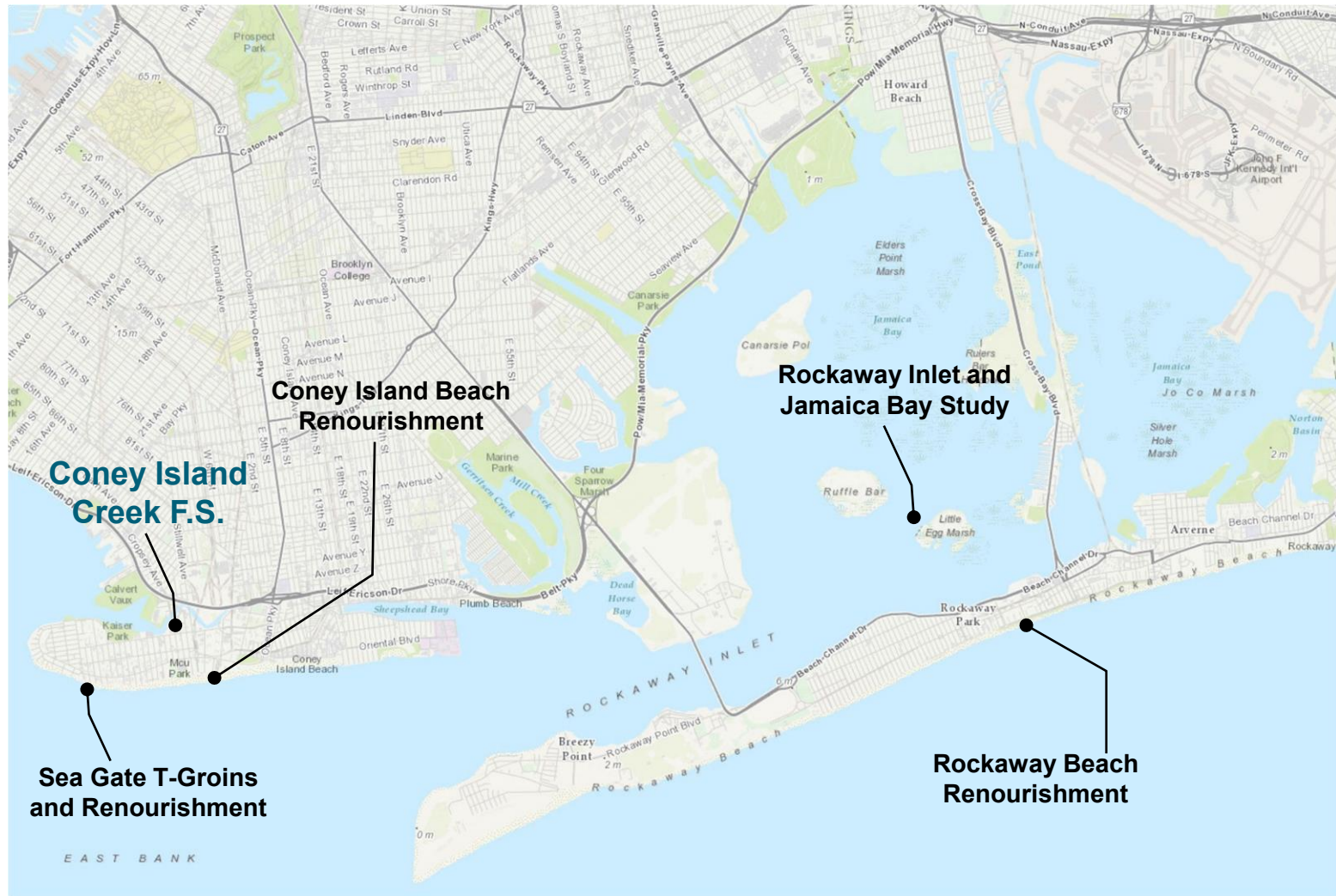


CONEY ISLAND CREEK RESILIENCY STUDY



Roni Deitz
 **ARCADIS**

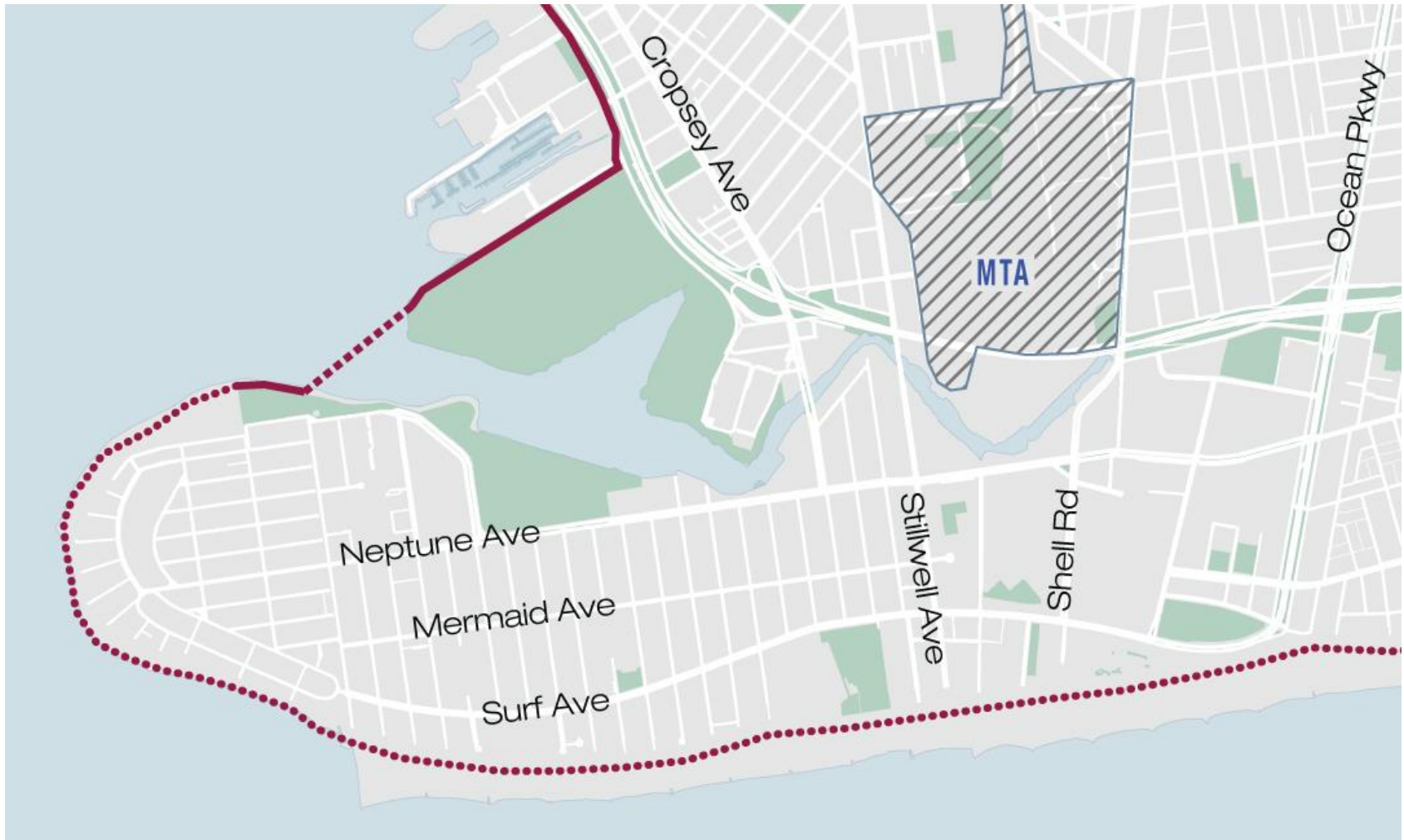
Post Hurricane Sandy Regional Improvements



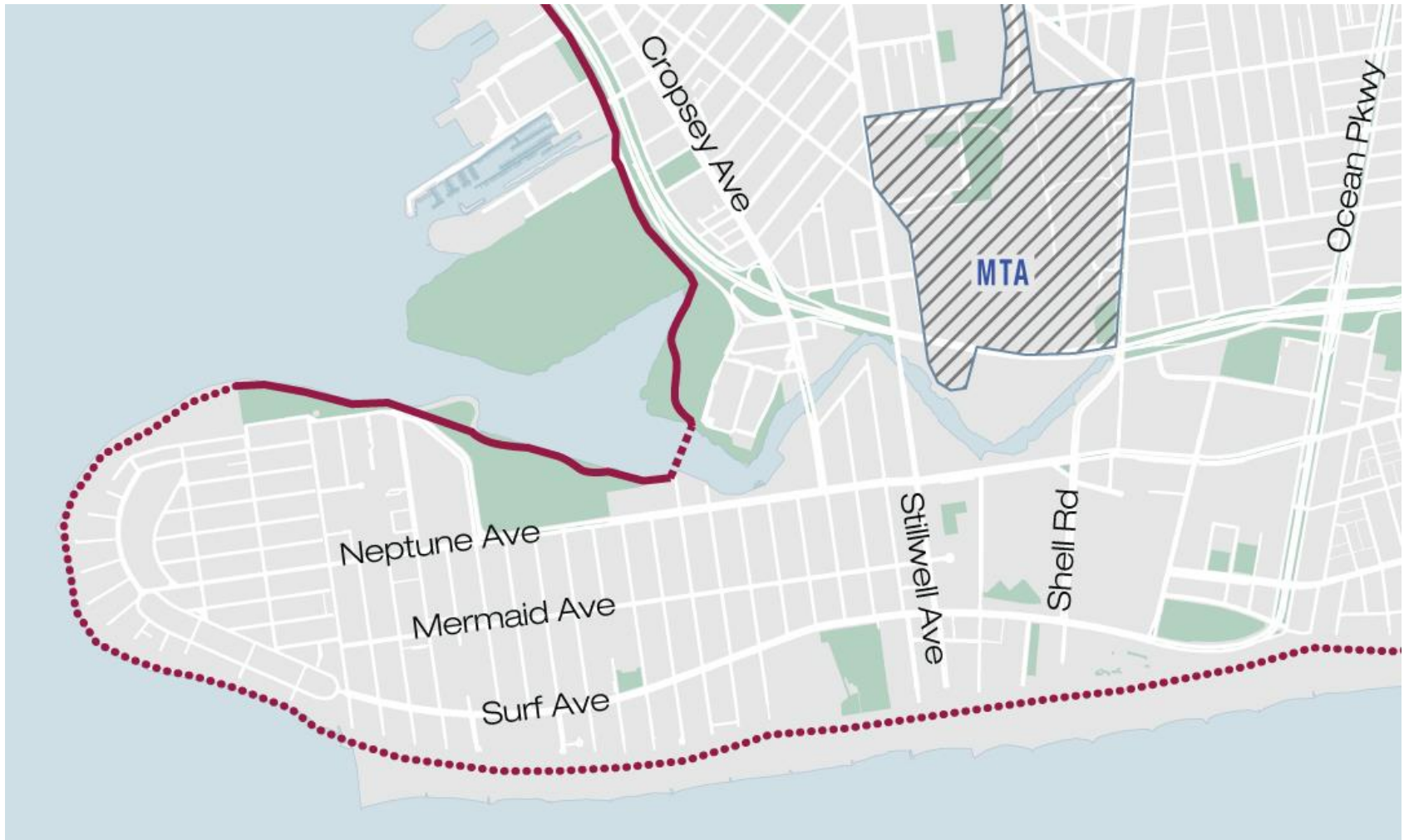
Feasibility Study Goals

- During Hurricane Sandy, Coney Island Creek was main source of inundation (“backdoor” flooding)
- Southern Brooklyn Initiative #5: Feasibility of Tidal Barrier + Wetlands
 - Integrate **hydrological management** strategies that would prevent and mitigate upland flooding around Coney Island Creek
 - Improve **waterfront open space**
 - Strengthen **connections between neighborhoods**
 - Support **economic development** in surrounding areas

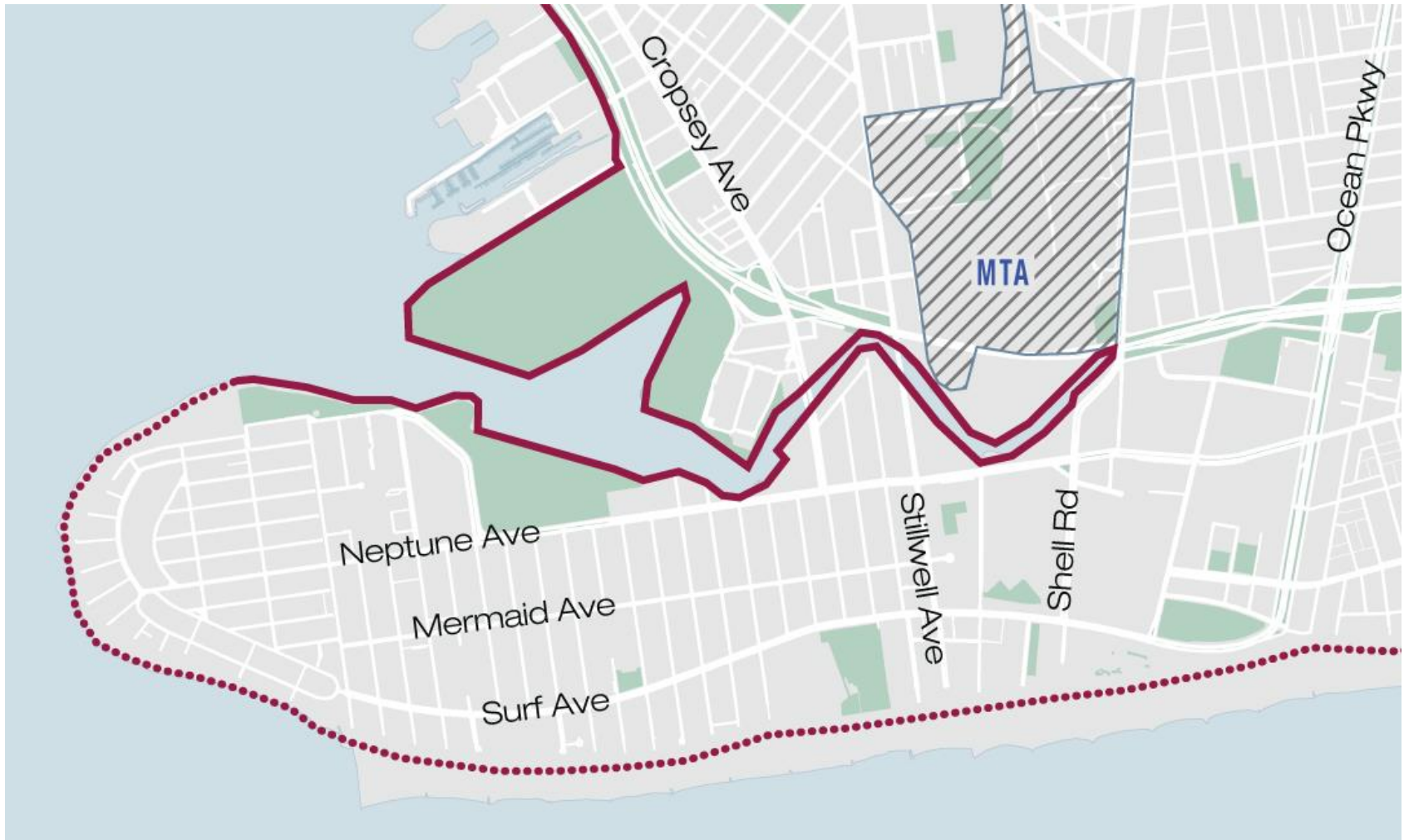
Flood Protection Alignment at Calvert Vaux



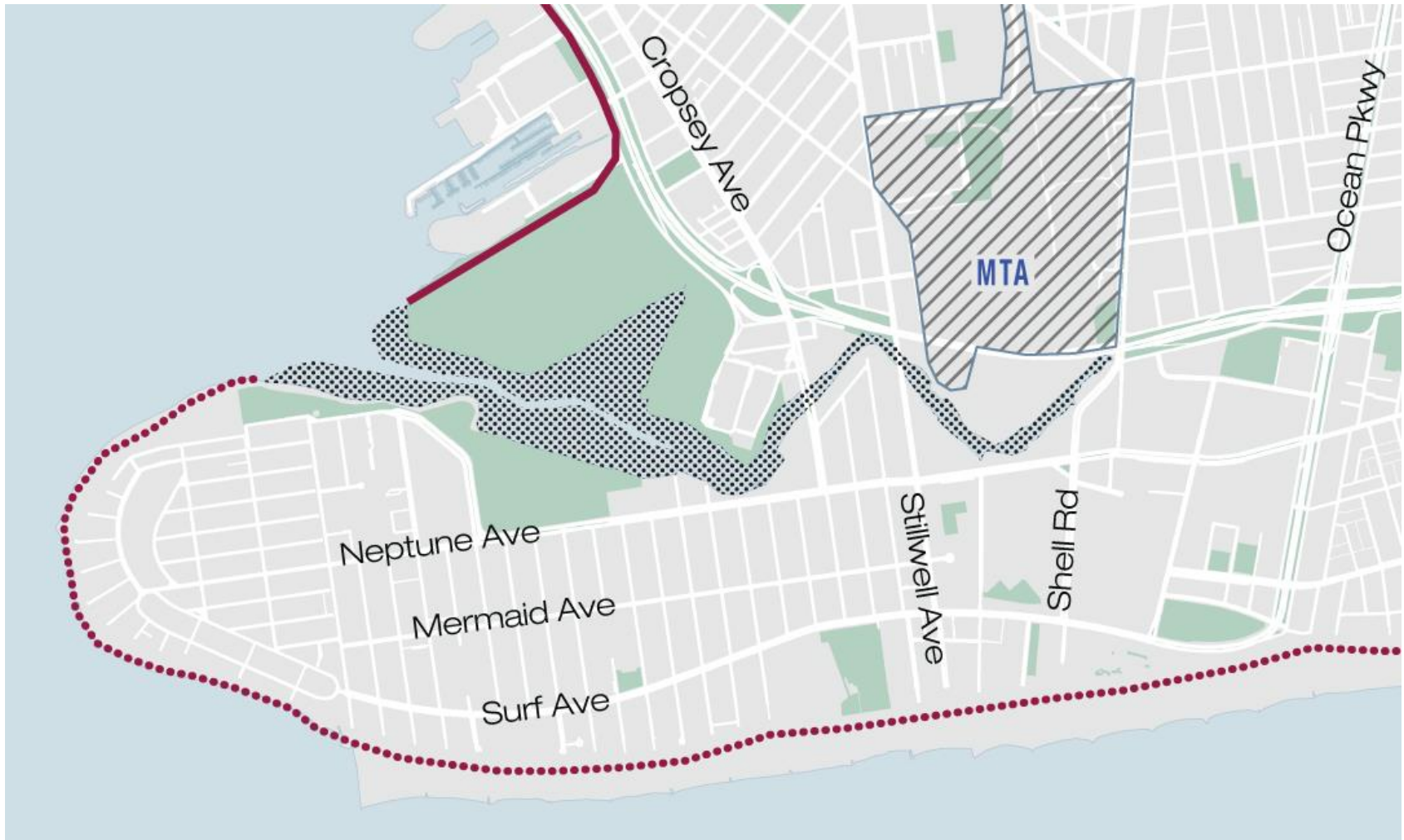
Flood Protection Alignment at Six Diamonds



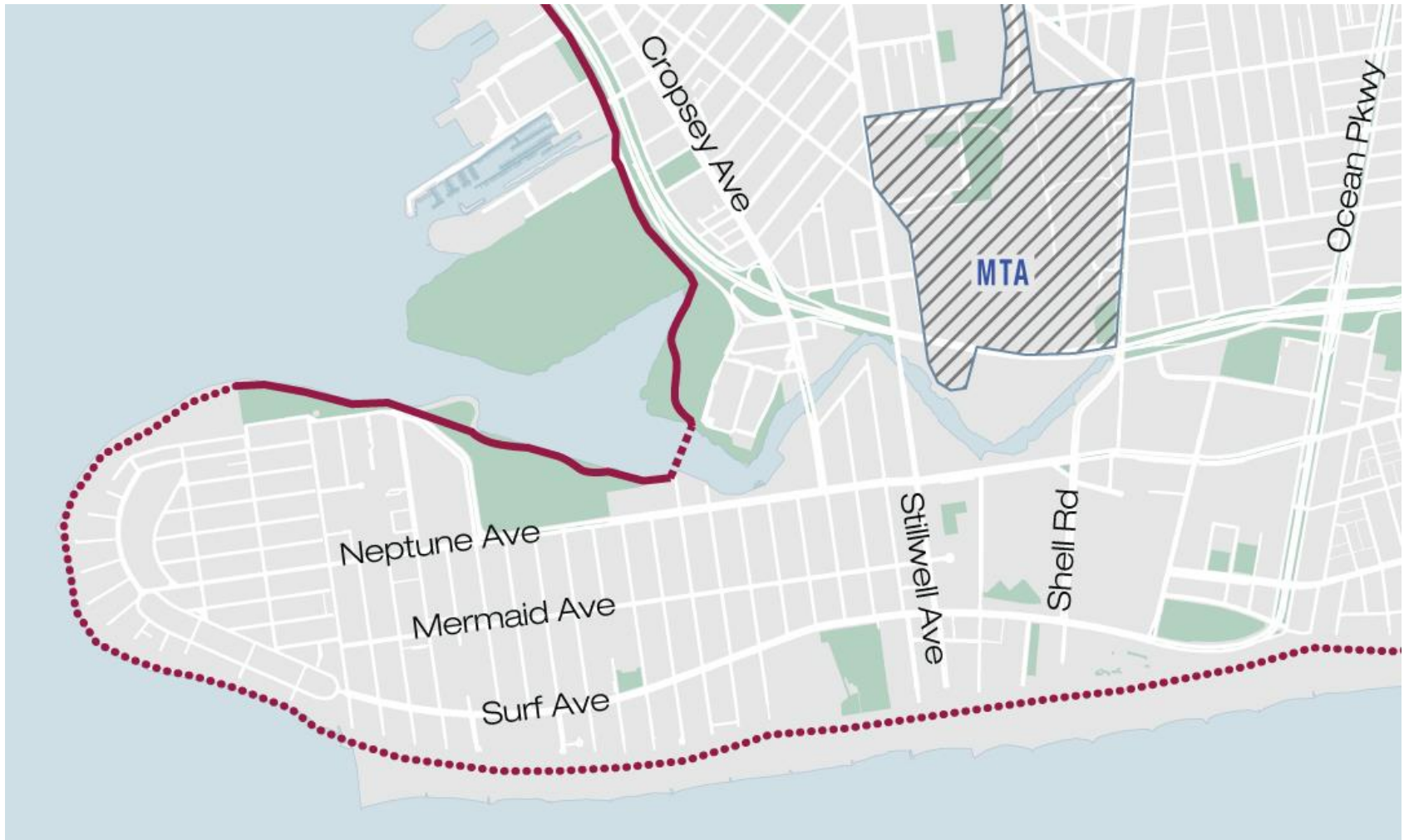
Flood Protection Alignment along the Shoreline



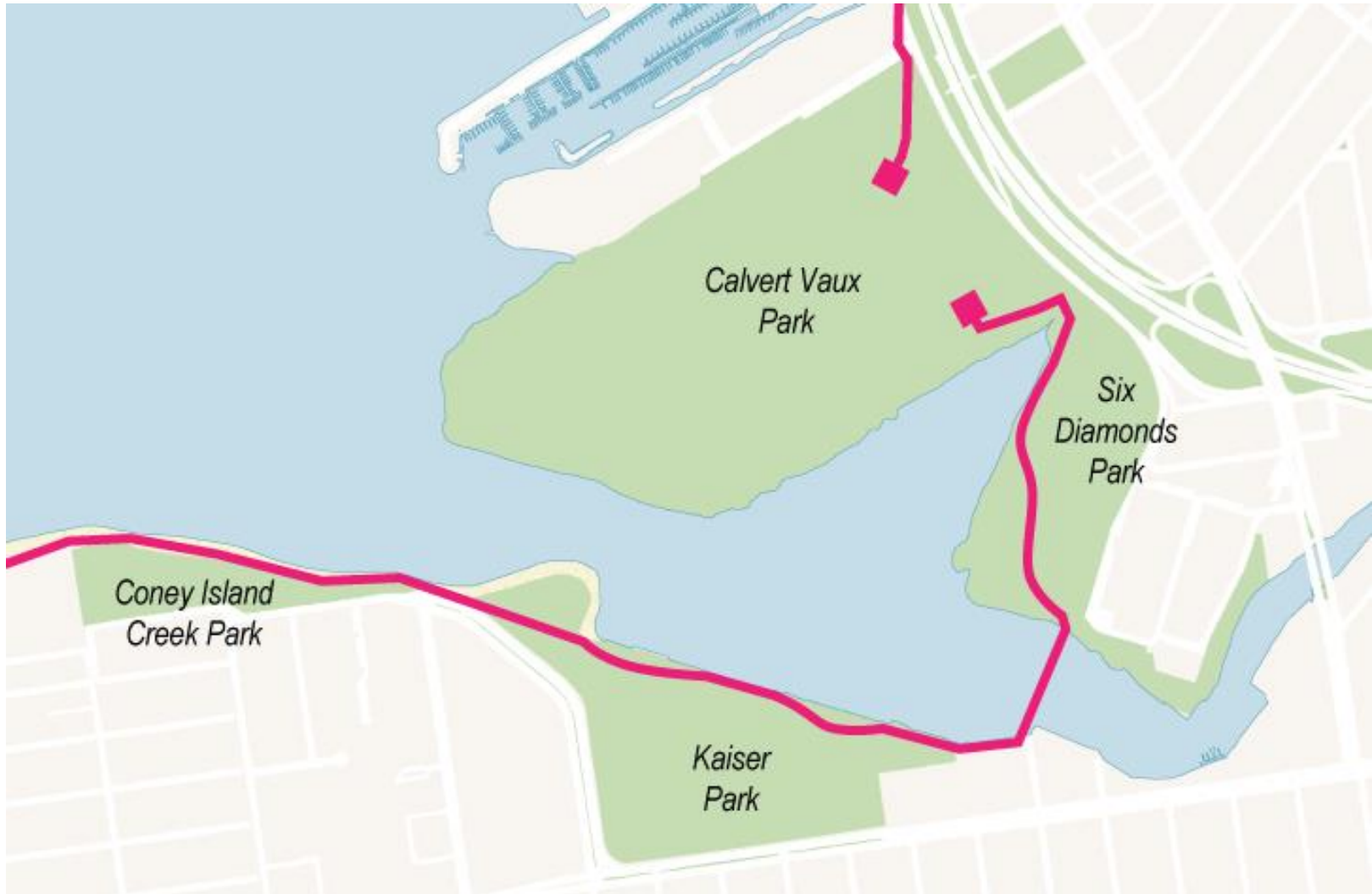
Flood Protection as Wetlands + Recontouring



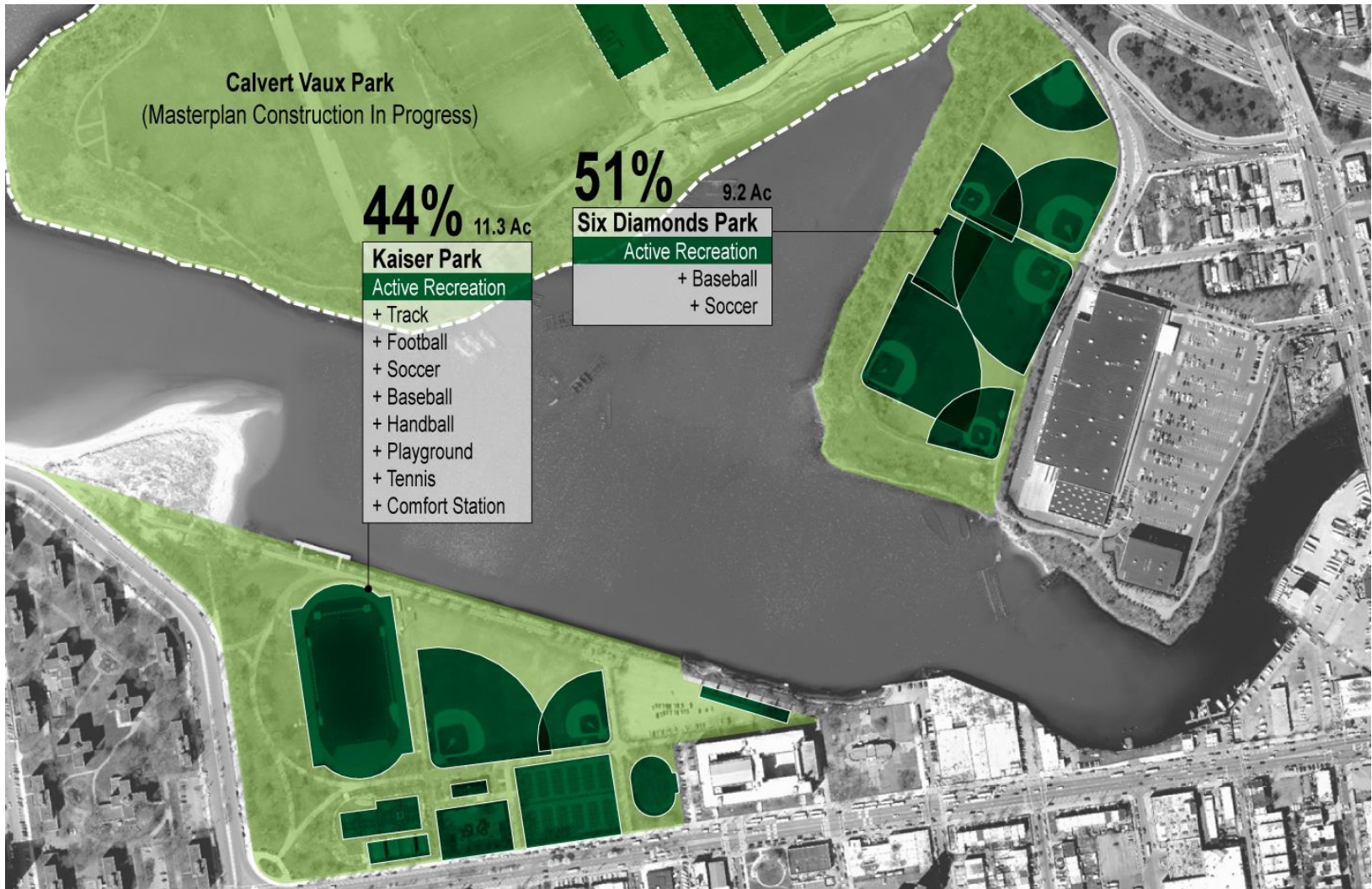
Flood Protection Alignment at Six Diamonds



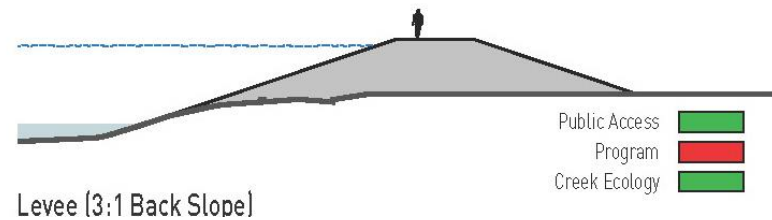
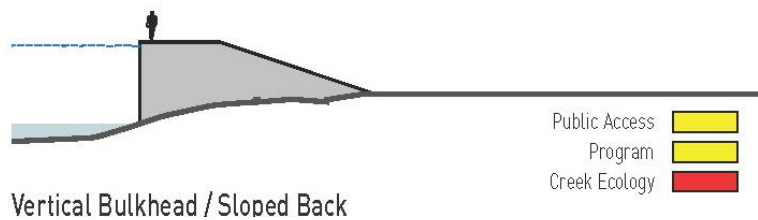
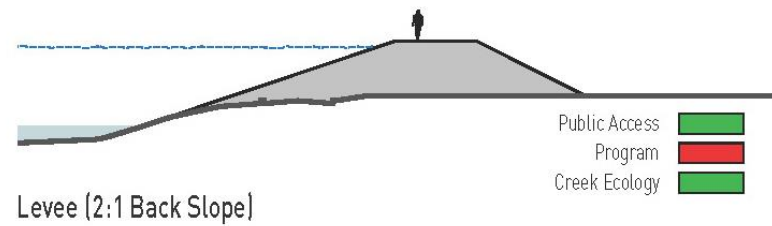
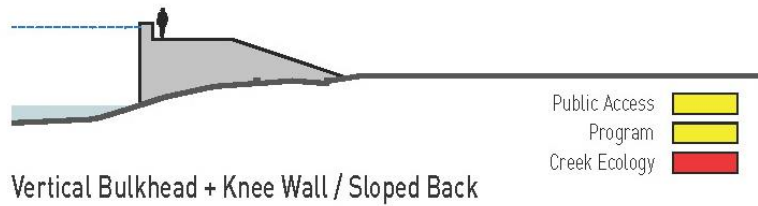
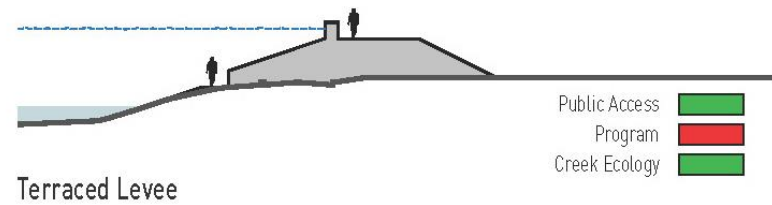
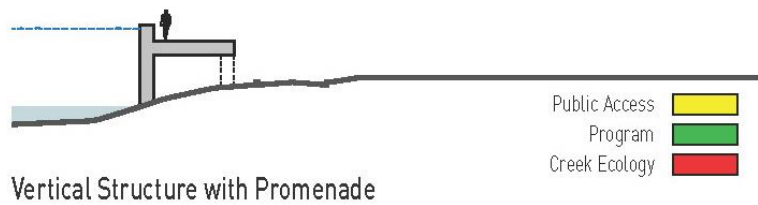
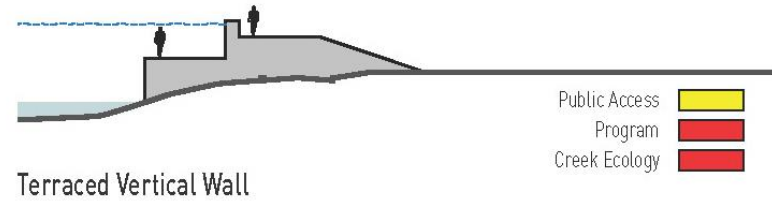
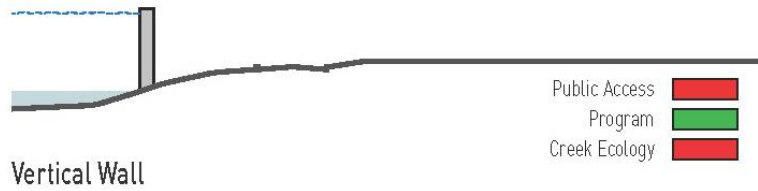
Flood Protection Alignment in Parkland



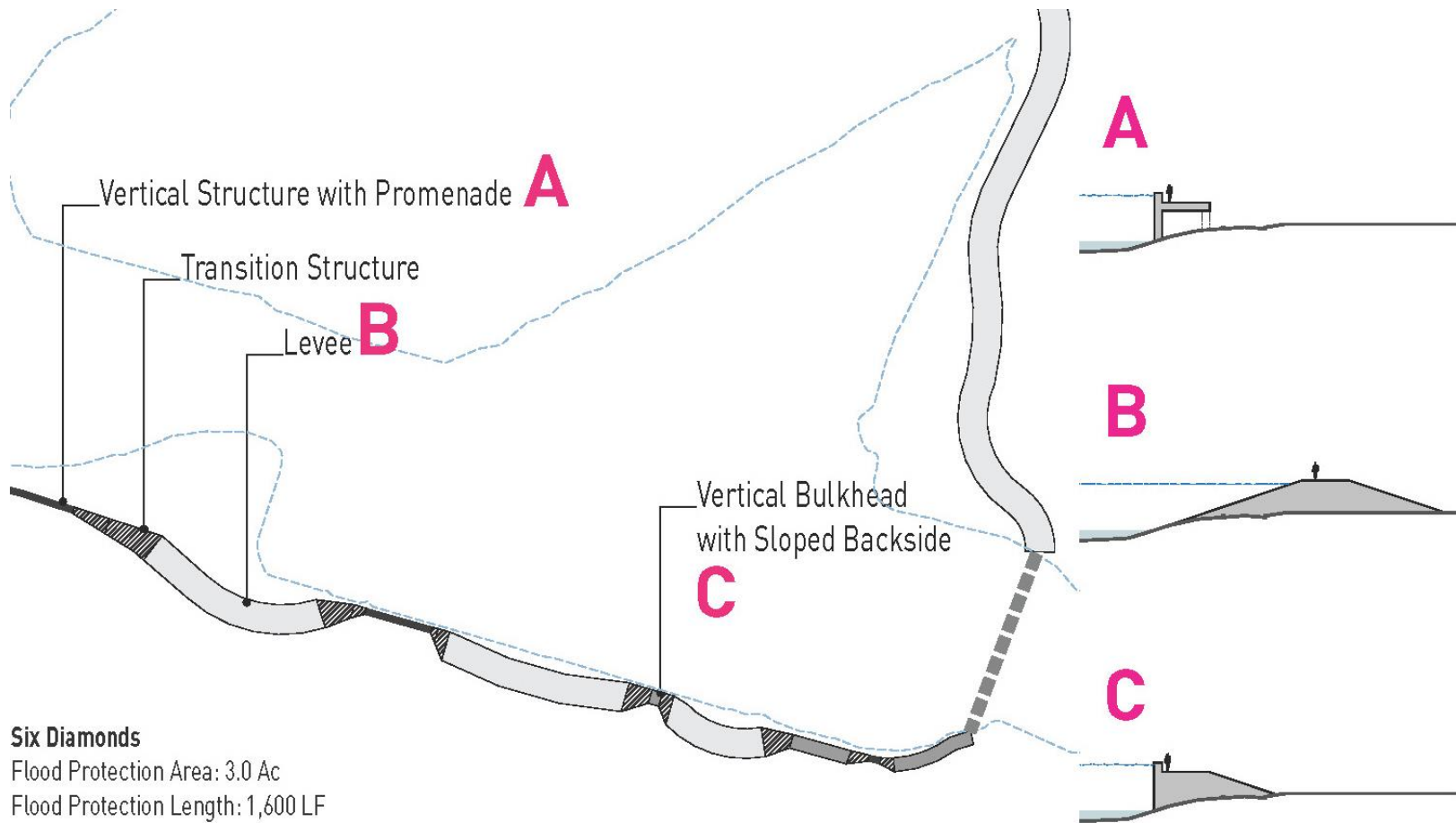
Major Creek Parks: Existing Active Space



Flood Protection “Kit of Parts”



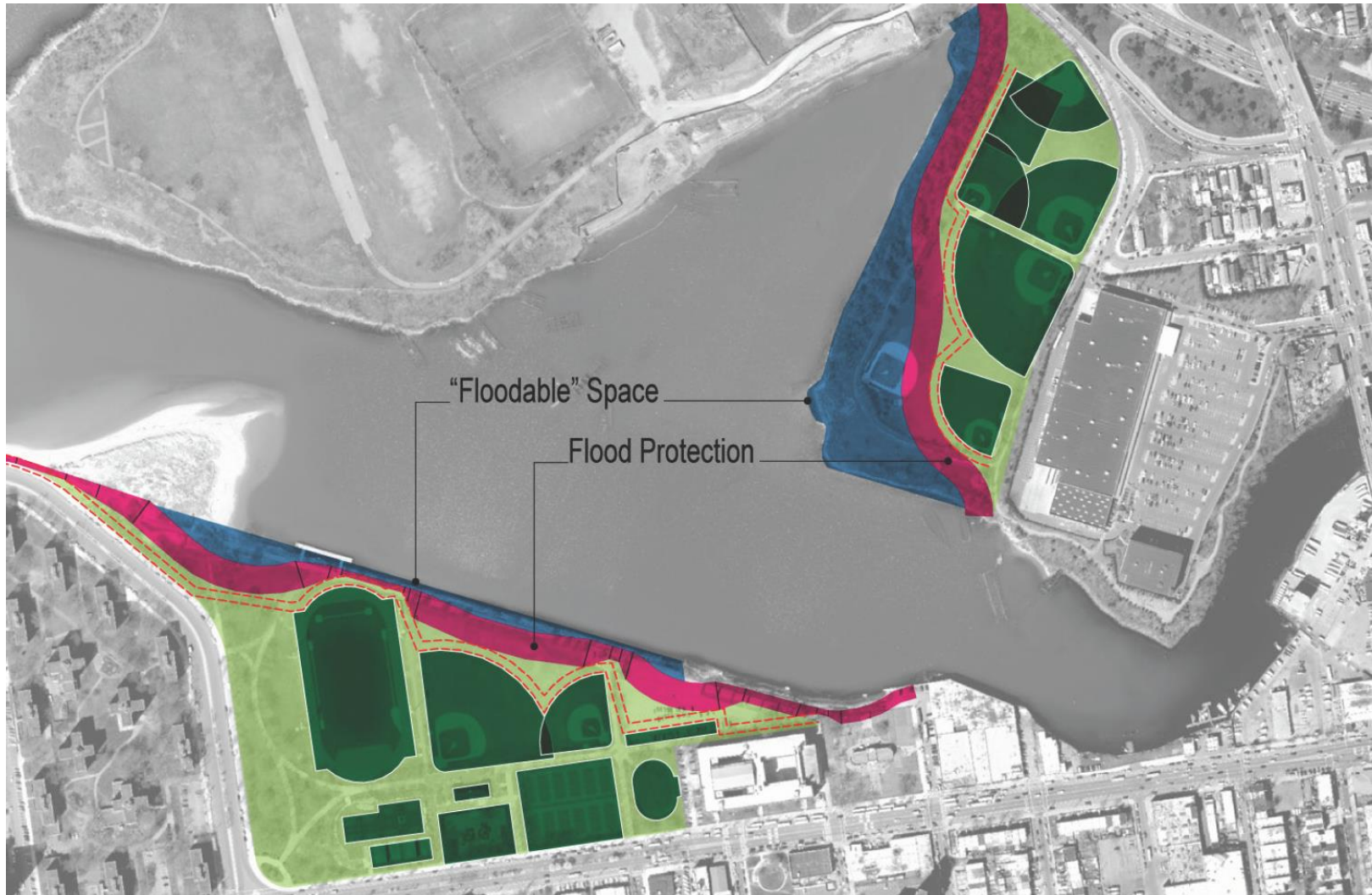
Flood Protection Typologies



Six Diamonds
Flood Protection Area: 3.0 Ac
Flood Protection Length: 1,600 LF

Kaiser Park
Flood Protection Area: 3.1 Ac
Flood Protection Length: 2,400 LF

Parks with Integrated Flood Protection



Making the Best Use of Floodable Space



Maritime Forest / Shrubland



Beach / Dune



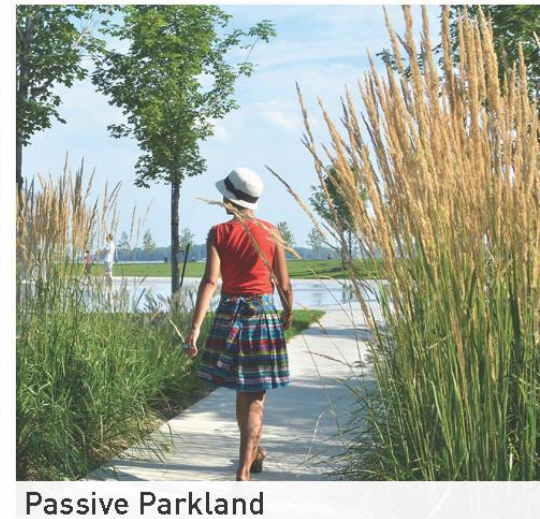
Fishing



Salt Marsh

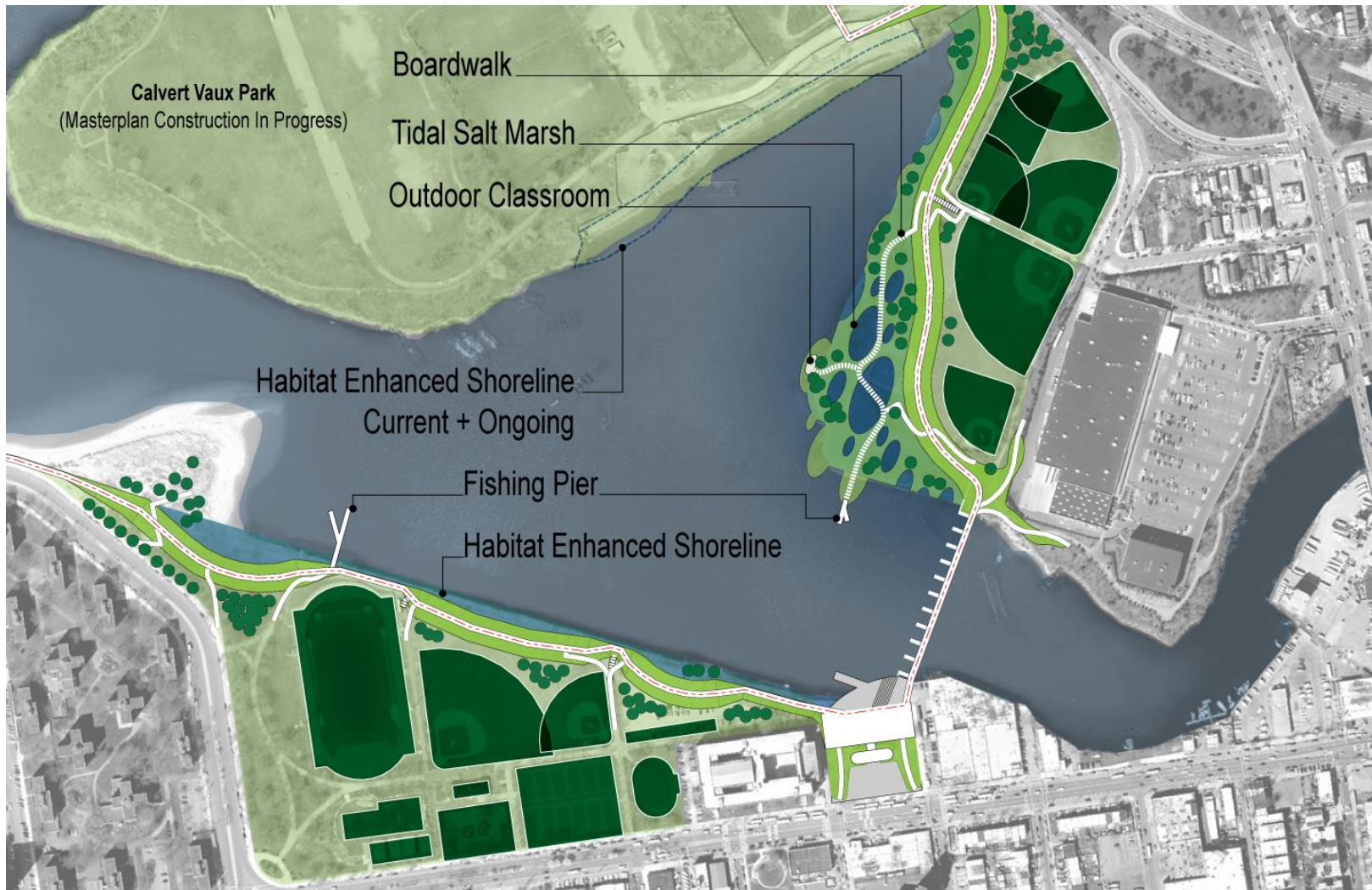


Boat Launch



Passive Parkland

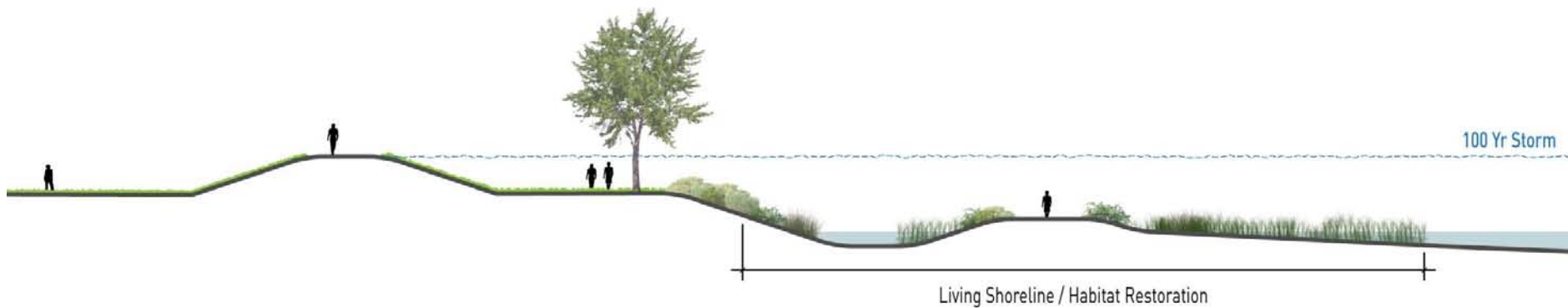
Integrating Protection, Parkland and Ecology



Six Diamonds Section



Six Diamonds Park - Existing Condition

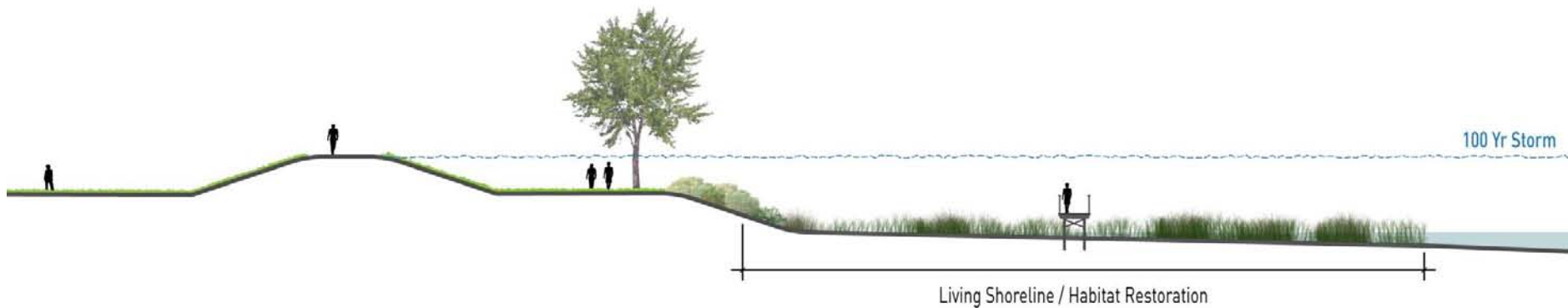


Six Diamonds Park - Proposed Condition

Six Diamonds Section

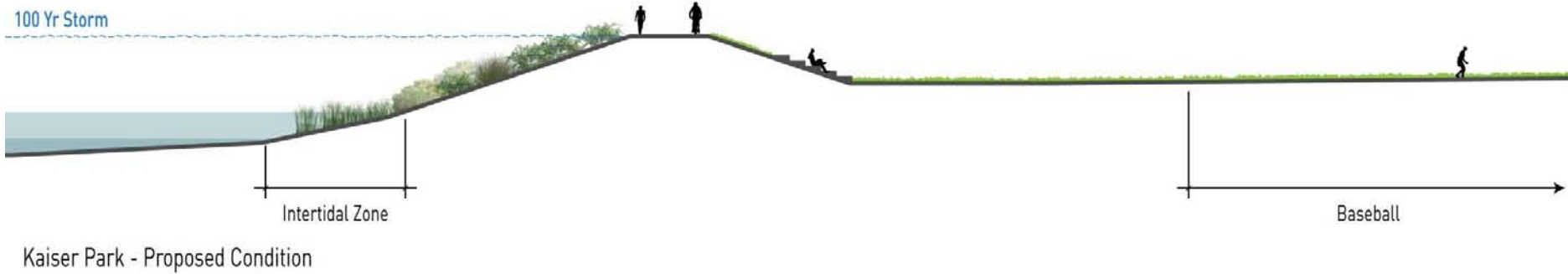
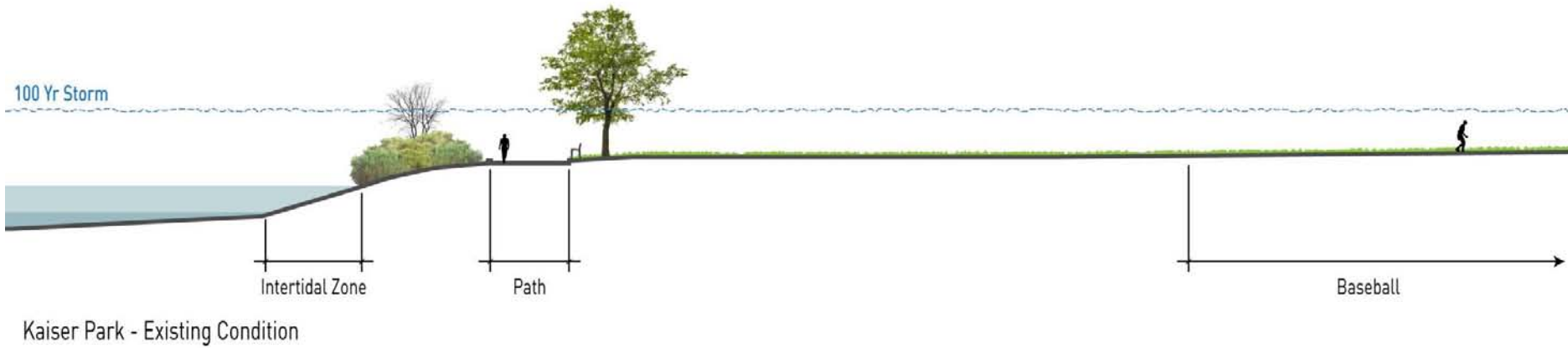


Six Diamonds Park - Existing Condition

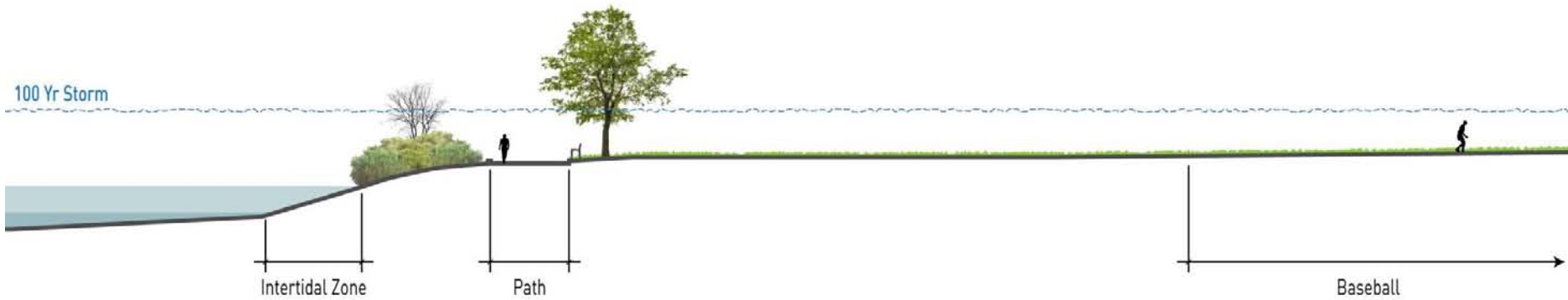


Six Diamonds Park - Proposed Condition (Alternate)

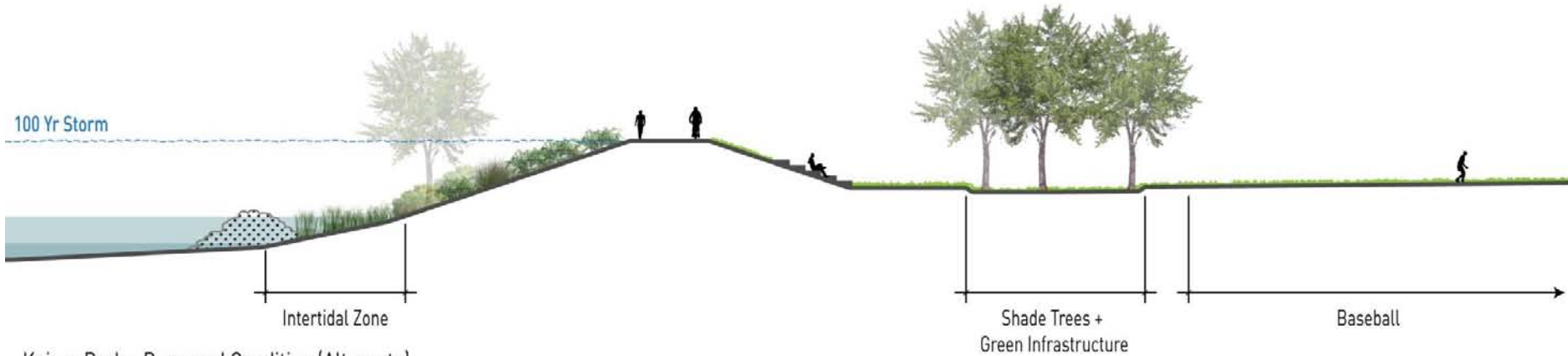
Kaiser Park Section



Kaiser Park Section



Kaiser Park - Existing Condition

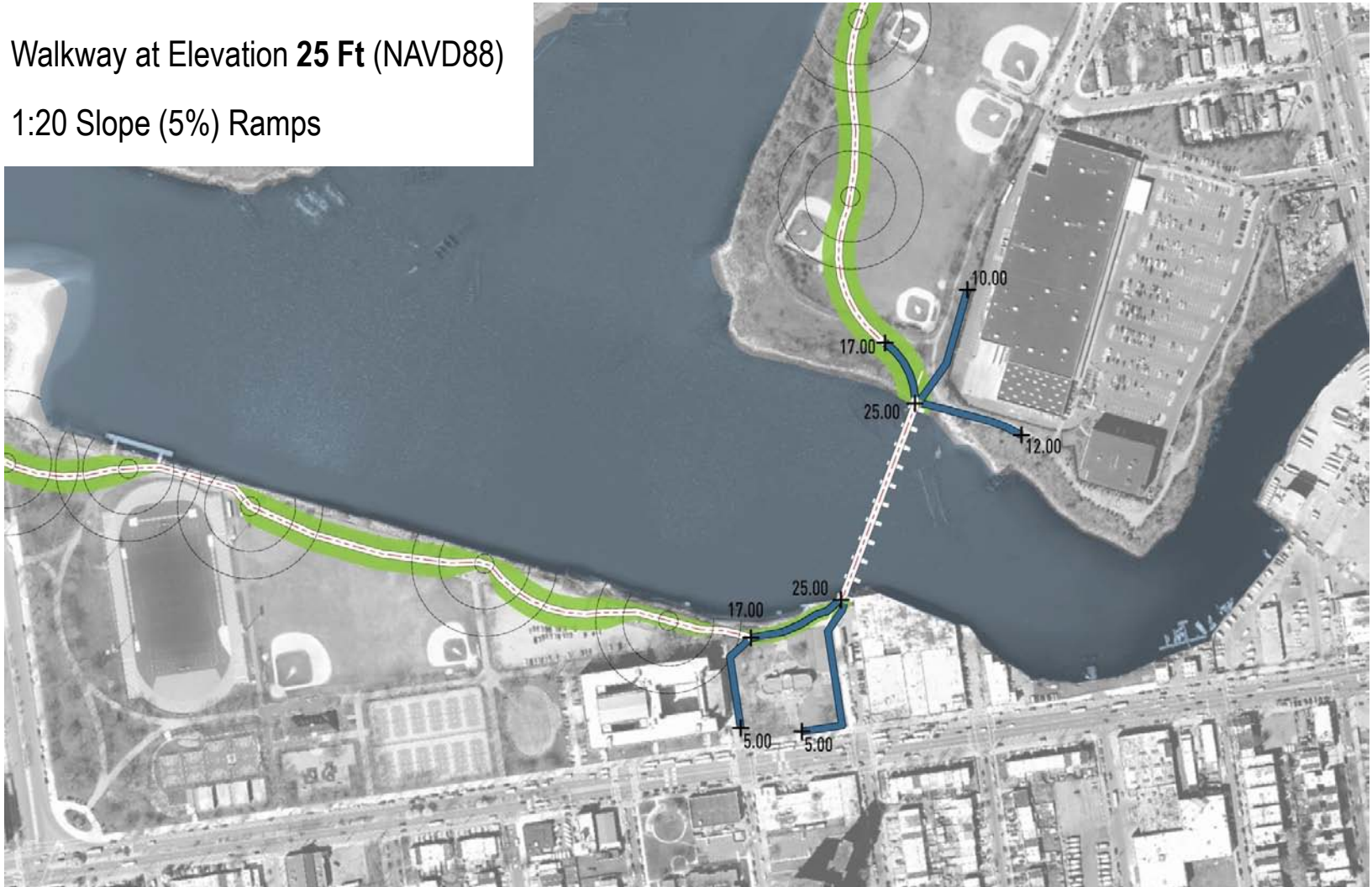


Kaiser Park - Proposed Condition (Alternate)

Access to Pedestrian Crossing

Walkway at Elevation 25 Ft (NAVD88)

1:20 Slope (5%) Ramps



Coney Island Creek: Resilient Parkland

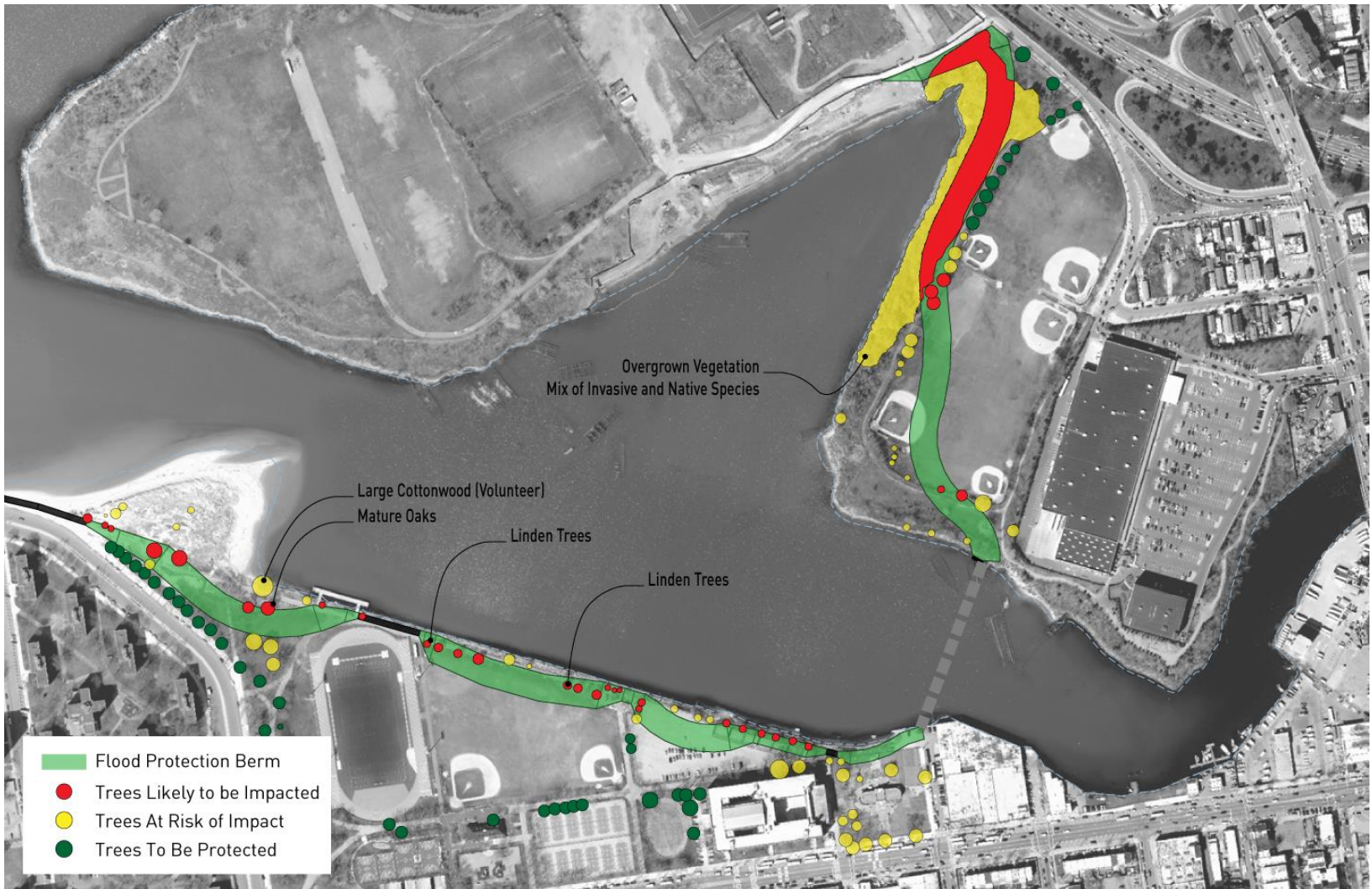


Rendering: Arcadis and Mathews Nielsen Landscape Architects

Calvert Vaux Park: Flood Protection (Master Plan)



Impact to Trees



Potential Tree Planting Areas

