Tidal Promenade

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City Dock Tides

Sea Wall (MSL +4.7’)

Mean Sea Level (MSL)

(Data from NOAA Tides Station 8575512, Annapolis, MD. 2016)
City Dock Tides

Sea Wall (MSL +4.7’)

MHHW (MSL + 0.71’)

MLLW (MSL - 0.72’)

(Data from NOAA Tides Station 8575512, Annapolis, MD. 2016)
City Dock Tides

- Sea Wall (MSL +4.7’)
- HAT (MSL + 1.22’)
- LAT (MSL - 1.34’)

(Data from NOAA Tides Station 8575512, Annapolis, MD. 2016)
City Dock Tides

Max. (MSL +6.44') 9/19/2003
Sea Wall (MSL +4.7')

(Data from NOAA Tides Station 8575512, Annapolis, MD. 2016)
Tidal Promenade

Precedent
Roberto Burle Marx - Copacabana promenade, Rio de Janeiro
Andropogon - U.S. Coast Guard HQ
Tidal Promenade

Design Goals

1. Protect City Dock from 3’ sea level rise (2050) and 7’ storm surge (Isabel)
2. Use plantings and forms to mimic coastal ecologies
3. Improve pedestrian experience of City Dock
Typology of Flood Resilience

Seating

Garden Wall

Seating Planter

Flood Proofing
1 - Market Plaza & Splashpad
2 - Outdoor Dining
3 - Sailing Plaza
4 - Urban Beach
5 - Brackish Marsh
6 - City Dock Lawn
7 - Flag Circle
8 - Kunta Kinte Memorial
9 - Promenade
Flood Resilience

HAT +3'

Seawall
High Seawall
Flood Resiliency

HAT +10'

Raise
Flood Proof
Parking Spaces

Overall: 370 to 174
47% retained
2050 Storm Surge