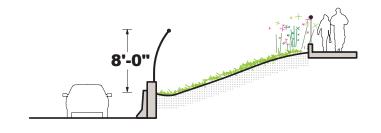


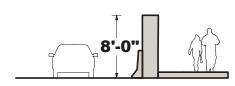










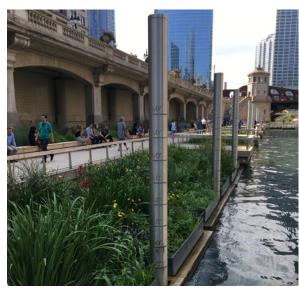


LOW WALL + HIGH FENCE

HIGH WALL + LOW FENCE

RETAINING WALL + FENCE (AT LEVEE)

NO FENCE



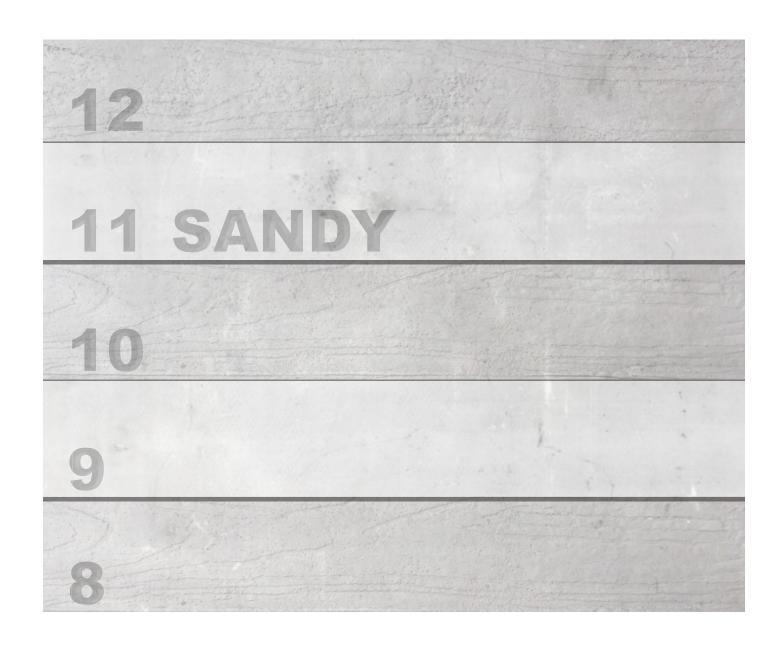
ELEVATION MARKER

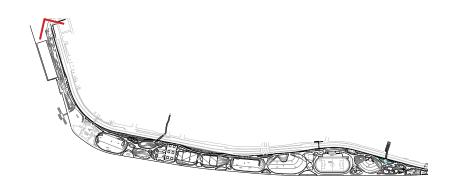
The floodwall finish responds to the overall project intent by registering elevation markers. Water Level Meter, Chicago, IL

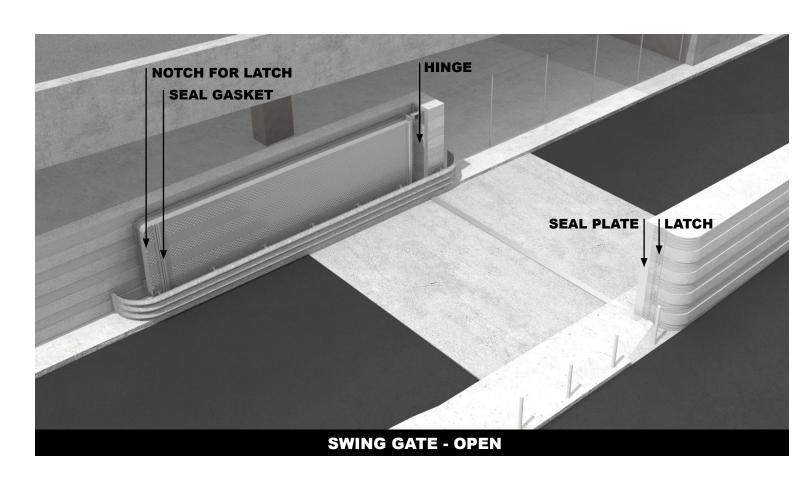


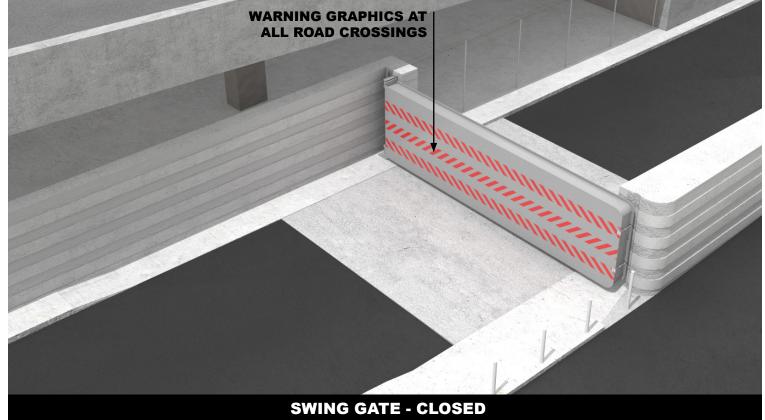
INFORMATION

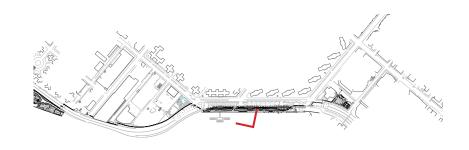
The wall texture expresses each foot of wall height. At select locations, such as entry locations and bridge abutments, elevation letterforms are recessed into the wall face.

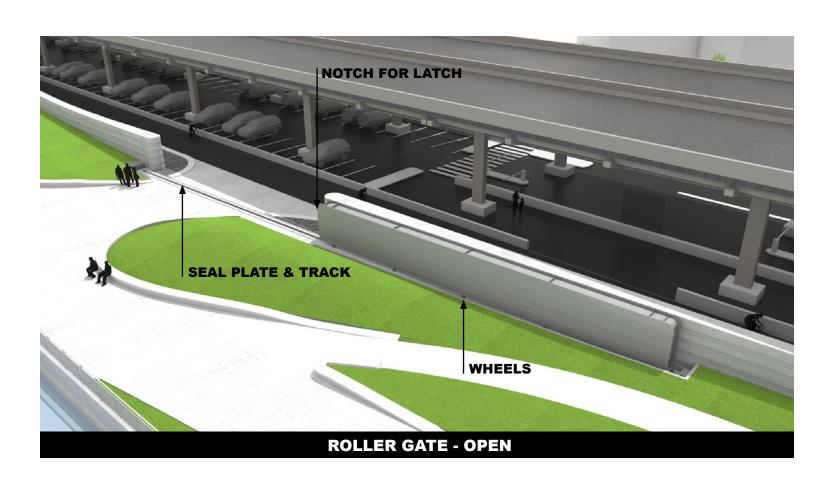


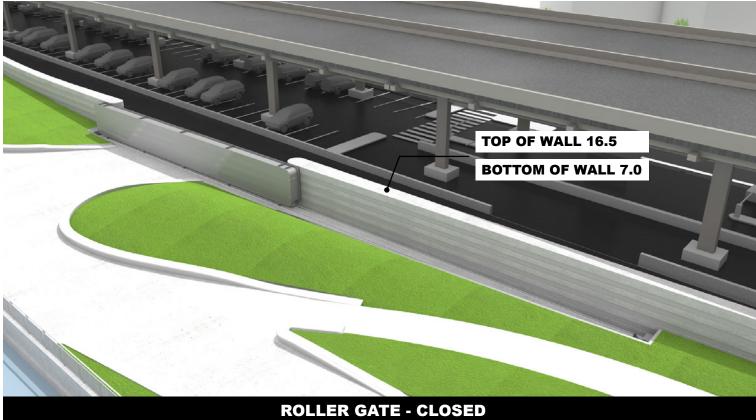








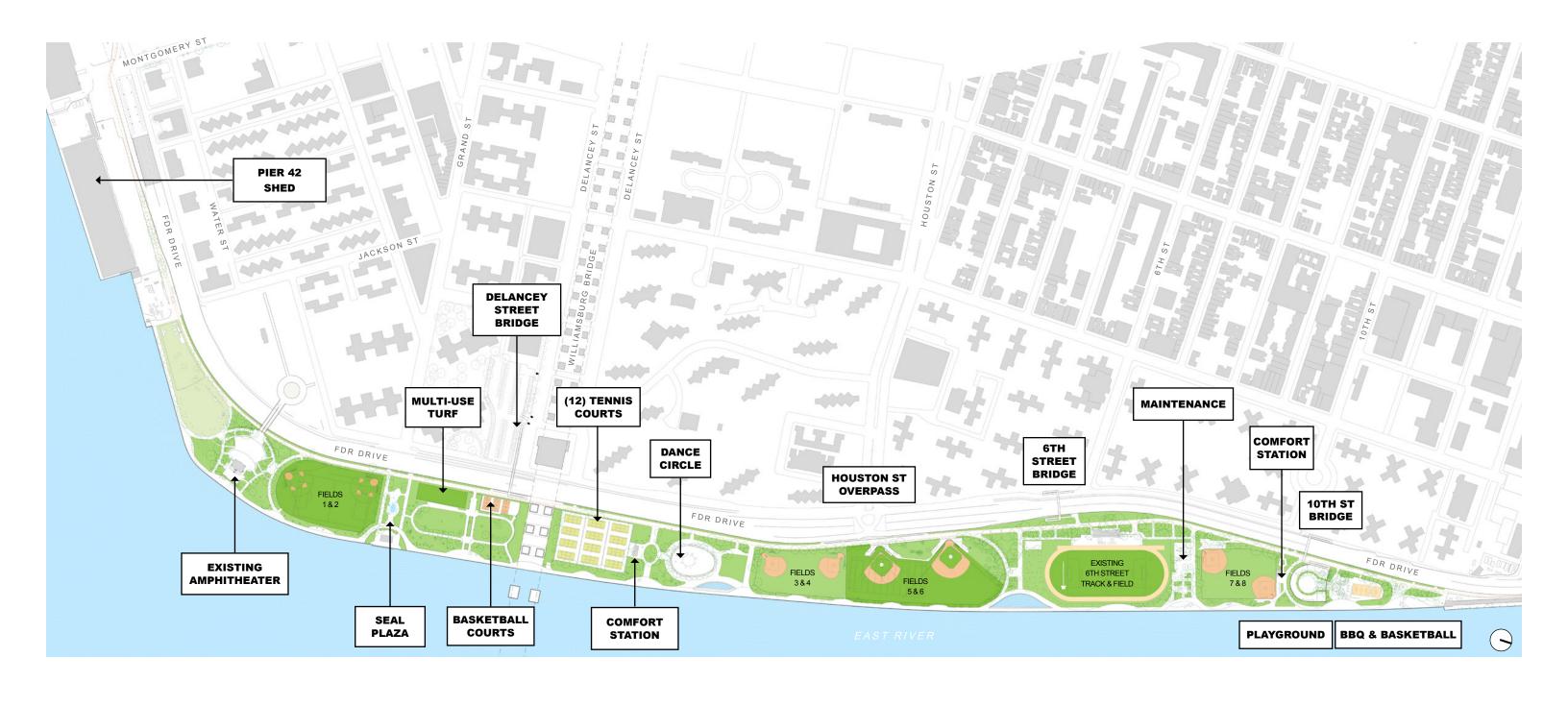




COMMUNITY BOARD PROJECT UPDATES

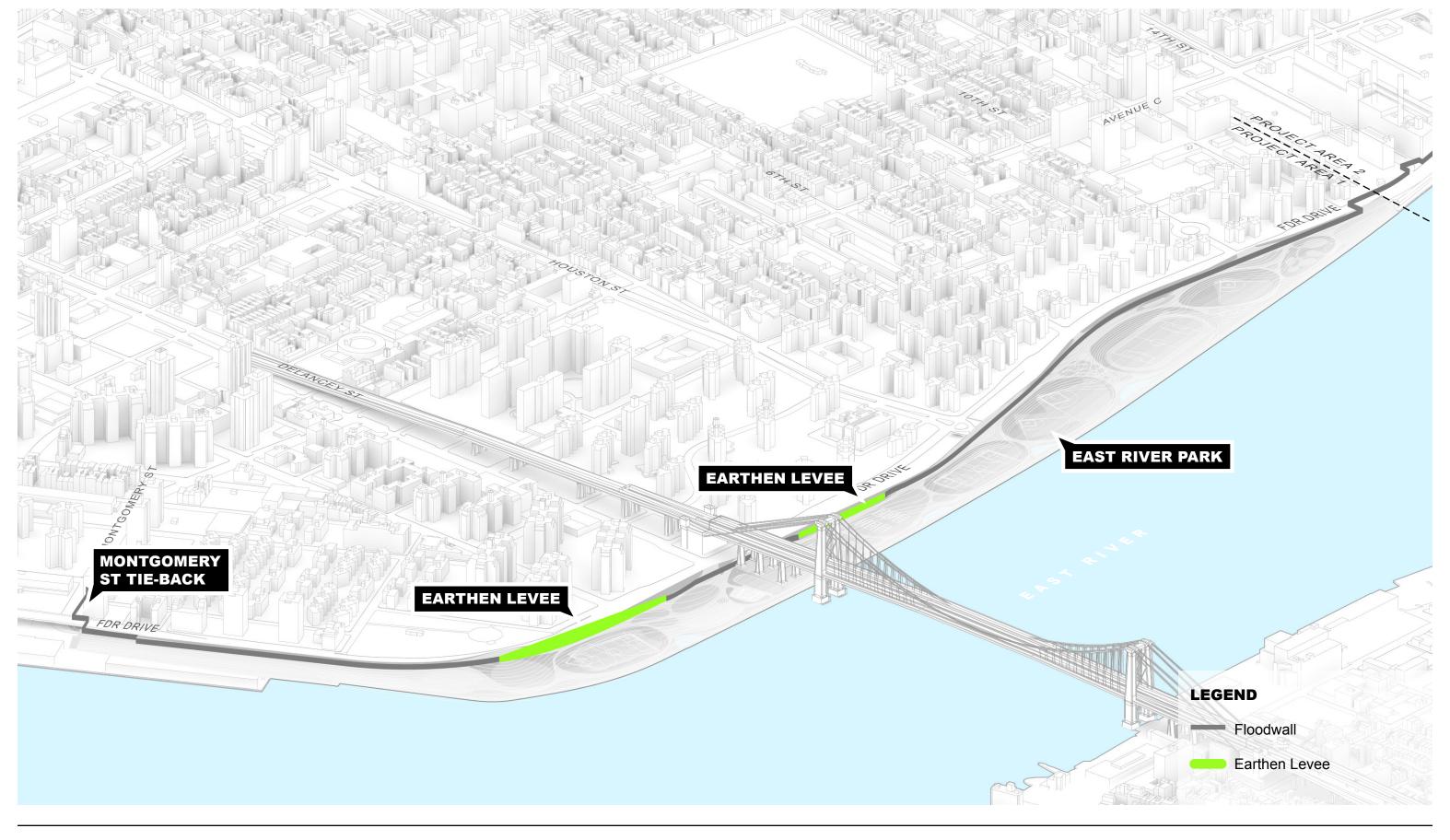
A. SITE STRATEGY

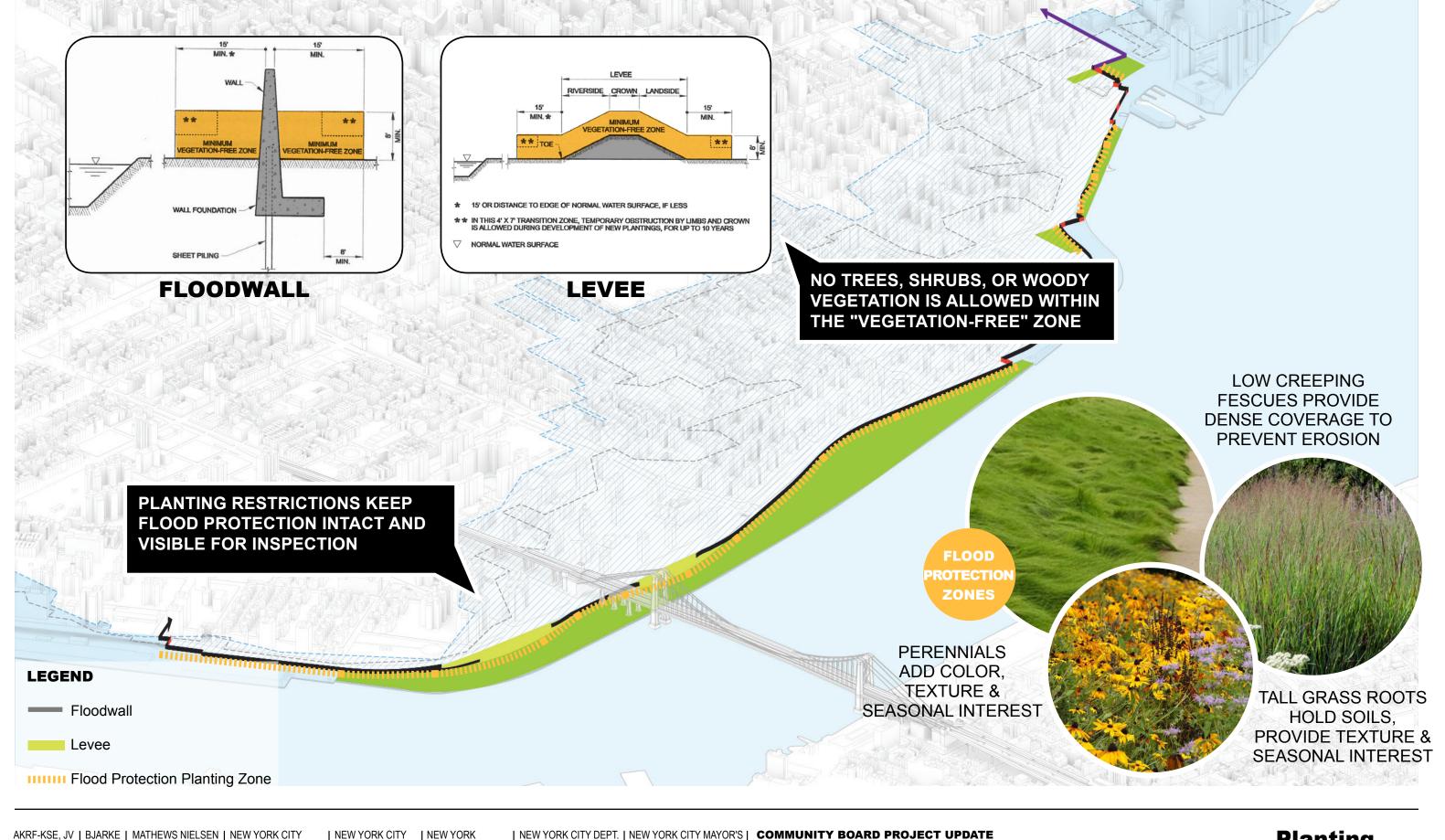
B. SITE DESIGN

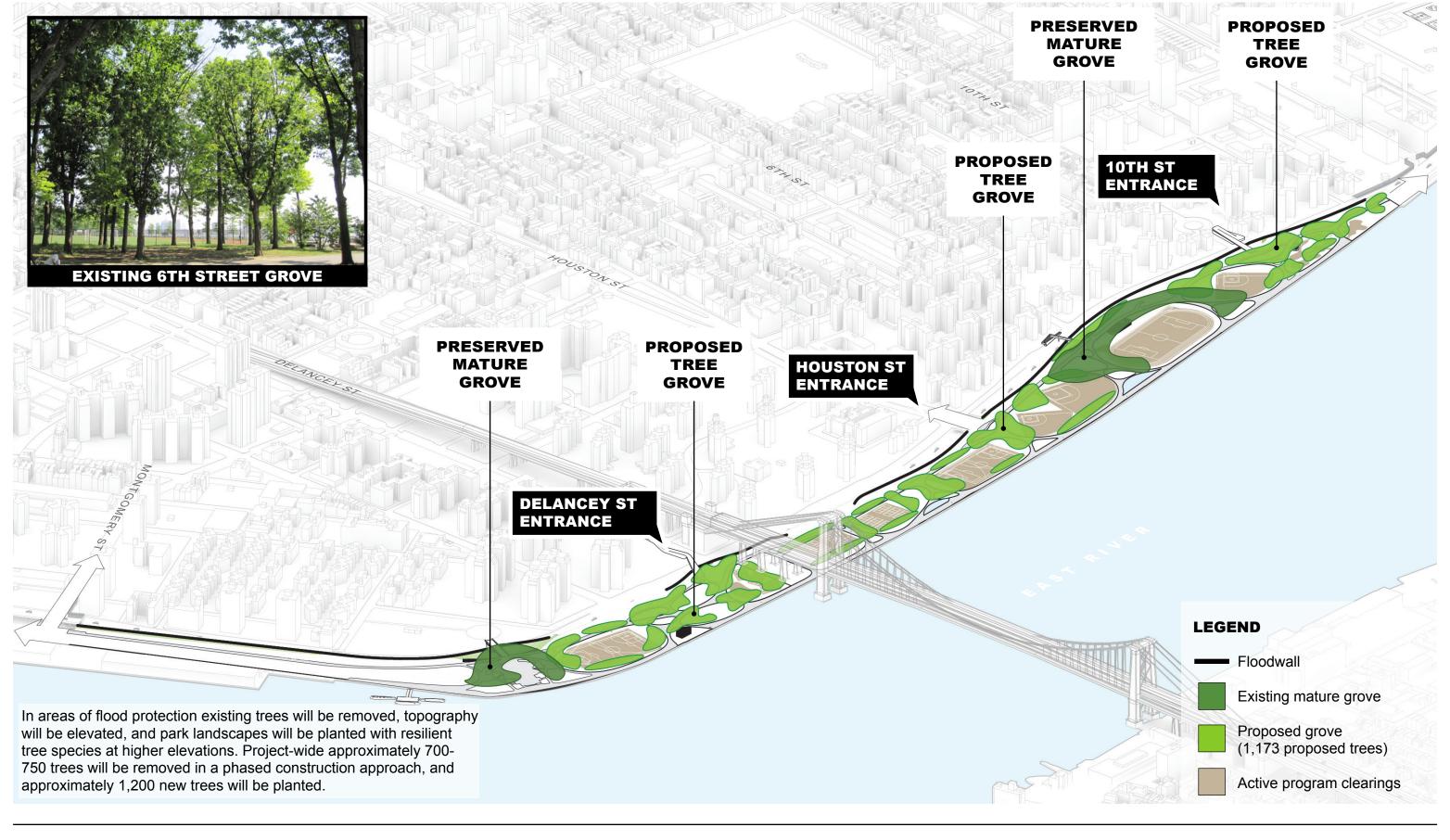






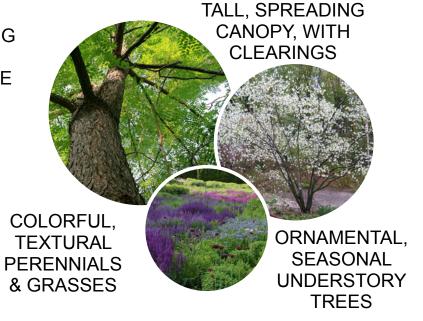








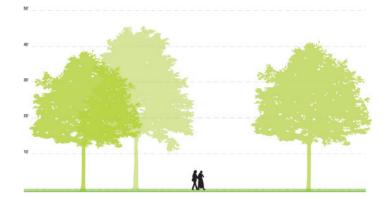


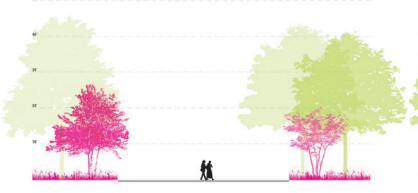














EXISTING GROVE

- Location: Existing groves
- Mulch groundplane maintains open sight lines and open circulation
- Maintenance: Mature trees, mulch



- Location: Open lawns and spectator areas
- Lawn groundplane maintains open sight lines and open circulation
- Maintenance: Trees, lawn



- Location: Clearing edges and special areas
- Ornamental understory trees and a low perennial groundplane maintain veiled, eye-level sight lines
- Plant rails at planting beds guide circulation
- Maintenance: Trees, garden beds



- Location: Paths and thresholds to frame views and buffer spaces
- Understory trees and shrub layer frame views and guide circulation forward
- Maintenance: Trees, shrubs

























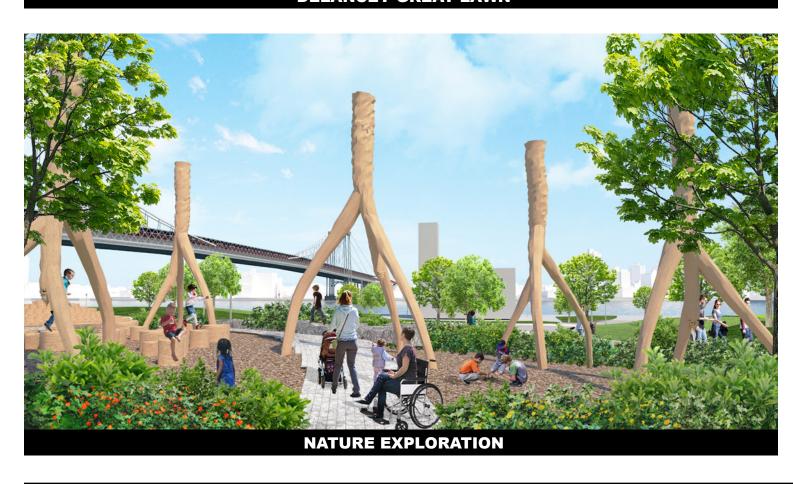












DELANCEY WATERFRONT

LANDSCAPE

AKRF-KSE, JV | BJARKE | MATHEWS NIELSEN | NEW YORK CITY DEPT. OF DESIGN GROUP ARCHITECTS, P.C. AND CONSTRUCTION AND RECREATION TRANSPORTATION PROTECTION

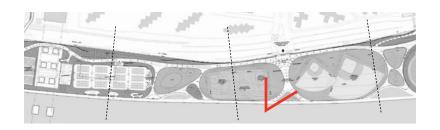
NEW YORK CITY DEPT. OF PARKS

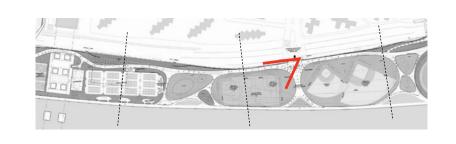
NEW YORK CITY DEPT. OF NEW YORK CITY DEPT. OF ENVIRONMENTAL

| NEW YORK CITY MAYOR'S OFFICE OF RECOVERY AND RESILIENCY

COMMUNITY BOARD PROJECT UPDATE EAST SIDE COASTAL RESILIENCY PROJECT MARCH 27, 2018















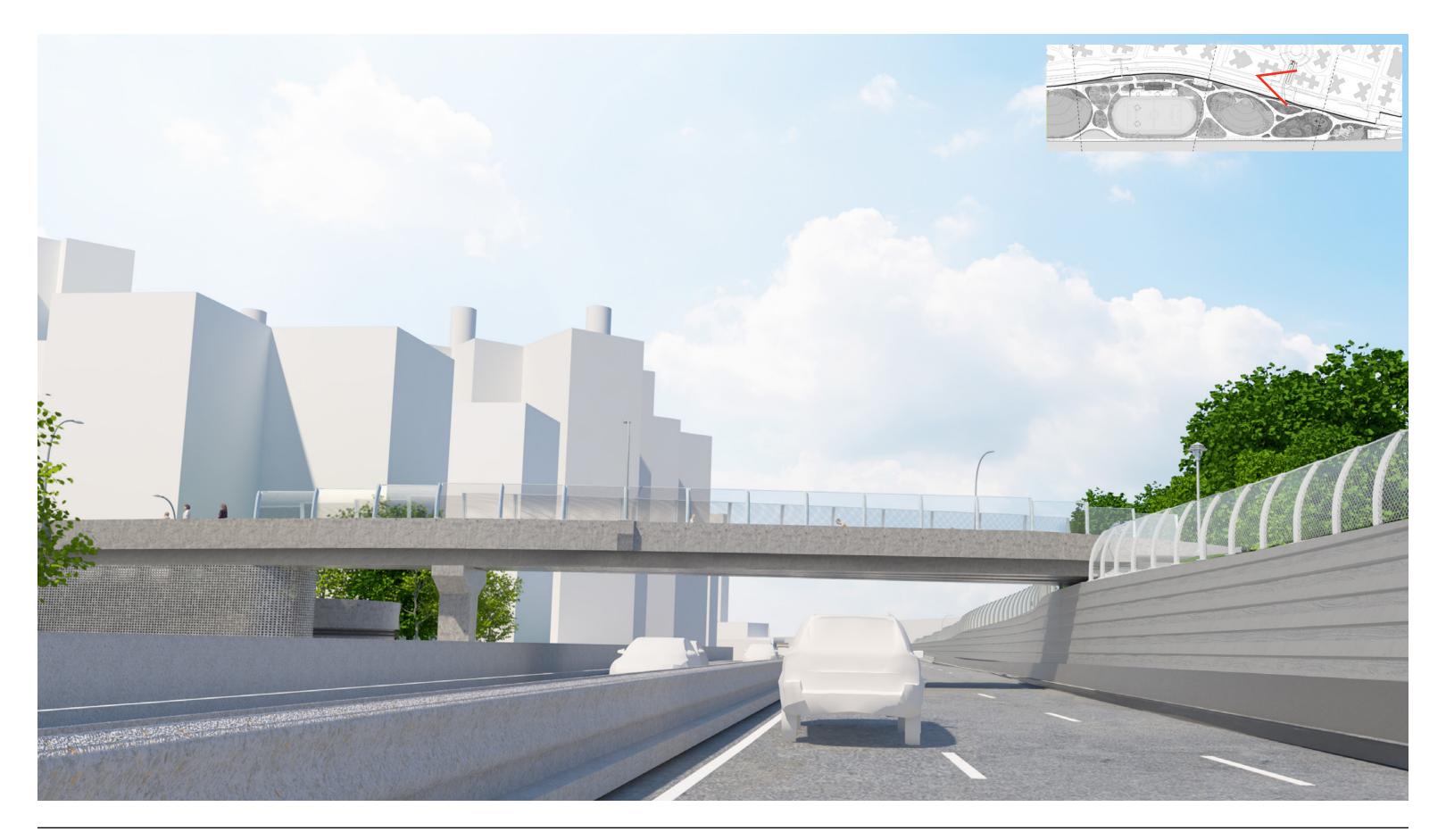






















NEXT STEPS

- Final design advancement
 - **Finalize materials and finishes**
 - **Continue coordination with City Agencies, Utilities Community Boards, and PDC**
- Advance construction phasing and sequencing studies
- Release draft EIS anticipated July 2018
- Submit ULURP application anticipated July 2018
- Final Design PDC and Community Board review

UPCOMING MEETINGS

- **PDC Preliminary Design Review**
 - **CB6 Full Board Meeting** (4/11/18)
- Community Engagement Meetings (TBD late April / May)
 - **Study Area 1 South (Montgomery St to Houston St)**
 - **Study Area 1 North (Houston St to 14th St)**
 - Study Area 2 (14th St to 25th St)



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