

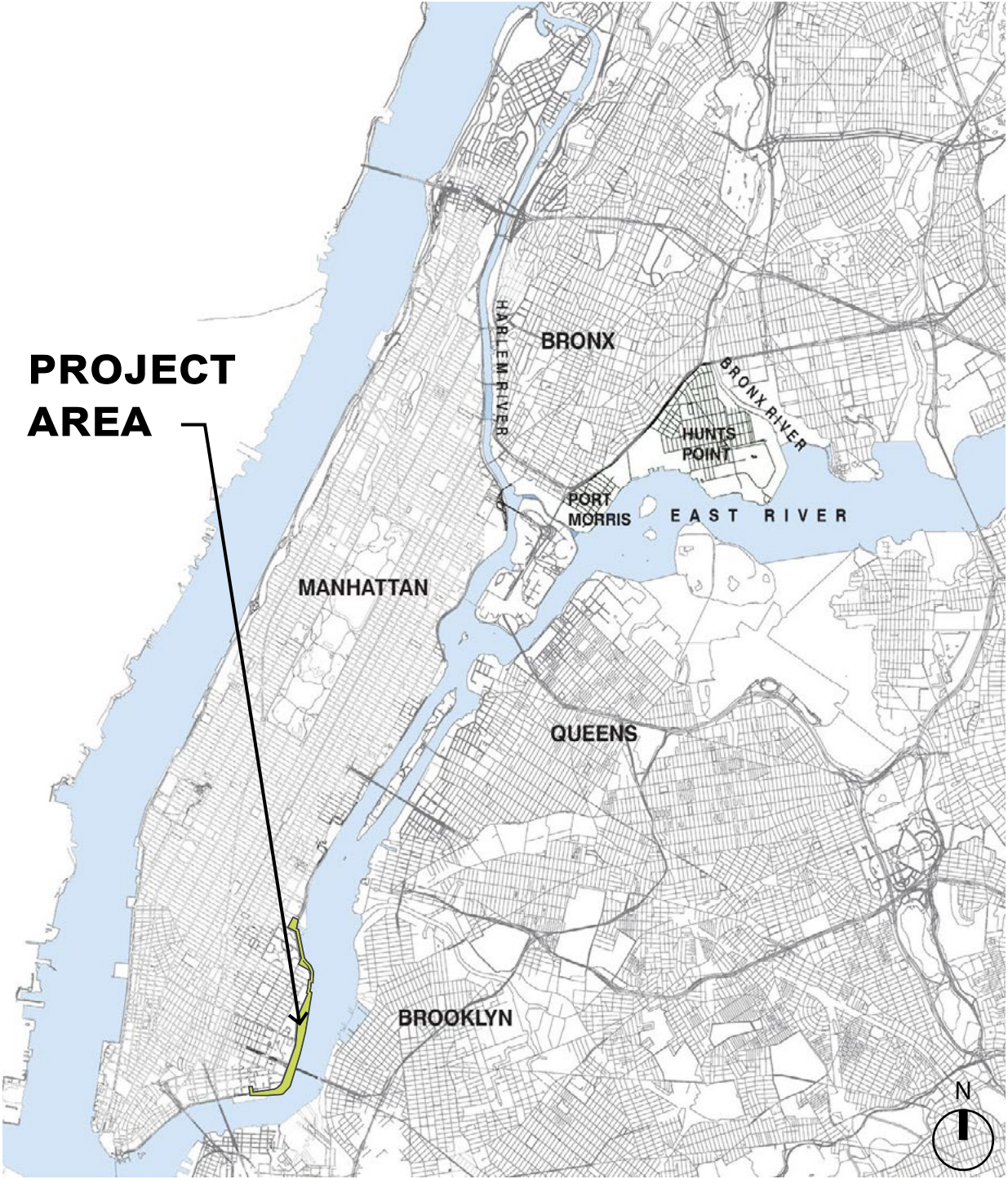
# **East Side Coastal Resiliency Signage**

## CB3 Parks Committee

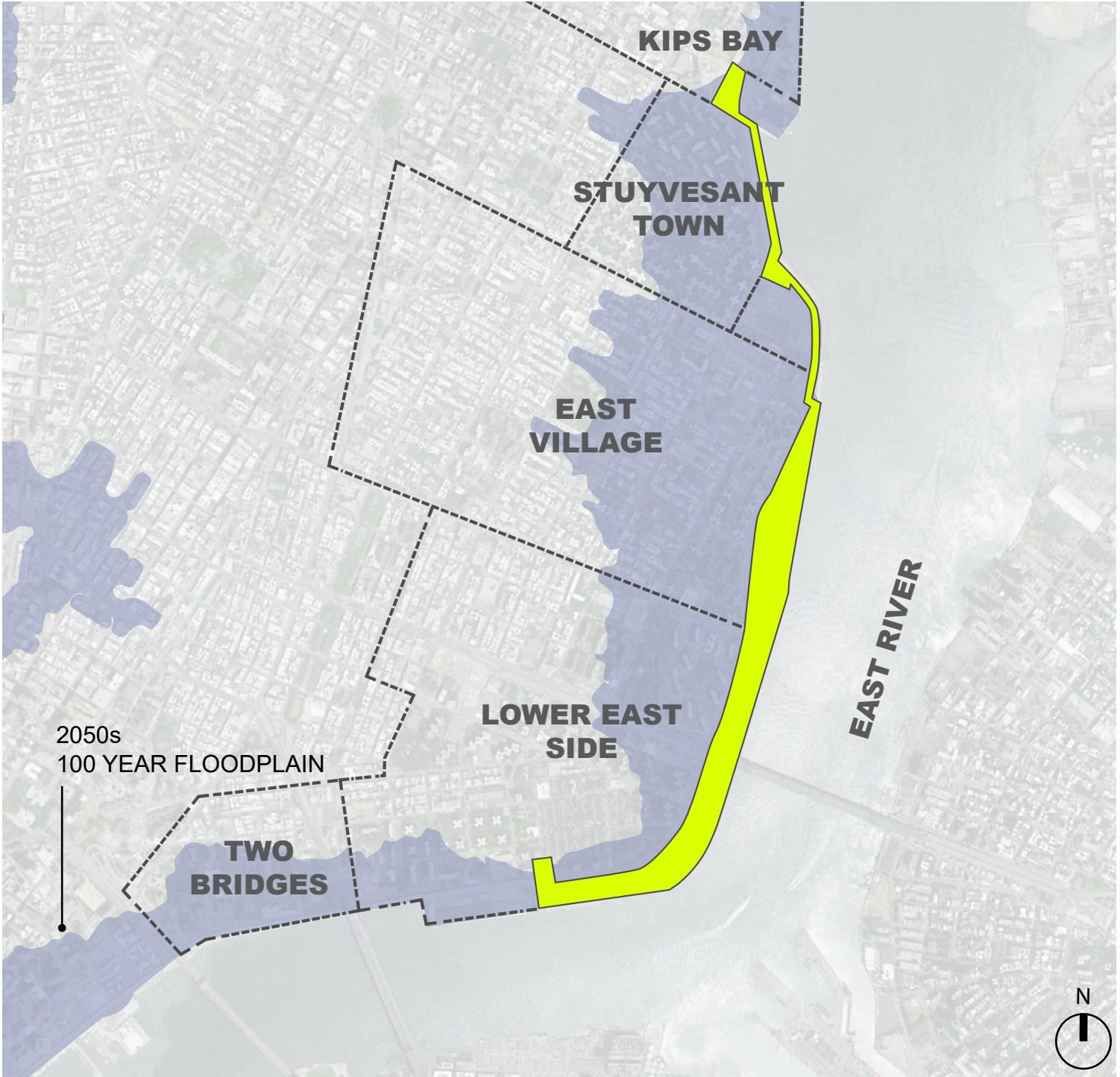
February 17, 2021



**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.

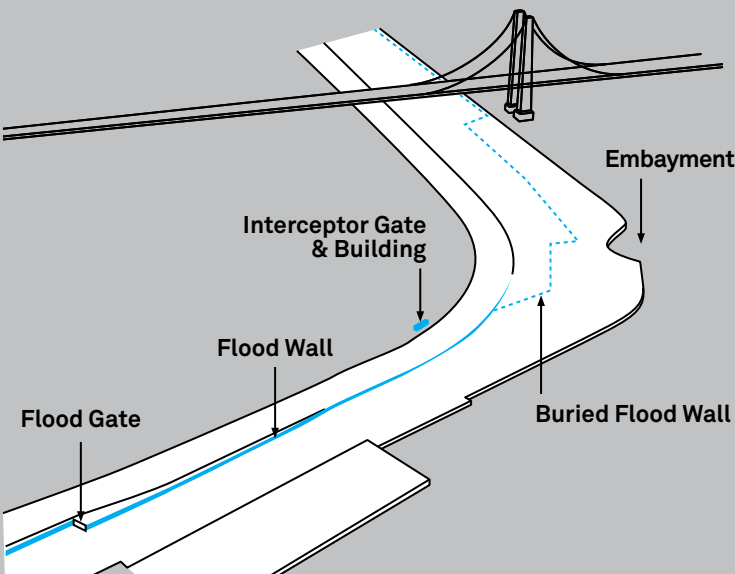
# List of Sign Types

S1.1 Resiliency Introduction

S1.2 Component Information

S1.1 Resiliency Introduction

East Side Coastal Resiliency Project (ESCR)



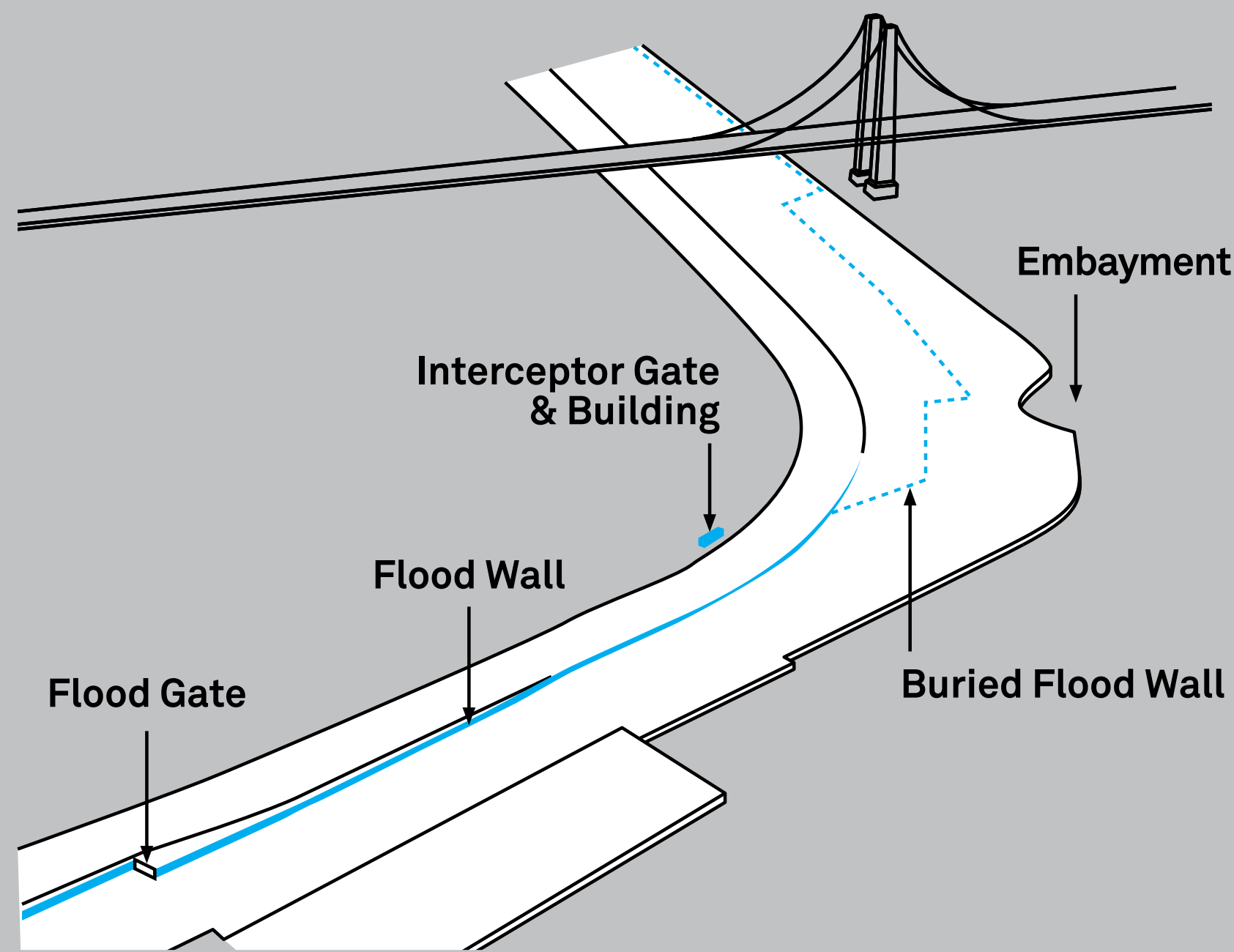
In 2012, Hurricane Sandy devastated New York City, resulting in the deaths of 44 New Yorkers and causing \$19 billion in damages. Extensive coastal flooding along the East Side of Manhattan damaged homes, businesses, open space, and infrastructure.

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S1.1 Resiliency  
Introduction:  
Close up view

# East Side Coastal Resiliency Project (ESCR)



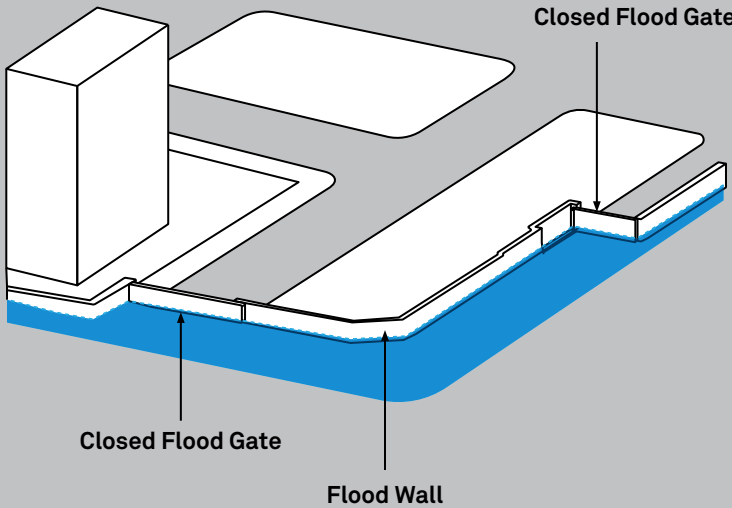
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S1.2 Component Information:  
Flood wall

East Side Coastal Resiliency (ESCR)



Flood Wall

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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

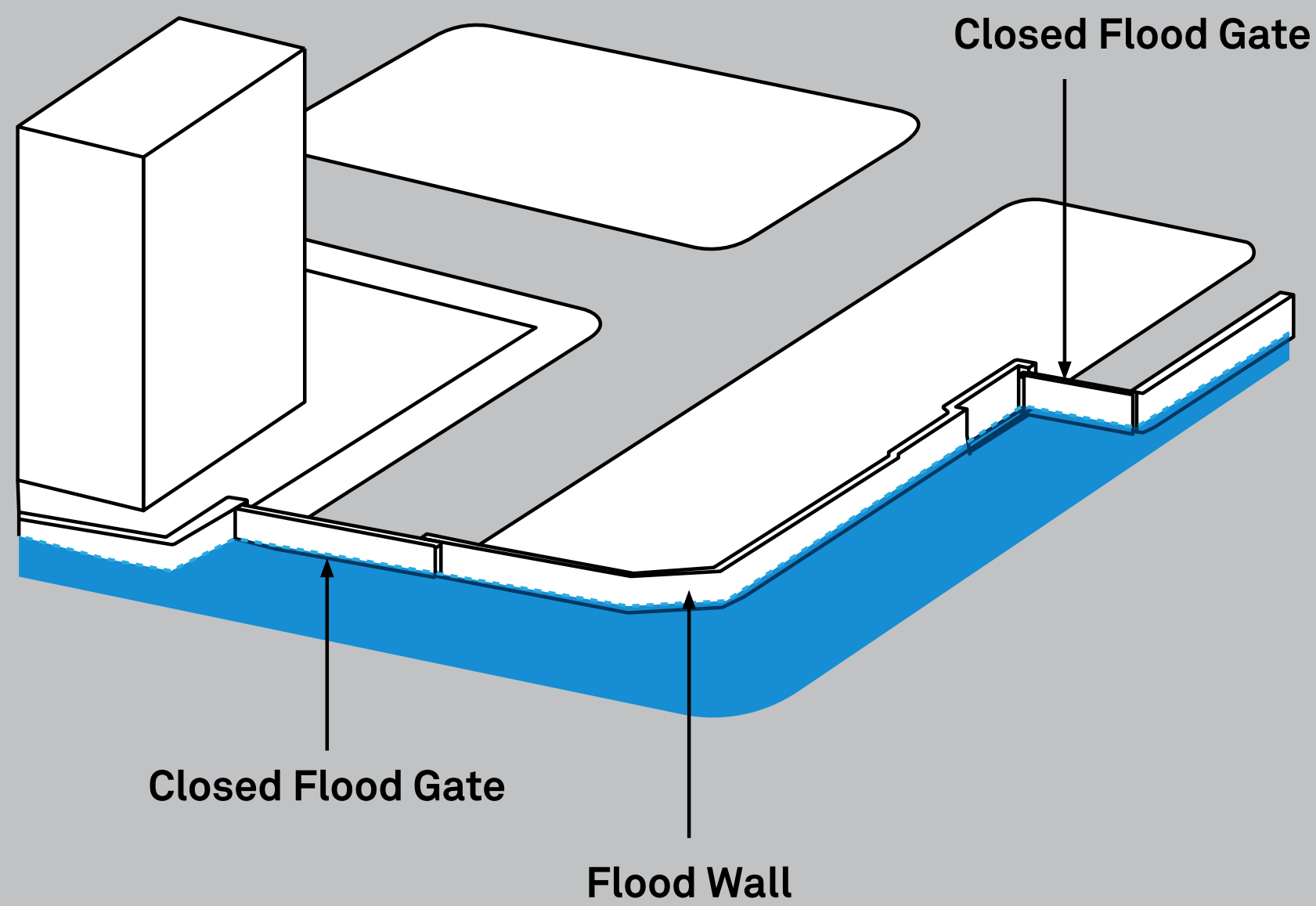
NEW YORK CITY DEPT.  
OF ENVIRONMENTAL  
PROTECTION

NEW YORK CITY  
MAYOR'S OFFICE  
OF RESILIENCY

CB3 PARKS COMMITTEE  
EAST SIDE COASTAL RESILIENCY  
PROJECT. FEBRUARY 17, 2021

SIGNAGE ARTWORK  
AND INFORMATION

# East Side Coastal Resiliency (ESCR)



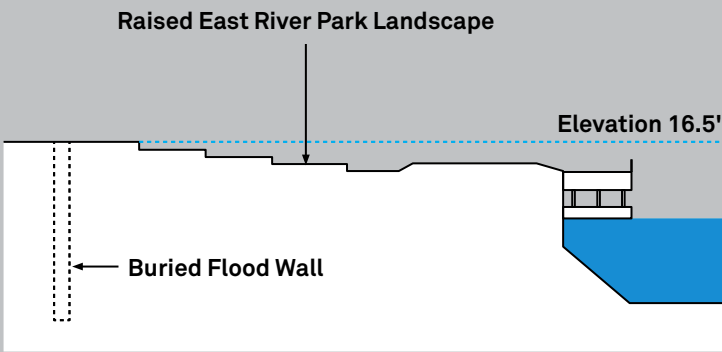
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S1.2 Component Information:  
Buried Flood Wall

East Side Coastal Resiliency (ESCR)



Buried Flood Wall

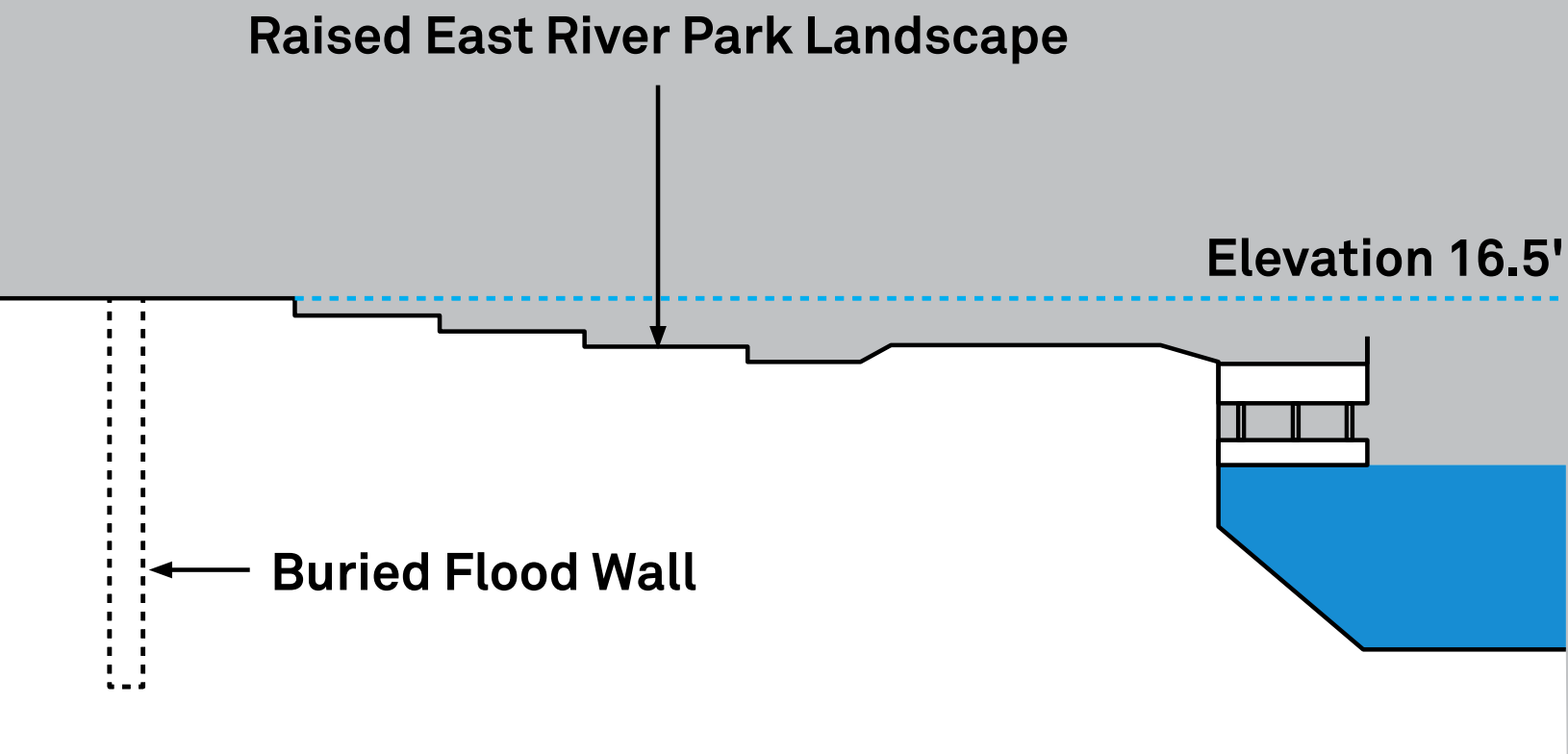
You are standing on top of one of the most ambitious coastal flood protection projects in the United States. Climate change is causing more frequent and severe coastal storms and rising sea levels. As part of the ESCR project, East River Park was raised about eight feet to block floodwaters from hurricanes 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)



Buried Flood Wall

S1.2 Component  
Information:  
Buried Flood wall

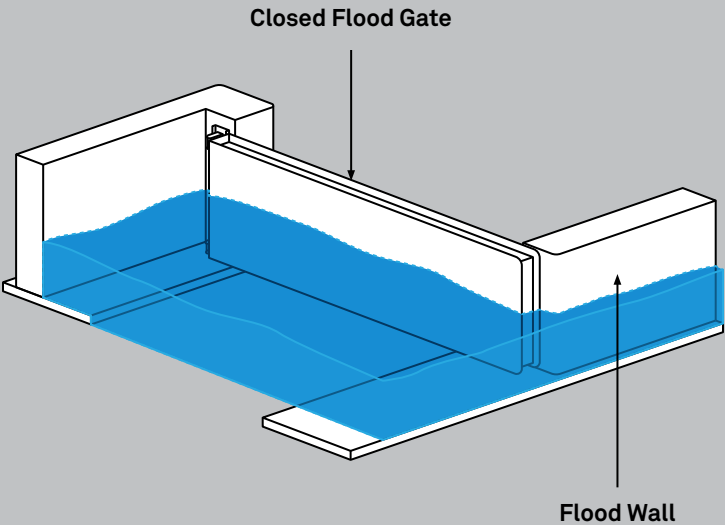
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NYC Parks

S1.2 Component Information: Flood Gate

East Side Coastal Resiliency (ESCR)

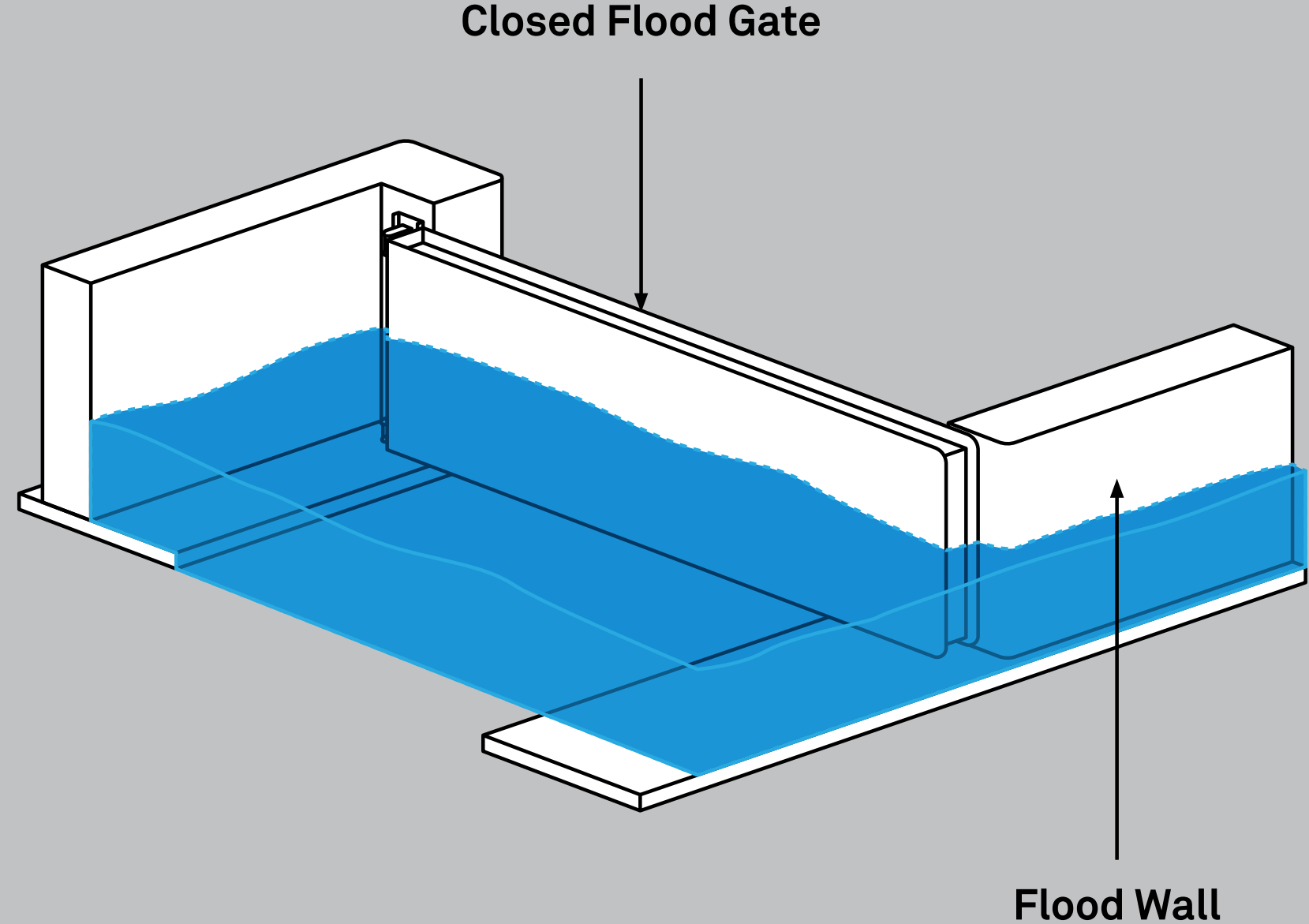


Flood Gate

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.



# East Side Coastal Resiliency (ESCR)





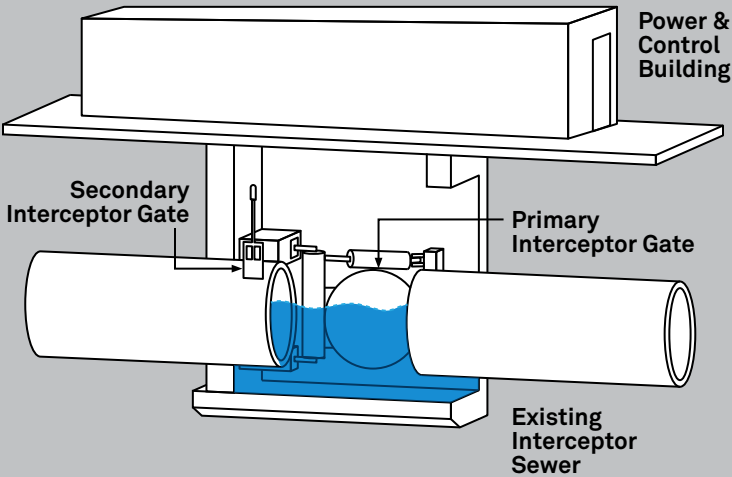
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S1.2 Component Information:  
Interceptor Gates

East Side Coastal Resiliency (ESCR)

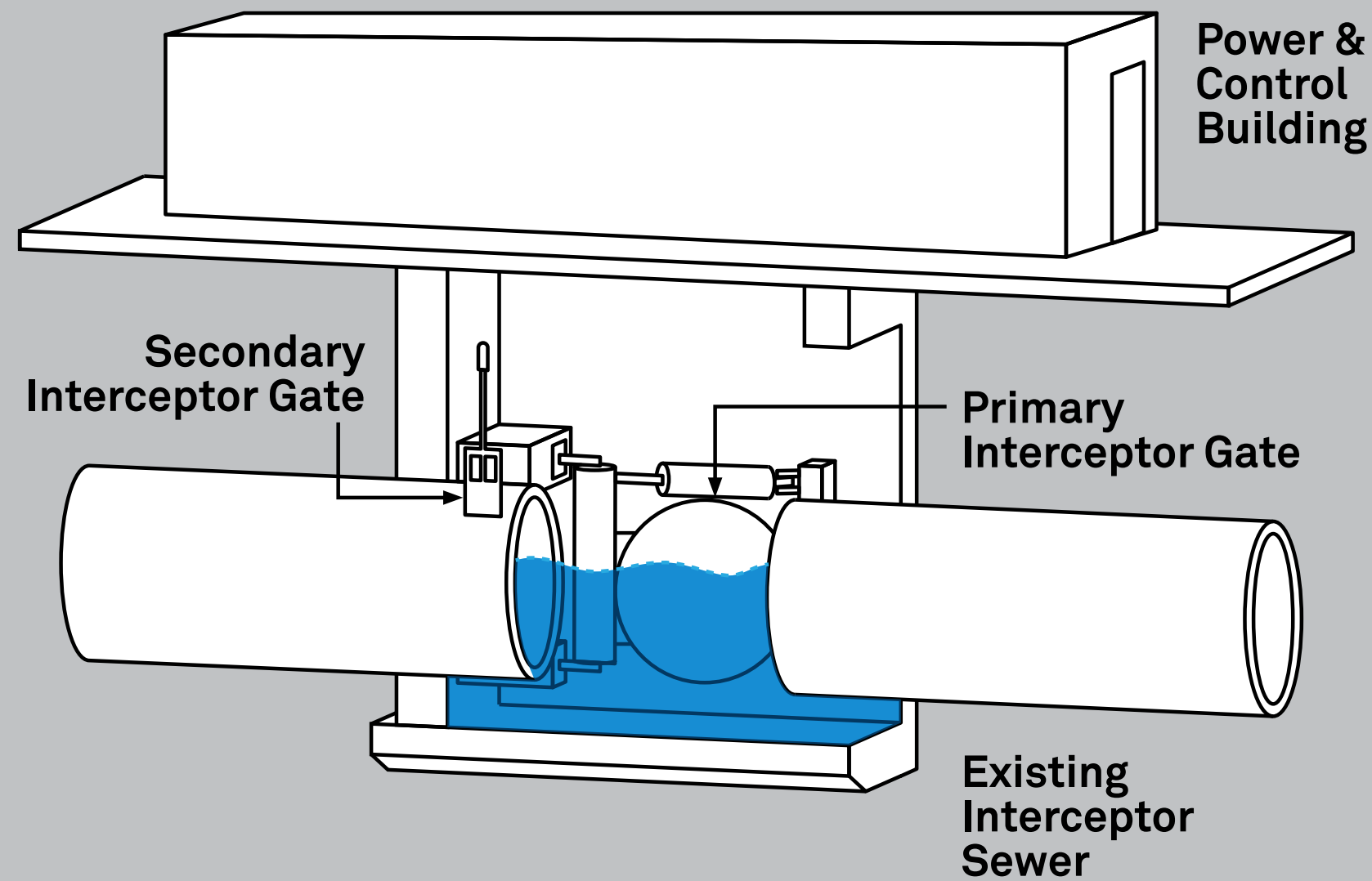


Interceptor Gates

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.



# East Side Coastal Resiliency (ESCR)

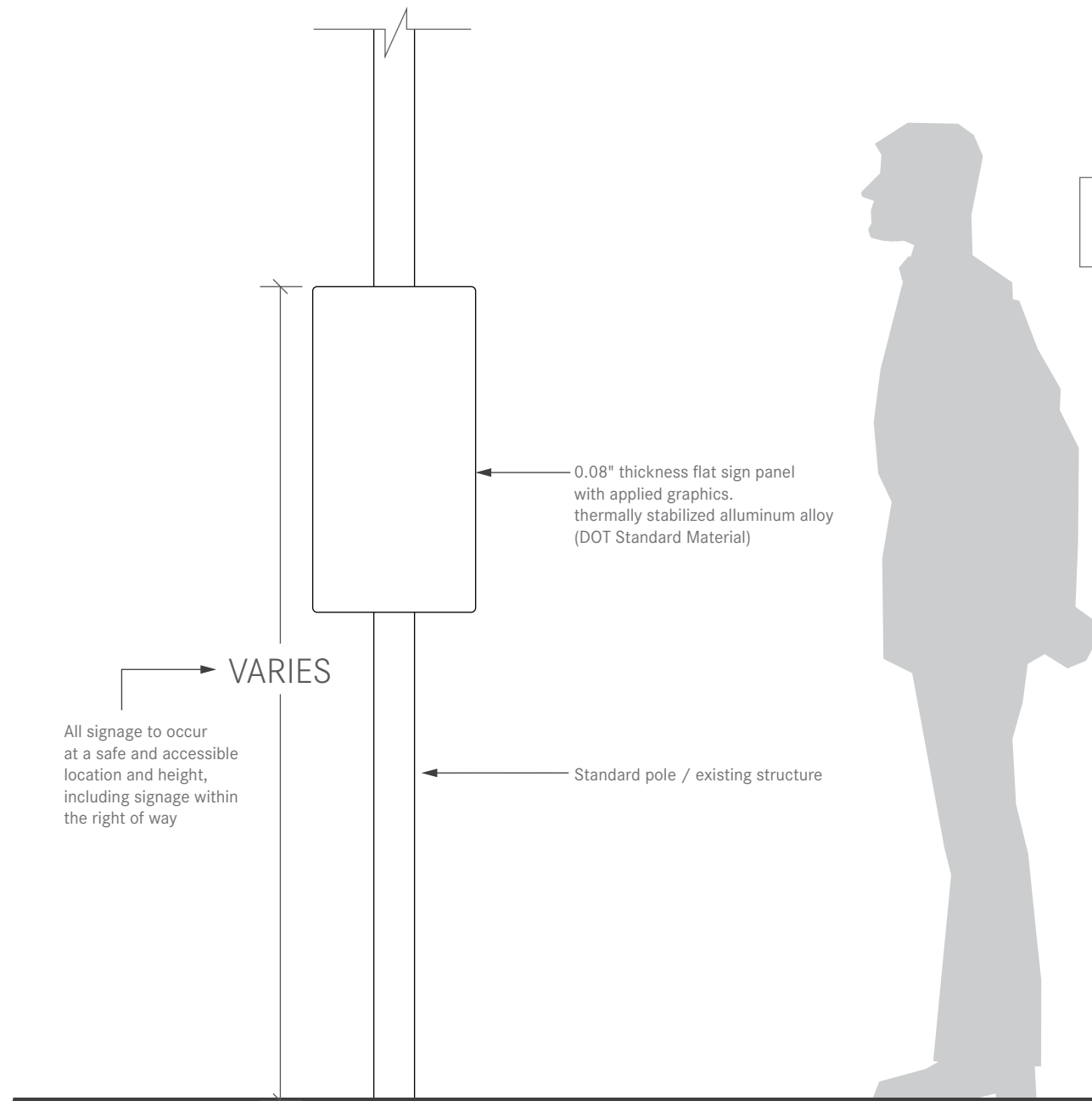


## Interceptor Gates

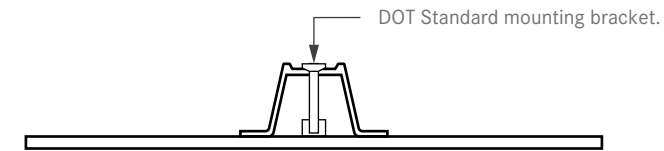
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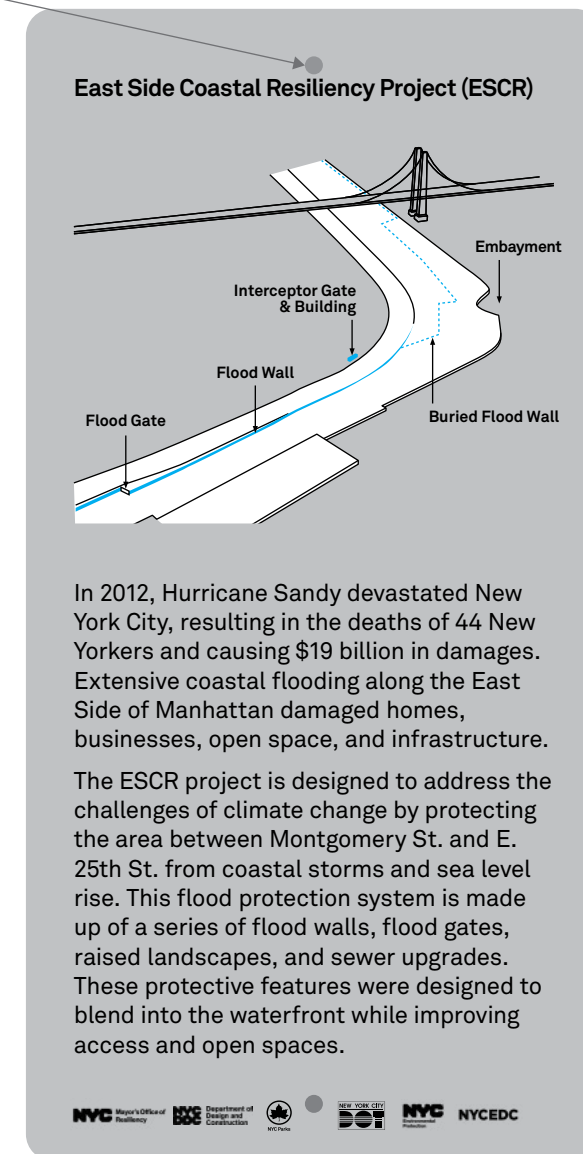


1 S1.1 Resiliency Introduction - Elevation  
1" = 1'-0"



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

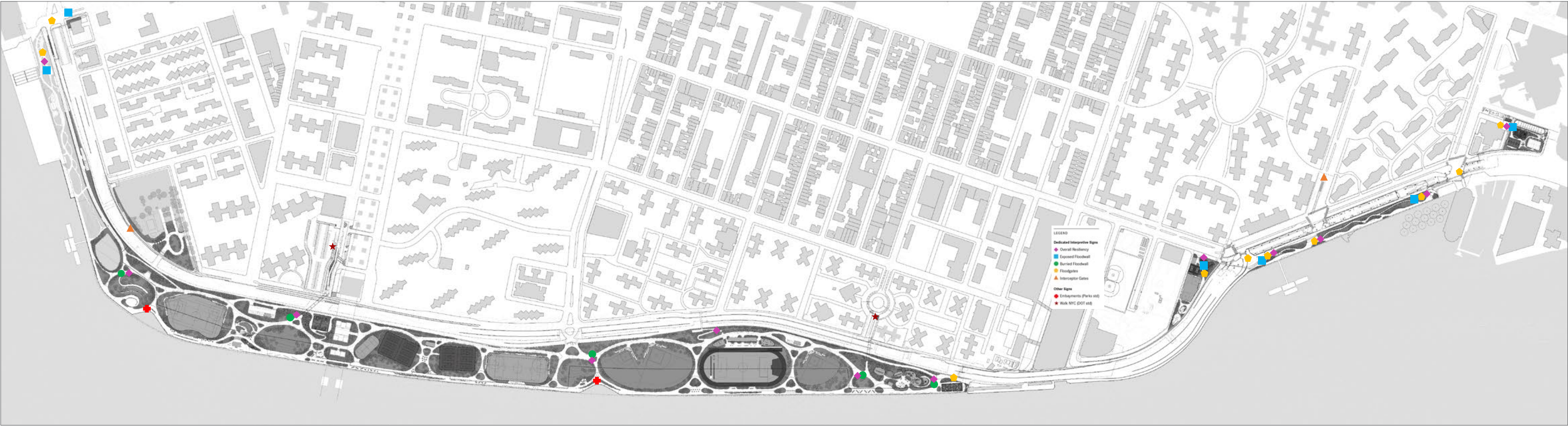
Burried Floodwall

Floodgates

Interceptor Gates
- Other Signs

Embayments (Parks std)

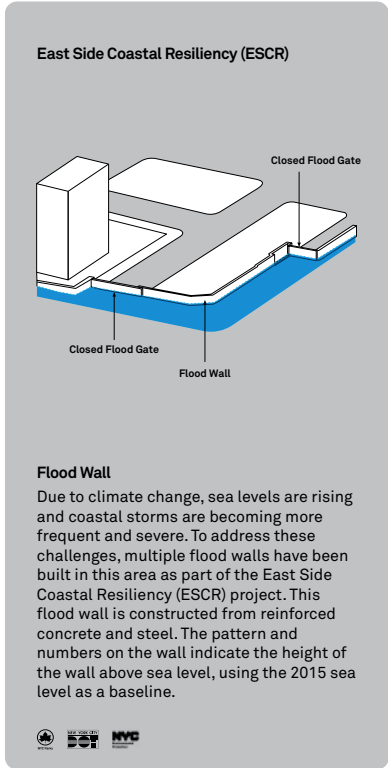
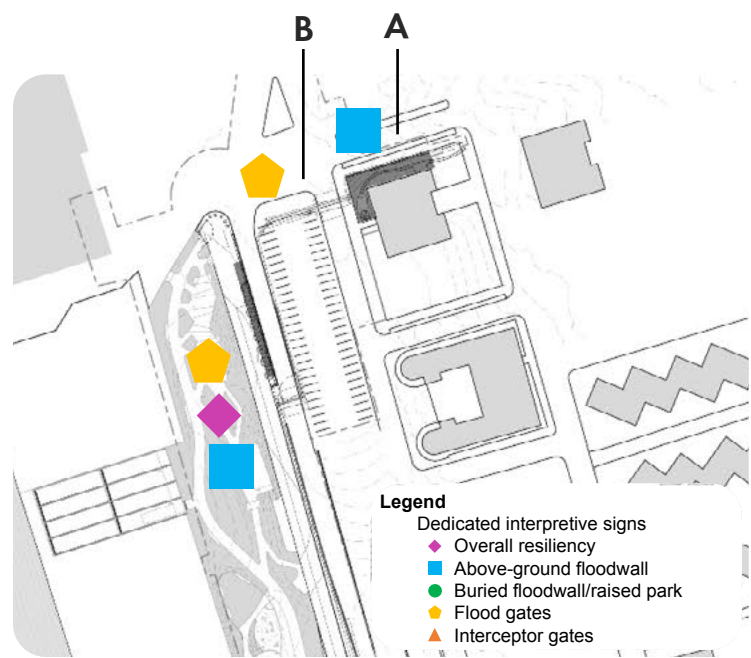
Walk NYC (DOT std)





# ESCR INTERPRETIVE SIGNAGE

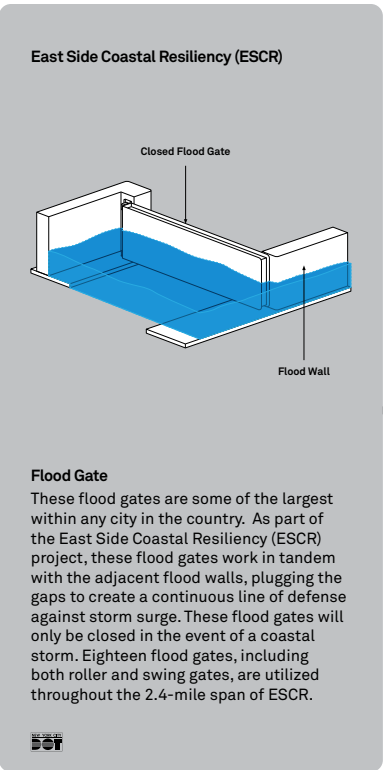
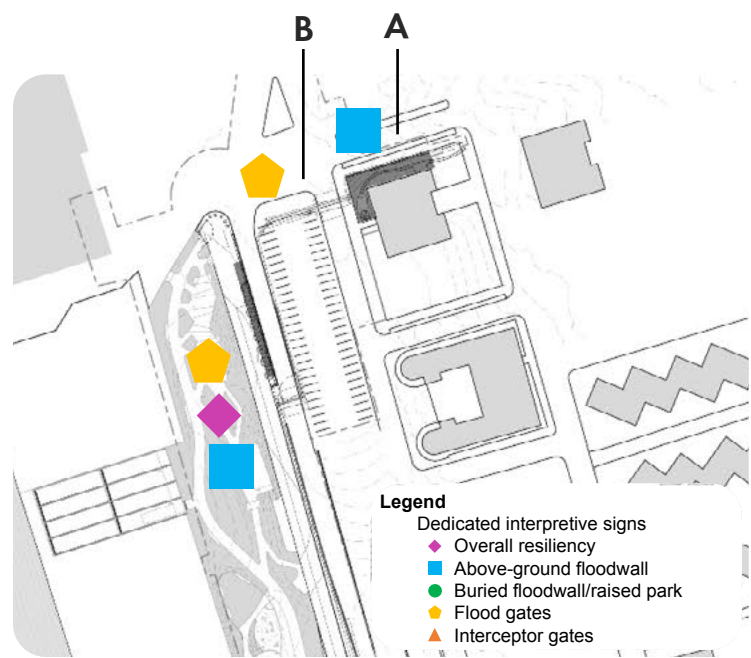
Proposed Locations - Montgomery Street View 1





ESCR INTERPRETIVE SIGNAGE

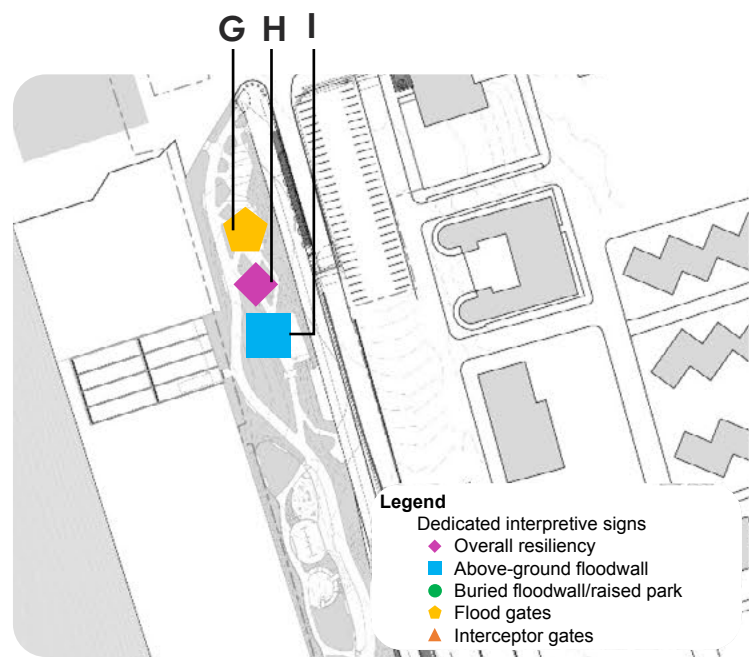
Proposed Locations - Montgomery Street View 2





ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East River Park Entrance / Pier 42



**East Side Coastal Resiliency (ESCR)**

**Flood Gate**  
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**East Side Coastal Resiliency (ESCR)**

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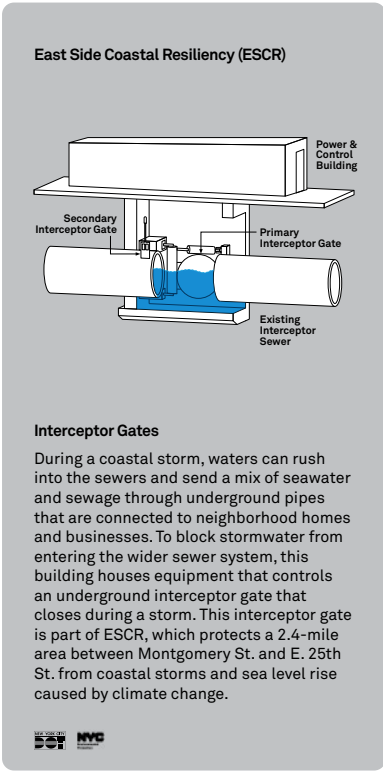
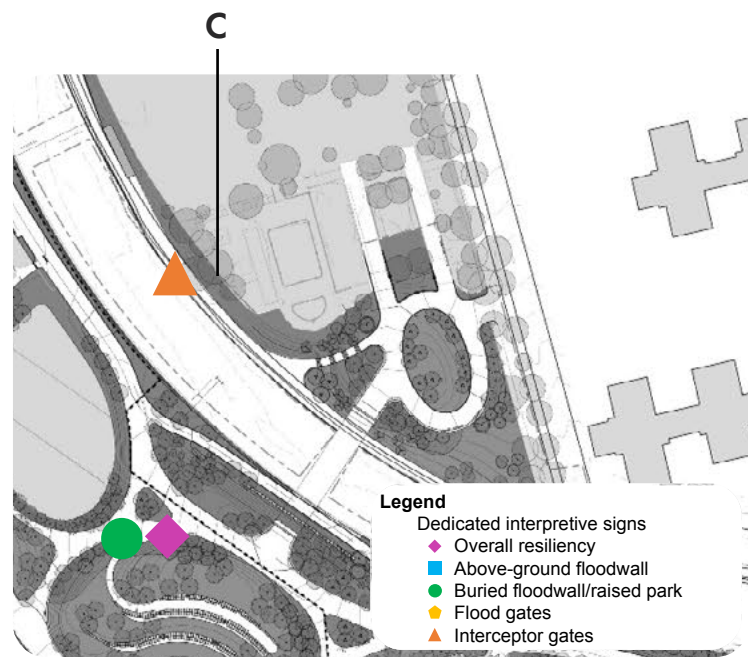
**East Side Coastal Resiliency Project (ESCR)**

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.



ESCR INTERPRETIVE SIGNAGE

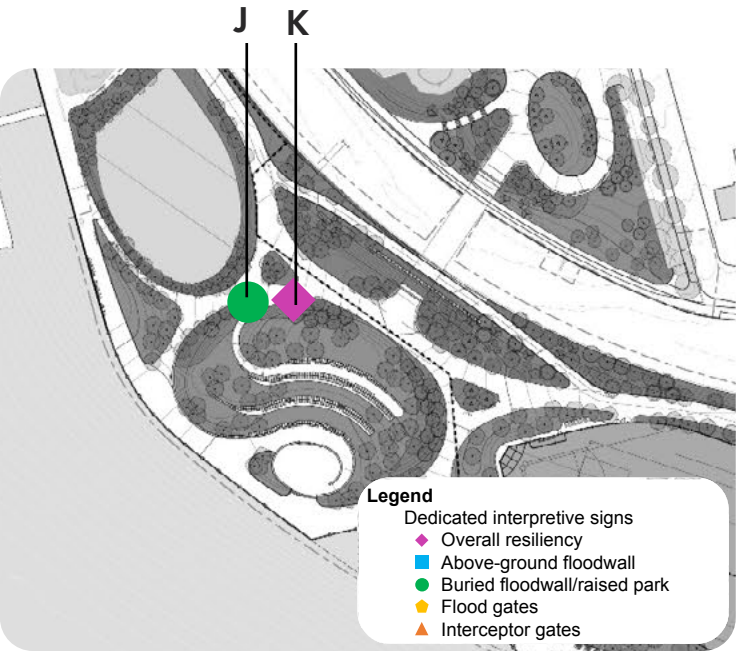
Proposed Locations - South Interceptor Gate Building Rendered Aerial View





# ESCR INTERPRETIVE SIGNAGE

## Proposed Locations - East River Park Amphitheater



**East Side Coastal Resiliency (ESCR)**

**Buried Flood Wall**

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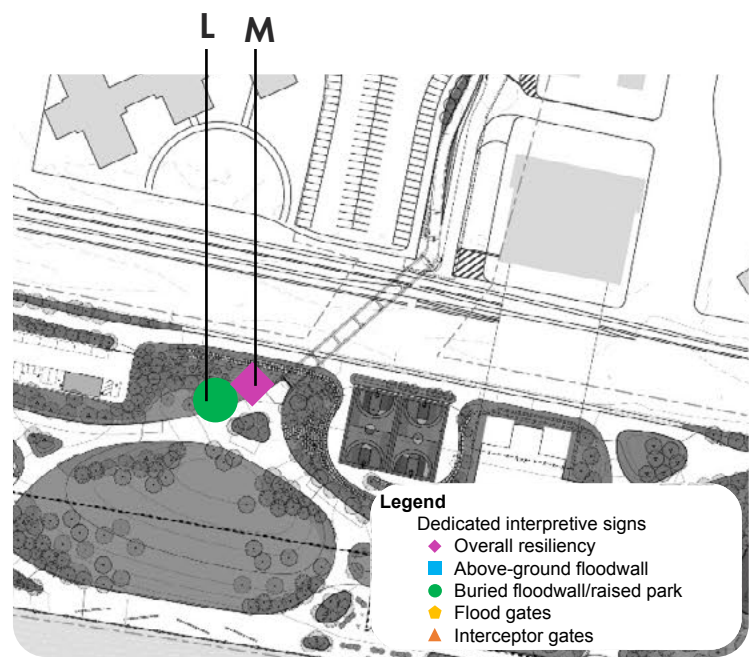
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# ESCR INTERPRETIVE SIGNAGE

Proposed Locations -Delancey Street Bridge



**East Side Coastal Resiliency (ESCR)**

Raised East River Park Landscape

Elevation 16.5'

Buried Flood Wall

**Buried Flood Wall**

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**East Side Coastal Resiliency Project (ESCR)**

Interceptor Gate & Building

Flood Wall

Flood Gate

Buried Flood Wall

Embayment

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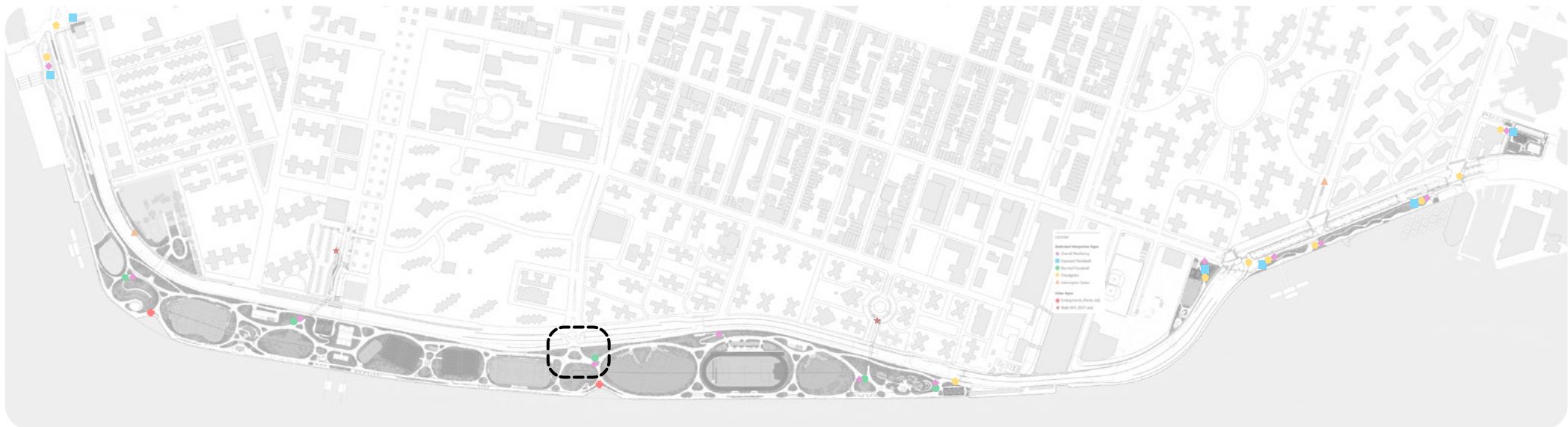
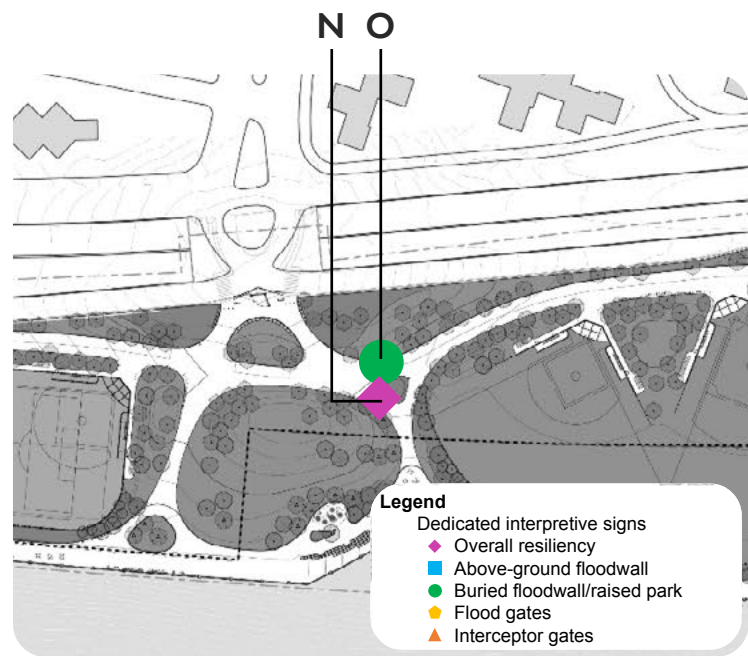
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# ESCR INTERPRETIVE SIGNAGE

## Proposed Locations - Houston Street Overpass and Embayment



### East Side Coastal Resiliency (ESCR)

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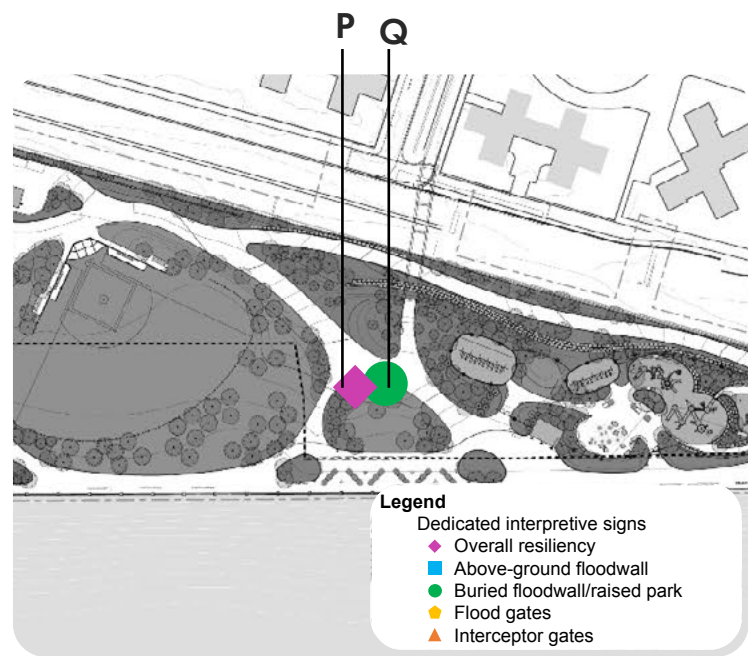
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# ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East 10th Street Bridge



- Legend**
- Dedicated interpretive signs
  - Overall resiliency
  - Above-ground floodwall
  - Buried floodwall/raised park
  - Flood gates
  - Interceptor gates



Both signs mounted to new poles

**East Side Coastal Resiliency (ESCR)**

Raised East River Park Landscape

Elevation 16.5'

Buried Flood Wall

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Flood Wall

Flood Gate

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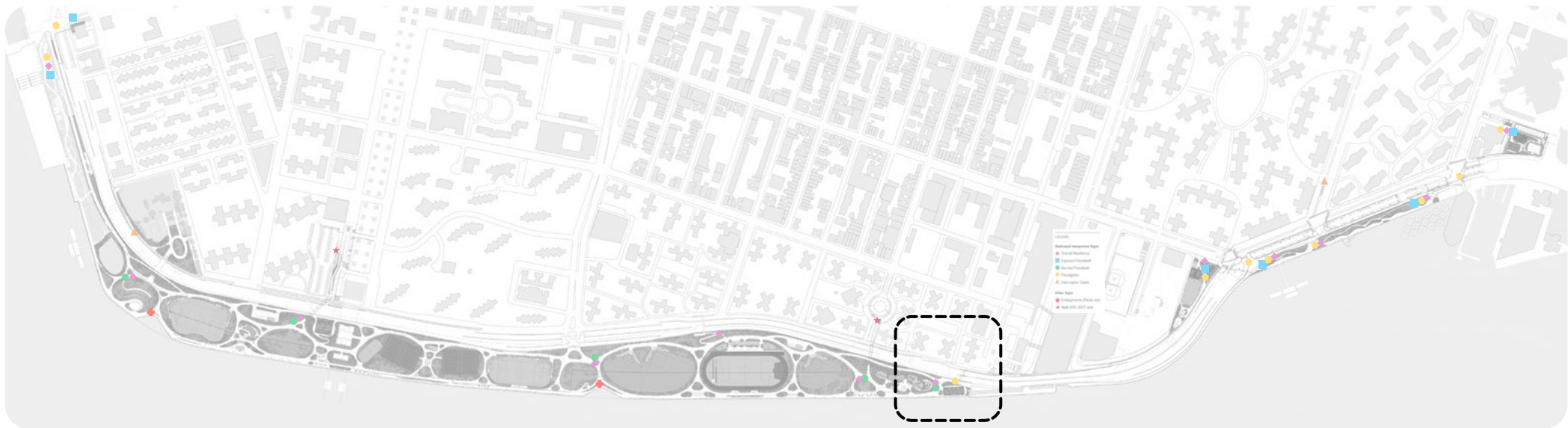
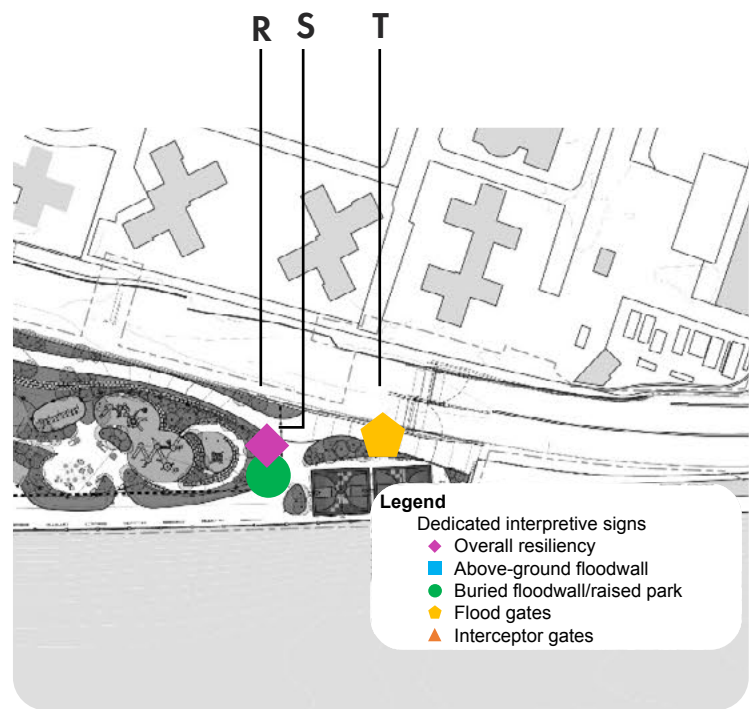
NYC Department of Design and Construction, NYC Department of Parks and Recreation, NYC Department of Transportation, NYC Department of Environmental Protection, NYC Mayor's Office of Resiliency, NYC Parks, NYCEDC





# ESCR INTERPRETIVE SIGNAGE

## Proposed Locations - East River Park North Entrance



**East Side Coastal Resiliency Project (ESCR)**

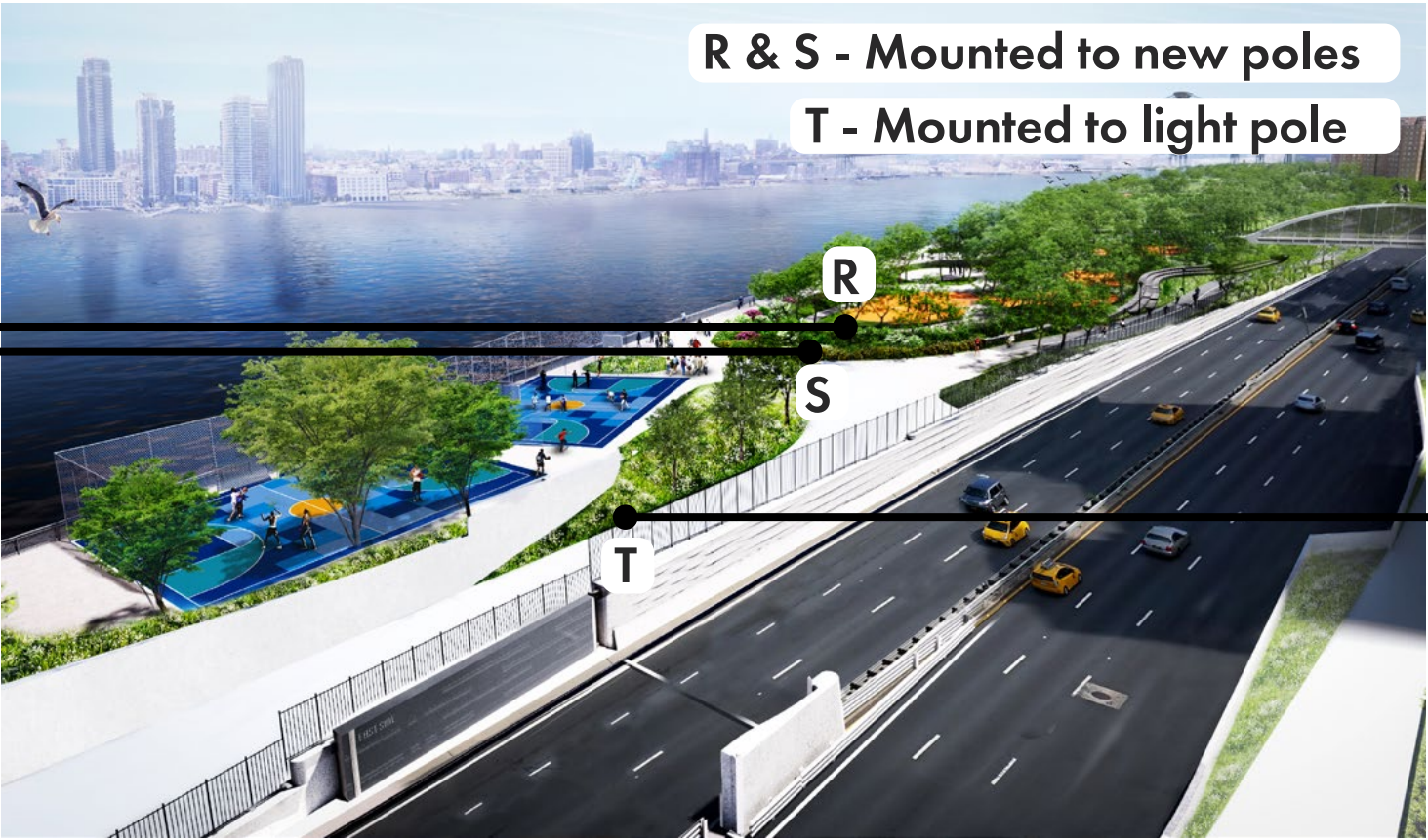
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**NYC** **NYCEDC**

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**NYC**

Thank You