

# LIVING LONG WHARF:

## Coastal Resiliency, Flood Protection, and Responsible Economic Planning



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### Introduction to Panel

The Long Wharf Responsible Growth Plan aims to support the social and economic development of the Long Wharf District in New Haven through its strategic focus on coastal resiliency, progressive economic strategies and community engagement. This session will demonstrate how flood protection measures can be incorporated with sustainable development plans and offer big picture solutions by starting with incremental steps.

Donna Hall, Senior Project Manager, New Haven City Plan Department

Hande McCaw, PE, Senior Project Manager/Coastal Engineer, GZA

Eric C.Y. Fang, AIA, AICP, LEED AP, Principal at PERKINS EASTMAN

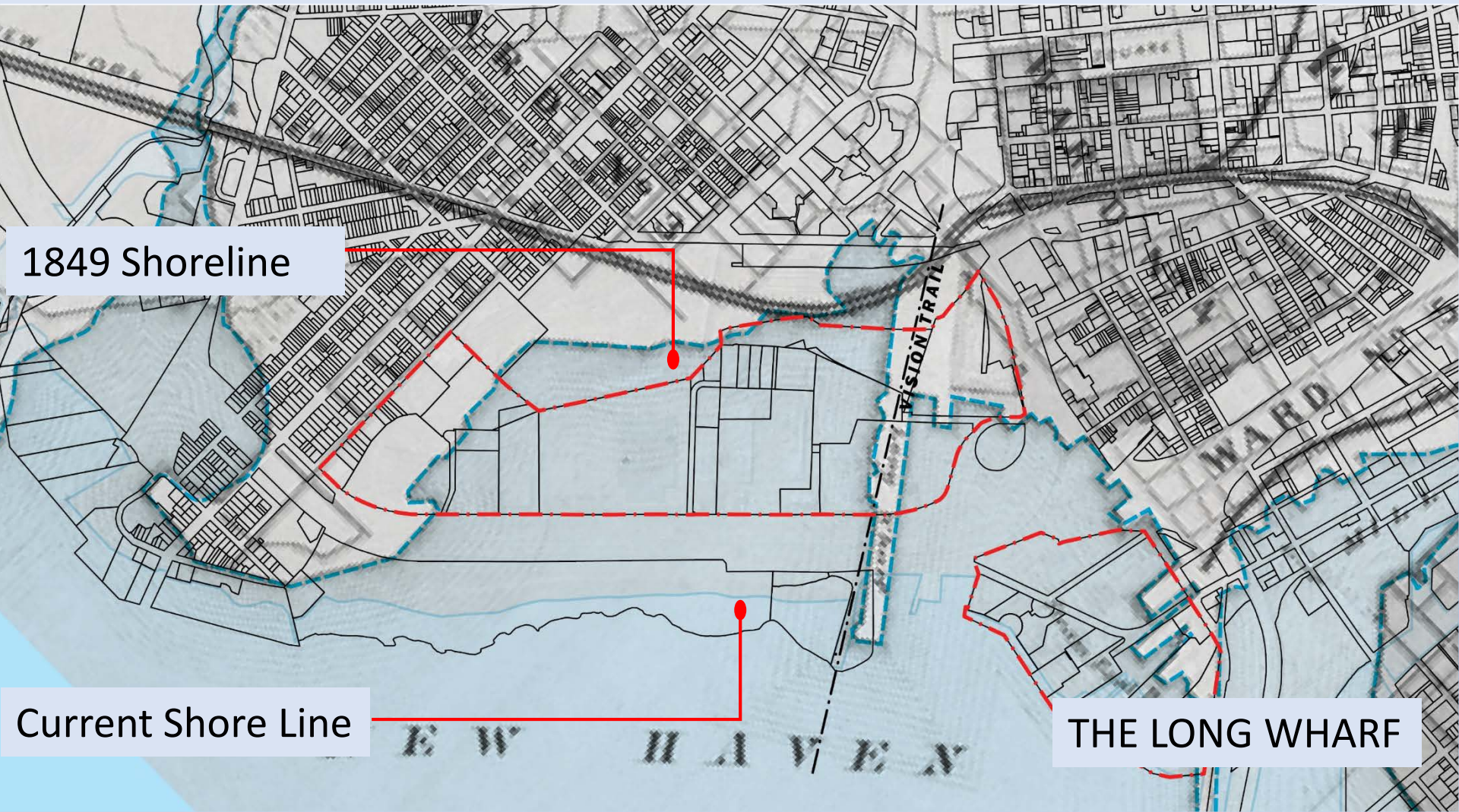


# Context:





# History:



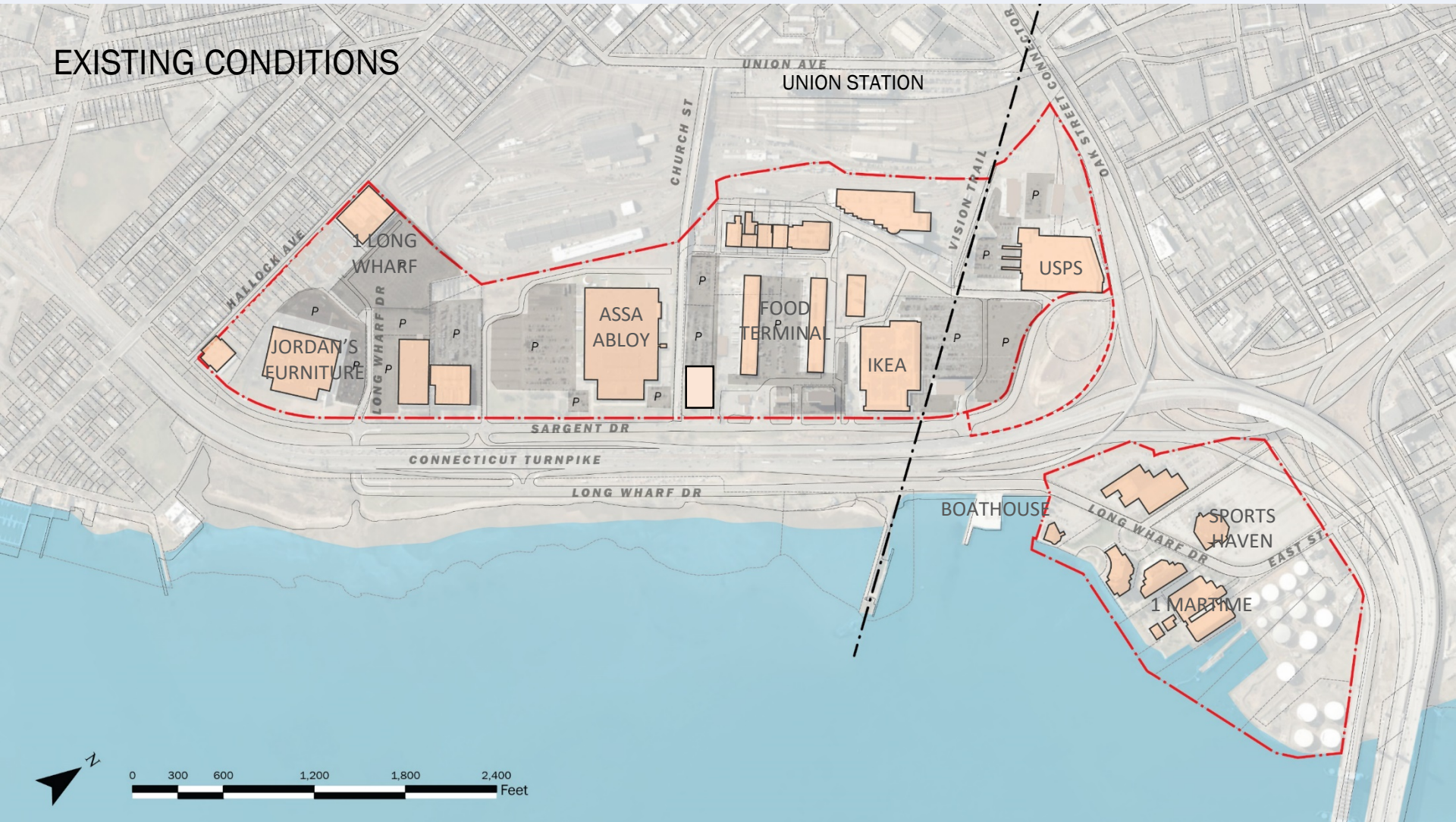


# Potential:





# Existing conditions





# Assets and Character:















Yale  
NewHaven  
**Health**  
Yale New Haven  
Hospital

**ASSA ABLOY**









# The Challenge:

## 4-Part Strategy:

- Increase Capacity:

Install storage and provide more conveyance.

- Green Infrastructure:

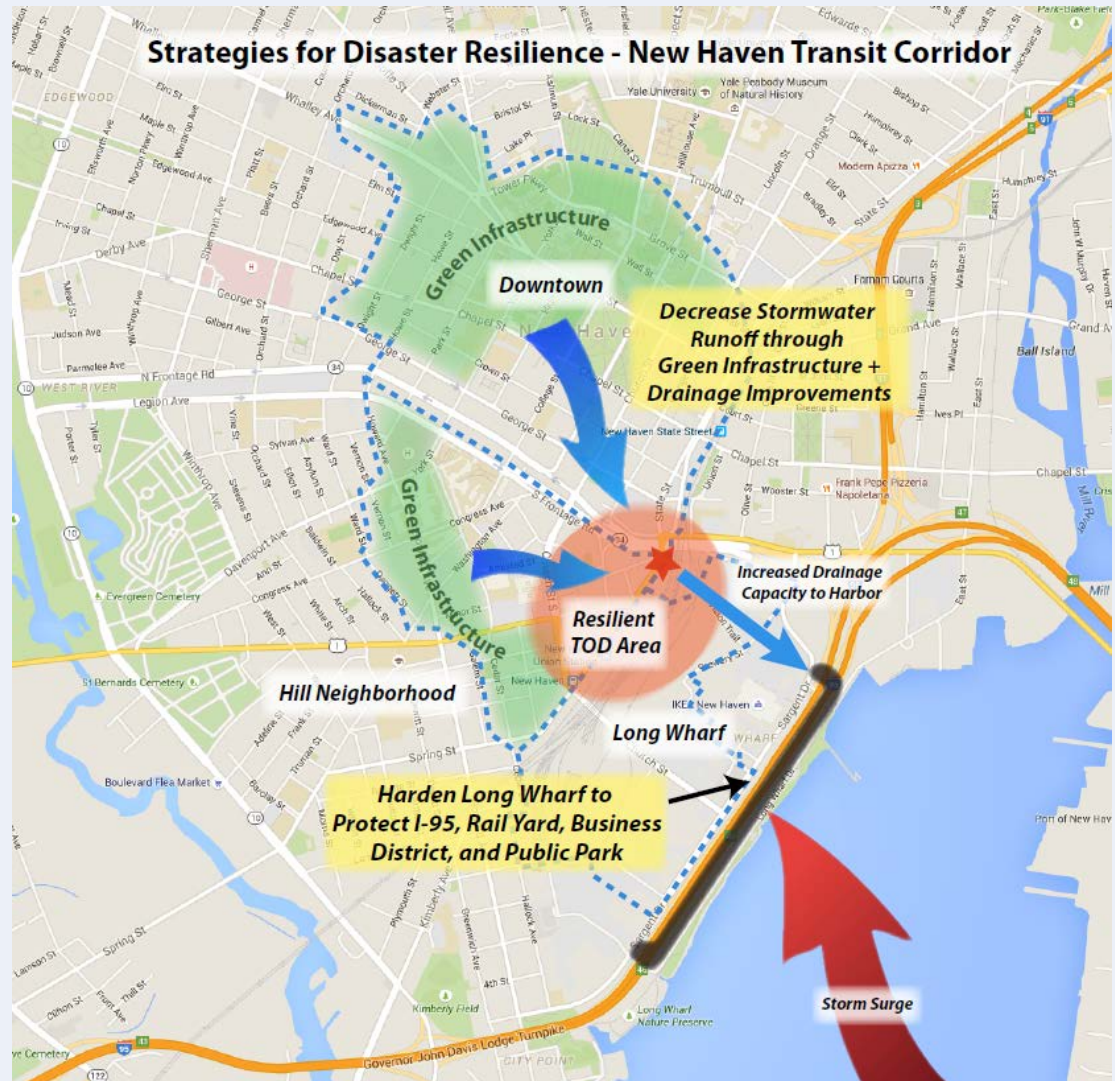
Reduce flow to problem areas by capturing and infiltrating rain where it falls.

- Flood Protection System:

Prevent storm surge from entering low-lying areas of concern.

- Living Shoreline:

Protect eroding shorelines while maintaining and improving natural habitat.





# The Team:

AGENCY/COMPANY	ROLE
City of New Haven: City Plan, Economic Development	Outreach, Project Management
City of New Haven Parks, Engineering, TTP	Technical Support, Project Management
Perkins Eastman (Long Wharf Plan)	Plan/Design/Strategic Implementation
Langan (Long Wharf Plan)	Transportation/Stormwater
RES/Appleseed (Long Wharf Plan)	Strategic Economic Plan and Analysis
GZA	Long Wharf Flood Protection Study
FEMA	Long Wharf Park Restoration
Army Corps of Engineers	New Haven Harbor Navigation Improvement Study Long Wharf Flood Wall FS