

# **CHARLESTOWN FLOOD RESILIENCE PROJECT**

**FLOOD RESILIENCE MITIGATION PLANNING, FEASIBILITY & DESIGN STUDY FOR  
CHARLESTOWN NAVY YARD & LITTLE MYSTIC CHANNEL**

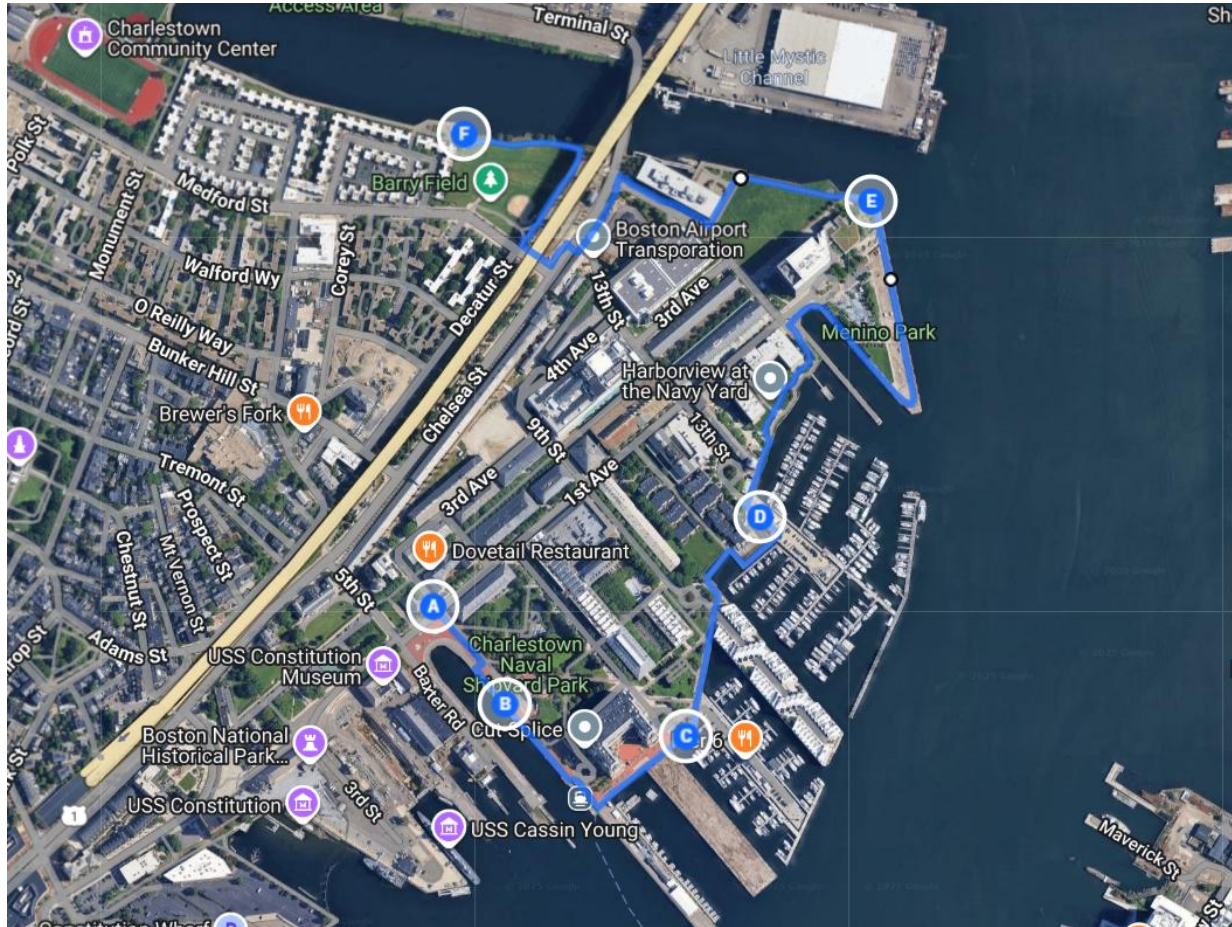
Do-It-Yourself Site Walk – Fall 2025



# SITE WALK ITINERARY

**B**

Join us on a tour of the Charlestown Navy Yard and Little Mystic Channel areas to explore design options to make us resilient to current and future flooding. **Go at your own pace** and **scan this QR code** ([or click this link](#)) to let us know what you think when you're done!



**A** **5TH STREET TIE-IN**  
1<sup>st</sup> Ave and Terry Ring

**B** **DRY DOCK 2**  
5th Street and Baxter Avenue to the Ferry Terminal

**C** **FLAGSHIP WHARF, PIERS 5 & 6**  
The Ferry Terminal to Constellation Wharf

**D** **CONSTELLATION WHARF / HARBORVIEW WATERFRONT**  
The edge of Constellation Wharf to 16th Street and 1st Avenue

**E** **MENINO PARK AND SPAULDING REHABILITATION HOSPITAL**  
16th Street and 1st Avenue to the Tobin Memorial Bridge

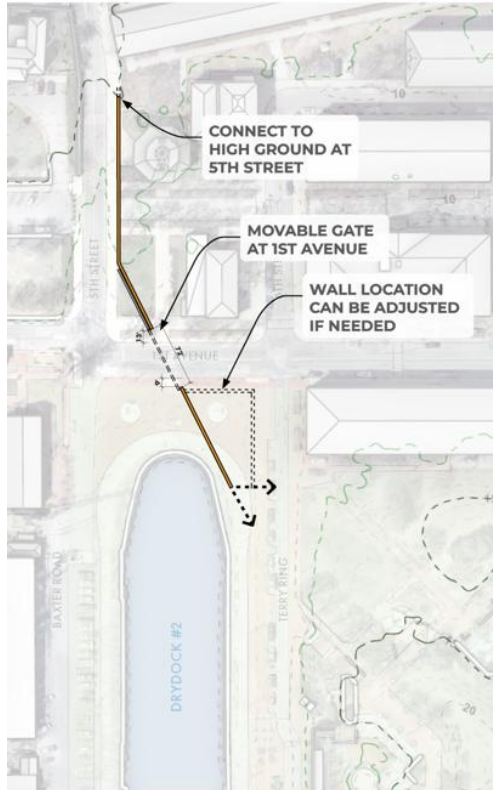
**F** **LITTLE MYSTIC CHANNEL**  
The Tobin Memorial Bridge to Little Mystic Channel Park



Stop Near Here (Scan QR or click link for map): [1st Ave and Terry Ring](#) – 1st Ave and Terry Ring, Charlestown, MA 02129

District-wide flood protection needs to tie into high ground. The 5th St tie-in completes the flood protection, so it does not depend on the adjacent National Park Service site.

### Option 1: Flood Wall



Cost: \$

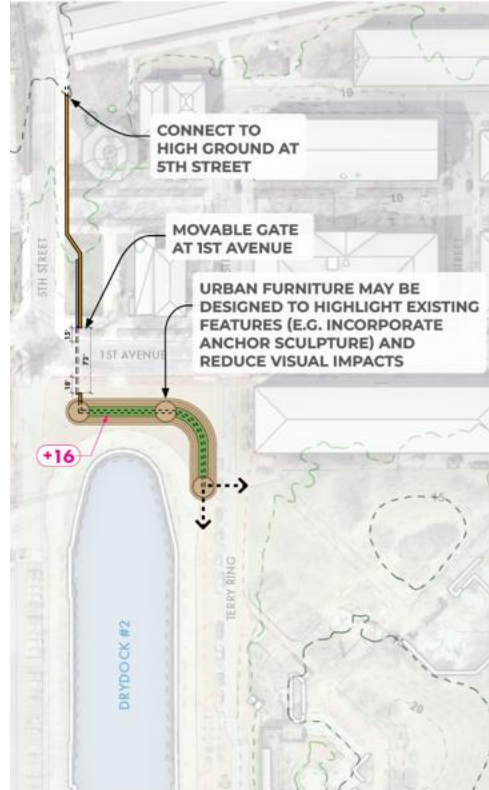
#### Pros:

- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Cons:

- More impact to existing waterfront character
- More impact to waterfront views
- More impact to waterfront access

### Option 2: Urban Furniture



Cost: \$\$\$

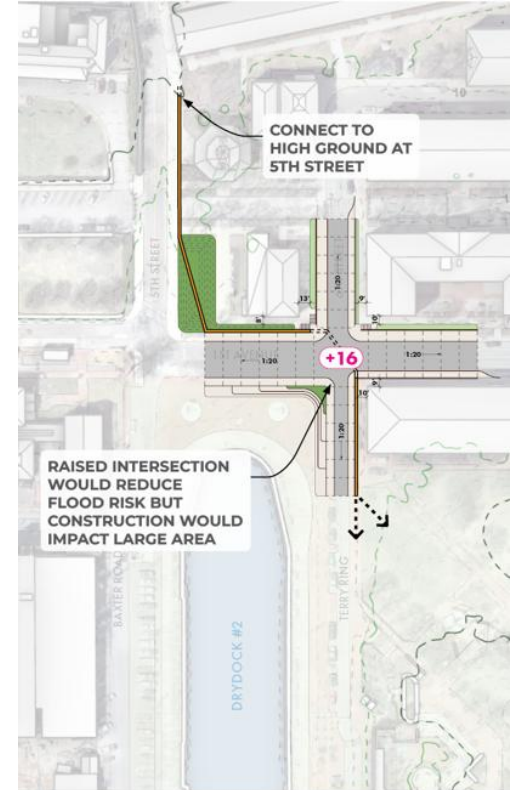
#### Pros:

- Matches existing waterfront character
- Opportunities for new public amenities
- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Cons:

- More impact to waterfront views
- More impact to waterfront access

### Option 3: Raised Grade



Cost: \$\$\$\$\$

#### Pros:

- Less impact to waterfront views
- Improves access along waterfront
- Easier to operate and maintain
- Can be built over time

#### Cons:

- More impact to existing waterfront character
- Harder to construct

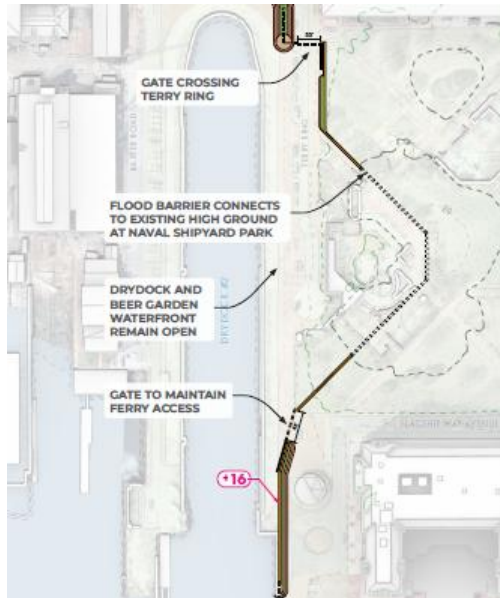




Stop Near Here (Scan QR or click link for map):  
[Charlestown Naval Shipyard Park](#) – 20 Flagship Way Ave,  
 Charlestown, MA 02129, USA

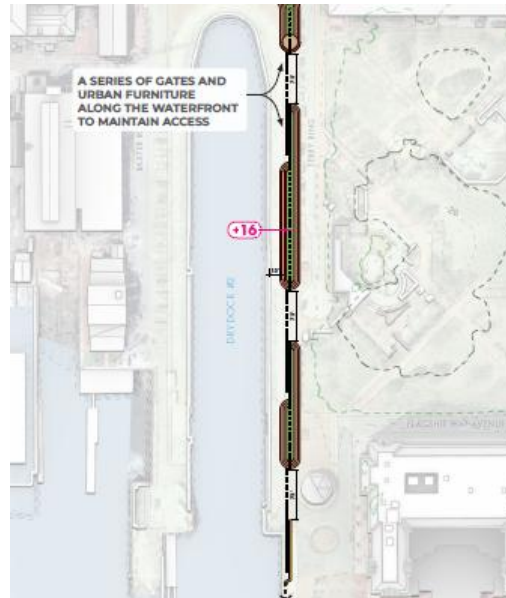
The drydock is next to the Naval Shipyard Park, which has some high ground to tie into. If not tying into the high ground, the design option can be built along the dock front.

### Option 1: Buried Flood Wall



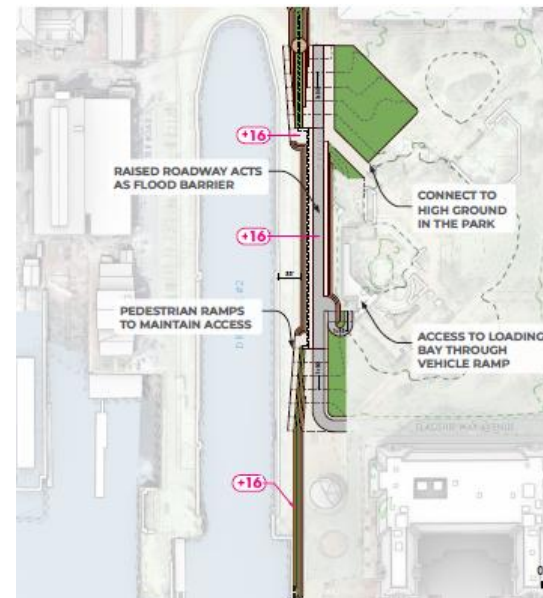
Cost: \$

### Option 2: Urban Furniture



Cost: \$\$\$

### Option 3: Raised Grade



Cost: \$\$\$\$\$

#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Pros:

- Matches existing waterfront character
- Opportunities for new public amenities
- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Cons:

- More impact to waterfront views
- More impact to waterfront access

#### Pros:

- Opportunities for new public amenities
- Easier to operate and maintain
- Can be built over time

#### Cons:

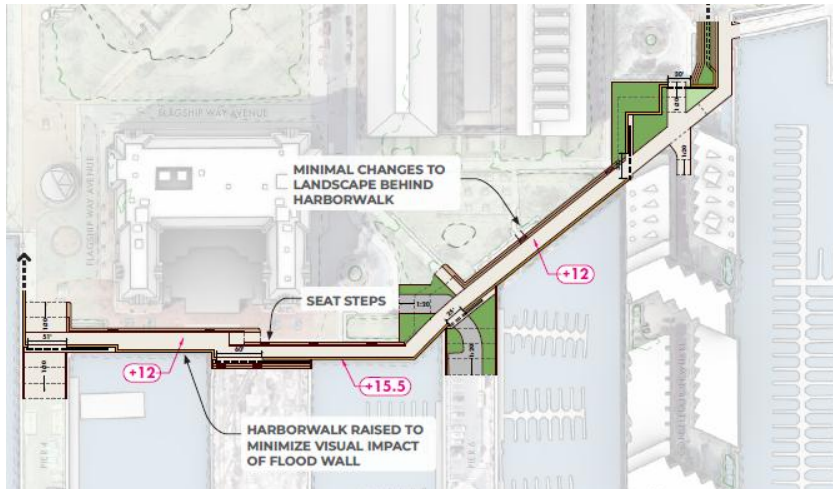
- More impact to existing waterfront character
- More impact to waterfront views
- More impact to waterfront access
- Harder to construct



Stop Near Here (Scan QR or click link for map): [8<sup>th</sup> Street Circle Garden](#) – 197 8<sup>th</sup> Street, Charlestown, MA 02129, USA

The piers here present a unique challenge. The district design must maintain access to the piers, while ensuring continuous flood protection.

### Option 1: Harborwalk Wall



Cost: \$\$\$

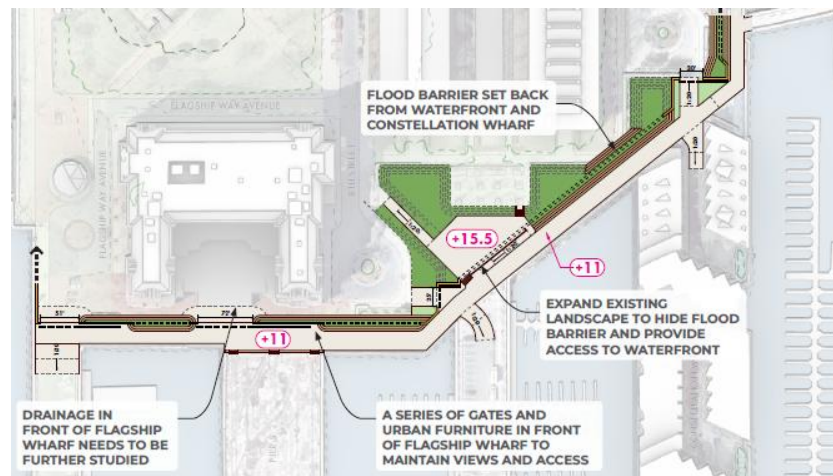
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Opportunities for new public amenities

#### Cons:

- Harder to operate and maintain
- Harder to construct
- Needs to be built all at once

### Option 2: Urban Furniture + Raised Grade



Cost: \$\$

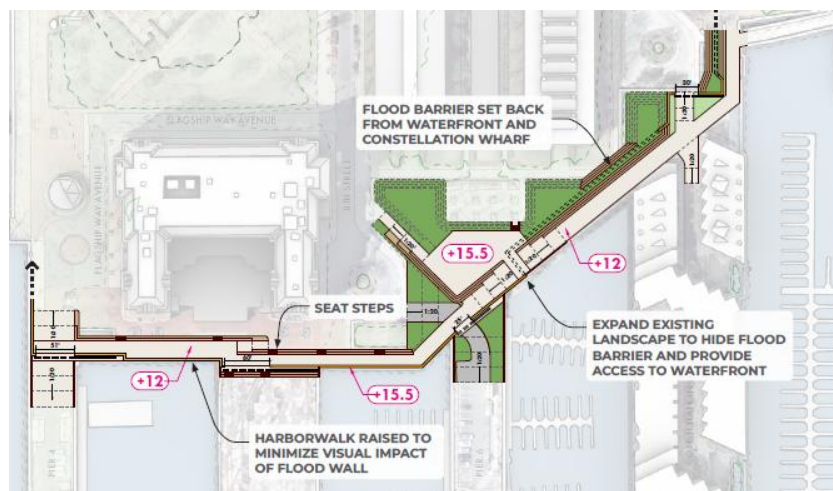
#### Pros:

- Matches existing waterfront character
- Opportunities for new public amenities
- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Cons:

- More impact to waterfront views
- More impact to waterfront access

### Option 3: Harborwalk Wall + Raised Grade



Cost: \$\$\$\$

#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Opportunities for new public amenities
- Easier to operate and maintain
- Can be built over time

#### Cons:

- Harder to construct

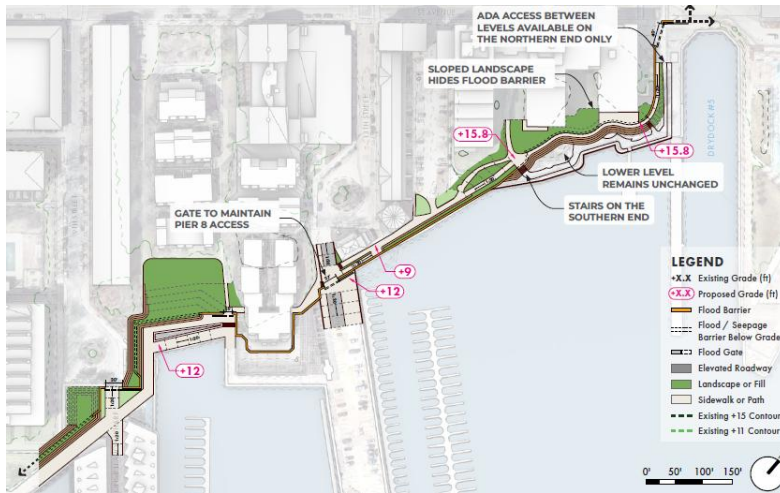




Stop Near Here (Scan QR or click link for map): [Pier 8](#) – Pier 8, Charlestown, MA 02129, USA

Shipway Place has a unique waterfront space with a historic submerged dock. Harborview boasts an already elevated Harborwalk to integrate flood protection into.

### Option 1: Buried Flood Wall at Harborview



Cost: \$\$\$\$

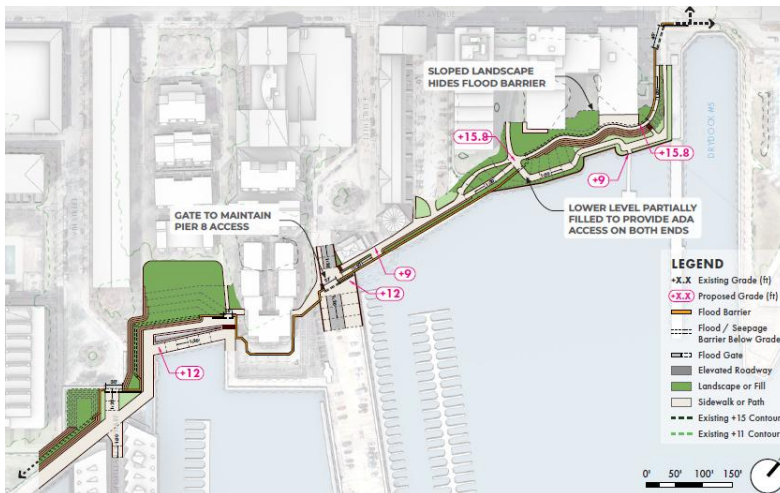
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Easier to operate and maintain
- Easier to construct
- Can be built over time

#### Cons:

- More impact to waterfront access

### Option 2: Buried Flood Wall + Raised Grade

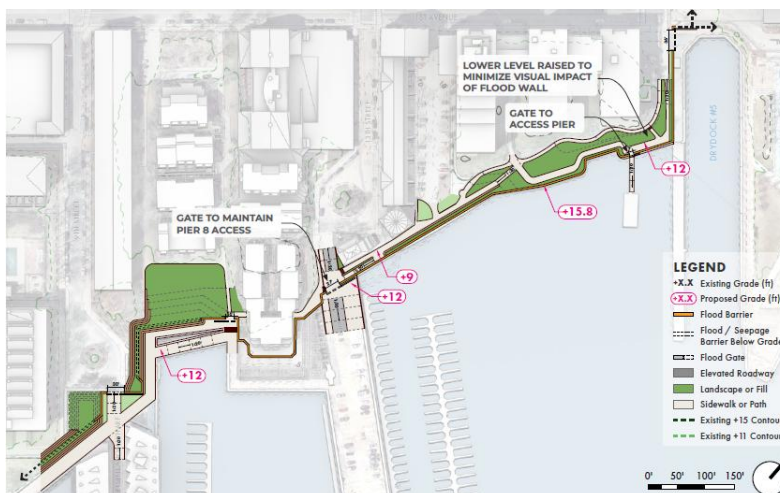


Cost: \$\$\$\$

#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Easier to operate and maintain
- Easier to construct
- Can be built over time

### Option 3: Waterfront Wall + Raised Grade



Cost: \$\$\$\$

#### Pros:

- Less impact to waterfront views
- Improves access along waterfront

#### Cons:

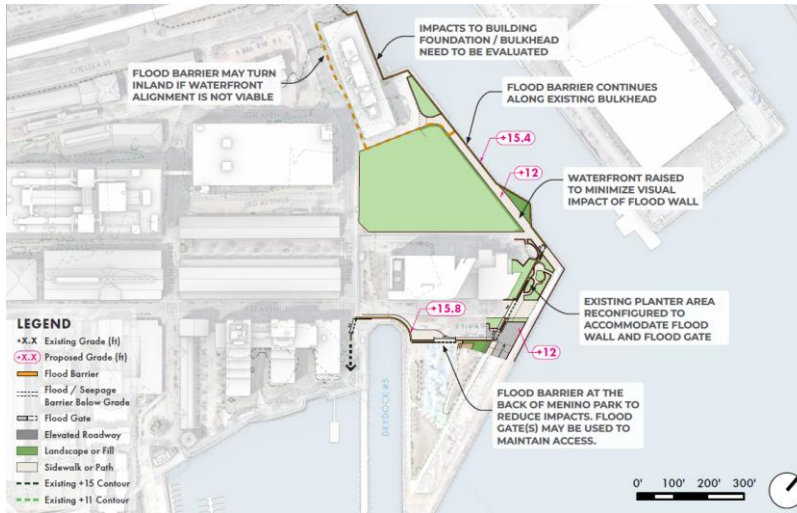
- More impact to existing waterfront character
- Harder to operate and maintain
- Harder to construct
- Needs to be built all at once



Stop Near Here (Scan QR or click link for map): [Spaulding Rehabilitation Hospital on the waterfront](#) – 300 1<sup>st</sup> Ave, Charlestown MA 02129

Menino Park and Spaulding Rehabilitation Hospital were recently built, and both include features to dissipate wave energy. Spaulding also has designs to protect it from flooding.

### Option 1: Bulkhead Flood Wall



Cost: \$\$\$

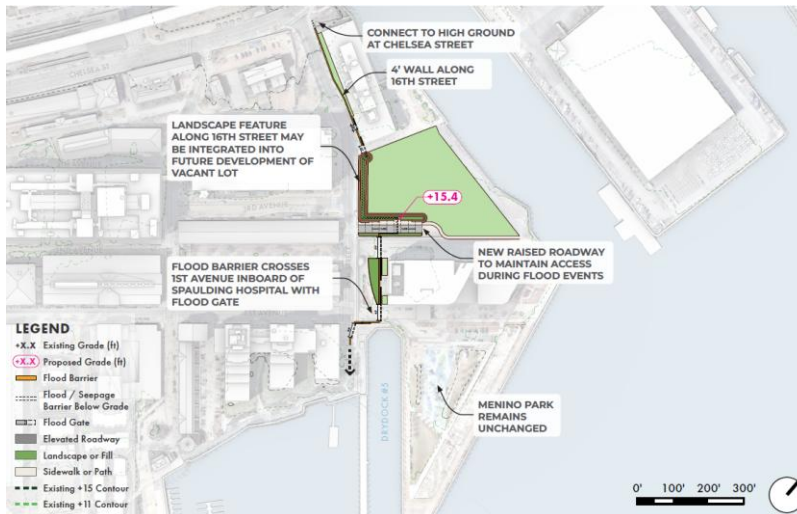
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront

#### Cons:

- Harder to operate and maintain
- Harder to construct
- Needs to be built all at once

### Option 2: Inland Urban Furniture



Cost: \$\$

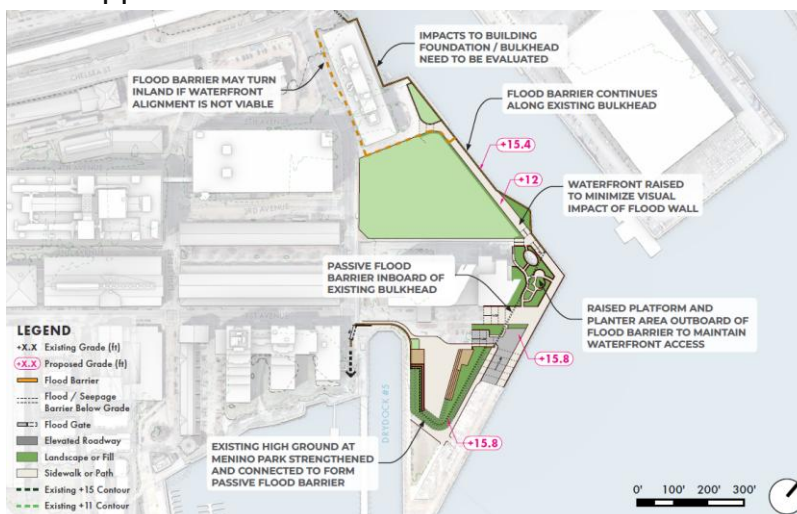
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Opportunities for new public amenities
- Easier to construct
- Can be built over time

#### Cons:

- Harder to operate and maintain

### Option 3: Raised Grade + Bulkhead Flood Wall



Cost: \$\$\$\$\$

#### Pros:

- Less impact to waterfront views
- Improves access along waterfront
- Opportunities for new public amenities
- Easier to operate and maintain

#### Cons:

- More impact to existing waterfront character
- Harder to construct
- Needs to be built all at once

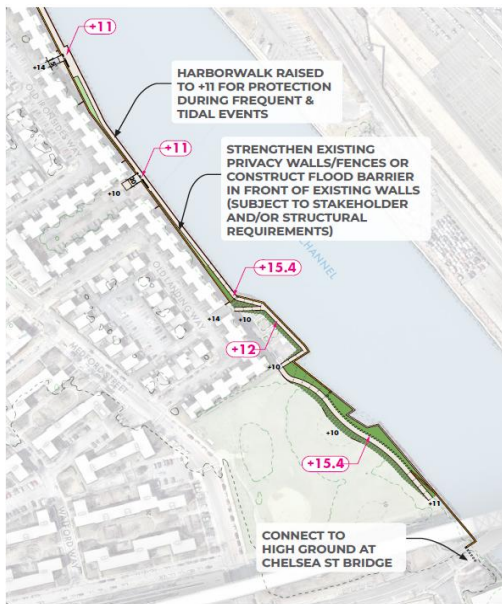




Stop Near Here (Scan QR or click link for map): [Little Mystic Plaza](#) - 21 Old Landing Way, Charlestown, MA 02129

The Little Mystic Channel has narrow frontage between the water and the residential Charles Newtown Cooperative making it challenging to add flood protection.

### Option 1: Flood Wall + Flood Gates



Cost: \$\$\$

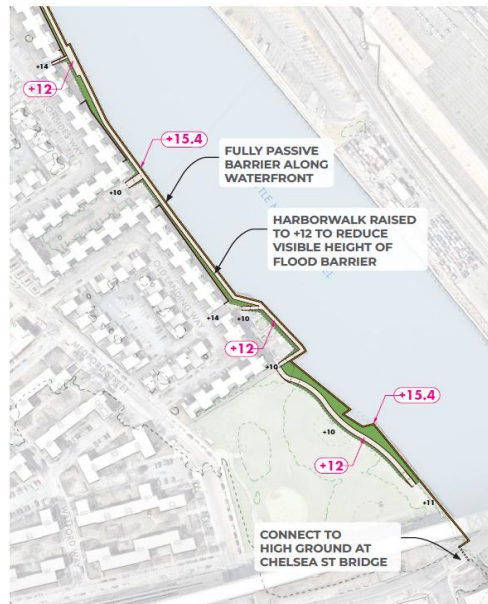
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Easier to construct
- Can be built over time

#### Cons:

- Harder to operate and maintain

### Option 2: Bulkhead Flood Wall



Cost: \$\$\$\$

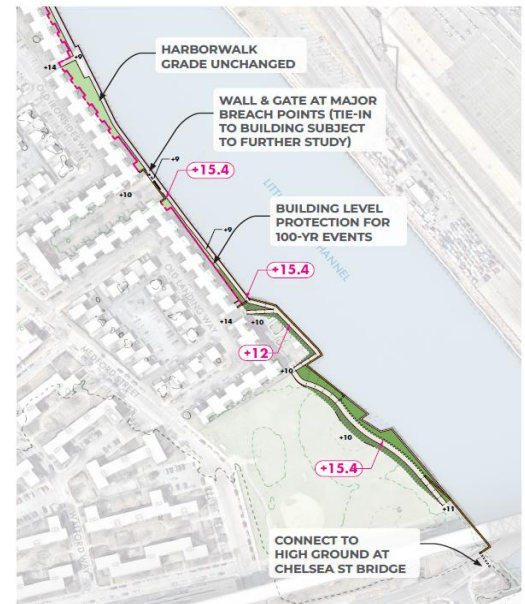
#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Easier to operate and maintain

#### Cons:

- Harder to construct
- Needs to be built all at once

### Option 3: Flood Gates + Property Level



Cost: \$\$

#### Pros:

- Matches existing waterfront character
- Less impact to waterfront views
- Improves access along waterfront
- Can be built over time

#### Cons:

- Harder to operate and maintain
- Harder to construct