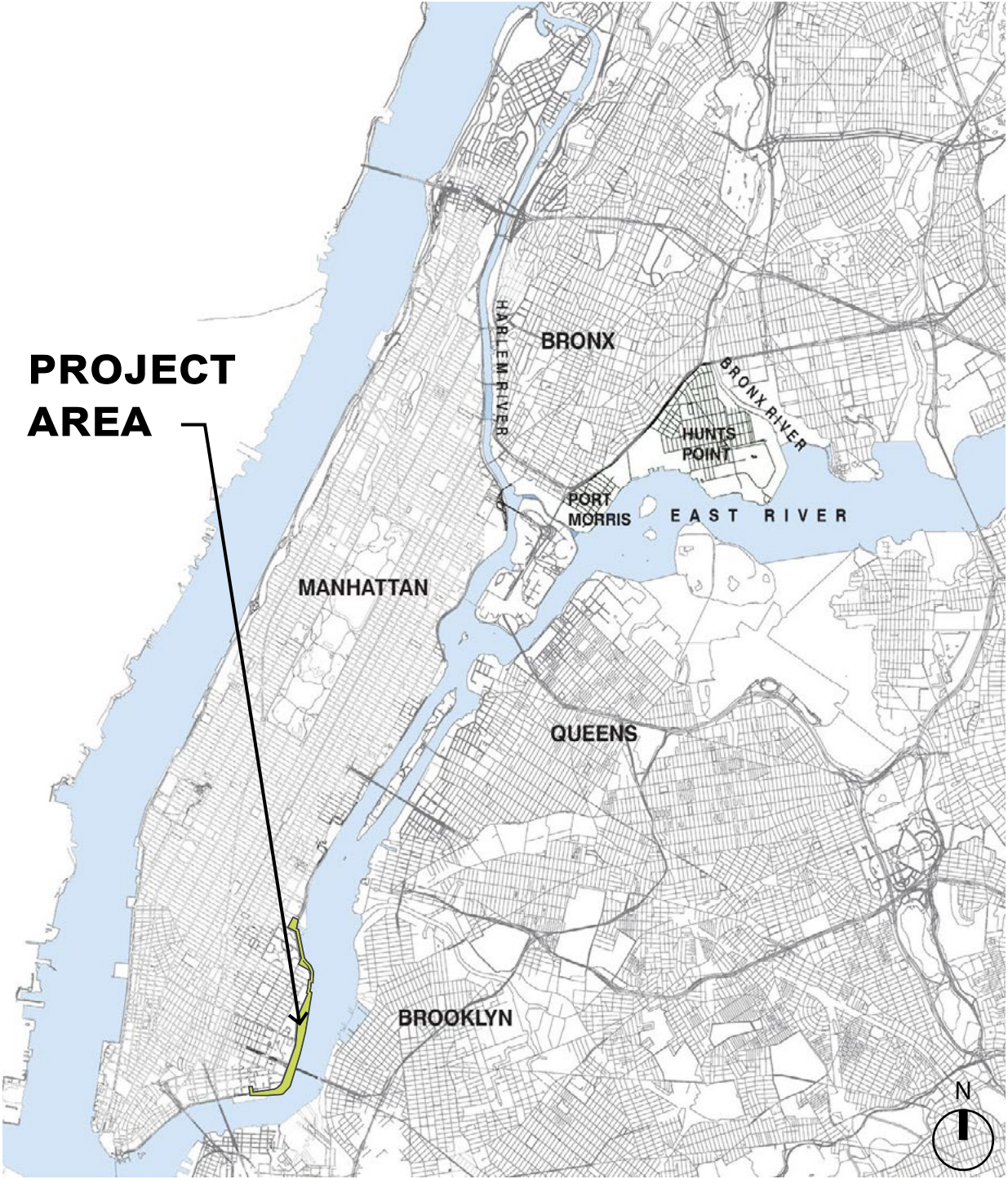


East Side Coastal Resiliency Signage

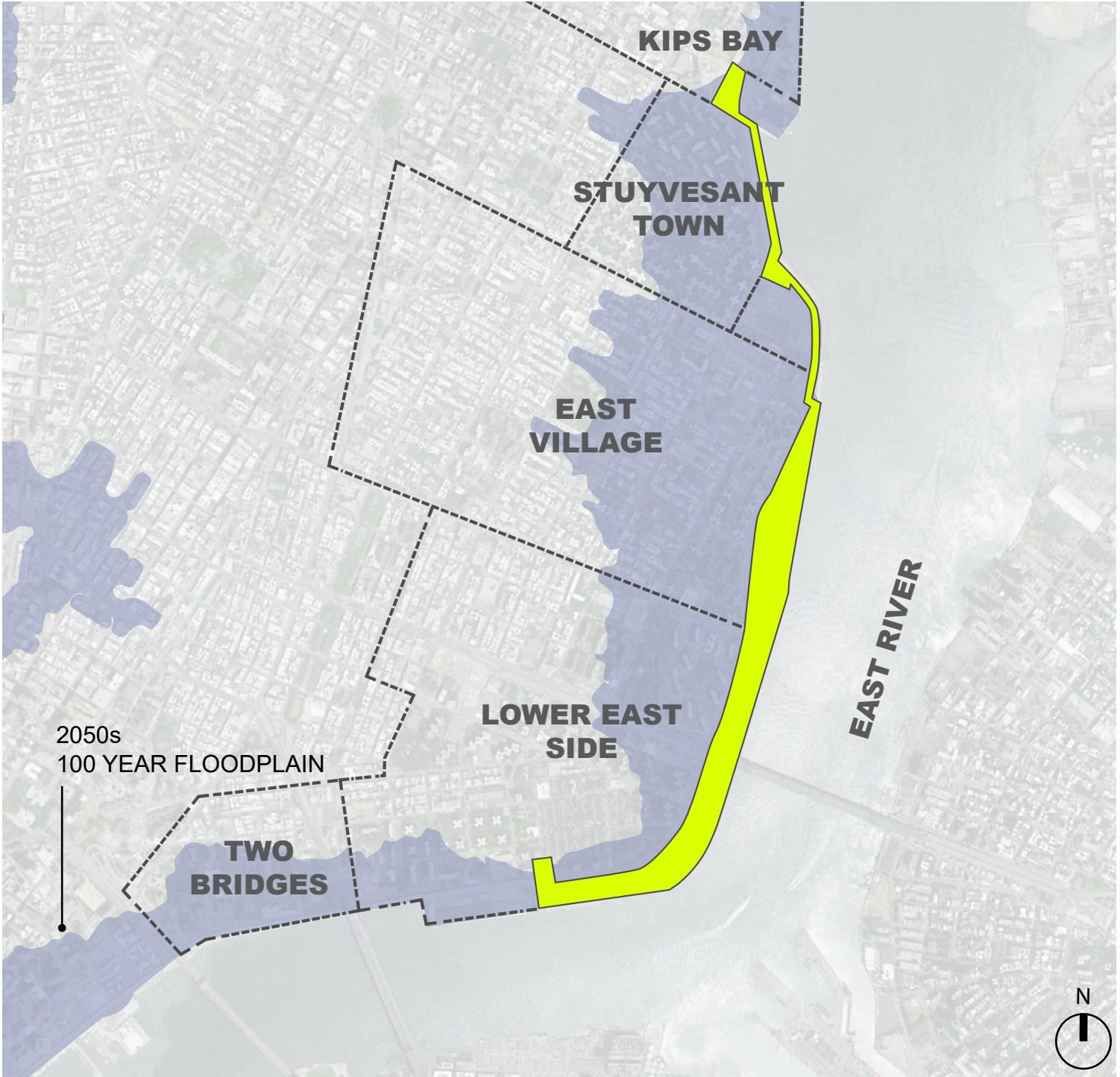
CB3 Parks Committee

January 14, 2021

BOROUGH CONTEXT



NEIGHBORHOOD CONTEXT



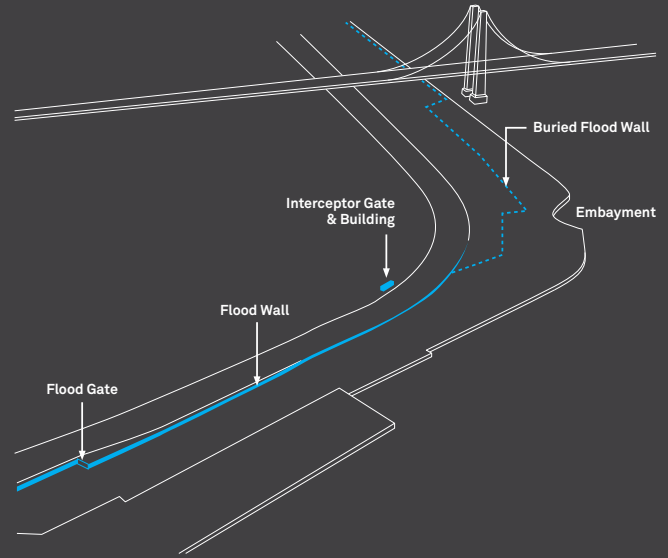
List of Sign Types

S1.1 Resiliency Introduction

S1.2 Component Information

Resiliency Introduction Sign

S1.1 Resiliency Introduction





The diagram illustrates the East Side Coastal Resiliency project along the East River. It shows a series of interconnected flood protection structures: a Flood Gate at the river's edge, followed by a Flood Wall, an Interceptor Gate & Building, a Buried Flood Wall, and an Embayment. A bridge is visible in the background.


East Side Coastal Resiliency


On October 29, 2012, Hurricane Sandy made landfall in New York City. The storm resulted in the deaths of 44 New Yorkers and caused \$19 billion in damages and lost economic activity. Extensive coastal flooding occurred along the East Side of Manhattan, damaging homes, businesses, open space, and infrastructure.


The East Side Coastal Resiliency (ESCR) project was designed to protect the area from Montgomery Street to E. 25th Street from coastal storms and sea level rise caused by climate change. This project consists of a series of flood walls, flood gates, raised landscapes, and sewer system safeguards that are seamlessly integrated into the urban landscape.

 Mayor's Office of Resiliency

 Department of Design and Construction

 NYC Parks

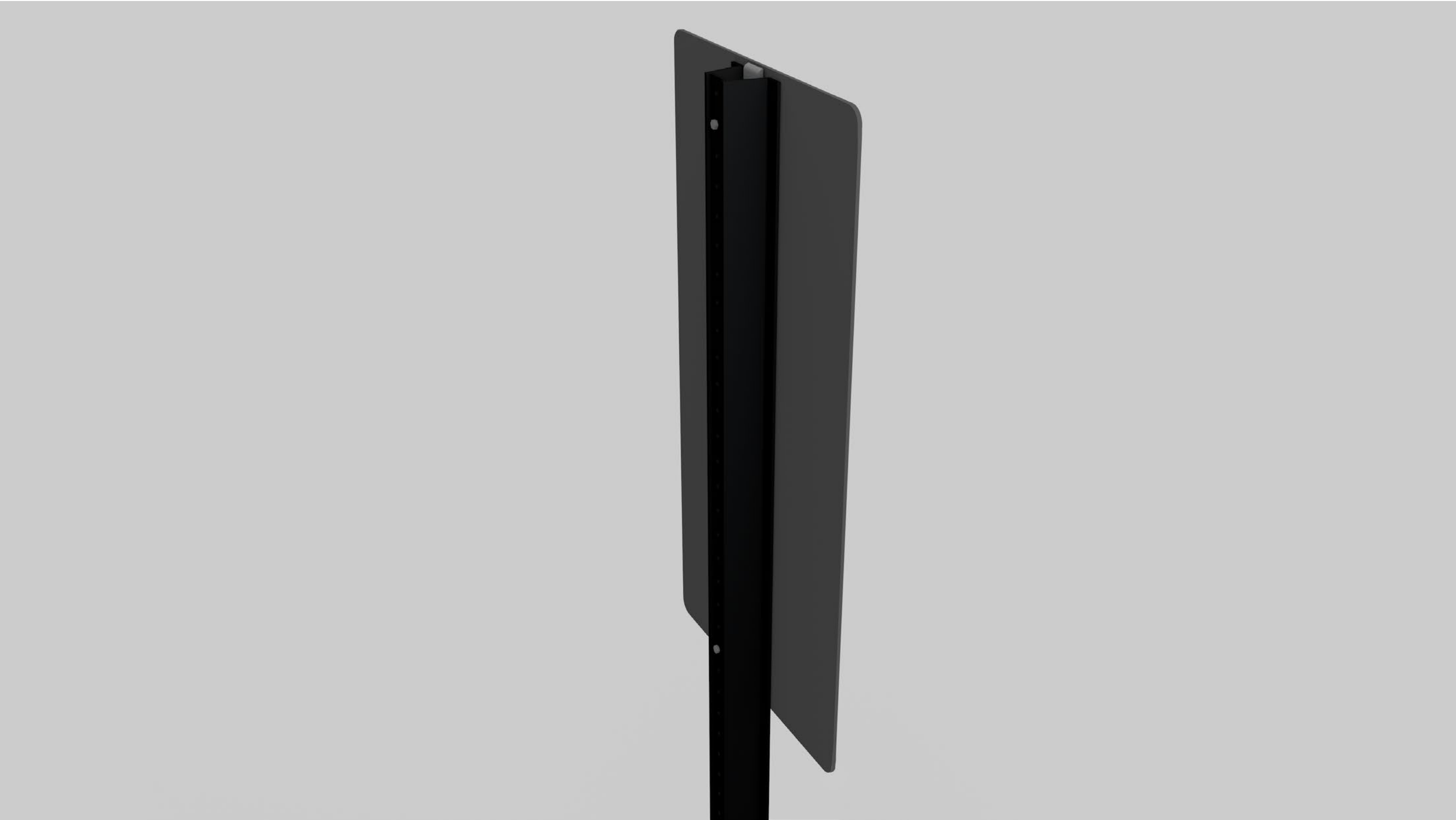
 NEW YORK CITY DEPT. OF ENVIRONMENTAL PROTECTION

 NYCEDC

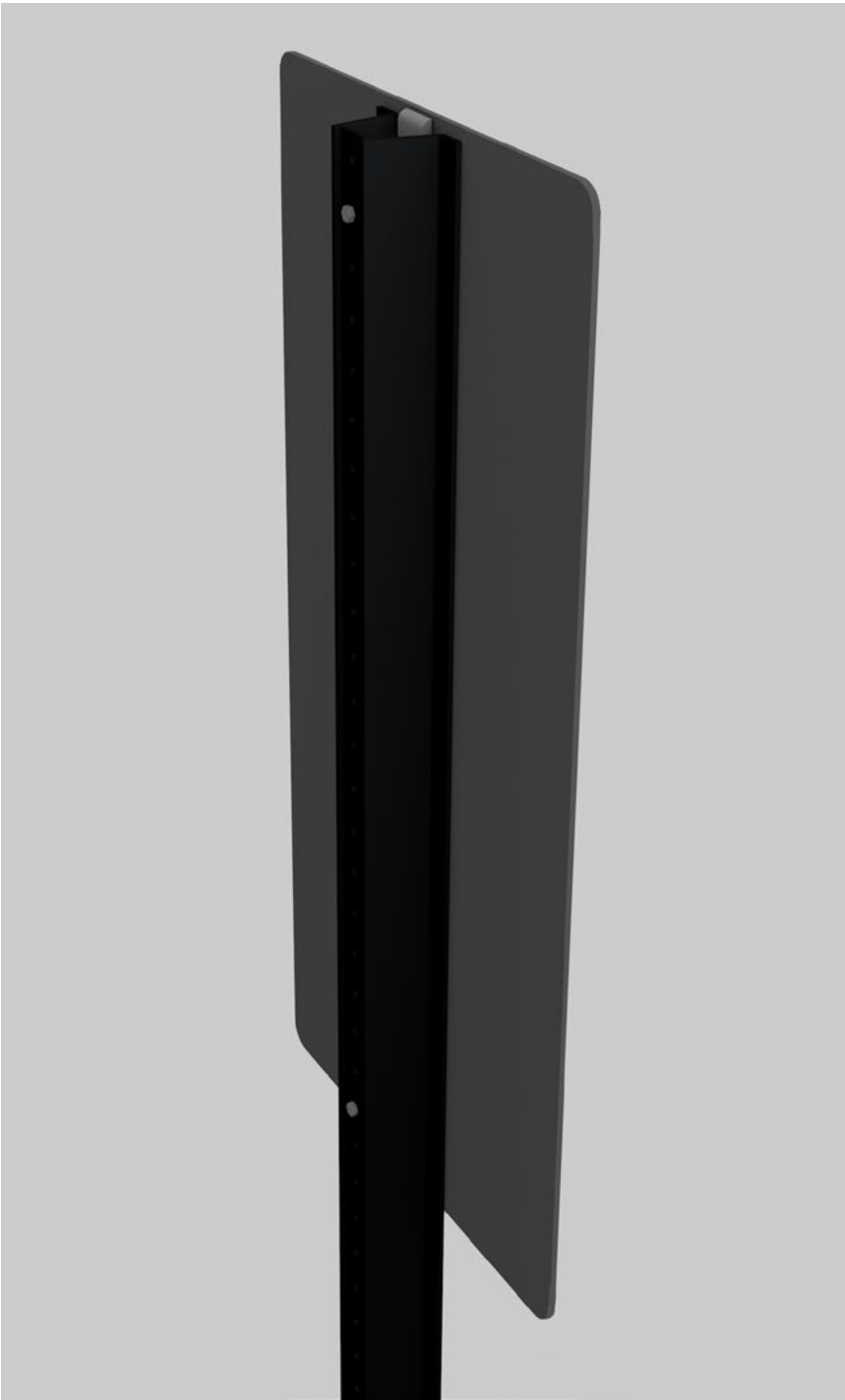
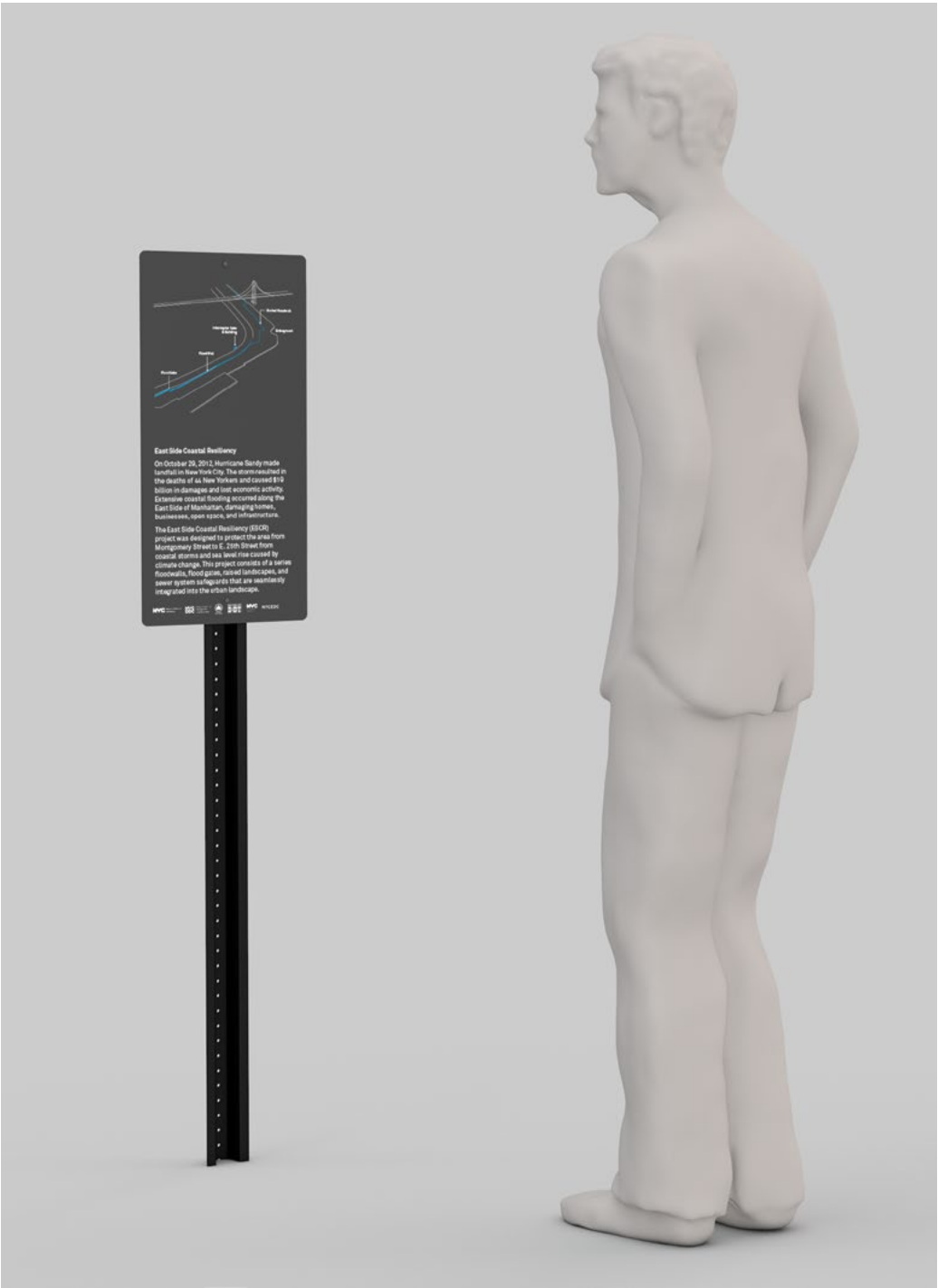
S1.1 Resiliency Introduction



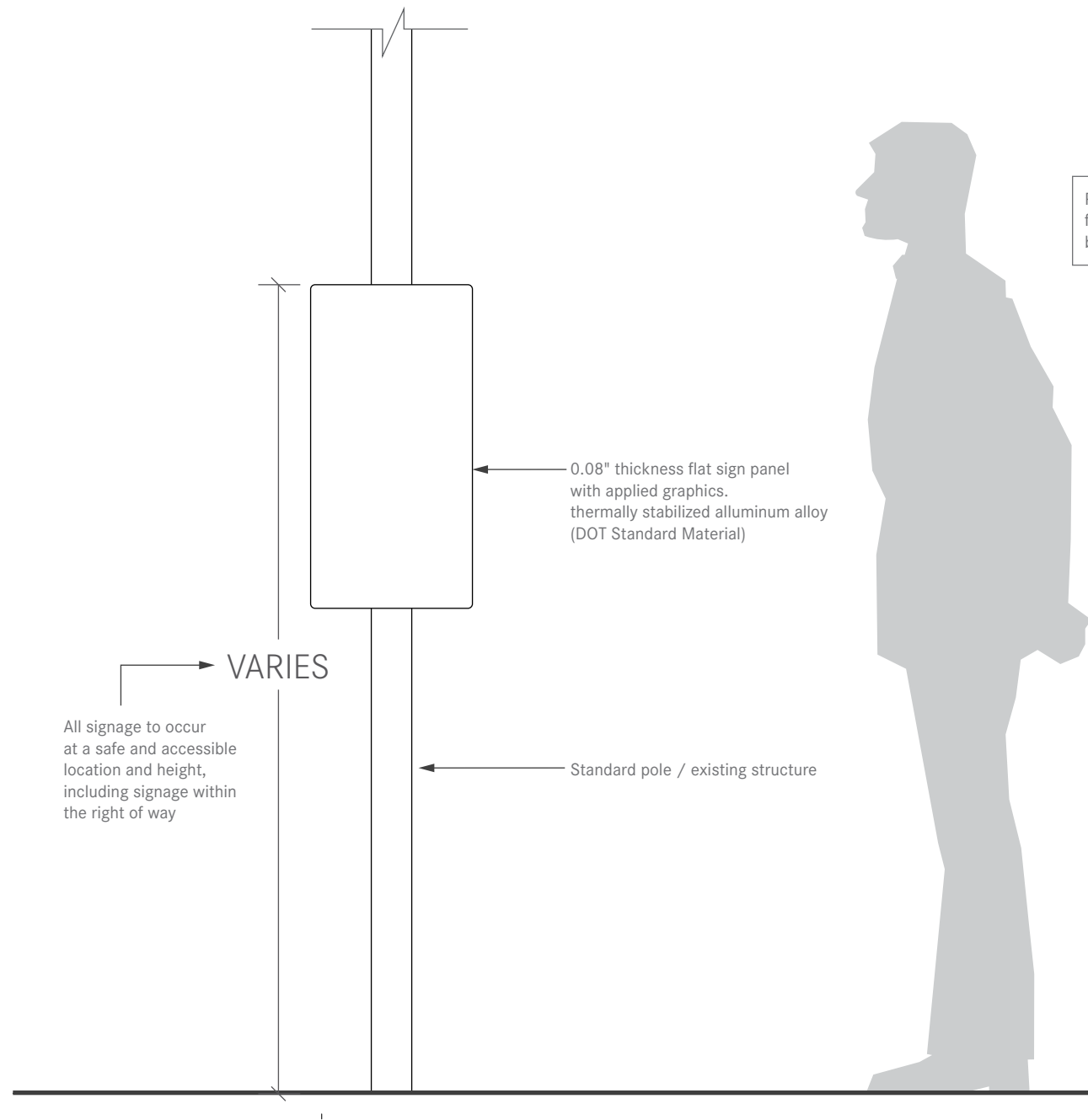
S1.1 Resiliency Introduction



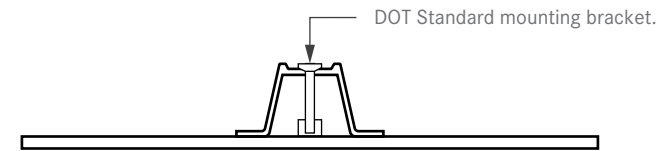
S1.1 Resiliency Introduction



- 12"×24" flat sign panel.
- Mounted to existing/dedicated standard sign poles, light poles.
- All signage to occur at a safe and accessible location and height, including signage within the right of way.
- Content consists of: introductory text about the ESCR project, graphic rendering that demonstrates the scale and extent of the resiliency project. Resiliency logo, agency logos.
- Sign color variations to be tested on site and evaluated for legibility.
- Final color TBD.

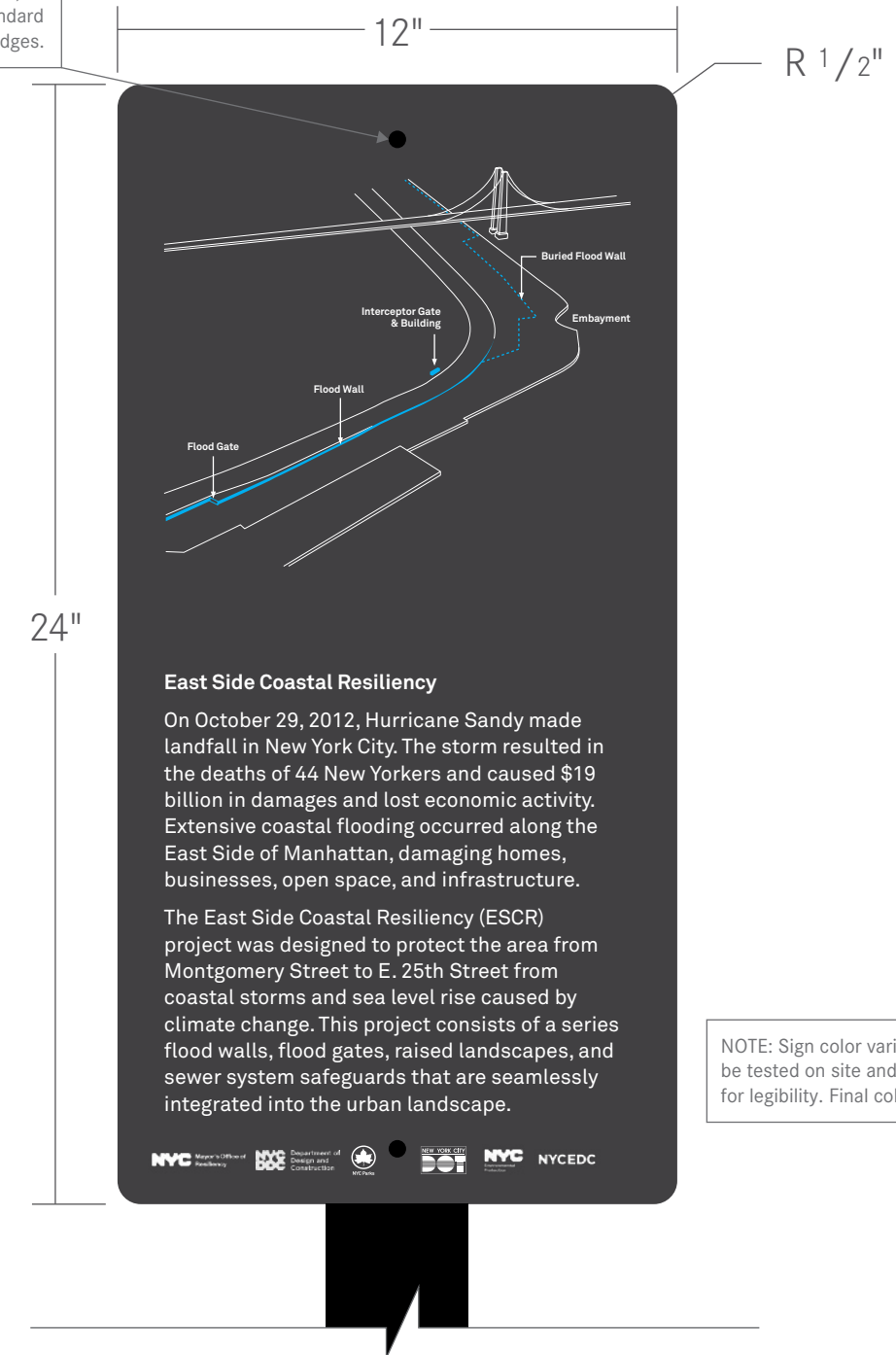


1 S1.1 Resiliency Introduction - Elevation
1" = 1'-0"



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

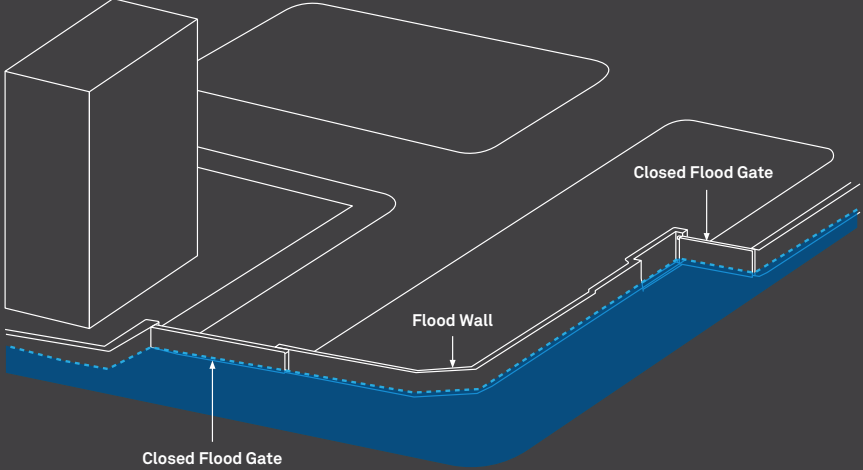
Punched 3/8" diameter hole,
for mounting with DOT standard
brackets. Hole is 1" from edges.



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




Component Information Signs

S1.2 Component Information: Flood wall



Flood Wall

This flood wall is part of the East Side Coastal Resiliency (ESCR) project, an integrated system that protects the East Side of Manhattan from coastal storms and sea level rise. This flood wall is constructed from concrete and steel and is designed to account for future sea level rise caused by climate change. The pattern and numbers on the wall show the elevation height of the wall above sea level, using the 2015 sea level as a baseline.

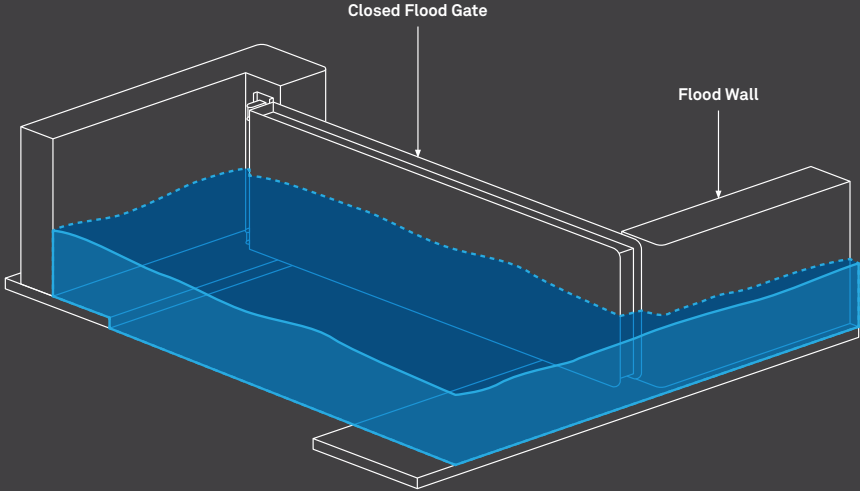


S1.2 Component Information: Buried Flood Wall

Buried Flood Wall


You are standing on top of one of the most ambitious flood protection projects in the United States. As part of the East Side Coastal Resiliency (ESCR) project, East River Park was elevated approximately eight feet to deter floodwaters from coastal storms and sea level rise. This elevated parkland connects with an integrated system of flood walls, flood gates, raised landscapes, and sewer system safeguards stretching from Montgomery Street to E. 25th Street. These elements will ensure that generations of New Yorkers are protected from the climate change threats of the future.

S1.2 Component Information: Flood Gate

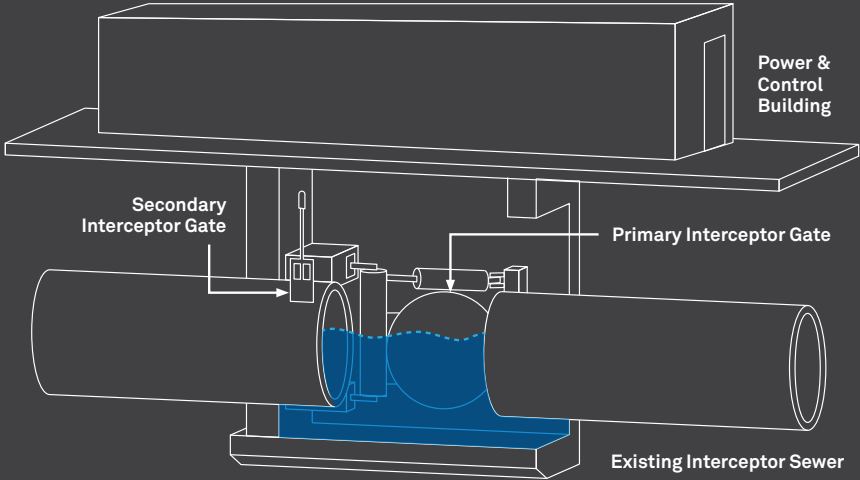


Flood Gate

This flood gate is part of the East Side Coastal Resiliency (ESCR) project, an integrated system that protects the East Side of Manhattan from coastal storms and sea level rise. Flood gates work in coordination with adjacent flood walls. When a coastal storm is forecasted, these gates are closed to form a continuous line of protection.




S1.2 Component Information: Interceptor Gates



The diagram illustrates the Interceptor Gates system. A rectangular Power & Control Building is situated above a horizontal Existing Interceptor Sewer pipe. Two circular gates, labeled Secondary Interceptor Gate and Primary Interceptor Gate, are positioned along the pipe. Arrows indicate the flow of water from left to right through the pipe. The gates are shown in a closed position, preventing water from entering the pipe from the left. The water level inside the pipe is indicated by a blue line.

Interceptor Gates

Coastal storms don't only cause aboveground flooding – they also impact the underground sewer system. When a storm arrives, waters can rush into sewer outfalls at the shoreline and send a mix of seawater and sewage rushing through underground pipes that are connected to homes and businesses. The equipment housed in this building controls underground gates that are shut in the event of a storm, preventing storm surge water from entering the system. These interceptor gates were built as part of the East Side Coastal Resiliency (ESCR) project, which protects the area from Montgomery Street to E. 25th Street from coastal storms and sea level rise caused by climate change.

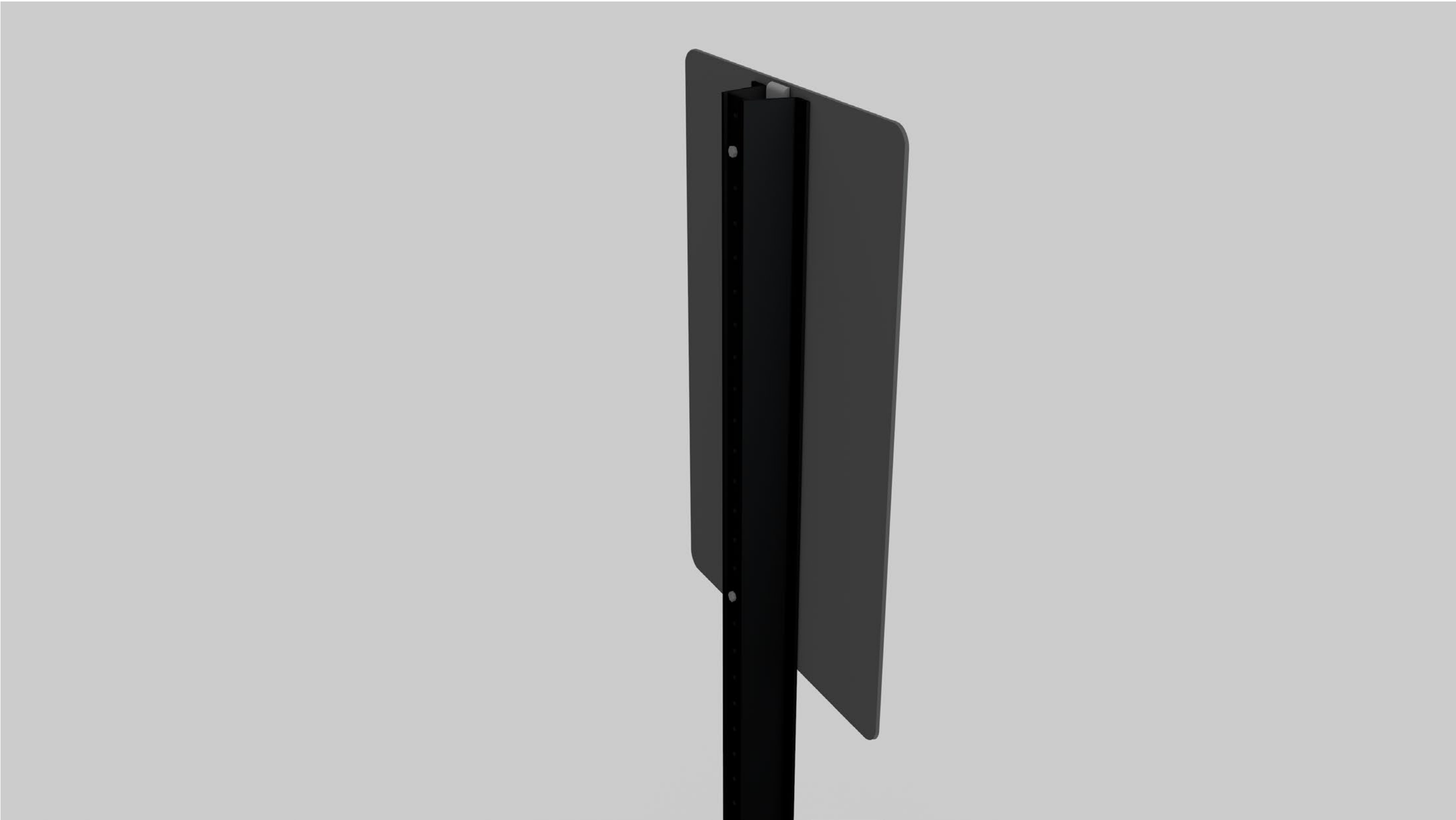


The logos for the New York City Department of Design and Construction, NYC Parks, and NYC Environmental Protection are displayed at the bottom of the diagram.

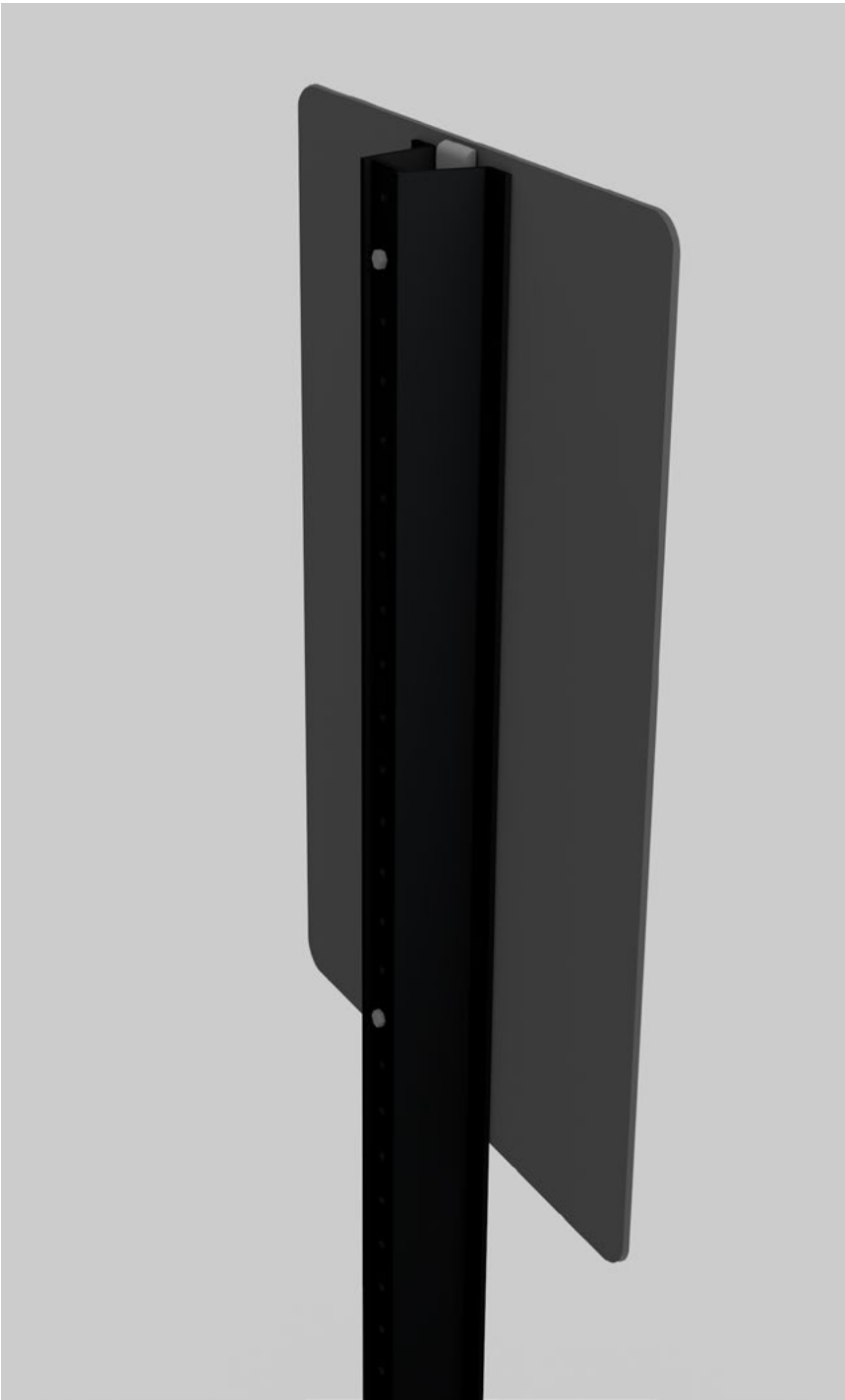
S1.2 Component Information



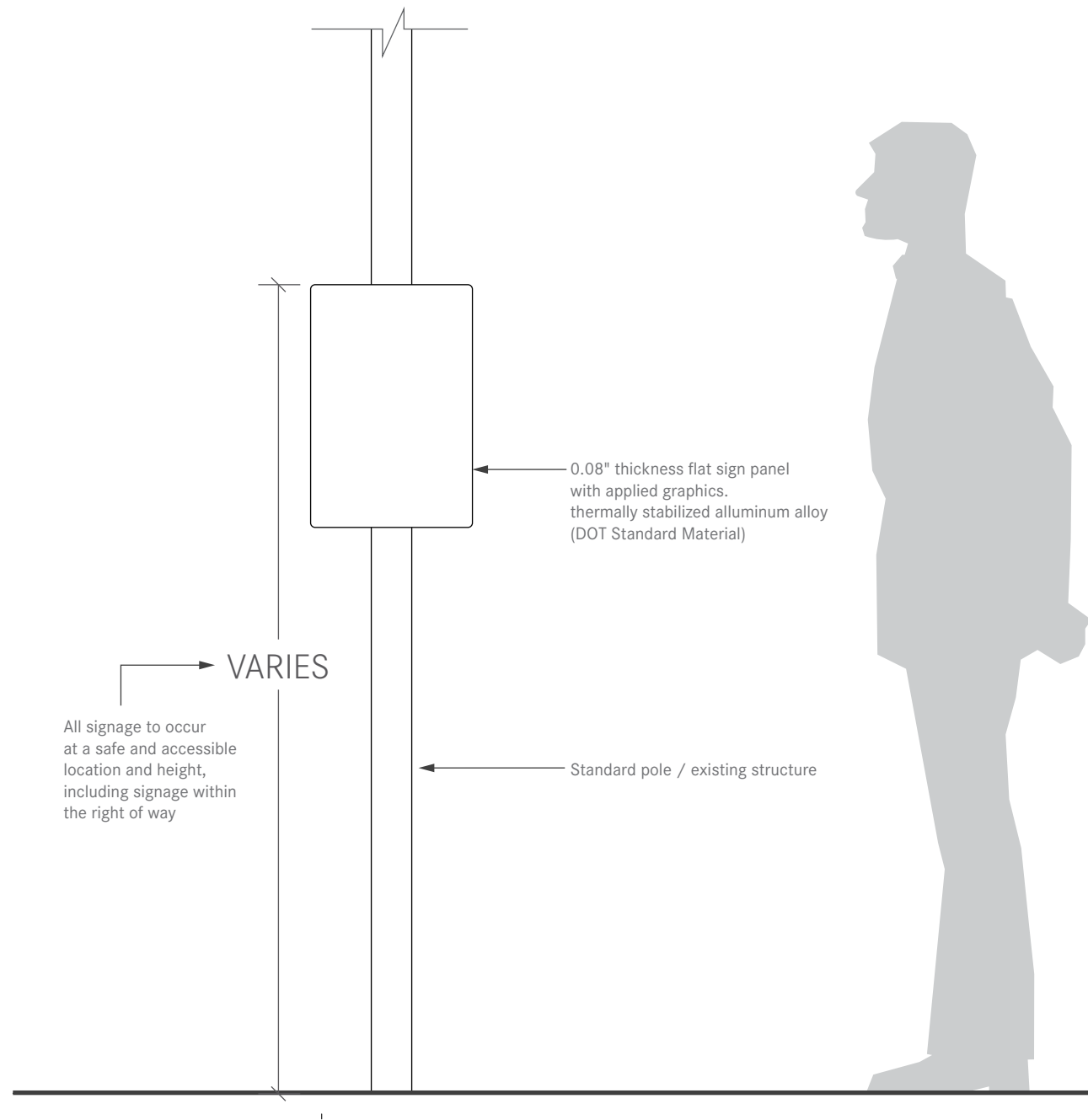
S1.2 Component Information



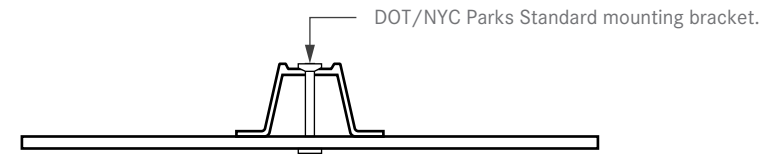
S1.2 Component Information



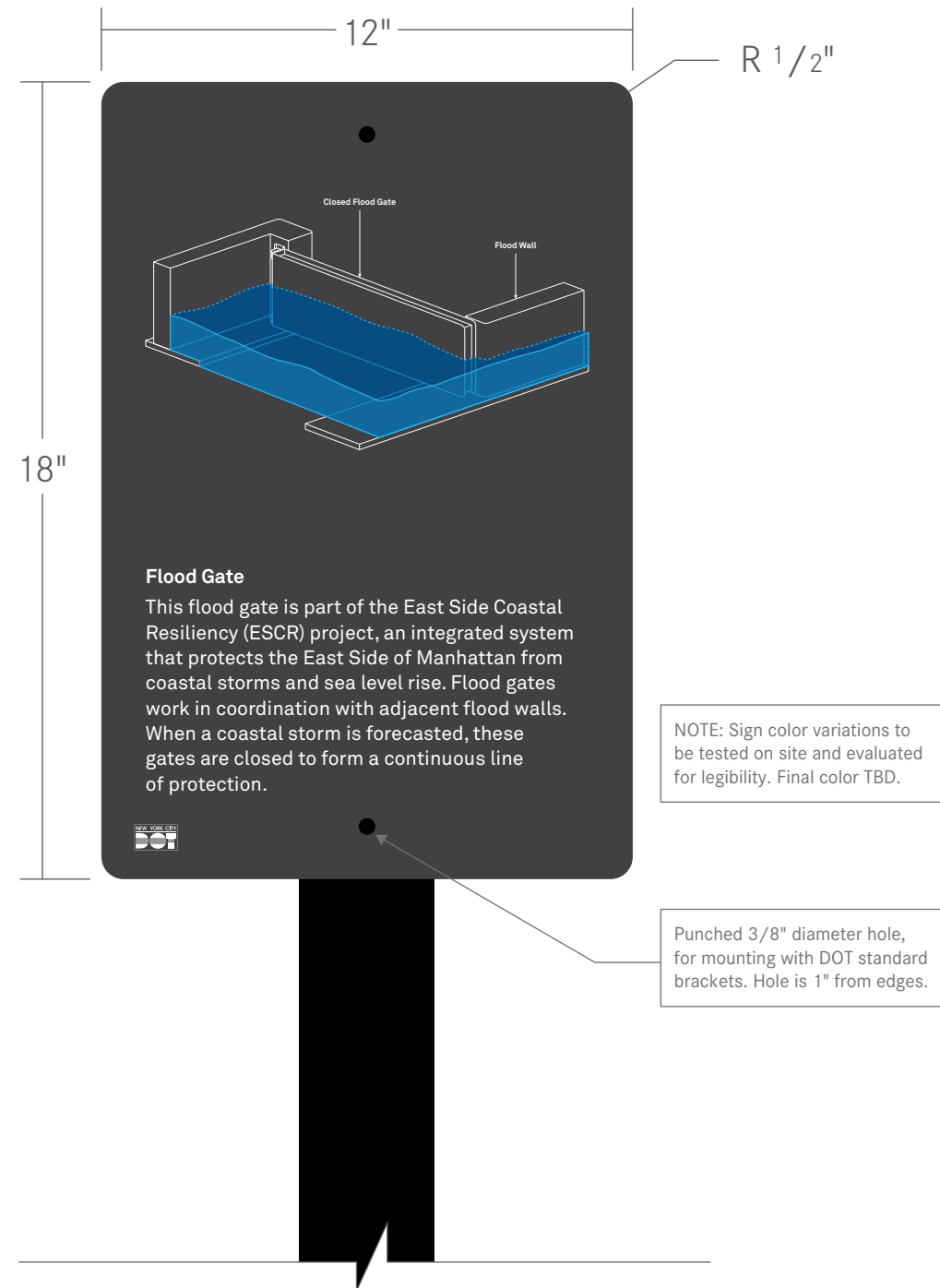
- 12"×18" flat sign panel.
- Mounted to existing/dedicated standard sign poles, light poles.
- All signage to occur at a safe and accessible location and height, including signage within the right of way.
- Content consists of explanatory text and graphic regarding a component of the ESCR project eg. flood wall, flood gate, buried flood wall, or interceptor gate.
- Sign color variations to be tested on site and evaluated for legibility.
- Final color TBD.



1 S1.2 Component Information - Elevation
1" = 1'-0"



3 S1.2 Component Information - Detail - Top
3" = 1'-0"



3 S1.2 Component Information - Detail - Front
3" = 1'-0"

Sign Locations

Full Location Plan

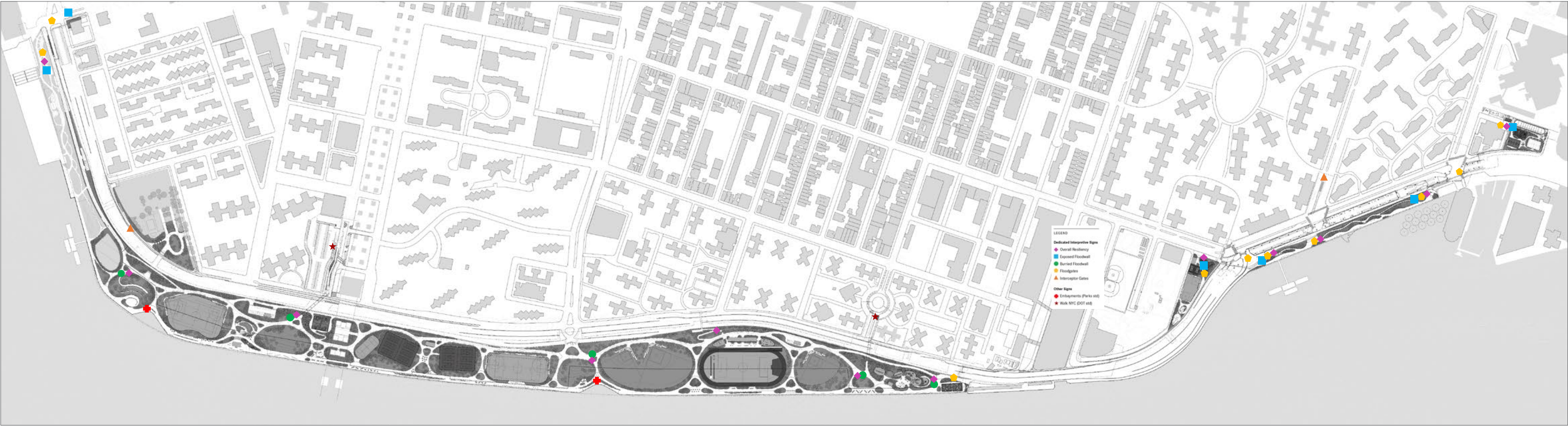
LEGEND

Dedicated Interpretive Signs

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

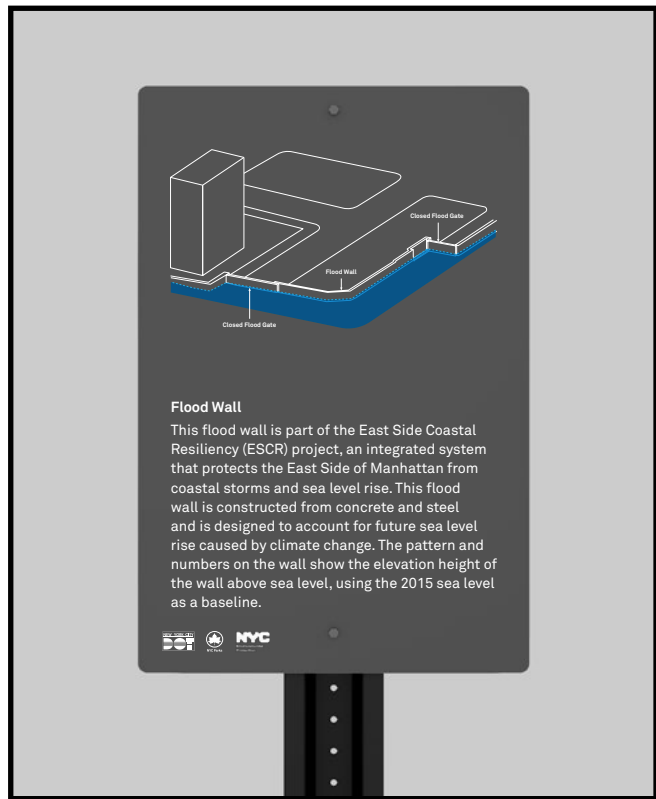
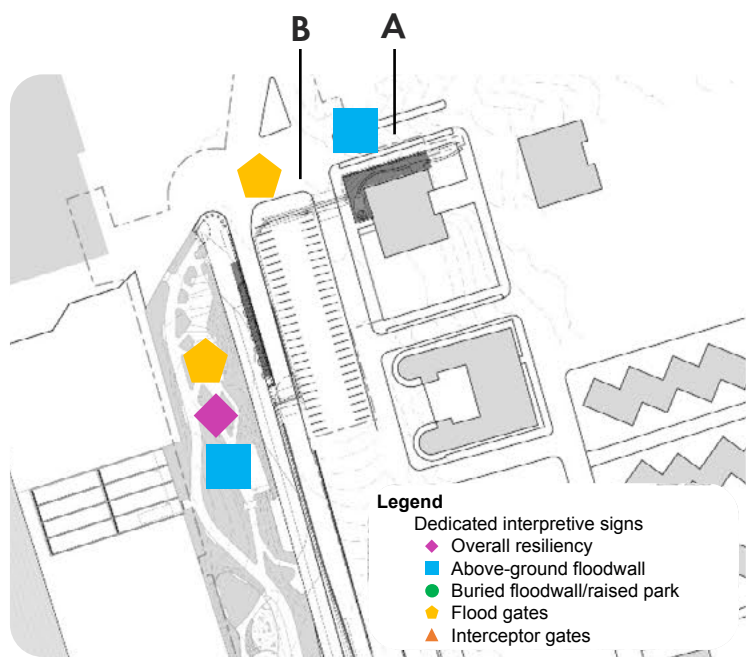
Other Signs

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



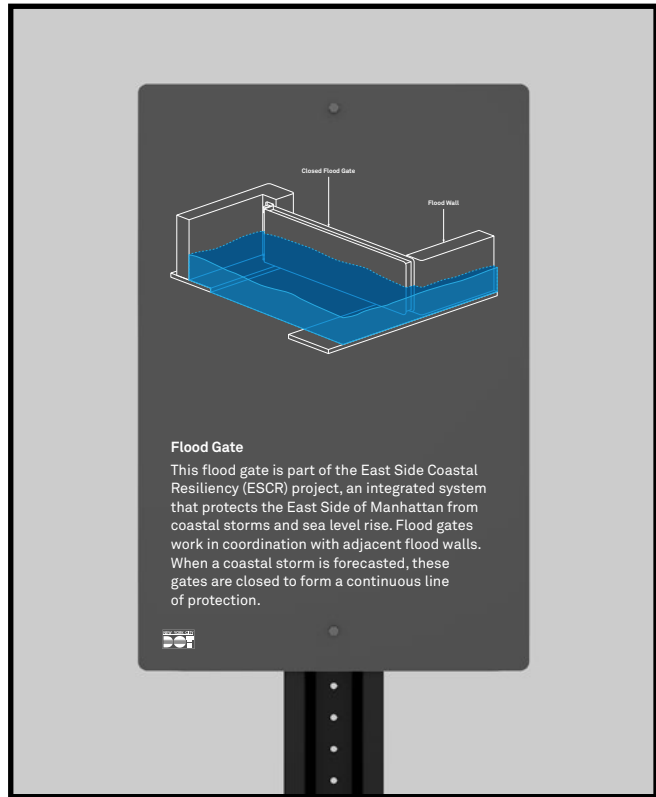
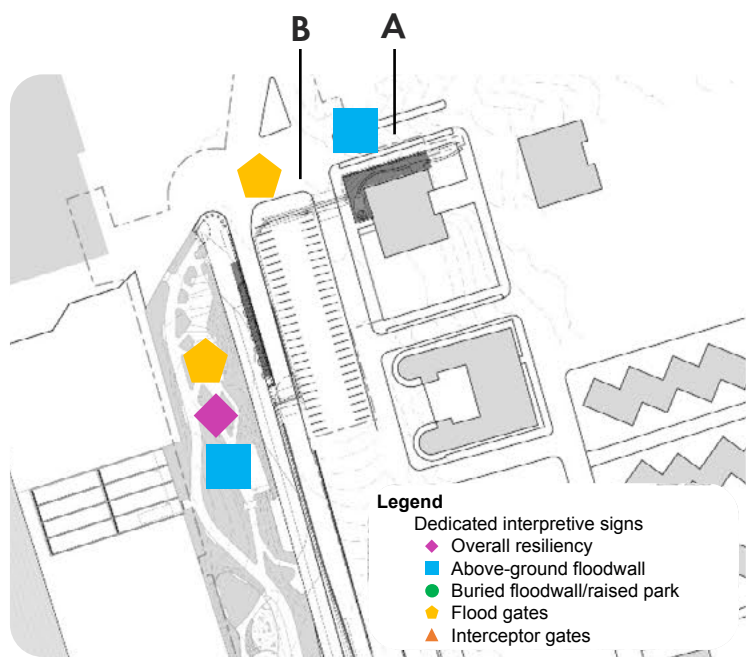
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - Montgomery Street View 1



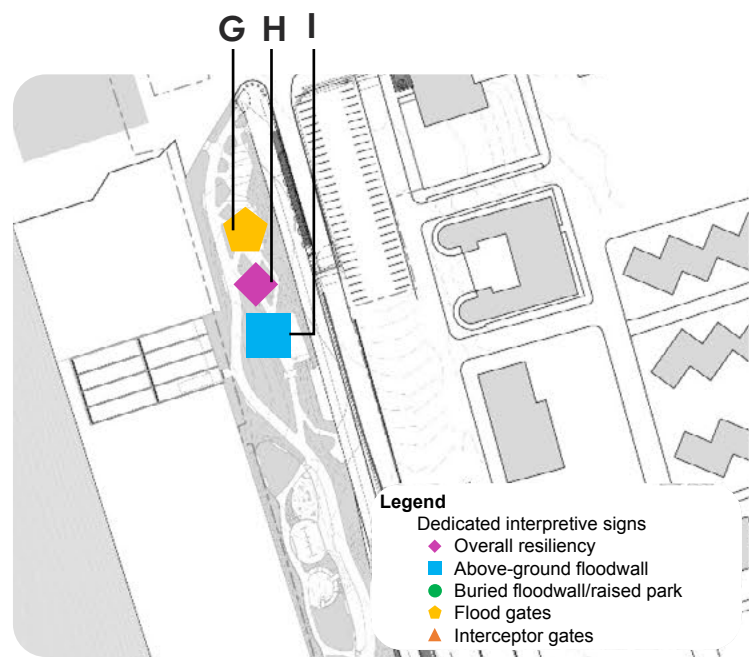
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - Montgomery Street View 2



ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East River Park Entrance / Pier 42



Flood Gate

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Flood Wall

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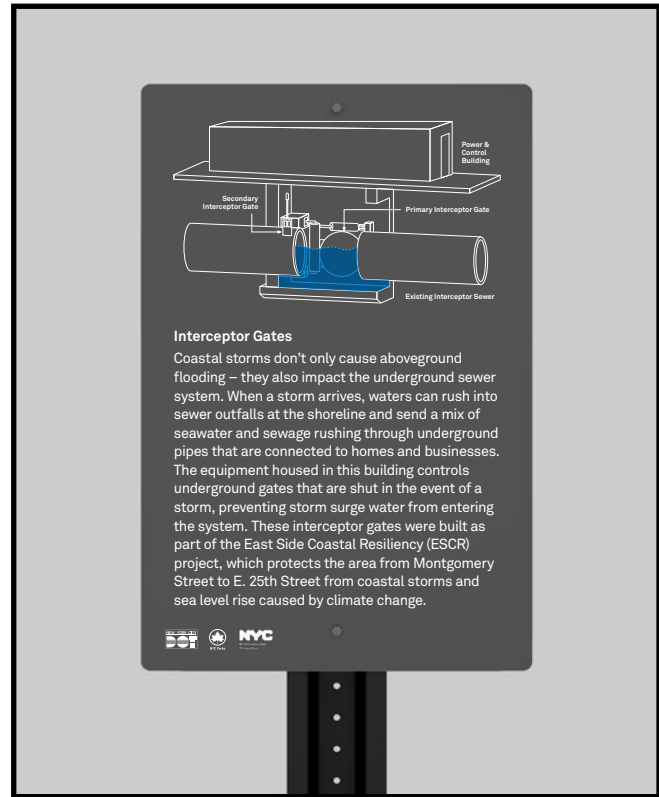
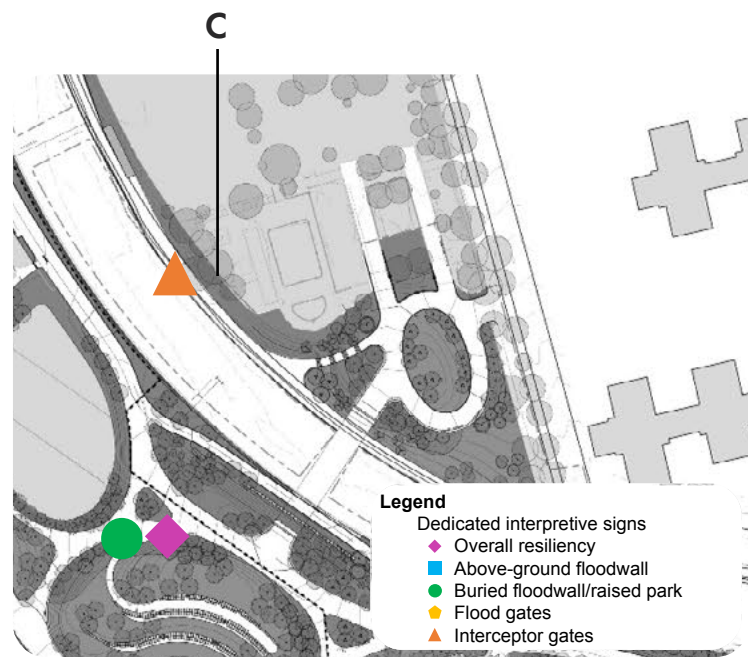
East Side Coastal Resiliency

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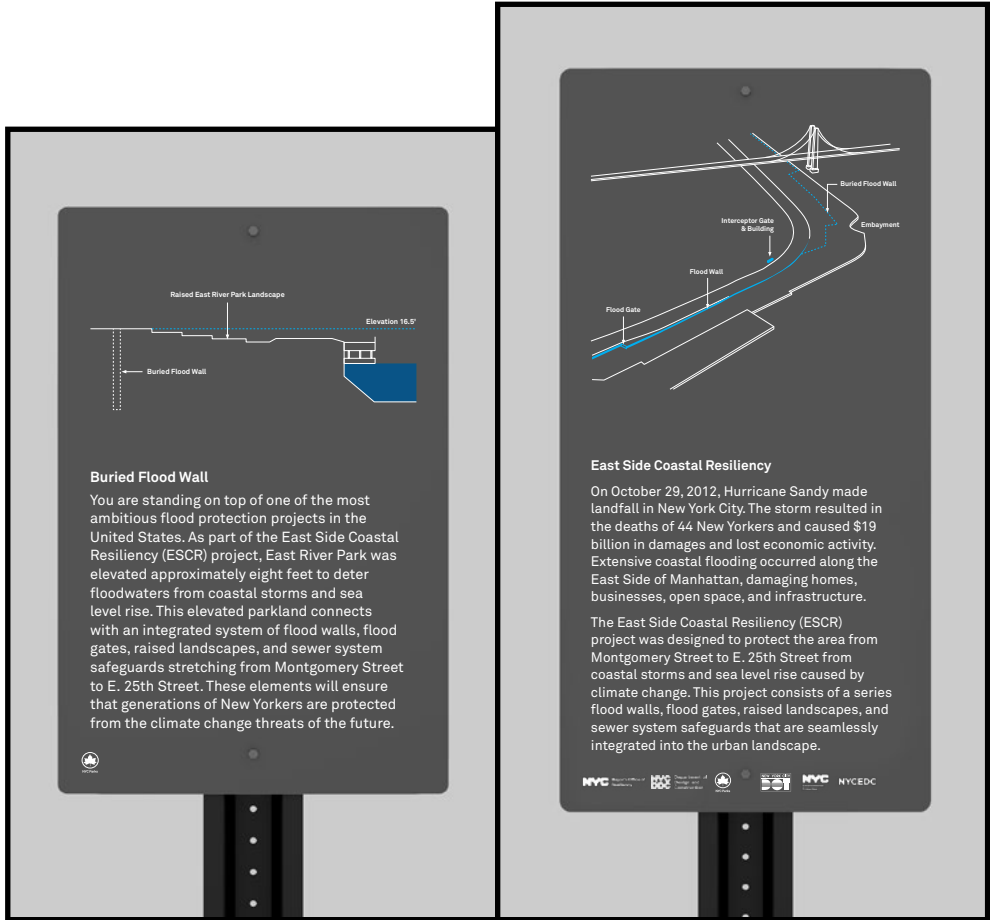
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - South Interceptor Gate Building Rendered Aerial View



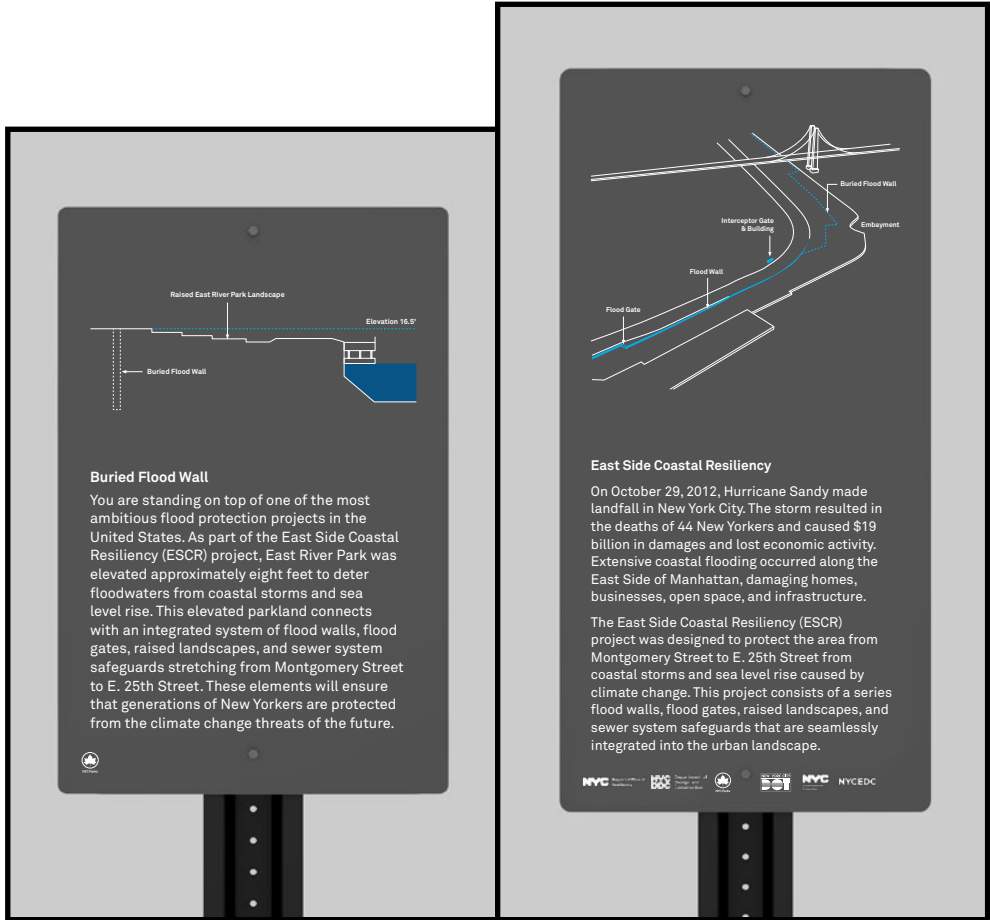
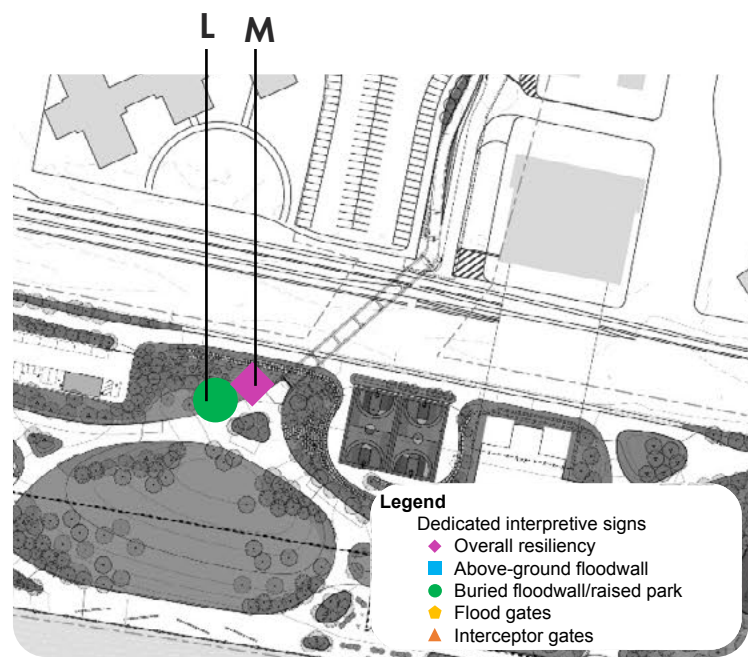
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East River Park Amphitheater



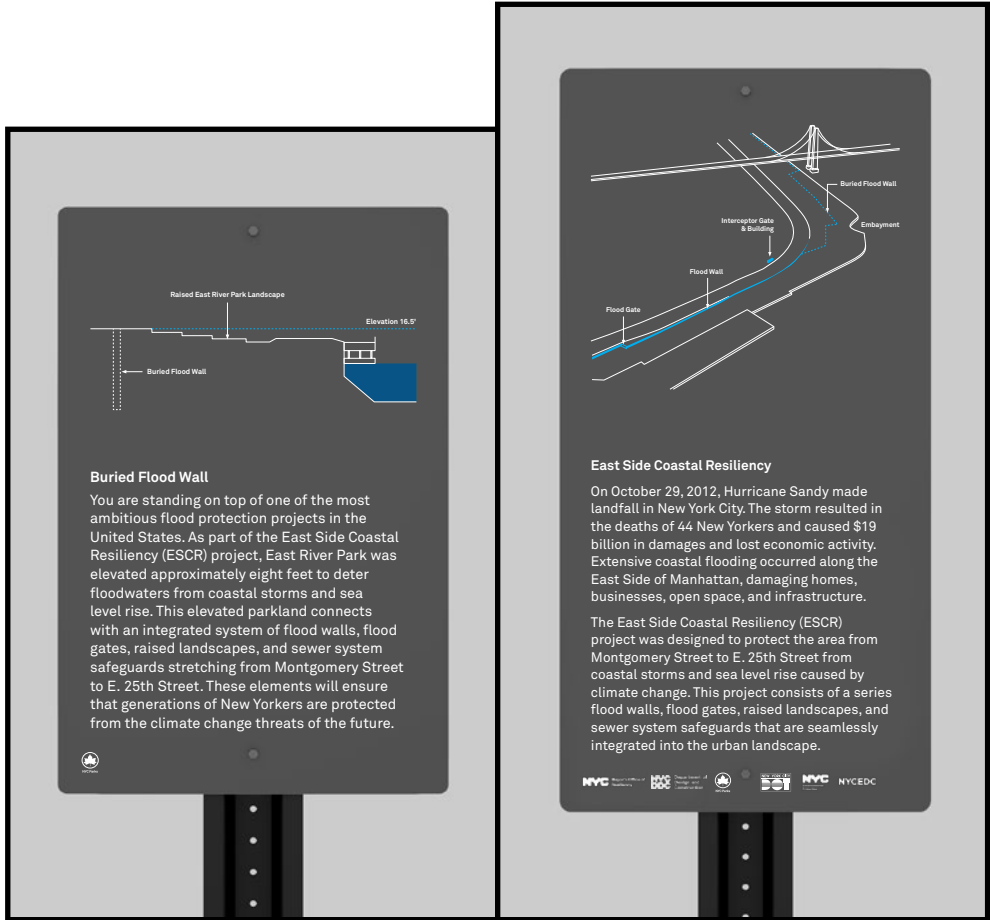
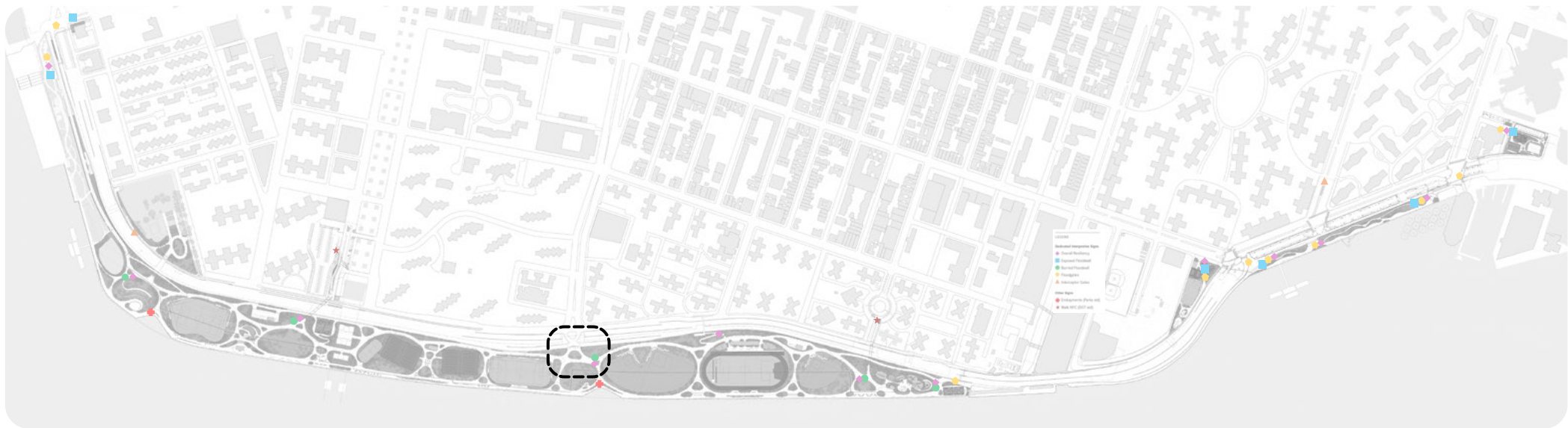
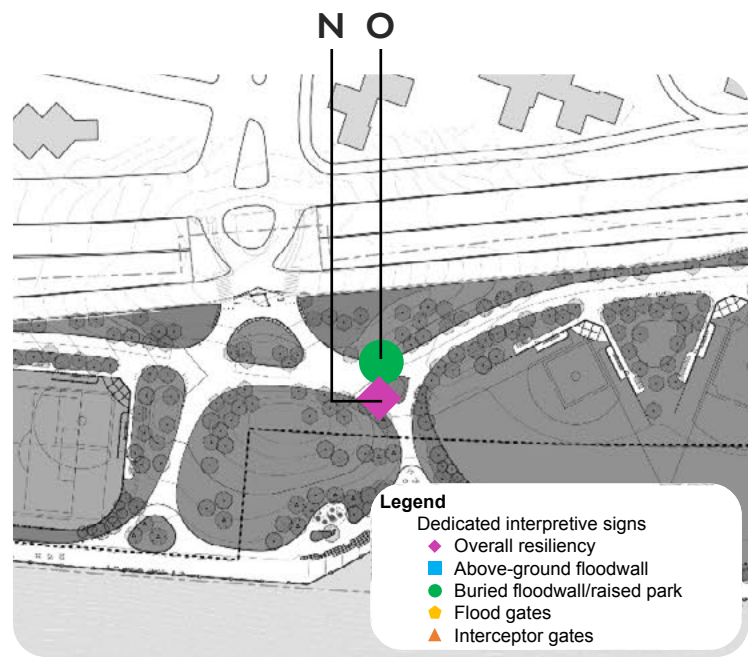
ESCR INTERPRETIVE SIGNAGE

Proposed Locations -Delancey Street Bridge



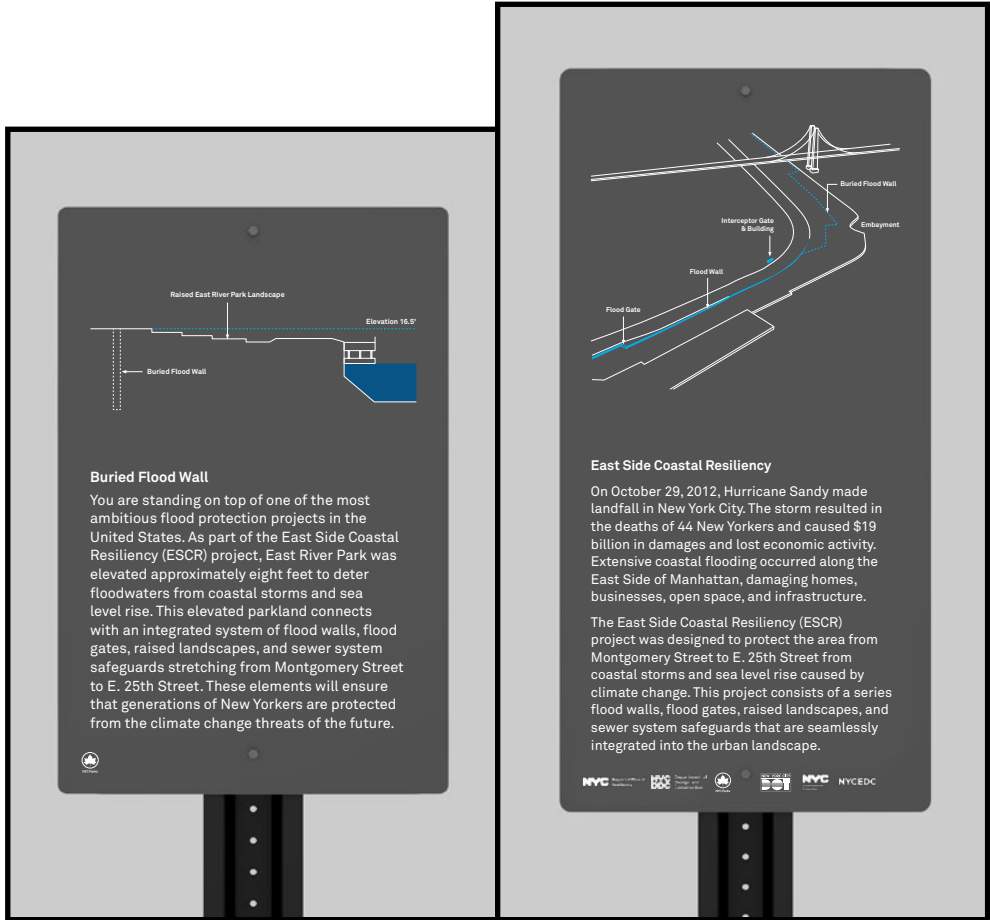
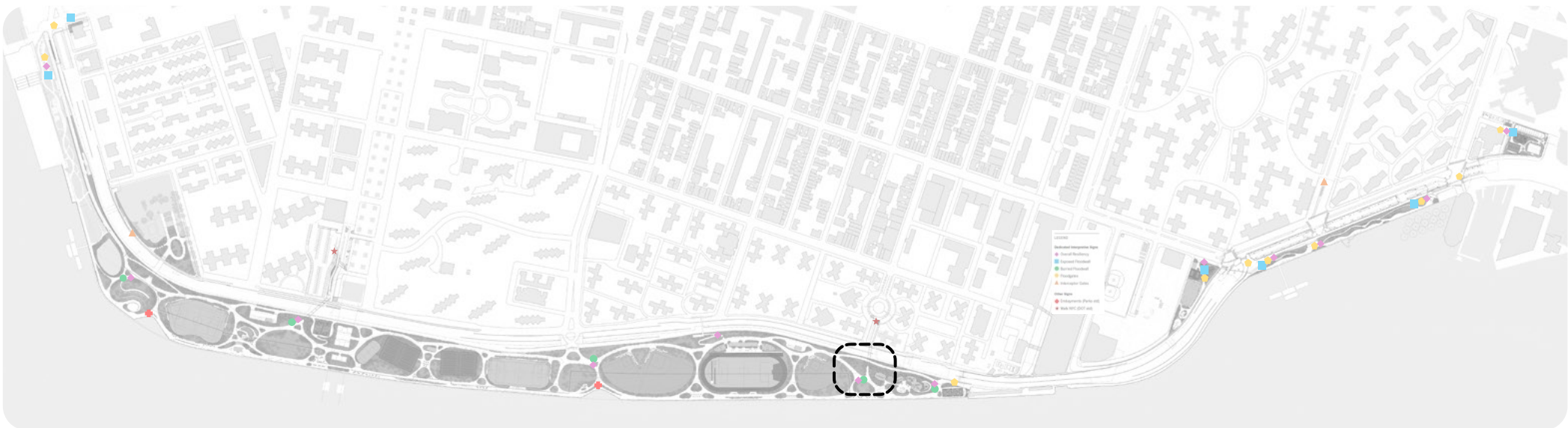
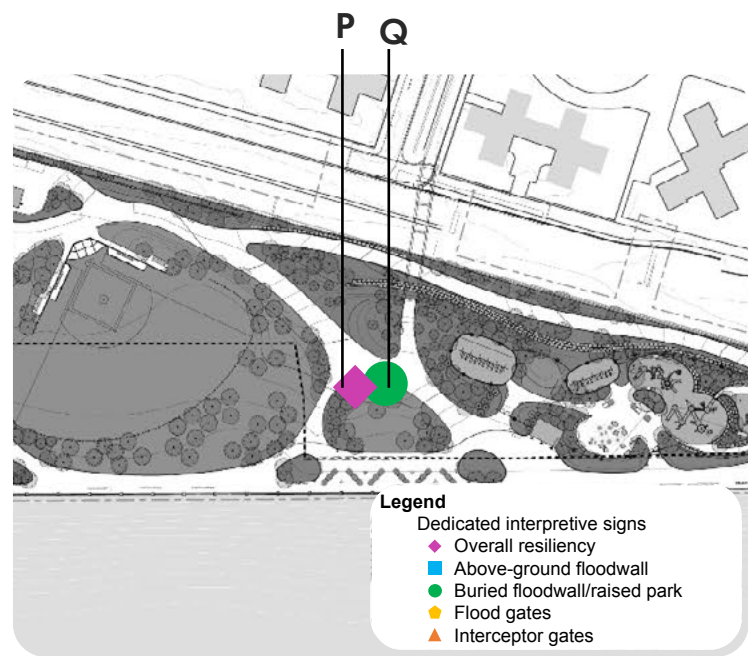
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - Houston Street Overpass and Embayment



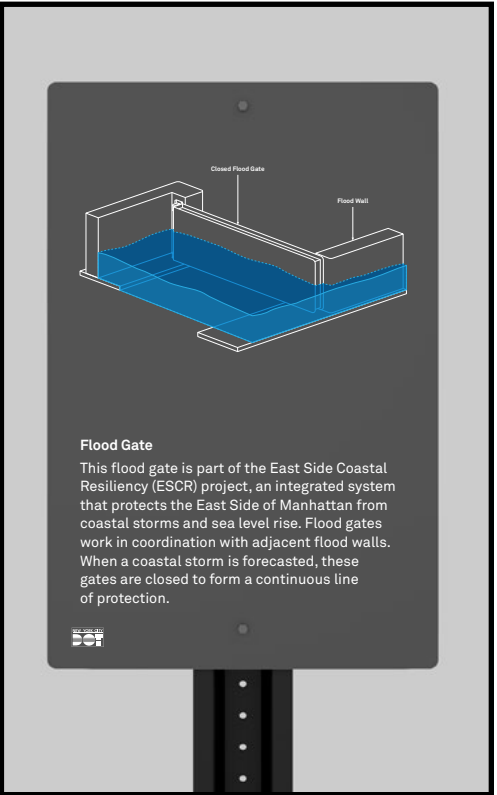
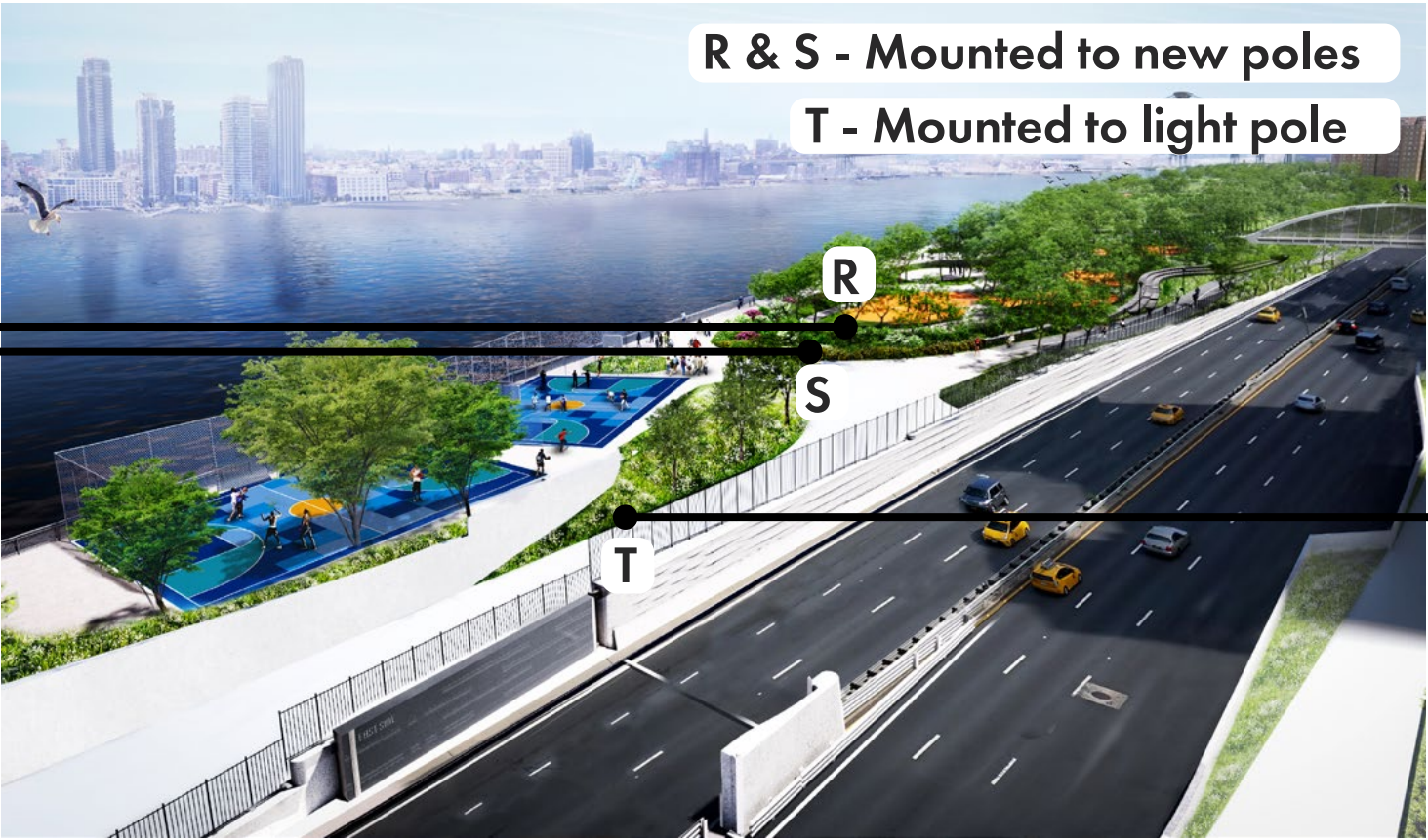
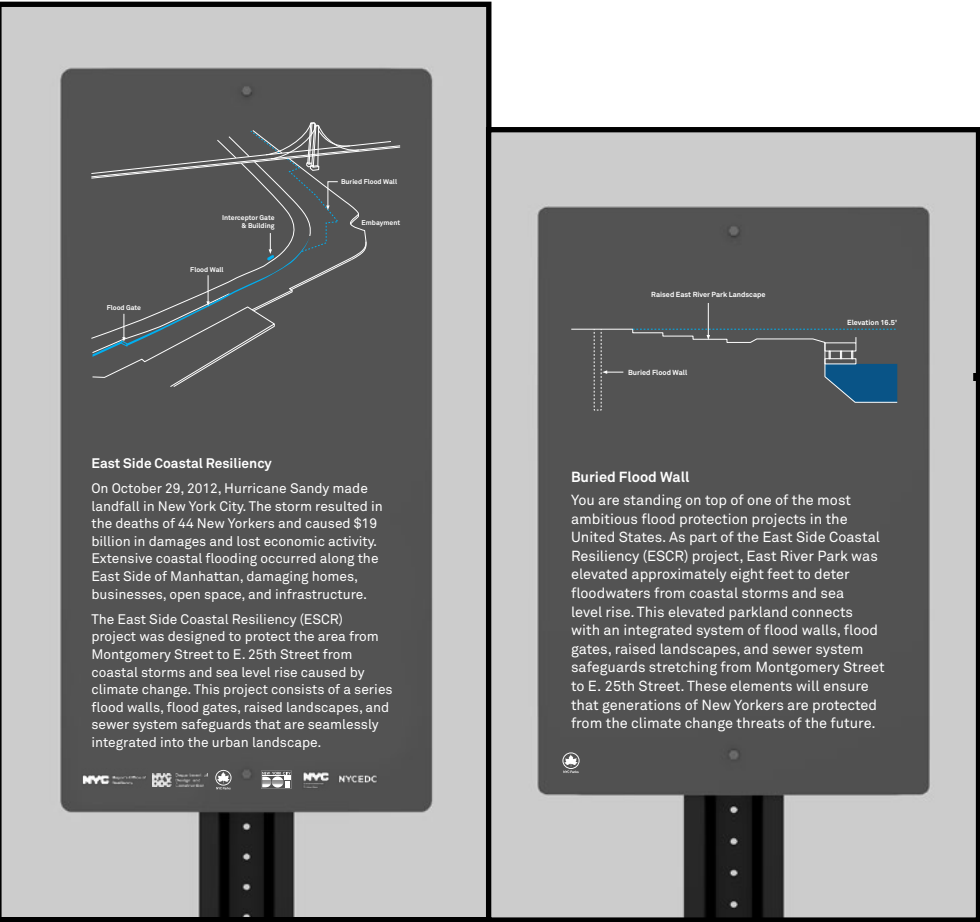
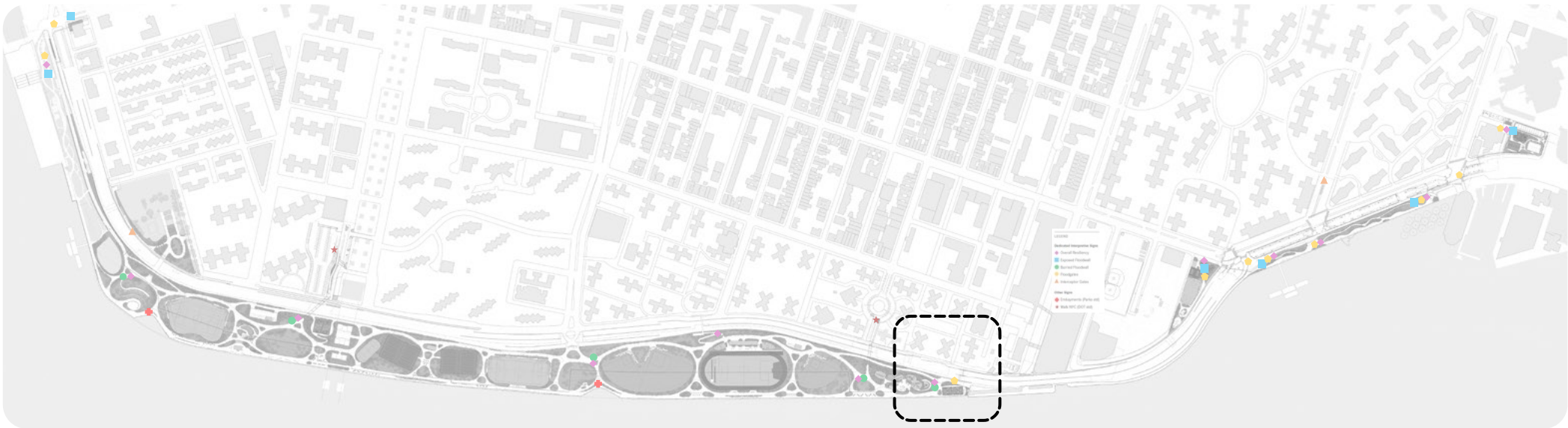
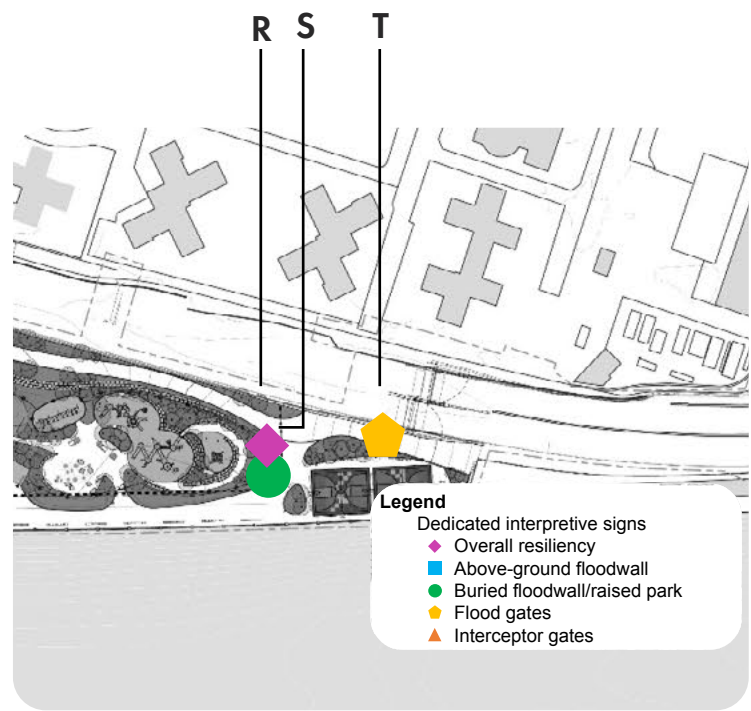
ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East 10th Street Bridge



ESCR INTERPRETIVE SIGNAGE

Proposed Locations - East River Park North Entrance



Thank You