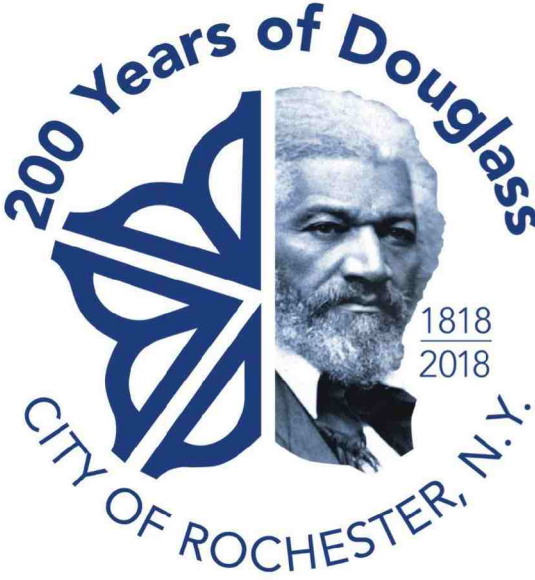




West River Wall – Corn Hill Segment

PRELIMINARY & FINAL DESIGN

Public Meeting
November 7, 2018



This document was prepared for the New York State Department of State with funds provided under Title 11 of the Environmental Protection Fund

AGENDA

- Introductions
- Project Overview
- Where We Left Off
- Adjacent Initiatives
- What We Have Been Doing
- Where We Are Headed
- Share Your Input
- Next Steps

Introductions

PROJECT TEAM



City of Rochester, NY

TECHNICAL ADVISORY COMMITTEE
COMMUNITY ADVISORY COMMITTEE



BERGMANN

ARCHITECTS ENGINEERS PLANNERS

W ARCHITECTURE &
LANDSCAPE ARCHITECTURE, LLC



Marques & Associates, P.C.
Land Surveying and Engineering

L Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL



WEST RIVER WALL PRELIMINARY & FINAL DESIGN

Introductions

STAKE HOLDERS & PARTNERS

- NYS Department of State
- NYS Canal Corporation
- NYS Department of Environmental Conservation
- NYS Historic Preservation Office
- Monroe County (Pure Waters, Traffic)
- United States Army Corps of Engineers
- Federal Emergency Management Agency (FEMA)
- NYS Department of Transportation
- Corn Hill Neighborhood Association



Project Overview

PROJECT OBJECTIVES

- Improve/restore flood protection
- Provide visual and physical access to the Genesee River
- Economic and neighborhood revitalization
- Create connections to the neighborhoods
- Enhance connections to the popular Genesee Riverway Trail

CONSISTENCY WITH PRIOR STUDIES & PLANS

- City's Local Waterfront Revitalization Plan (LWRP)
- Corn Hill Waterfront Master Plan
- Corn Hill Community Vision Plan
- Roc the Riverway Plan
- Vacuum Oil Brownfield Opportunity Area Master Plan
- Vacuum Oil BOA Step 3 Implementation Strategy

Where we left off...

2015 Master Plan & Preliminary Wall Plans



2015 WEST RIVER WALL MASTER PLAN

- Combination of wall/earth berm for flood protection
- Visual and physical access to the Genesee River
- Public gathering spaces
- Naturalized portion of shoreline

Legend

- | | | |
|---|--|---------------------------------------|
| 1. Reinforced Wall & Tie Back to Natural Barrier or Berm | 5. Enhanced Intersection at Fitzhugh Place Pedestrian Connection | 9. Activated Space |
| 2. Naturalized Shore Line / Environmental Education Station | 6. Enhanced Intersection at Corn Hill Pedestrian Connection | 10. Tie Up for River Programming |
| 3. Boat Dock | 7. Pedestrian Plaza / Overlook | 11. Plant Large Shade Trees in Median |
| 4. Pedestrian / Bike Path | 8. Informal Grass Amphitheater | |



WEST RIVER WALL | CORN HILL

January 2015 - 50% wall reconstruction plans / 15-20% Trail & Landscape Plans


City of Rochester, N.Y.
 Department of Environmental Services
West River Wall Reconstruction Project
50% Design Drawings
(Not For Construction)
 City Project #12236
 NYSDOS Contract # C007067


 architects // engineers // planners

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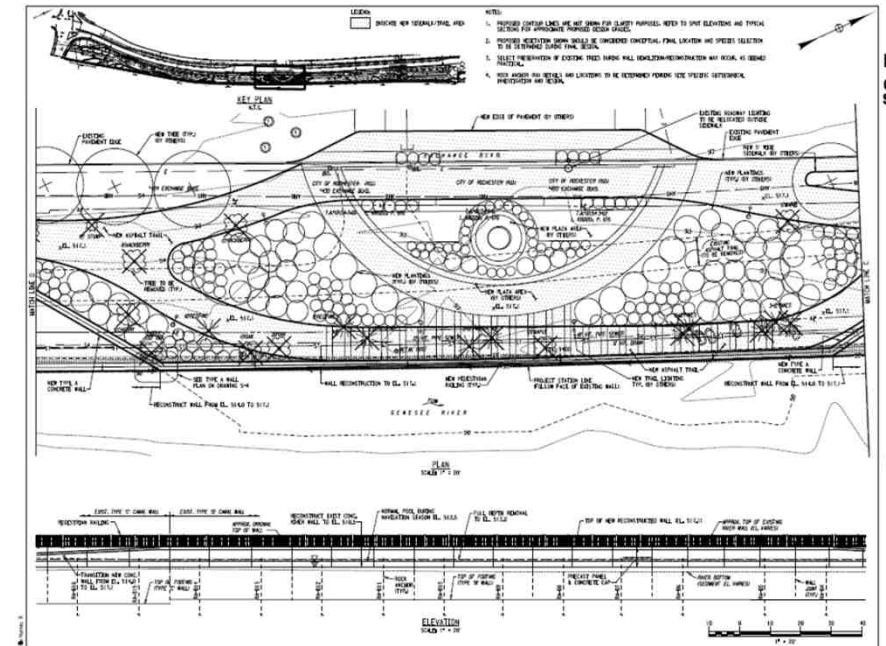


LOCATION PLAN
N.T.S.



OVERALL LOCATION MAP
N.T.S.

CS-1



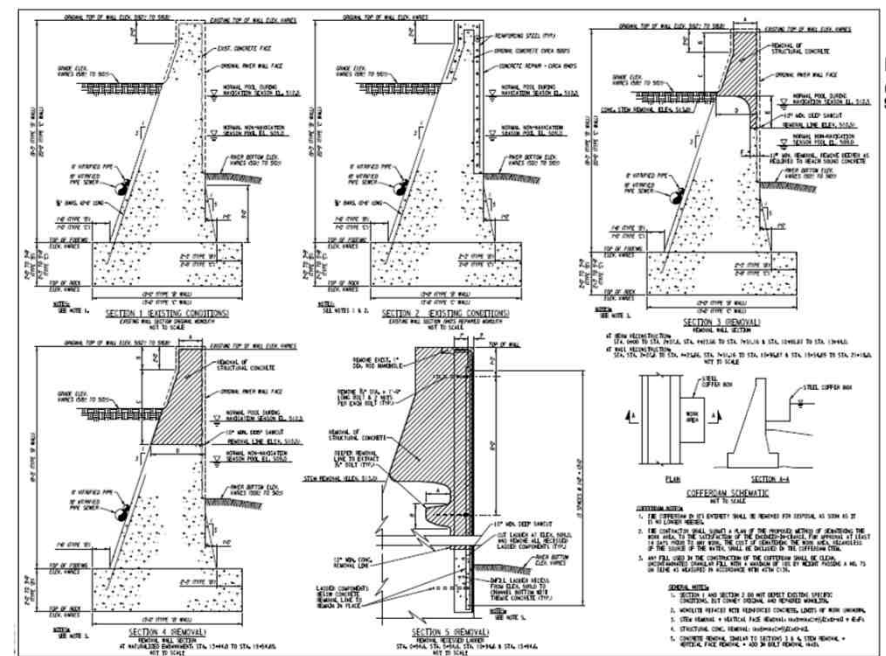
WEST RIVER WALL RECONSTRUCTION
 CITY OF ROCHESTER
 STATE OF NEW YORK

 BERGMANN ASSOCIATES
 architects // engineers // planners

50% DESIGN DRAWINGS
NOT FOR CONSTRUCTION

PROPOSED PLAN
AND ELEVATION - 4

PE-4



WEST RIVER WALL RECONSTRUCTION
 CITY OF ROCHESTER
 STATE OF NEW YORK

 BERGMANN ASSOCIATES
 architects // engineers // planners

50% DESIGN DRAWINGS
NOT FOR CONSTRUCTION

TYPICAL WALL
REMOVAL SECTIONS

S-1

Adjacent Initiatives...

Vacuum Oil BOA

2035 VISION PLAN



Vacuum Oil BOA

2035 VISION PLAN



Parks and Open Space
Master Plan

WEST RIVER WALL PRELIMINARY & FINAL DESIGN

200 100 0 200 400

Vacuum Oil BOA PHOTOSIMS



WEST RIVER WALL PRELIMINARY & FINAL DESIGN



- 3 Focus Areas – Downtown, The South River & High Falls
- \$50M state commitment secured in August
- 12 Initial Projects + Management Entity
- Corn Hill Navigation Resources Earmarked



What We've Been Doing...

Work during past 9 months

Property Ownership

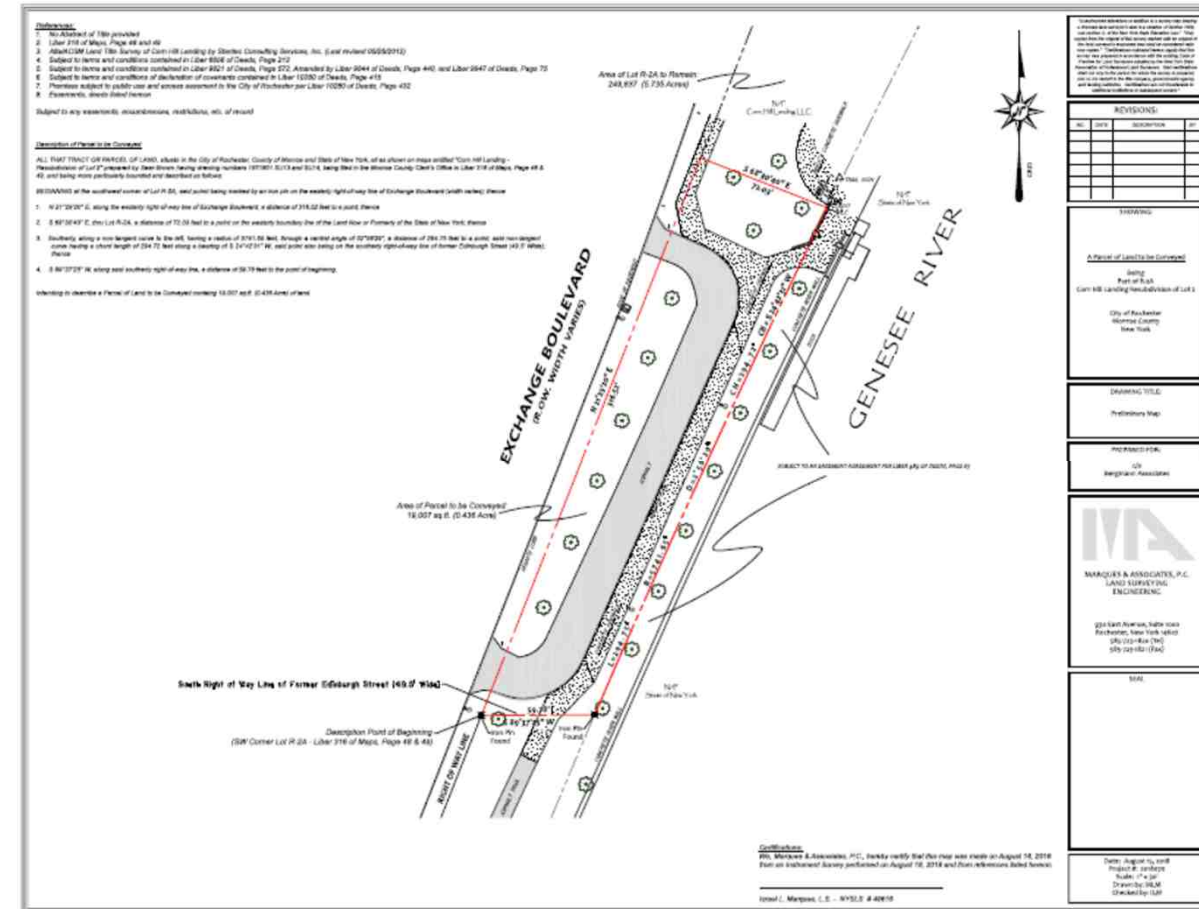


Right-of-Way Coordination

- Mark IV:
 - Several meetings held over the summer - Mark IV is amenable to improvements
 - Exploring modifications to current easement language to allow construction
 - Some additional soil testing needed

- NYS Canal Corporation:

- Working on a master funding agreement with access and maintenance conditions



Environmental Sampling & Testing

- 22 soil borings (8 also used also for structural information)
- 10 additional probes to pin-point an area of concern
- 10 groundwater monitoring wells
- Locations determined according to historic site uses (former coal yard, railroad, lead works, gas station)
- Laboratory analysis of both soil and ground water



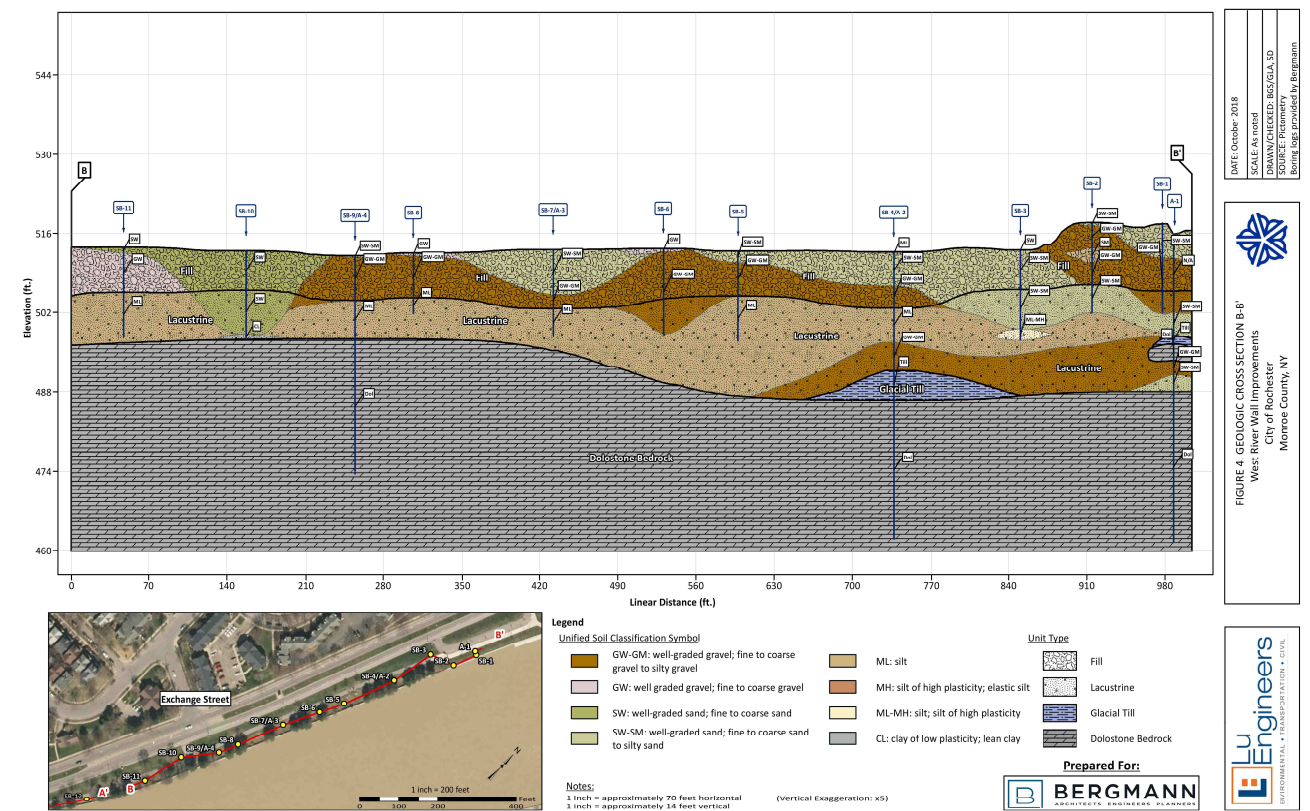
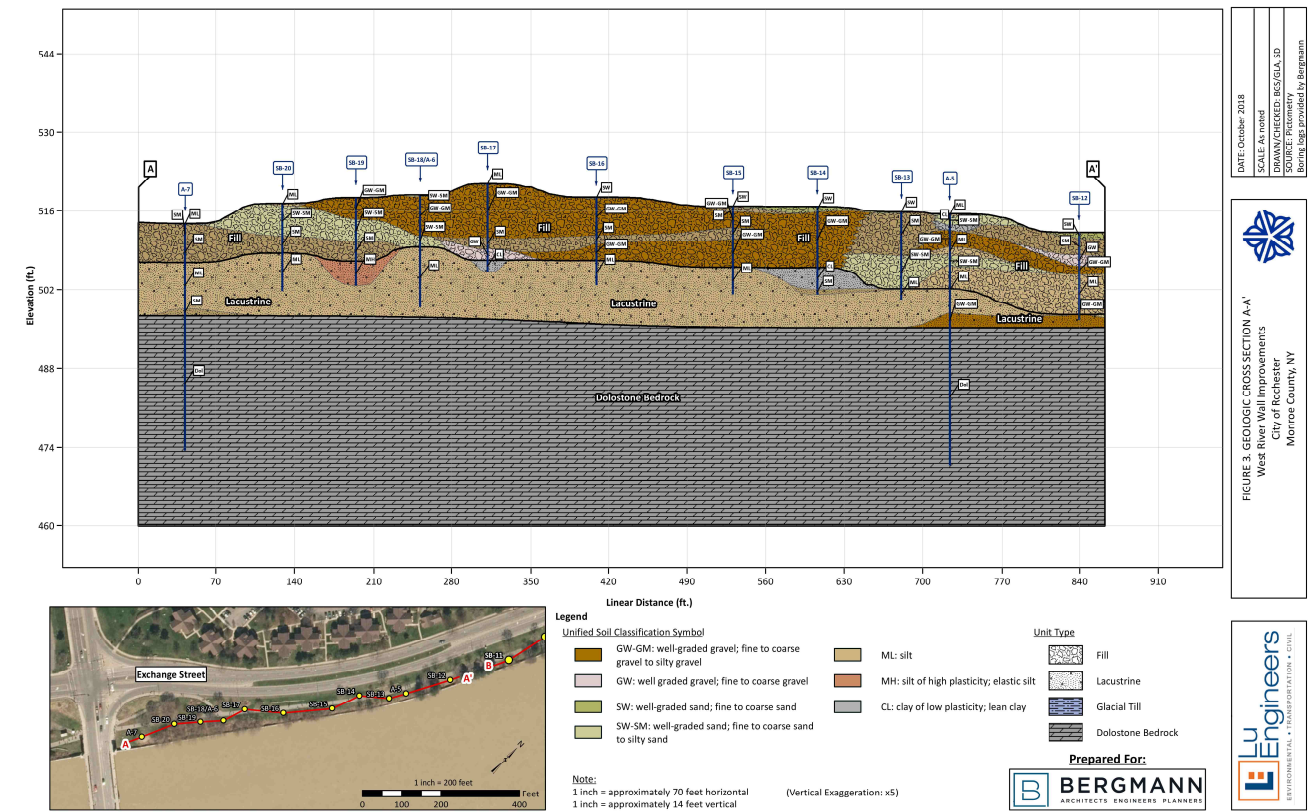
Legend

- Soil Boring with 25 feet of Rock Core
- Environmental Boring
- Structural/ Environmental Borings

Environmental Sampling & Testing

- Findings

- Fill material consistent throughout soils along river
 - Can remain with a layer of clean material or impervious surface on property
- Excess spoils need to go off site to a regulated landfill
 - Areas in exceedance of future use soil cleanup objectives will be removed
 - One area of petroleum impacts exist in the area of A-6/SB-18 (south end of the project property) – to be removed during construction
 - Northern portion of the project has some construction spoils from Cornhill Landing which still requires investigation



River Hydraulics

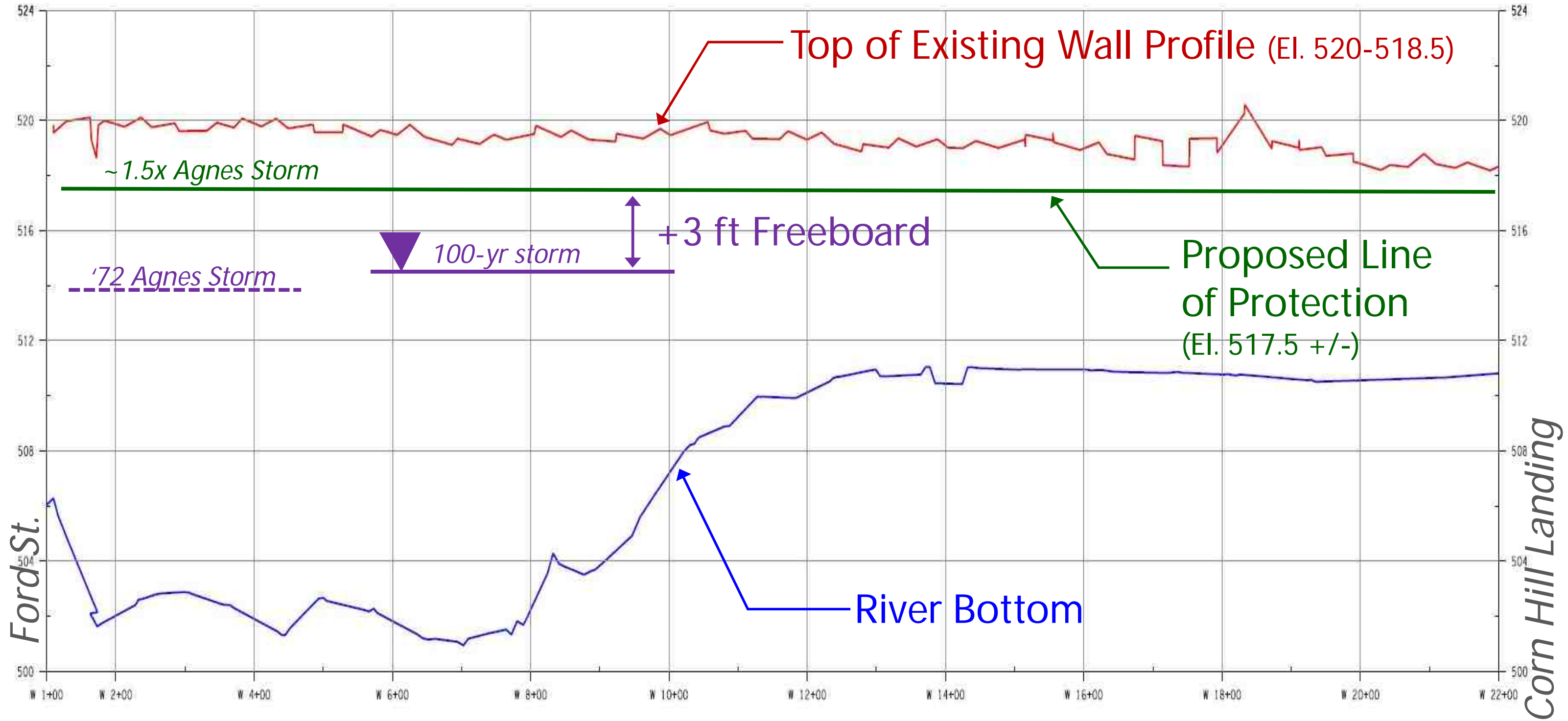
- Flood protection is a major focus of the project while still providing physical and visual access

- Modeling Updates:

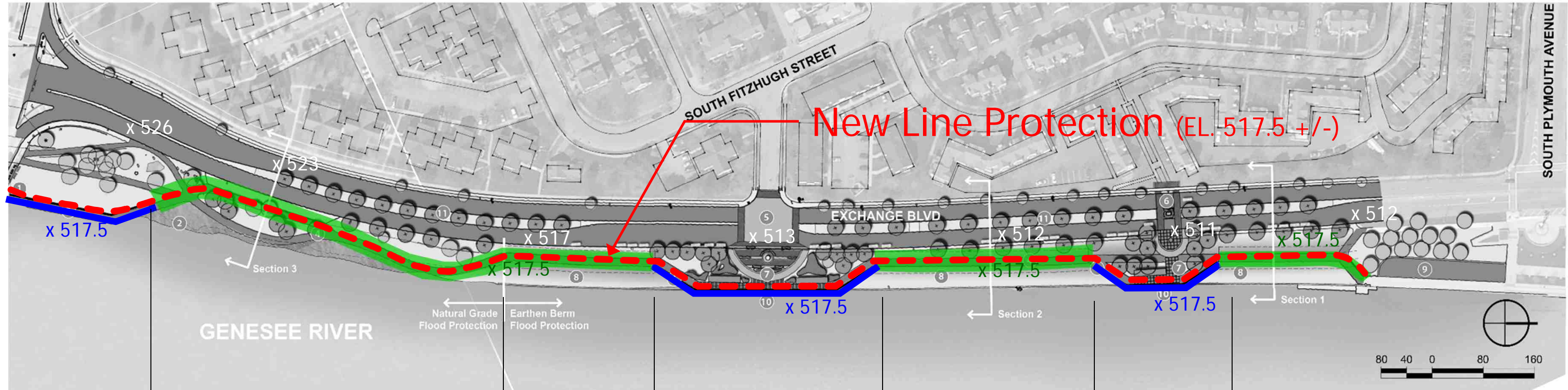
- ✓ Obtained current river bottom survey
- ✓ Examined effects of sedimentation
- ✓ Assessed effects of climate change
- ✓ Assessed co-incident storm & ice cover event
- ✓ Calibrated model to recent storm event data from RGE & USGS

- Line of protection will be designed considering FEMA accreditation standards

Hydraulic Results



Creating the Line of Protection & Open Up Views/Access



Wall	Berm / Natural Shoreline	Berm	Wall	Berm	Wall	Berm	Approximate Cut Down of Existing Wall
-2.5 ft	-9.5 ft	-5 ft	-2 ft	-4 ft	-2 ft	-4.5 ft	

Opening Views & Access to the River



EXISTING



PROPOSED

Opening Views & Access to the River



EXISTING



PROPOSED

Opening Views & Access to the River



EXISTING



PROPOSED

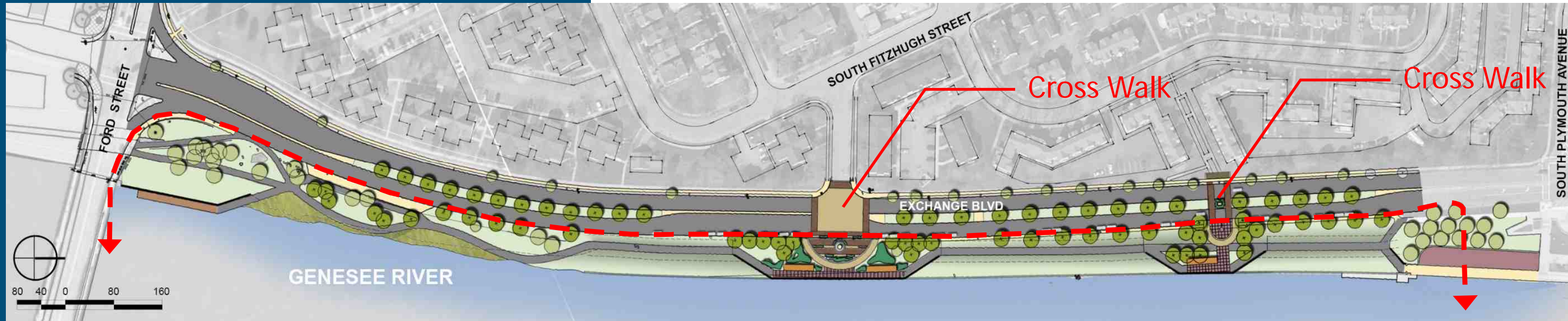
Opening Views & Access to the River



EXISTING



PROPOSED



Exchange Street Improvements

- Project will mainly involve work from from east curblines to the river edge
- A few car-top boat parking spaces (enforcement issues?)
- Enhanced Crosswalks will be included at:
 - South Fitzhugh Place/Exchange Boulevard
 - New mid-block crosswalk at the Pedestrian Mall
- Remainder of Exchange St. improvements will be done under a 2020 Capital Improvement Project

Rectangular Rapid Flashing Beacon (aka RRFB's)

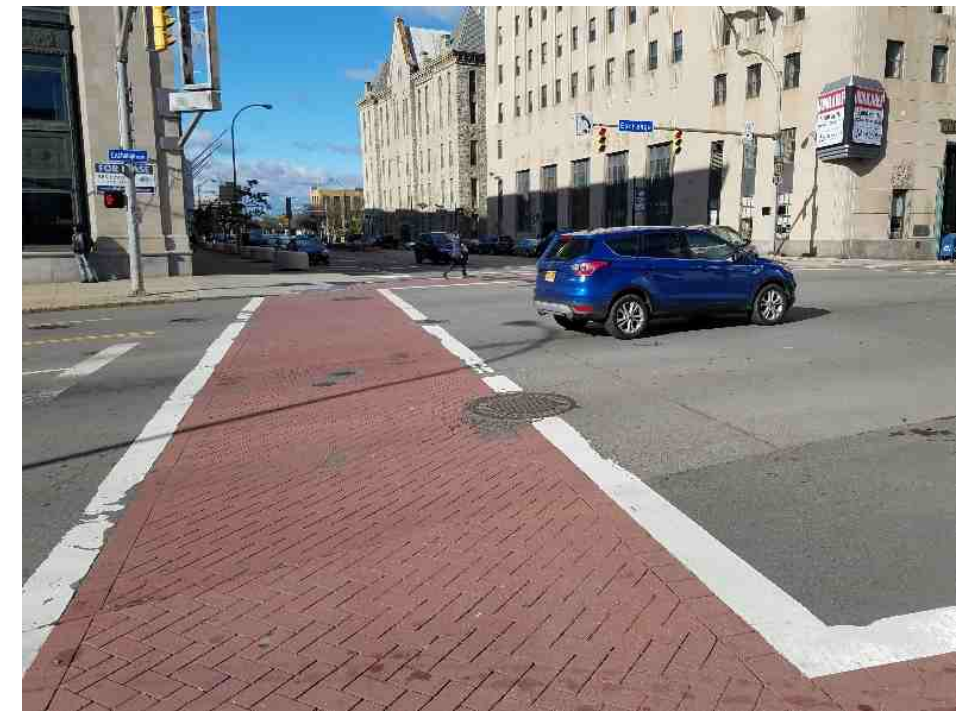


- Pedestrian activated / Immediate response
- “Wig Wag” Flashing Strobe Lights

Possible Crosswalk Treatments



Crosswalk Pavement Markings
(Lower cost, maintenance friendly, high visibility)



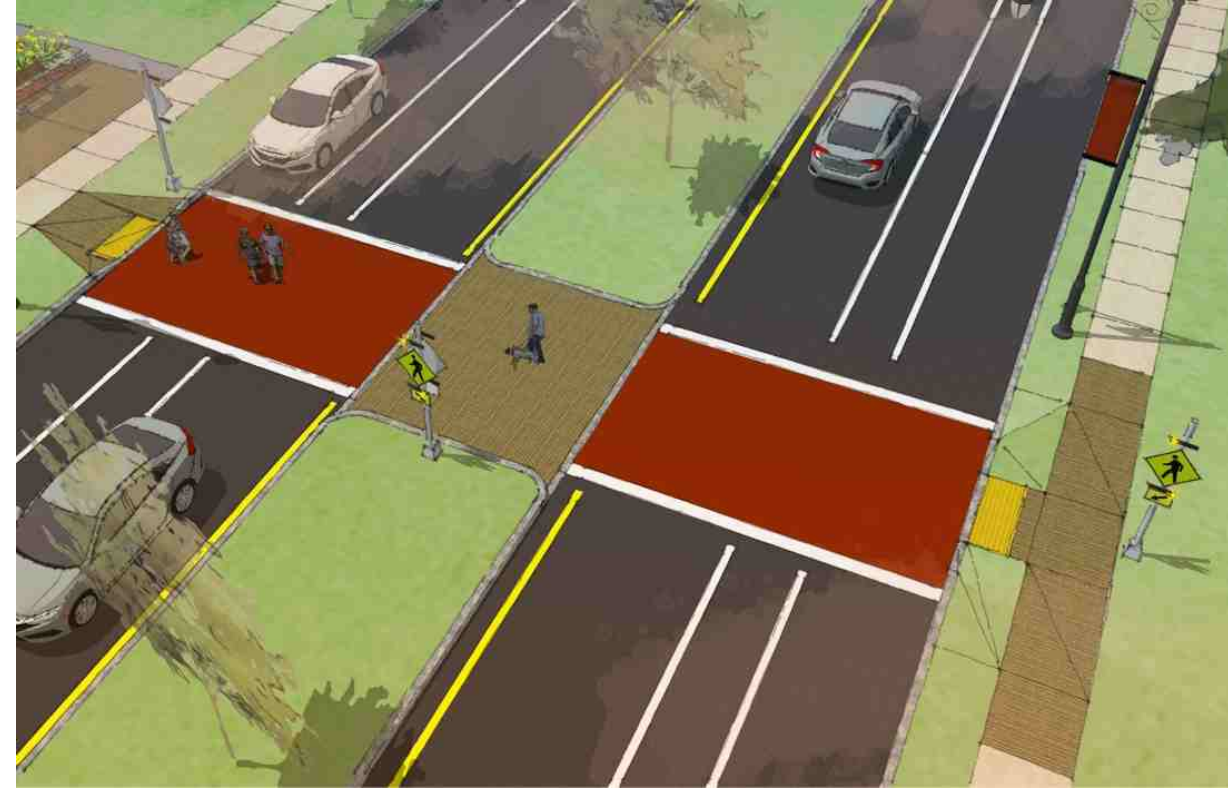
Decorative Crosswalk Treatments
(Higher cost, high aesthetics, costly to repair)

Possible Crosswalk Configurations @ South Fitzhugh Place



- 3 – 12 ft wide delineated crosswalks
- New ADA accessible ramps
- High-Visibility Signage
- Possible “Rectangular Rapid Flashing Beacon” (RRFB) System

Possible Mid-Crosswalk Configurations @ Pedestrian Mall



- 16 ft wide delineated crosswalk
- Median modifications
- New ADA accessible ramps at crosswalk landings
- High-Visibility Crosswalk Signage
- Possible “Rectangular Rapid Flashing Beacon” (RRFB) System

W ARCHITECTURE & LANDSCAPE ARCHITECTURE, LLC

- Urban focus; realigning nature and the city.
- Experience with transforming waterfronts, brownfields, historic neighborhoods and infrastructure projects
- Their role: To provide a fresh, “outside” perspective, assist with the Master Plan review, and enhance the project features

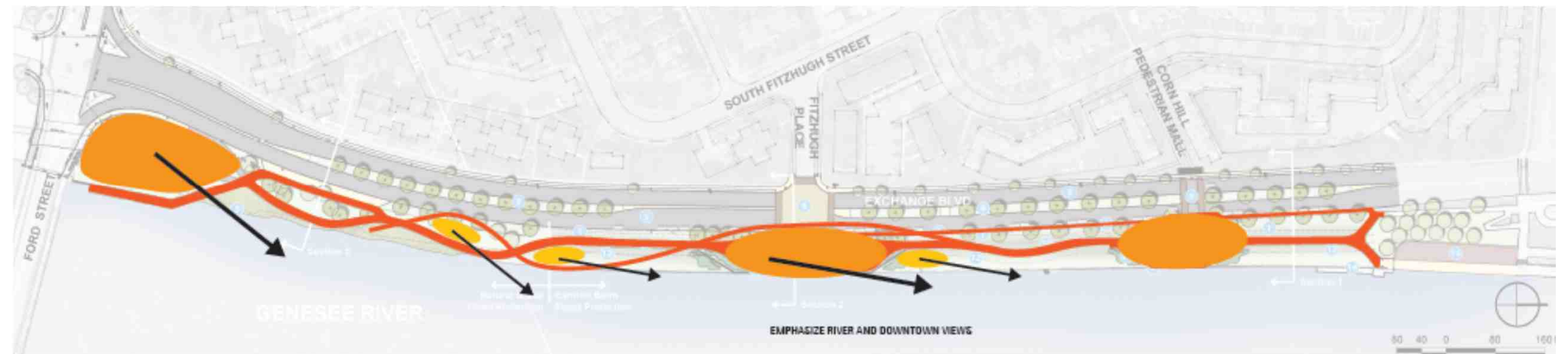
The Edge Park Williamsburg, NY



Troy Riverfront Park Troy, NY



W Architecture Input



- *“Since the site is confined, strive to make the paths and node spaces (green & gathering) more fluid and integrated allowing people to seamlessly bleed from one to the other.”*
- *“Enhance the integration of the urban and natural spaces.”*
- *Play up the interesting geometry that that the site has to offer*
- *“Open up more diverse views to river/downtown.”*
- *“Consider including a grand lawn/entry node area at south end of project”*

Where We Are Headed...

Work Remaining, Schedule & Budget

Timeline to Construction

- Public Meeting November 7, 2018
- Master Plan Review & Update November 2018
- Technical Advisory Committee Mtg #2 December 2018
- Community Advisory Committee Mtg #2 December 2018
- Preliminary Plans January 2019
- 75% Final Plans March 2019
- Permits March-June 2019
- 100% Final Plans Late April 2019
- Final Construction Documents May 2019
- Bidding June 2019
- Start Construction August 2019
- Complete Construction Summer 2020

Project Funding

WEST RIVER WALL PROJECT
SEGMENT I - CORN HILL WATERFRONT
SEGMENT II - VACUUM OIL WATERFRONT
FINANCE PLAN
NYSDOS C1000688 / CITY PC 12233
NYSCC
24-Jan-18

TOTAL SHARE BREAKDOWN					
FUND SOURCE	DESIGN		CONSTRUCTION		TOTAL
	Corn Hill Waterfront	Vacuum Oil Waterfront	Corn Hill Waterfront	Vacuum Oil Waterfront	
NYS Department of State	\$ 400,000	\$ 350,000	\$ 0	\$ 0	\$ 750,000
NYS Canal Corporation	\$ 0	\$ 0	\$ 4,200,000	\$ 0	\$ 4,200,000
City Debt (FY 17 WRW Debt \$1,850K)	\$ 350,000	\$ 0	\$ 1,500,000	\$ 0	\$ 1,850,000
City Debt Service (FY 17 E-6 Vacuum Oil Refinery)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
City Cash Capital (FY 15)	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 400,000
TOTALS:	\$ 750,000	\$ 750,000	\$ 5,700,000	\$ 0	\$ 7,200,000

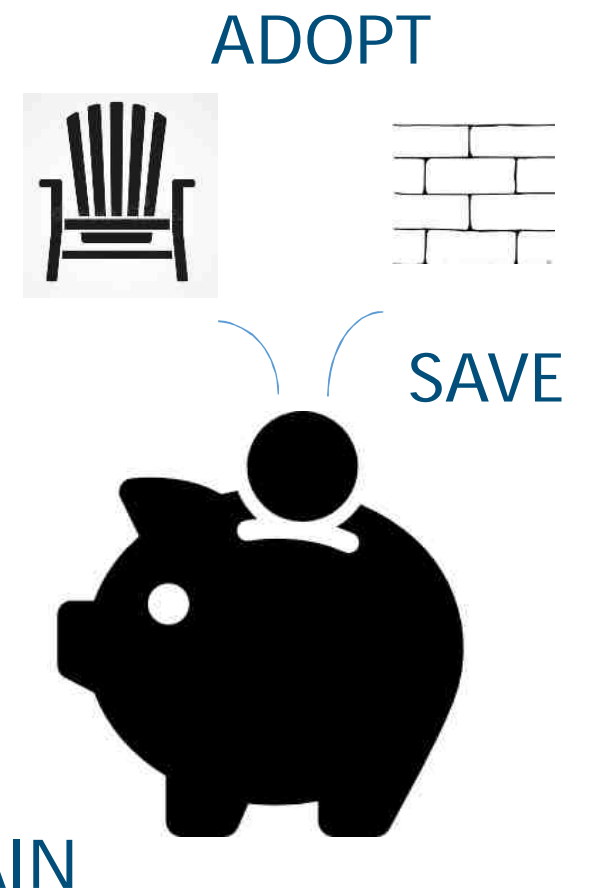
~\$4.9M "Bricks & Mortar"
 Construction Budget

Public Input

Share your thoughts

Opportunities for Community Partnership

- Adopt a brick, chair, piece of the project, etc
- Assistance with maintenance of gardens, planters, section of the path
- Stewardship the property (keep it fresh, maintained, and free of litter)
- Other ideas?



Place Making NAMING THE PARK


Naming Guidelines:

- Long Lasting
- Sustainable
- Nod to history
- Appropriate Context





How would you describe the
Corn Hill waterfront today?



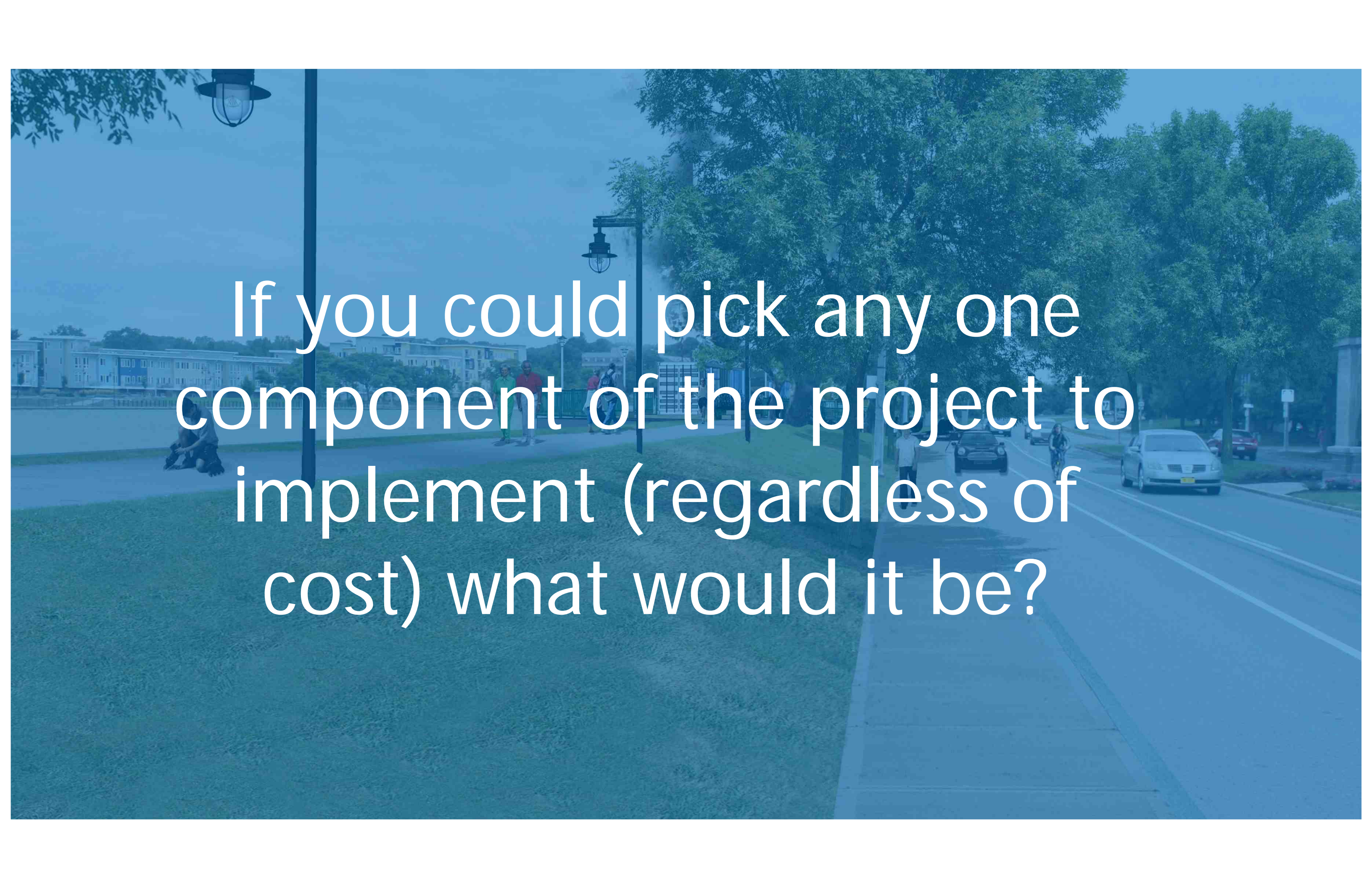
What do you see as the biggest obstacle to enjoying the waterfront?



What would you like to do
on the waterfront that you
can't do today?



What is one thing you would
NOT want to see on the Corn
Hill waterfront?

A blue-tinted photograph of a city street scene. In the foreground, there is a grassy area on the left and a sidewalk on the right. A road with several cars is visible in the middle ground. In the background, there are trees and buildings. The text is overlaid in the center of the image.

If you could pick any one component of the project to implement (regardless of cost) what would it be?

NEXT STEPS

-
- 1 Public Meeting
 - 2 Master Plan Revisions | November
 - 3 Community Advisory and Technical Committee Mtgs | December
 - 4 Preliminary Plans | Early Winter 2019
 - 5 Community Advisory Committee Mtg. # 2 & #3 | Aug/Nov
 - 6 Final Construction Documents | Spring 2019
 - 7 Construction | Summer 2019 - Summer. 2020



Thank you!