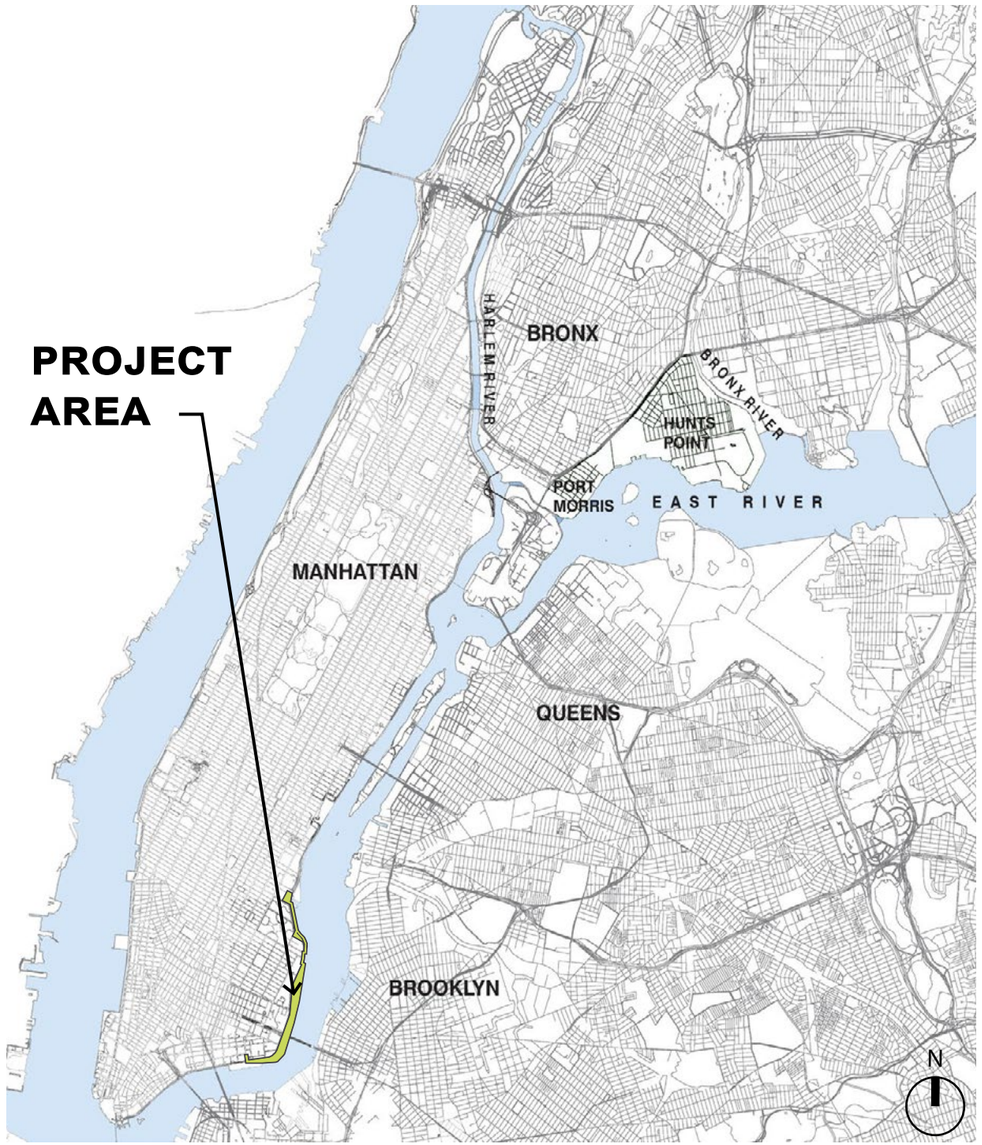
East Side Coastal Resiliency Signage

CB6

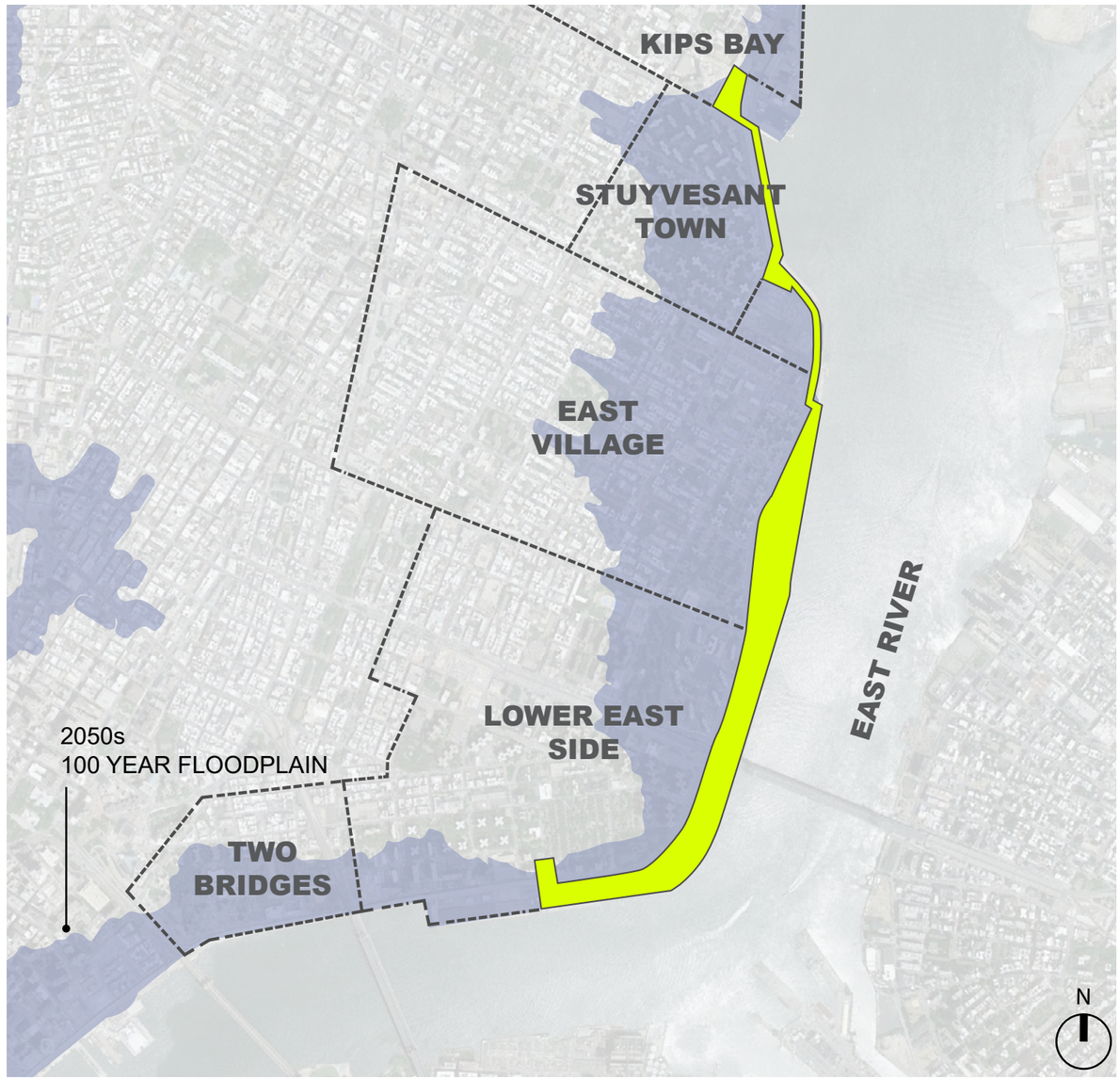
Land Use & Waterfront Committee

February 22, 2021

BOROUGH CONTEXT



NEIGHBORHOOD CONTEXT



What we've heard

- The signs could be more approachable/fun.
- The text content should be less technical and easier for passersby to understand.
- Is there potential for the signs to be in multiple languages? And or include a QR code?
- The text size should be increased for legibility.

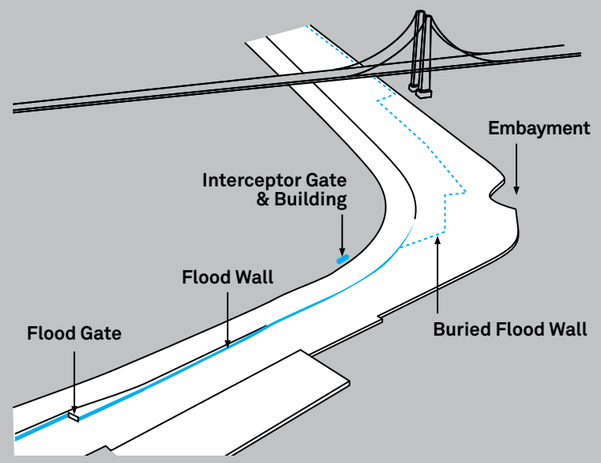
List of Updates:

- The text has been rewritten for all signs.
- Increased font size for legibility (both description and diagram labels).
- Sign Colors have been revised.
- Sign height increased (component signs) to allow more breathing room for graphics.
- Diagram line weight increased for legibility.

List of Sign Types

S1.1 Resiliency Introduction

East Side Coastal Resiliency Project (ESCR)

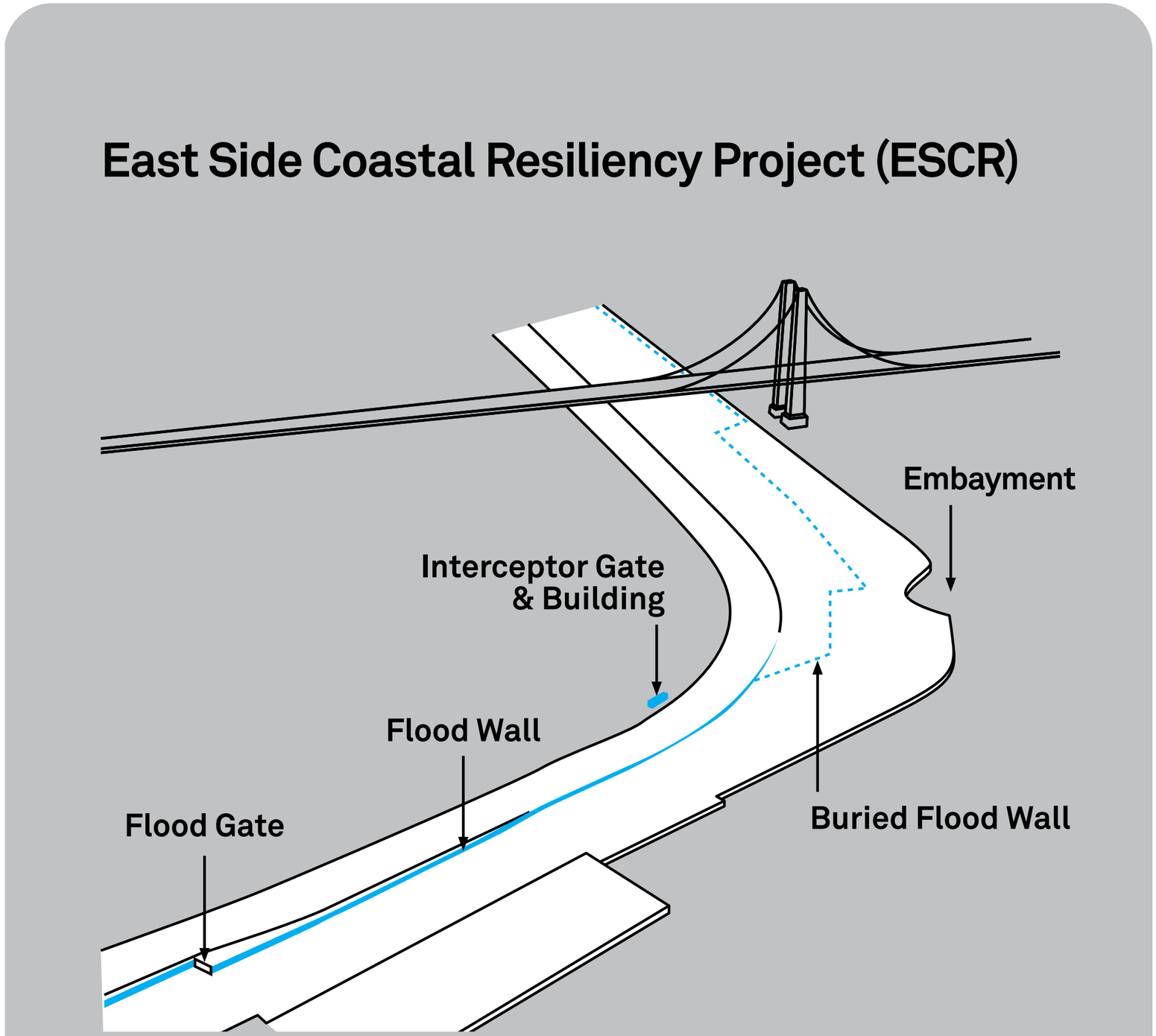


In 2012, Hurricane Sandy devastated New York City, resulting in the deaths of 44 New Yorkers and causing $19 billion in damages. Extensive coastal flooding along the East Side of Manhattan damaged homes, businesses, open space, and infrastructure.

The ESCR project is designed to address the challenges of climate change by protecting the area between Montgomery St. and E. 25th St. from coastal storms and sea level rise. This flood protection system is made up of a series of flood walls, flood gates, raised landscapes, and sewer upgrades. These protective features were designed to blend into the waterfront while improving access and open spaces.

S1.1 Resiliency Introduction:

Close up view



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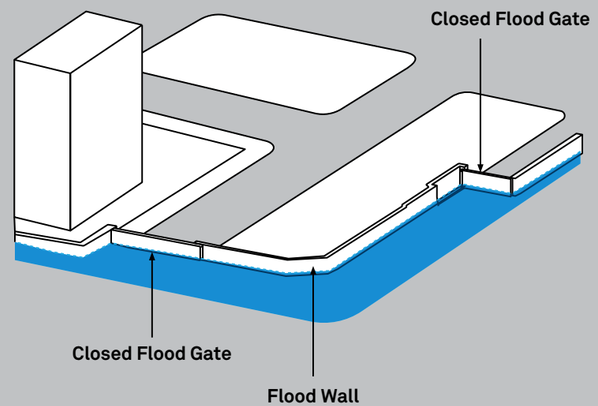
NYC Mayor's Office of Resiliency · NYC DDC Department of Design and Construction · NYC Parks · NEW YORK CITY DOT · NYC Environmental Protection · NYCEDC

S1.2 Component Information: Flood wall

East Side Coastal Resiliency (ESCR)



Flood Wall

Due to climate change, sea levels are rising and coastal storms are becoming more frequent and severe. To address these challenges, multiple flood walls have been built in this area as part of the East Side Coastal Resiliency (ESCR) project. This flood wall is constructed from reinforced concrete and steel. The pattern and numbers on the wall indicate the height of the wall above sea level, using the 2015 sea level as a baseline.

S1.2 Component Information: Flood wall

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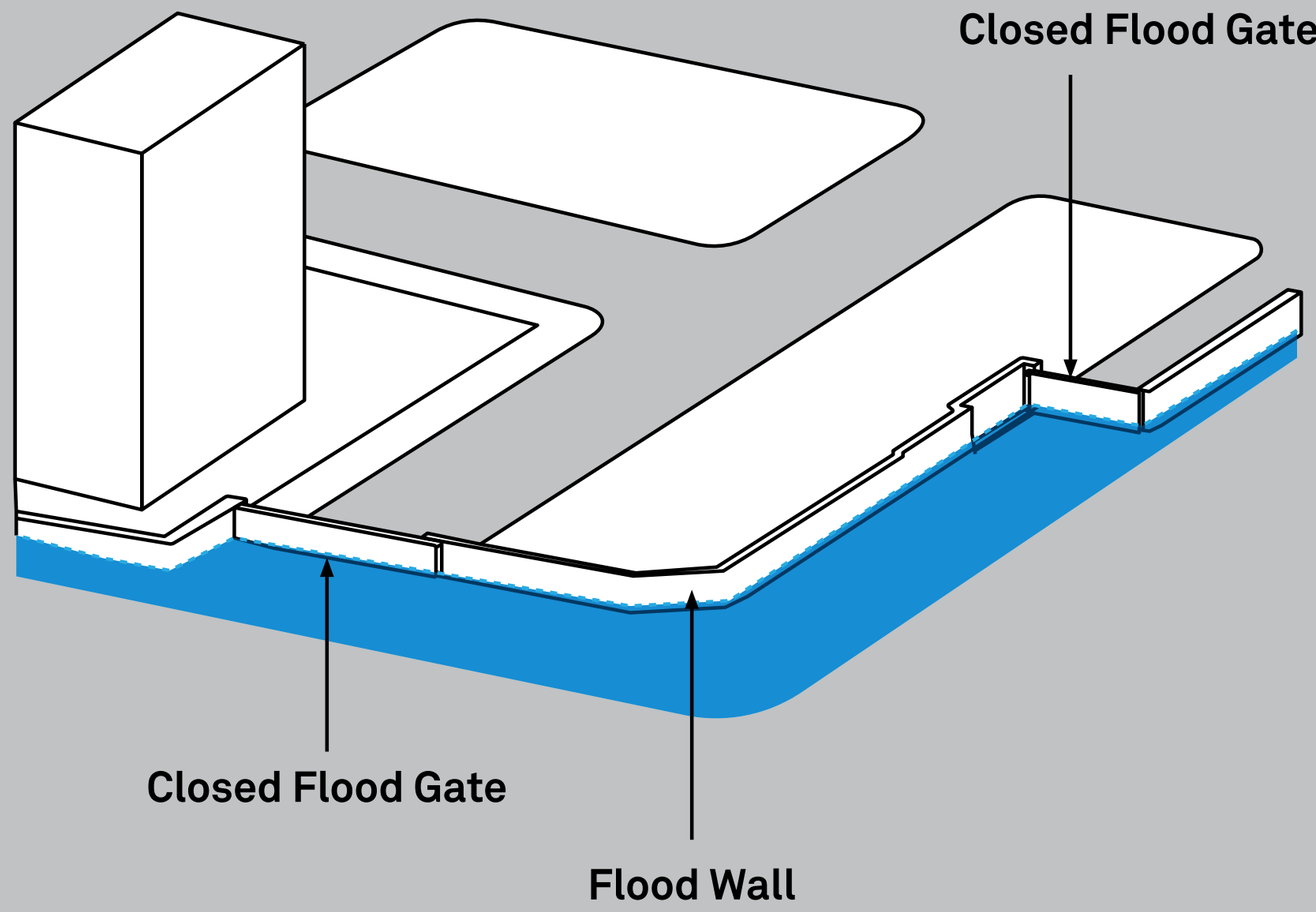

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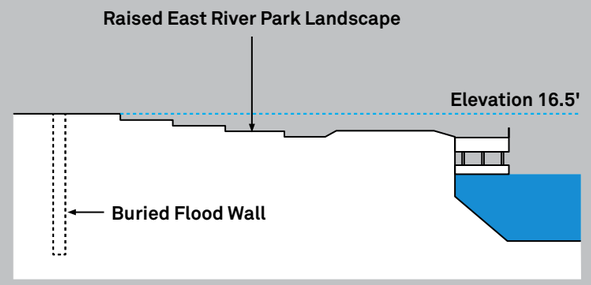
NYC Parks

NEW YORK CITY DOT

NYC Environmental Protection

S1.2 Component Information: Buried Flood Wall

East Side Coastal Resiliency (ESCR)

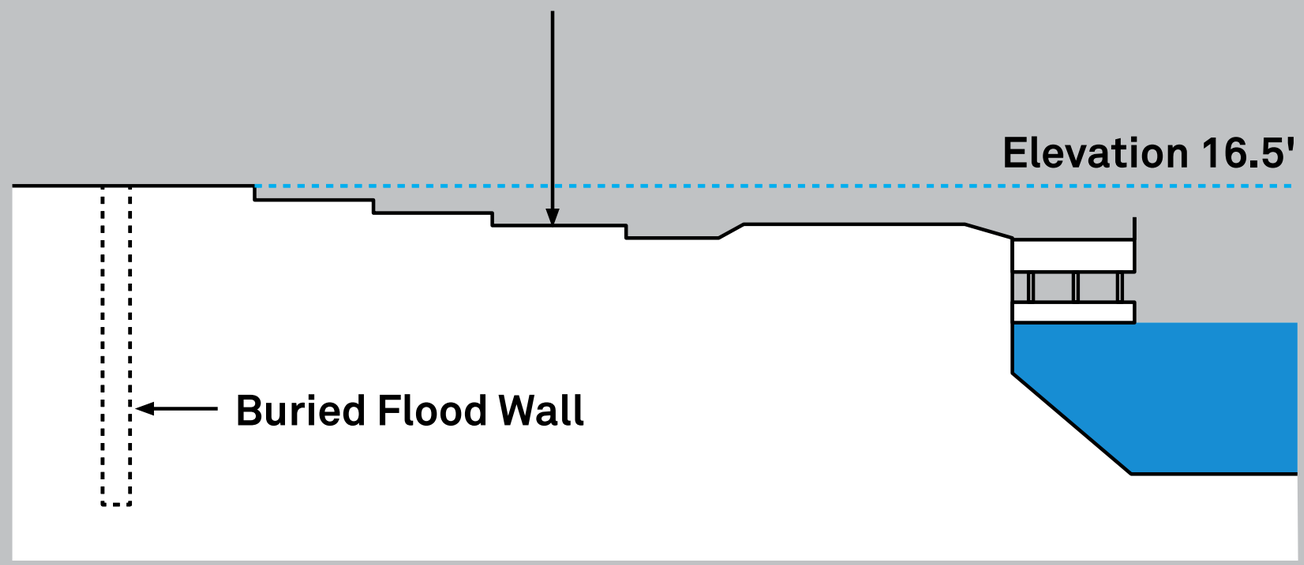


Buried Flood Wall

You are standing on top of one of the most ambitious coastal flood protection projects in the United States. Climate change is causing more frequent and severe coastal storms and rising sea levels. As part of the ESCR project, East River Park was raised about eight feet to block floodwaters from hurricanes and Nor'easters. This raised parkland connects with a system of flood walls, flood gates, raised landscapes, and sewer system safeguards stretching 2.4 miles from Montgomery St. to E. 25th St. These elements will ensure that generations of New Yorkers will be protected from future climate change threats.

S1.2 Component Information: Buried Flood wall

East Side Coastal Resiliency (ESCR)



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NYC Parks

S1.2 Component Information: Flood Gate

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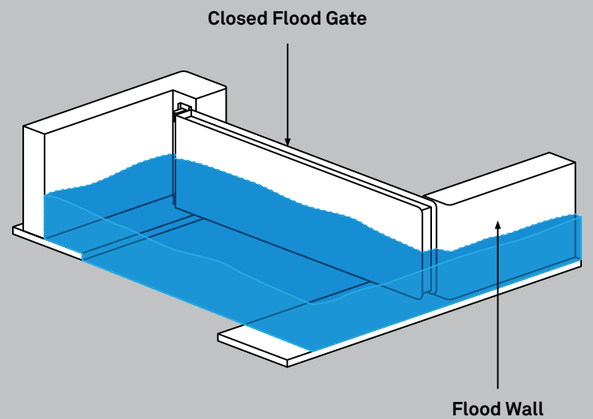

Flood Gate

These flood gates are some of the largest within any city in the country. As part of the East Side Coastal Resiliency (ESCR) project, these flood gates work in tandem with the adjacent flood walls, plugging the gaps to create a continuous line of defense against storm surge. These flood gates will only be closed in the event of a coastal storm. Eighteen flood gates, including both roller and swing gates, are utilized throughout the 2.4-mile span of ESCR.

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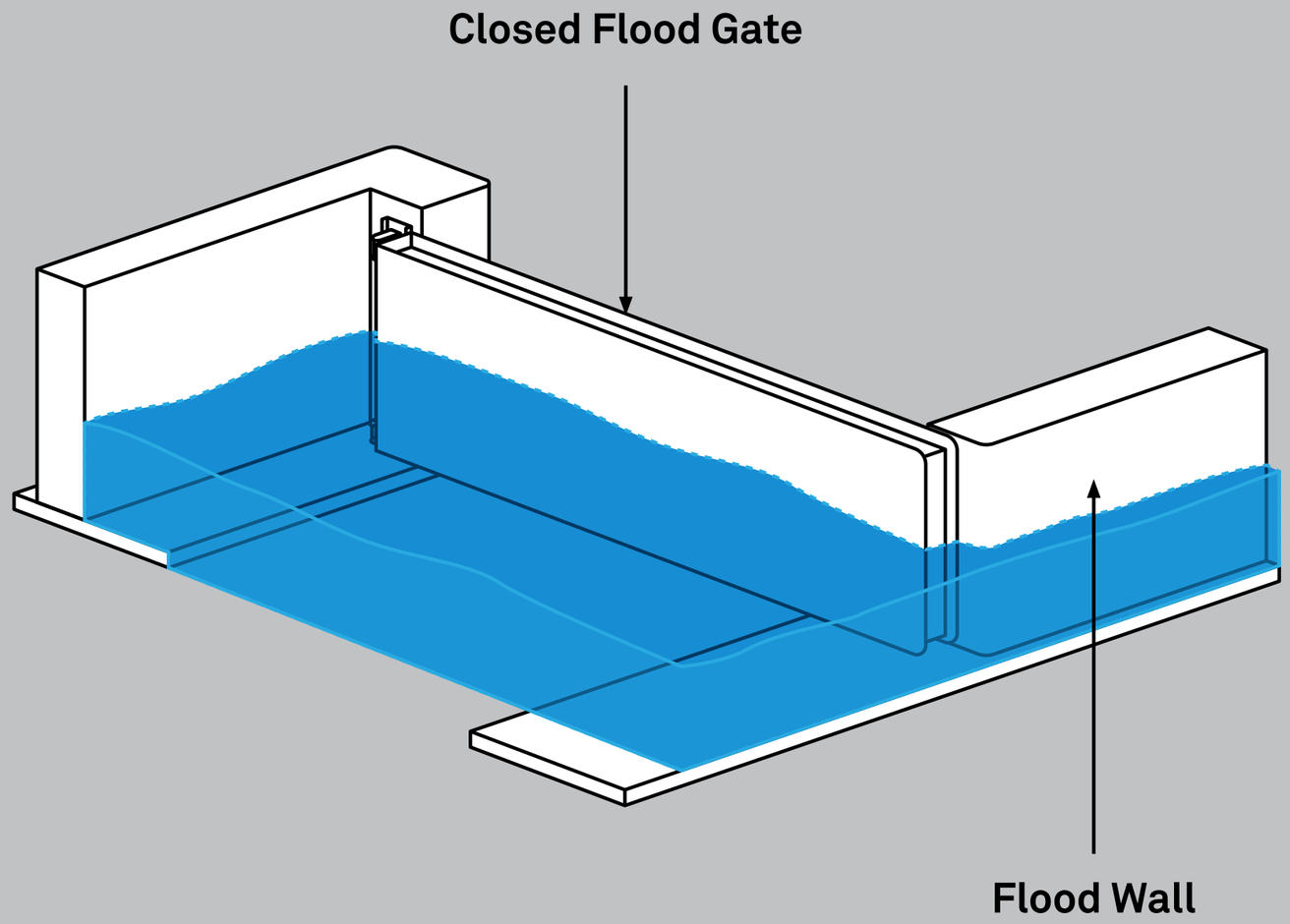

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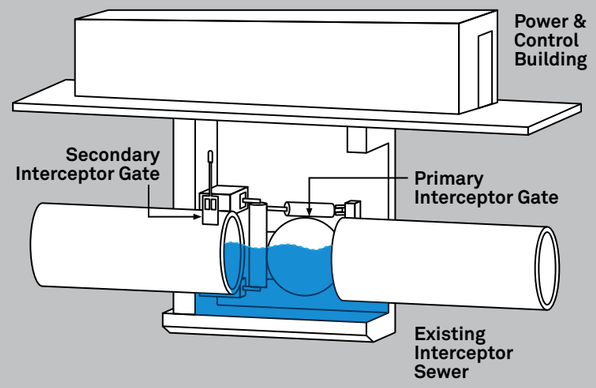
NEW YORK CITY DOT

S1.2 Component Information: Interceptor Gates

East Side Coastal Resiliency (ESCR)



Interceptor Gates

During a coastal storm, waters can rush into the sewers and send a mix of seawater and sewage through underground pipes that are connected to neighborhood homes and businesses. To block stormwater from entering the wider sewer system, this building houses equipment that controls an underground interceptor gate that closes during a storm. This interceptor gate is part of ESCR, which protects a 2.4-mile area between Montgomery St. and E. 25th St. from coastal storms and sea level rise caused by climate change.

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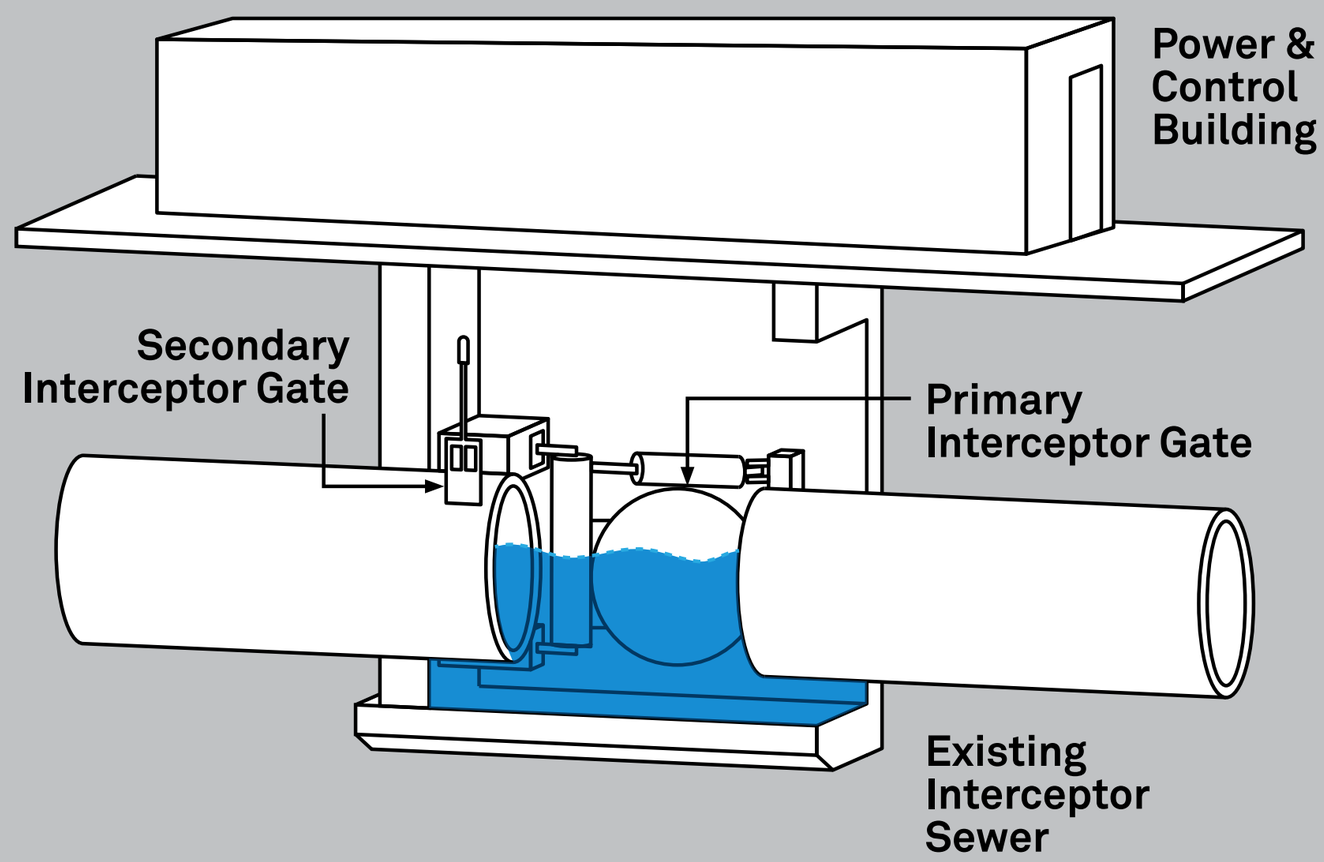

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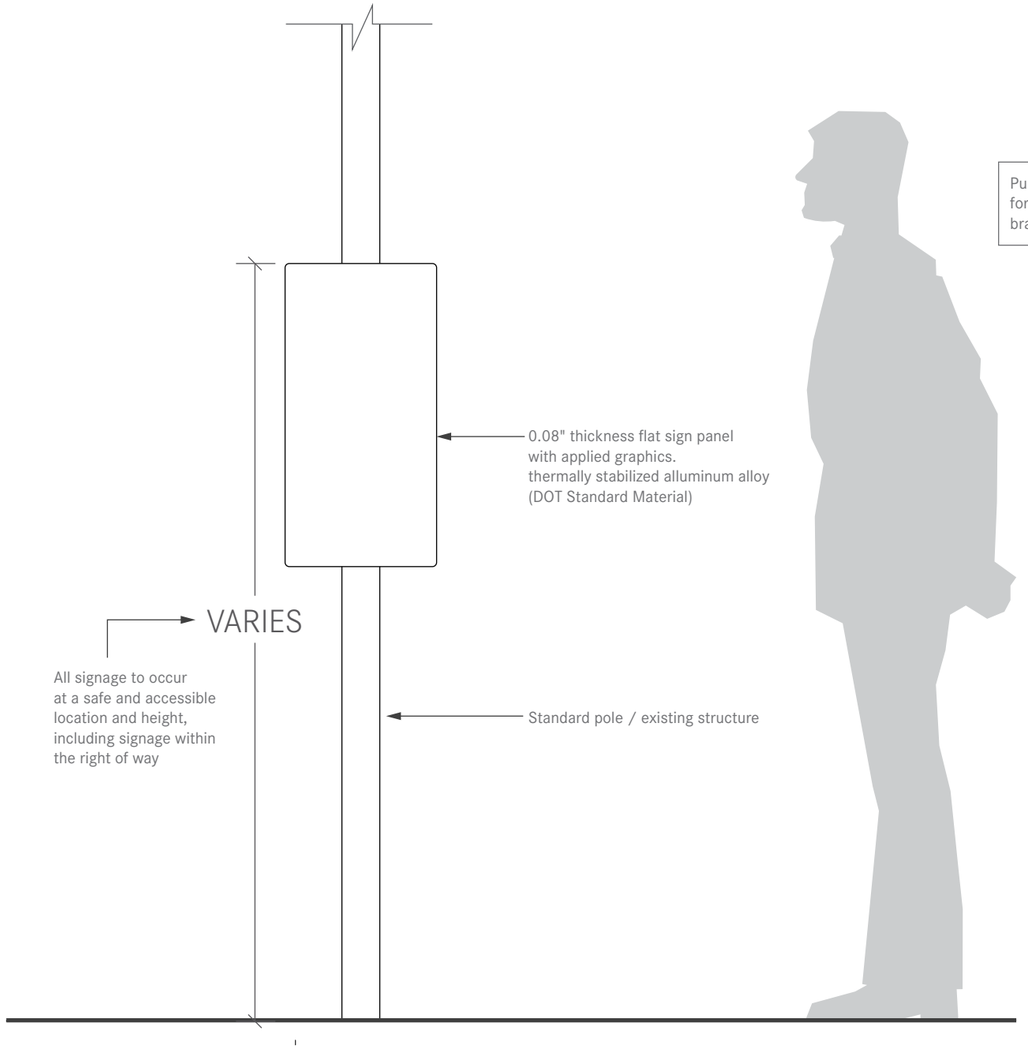
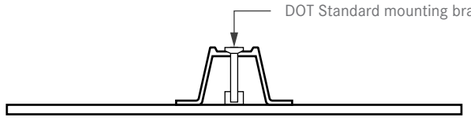
NEW YORK CITY DOT

NYC Environmental Protection

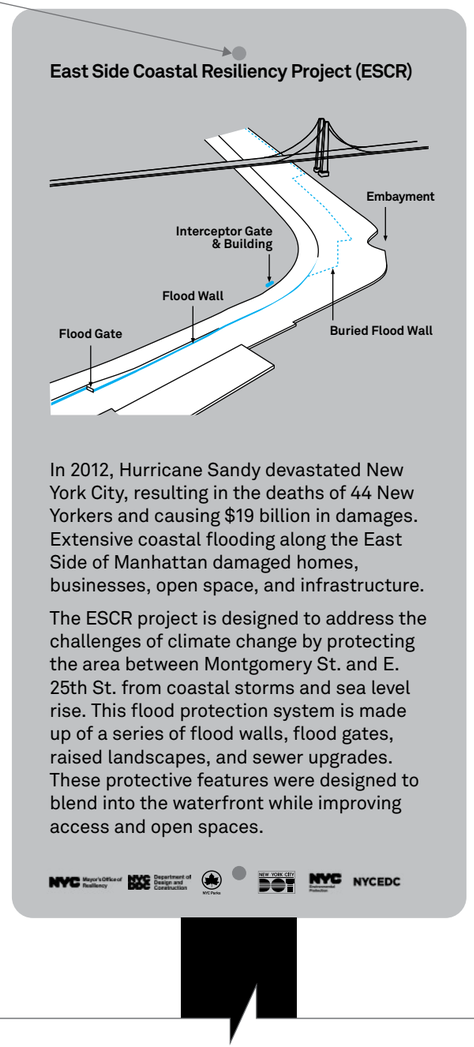


1 S1.1 Resiliency Introduction - Elevation
1" = 1'-0"



3 S1.1 Resiliency Introduction - Detail - Top
3" = 1'-0"

Punched 3/8" diameter hole, for mounting with DOT standard brackets. Hole is 1" from edges.



3 S1.1 Resiliency Introduction - Detail - Front
3" = 1'-0"

Sign Locations

Full Location Plan

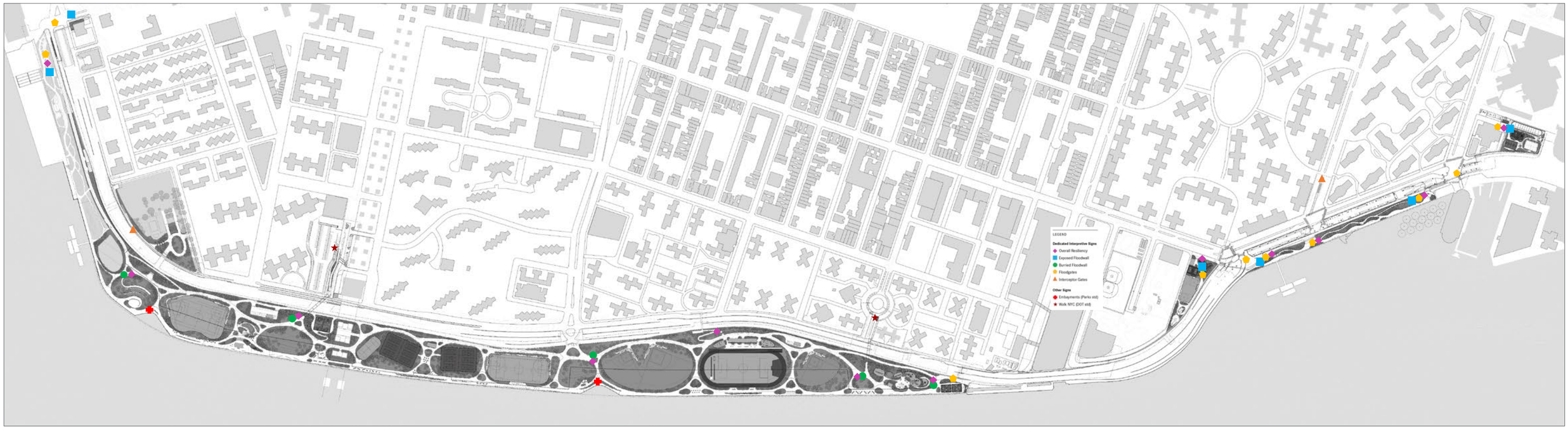
LEGEND

Dedicated Interpretive Signs

- Overall Resiliency
- Exposed Floodwall
- Burried Floodwall
- Floodgates
- Interceptor Gates

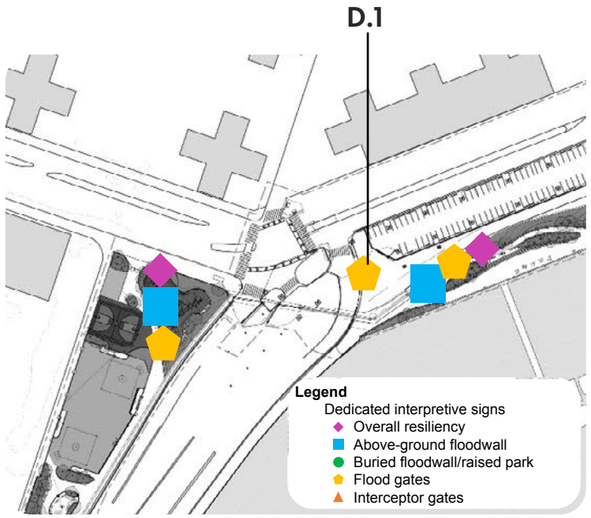
Other Signs

- Embayments (Parks std)
- Walk NYC (DOT std)



ESCR INTERPRETIVE SIGNAGE

Proposed Locations - Stuy Cove Park South, Avenue C View



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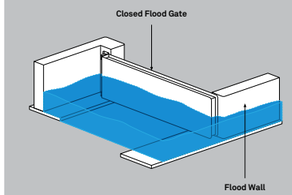

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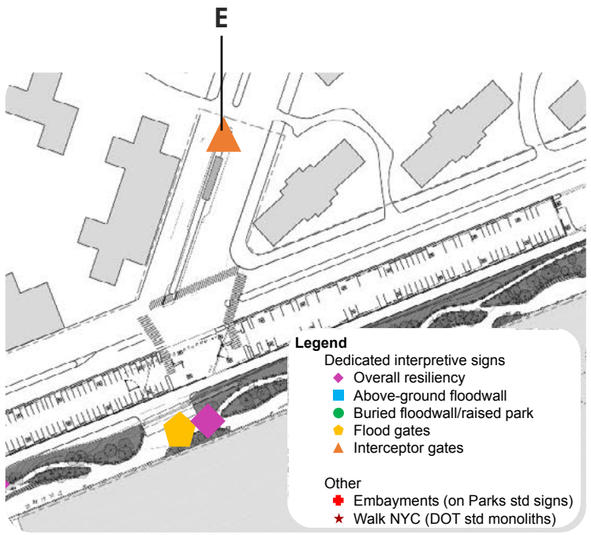
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - North Interceptor Gate Building Rendered Aerial View



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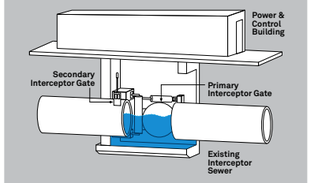

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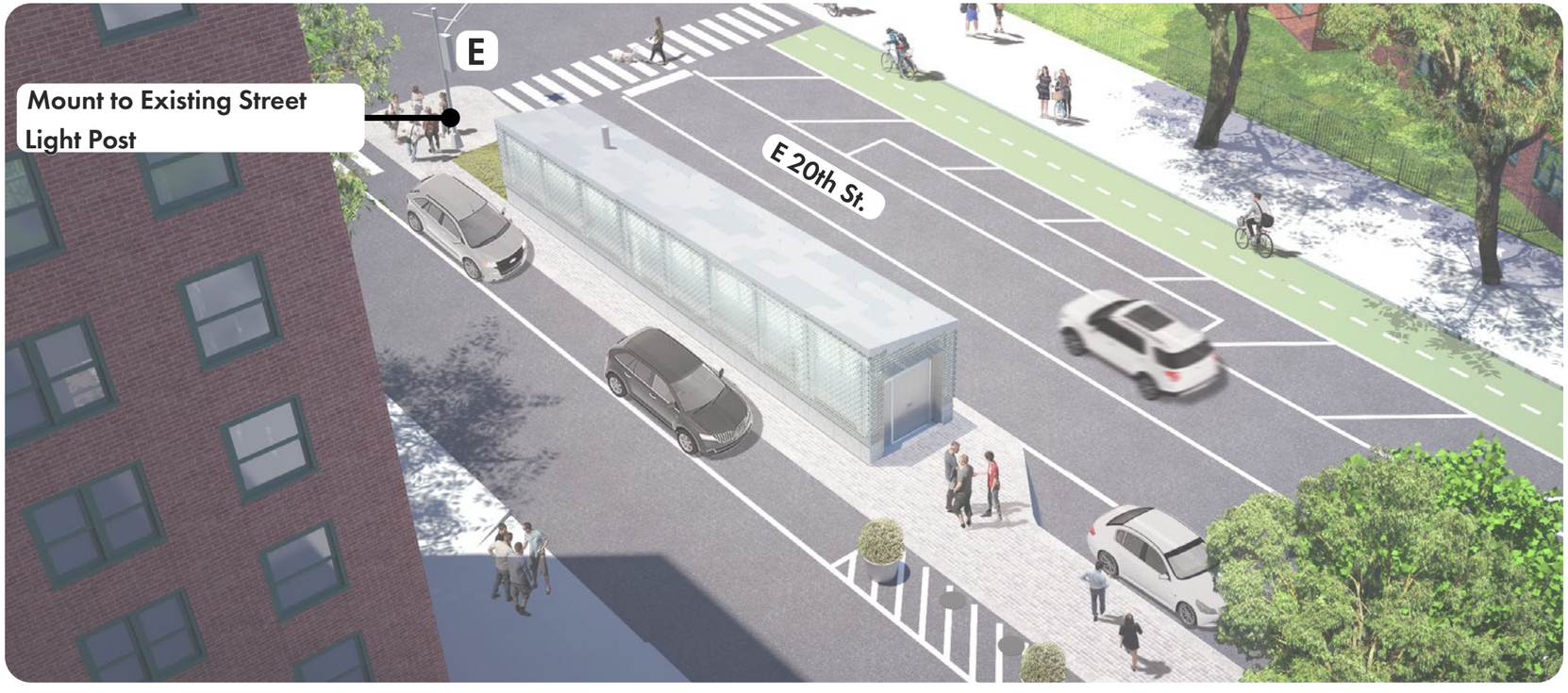
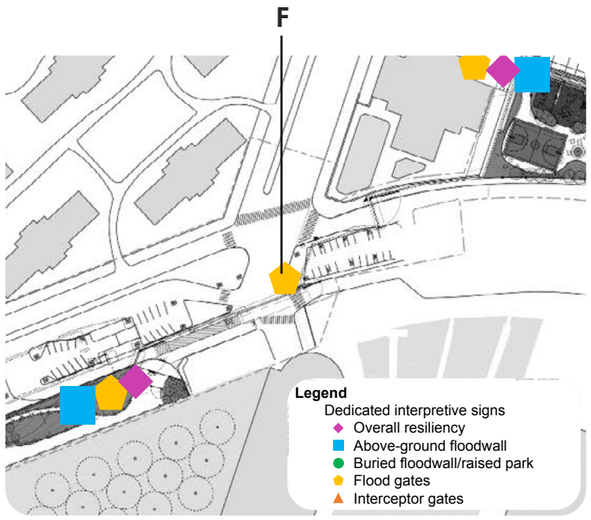


AKRF-KSE JV | PENTAGRAM | BJARKE INGELS GROUP | MATTHEWS NIELSEN LANDSCAPE ARCHITECTS, P.C. | ONE ARCHITECTURE AND URBANISM | NEW YORK CITY DEPT. OF DESIGN AND CONSTRUCTION | NEW YORK CITY DEPT. OF PARKS AND RECREATION | NEW YORK CITY DEPT. OF TRANSPORTATION | NEW YORK CITY DEPT. OF ENVIRONMENTAL PROTECTION | NEW YORK CITY MAYOR'S OFFICE OF RESILIENCY

ESCR INTERPRETIVE SIGNAGE

Proposed Locations - E 23rd Street View



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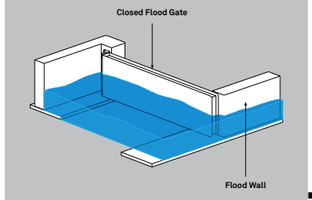

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Thank You