

# WEST SIDE GENESEE RIVER SHORELINE RESILIENCY IMPROVEMENTS



## Public Information Meeting

February 2, 2021



# MEETING FORMAT



City of Rochester, NY  
Lovely A. Warren, Mayor  
Rochester City Council

- Please use the chat feature to provide your name and contact information so we can take attendance.
- All participants will be muted during this presentation.
- Please use the “raise hand” feature at the end of the presentation to ask a question.
- Any participants attending this meeting from a phone can dial \*9 to “raise your hand” at the end of the presentation to ask a question.

# AGENDA

- Introductions
- Presentation
- Questions & Answers
- Additional Information



City of Rochester, NY  
*Lovely A. Warren, Mayor*  
*Rochester City Council*



# PROJECT TEAM



City of Rochester, NY  
Lovely A. Warren, Mayor  
Rochester City Council

**Mayor**

**Lovely A. Warren**

**DES Commissioner**

**Norman H. Jones**

**City Engineer**

**Holly E. Barrett, P.E.**

Project Manager

Jeffrey J. Mroczek, R.L.A.

NYS DOS Project Liaison

Amy DeGaetano

DASNY Project Liaison

Sean Rosney

Design Consultant

Ramboll

Popli Design Group

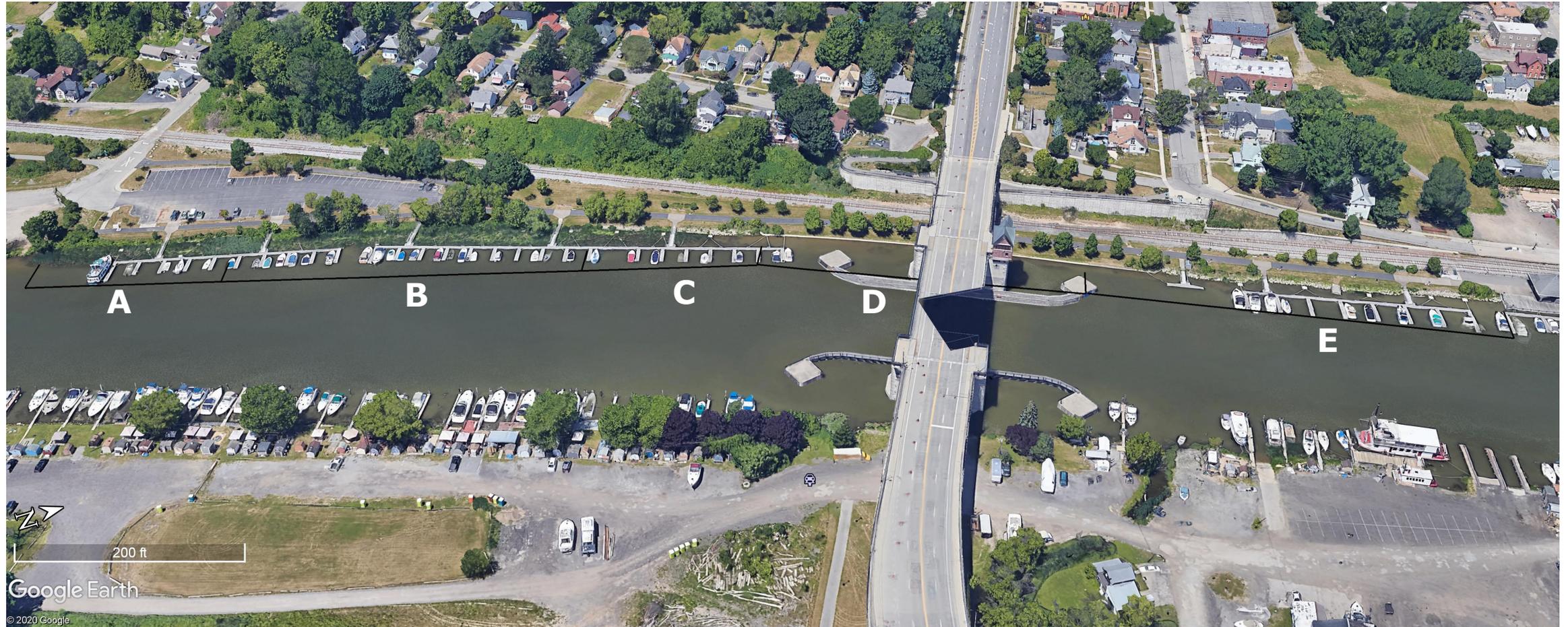


# PROJECT OVERVIEW

## MO-07 WEST SIDE GENESEE RIVER BUSINESSES



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Lovely A. Warren, Mayor  
Rochester City Council



# EXISTING CONDITIONS

## MO-07 WEST SIDE GENESEE RIVER BUSINESSES



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# EXISTING CONDITIONS OF FLOATING DOCKS



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# PROJECT OVERVIEW

## MO-10 CITY OF ROCHESTER MARINA



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# EXISTING CONDITIONS MO-07 WEST SIDE GENESEE RIVER BUSINESSES



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## OBJECTIVE / PURPOSE

### On-going Development In Project Area

Provide climate resiliency along the west-side of the Genesee River

- **Community Benefit**

Protect and strengthen the infrastructure along the west side of the Genesee River

- **Recreational Benefit**

Protect public walking paths, boat slips and public access

- **Economic Benefit**

Reduce future damage and provide for limited user downtime during flood conditions



# PROJECT IMPROVEMENTS



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## MO-07 West side Genesee River Businesses

- Rip-Rap Extension
  - Zones A, B, C and E
- Pre-Cast Wall Extension
  - Zone D

## MO-10 City of Rochester Marina

- Shore Wall
  - Zones F-1 and F-2
- Flood Wall
  - Zone G

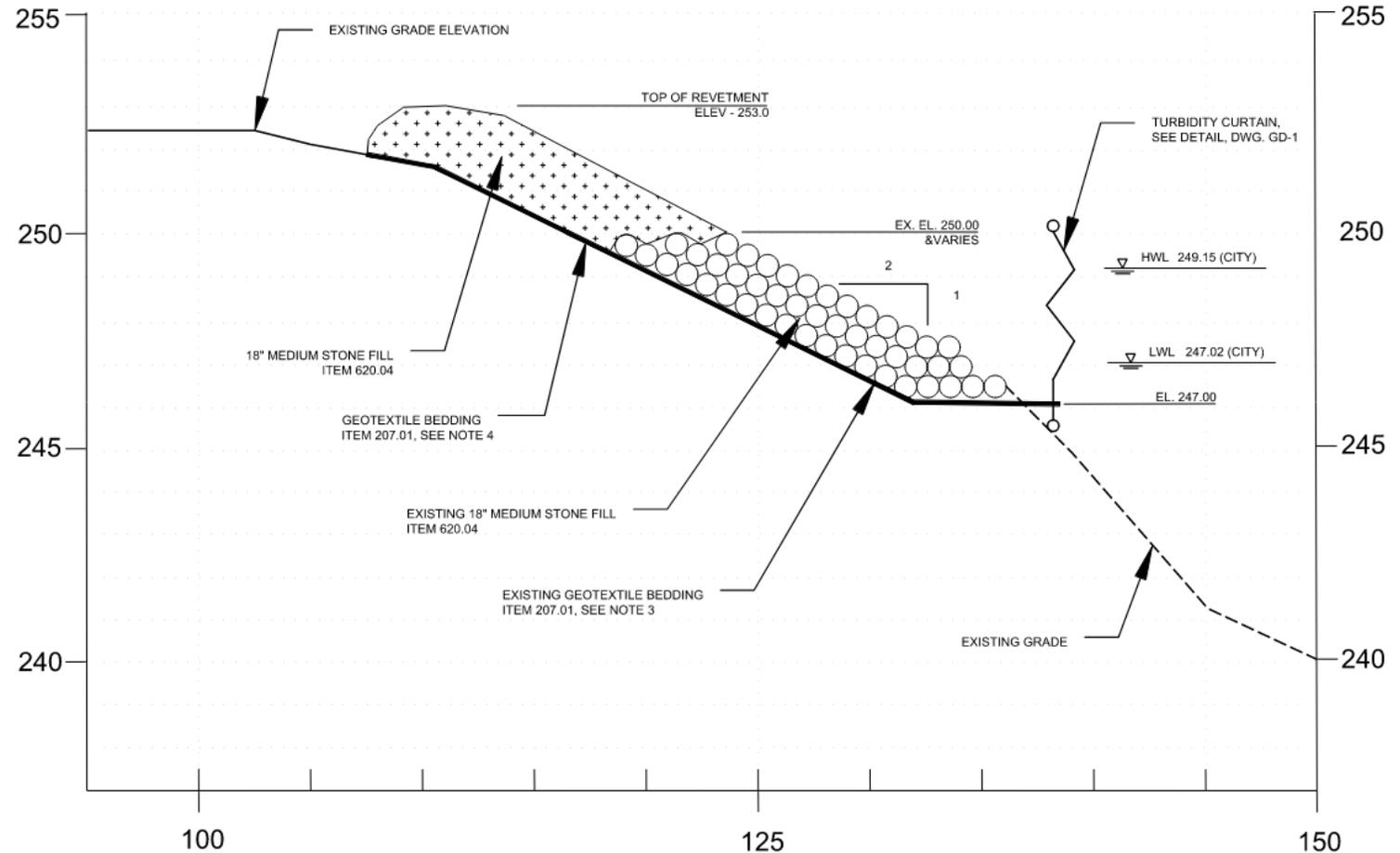




# RIP-RAP EXTENSION

## Zones A, B, C and E

- Continuous protection to a crest elevation of 253'
- Minimal to no grading of existing bank slope (2:1)
- Easily maintained and modified, consisting of new and existing medium-sized stone
- Minimal disruption within the riverbed



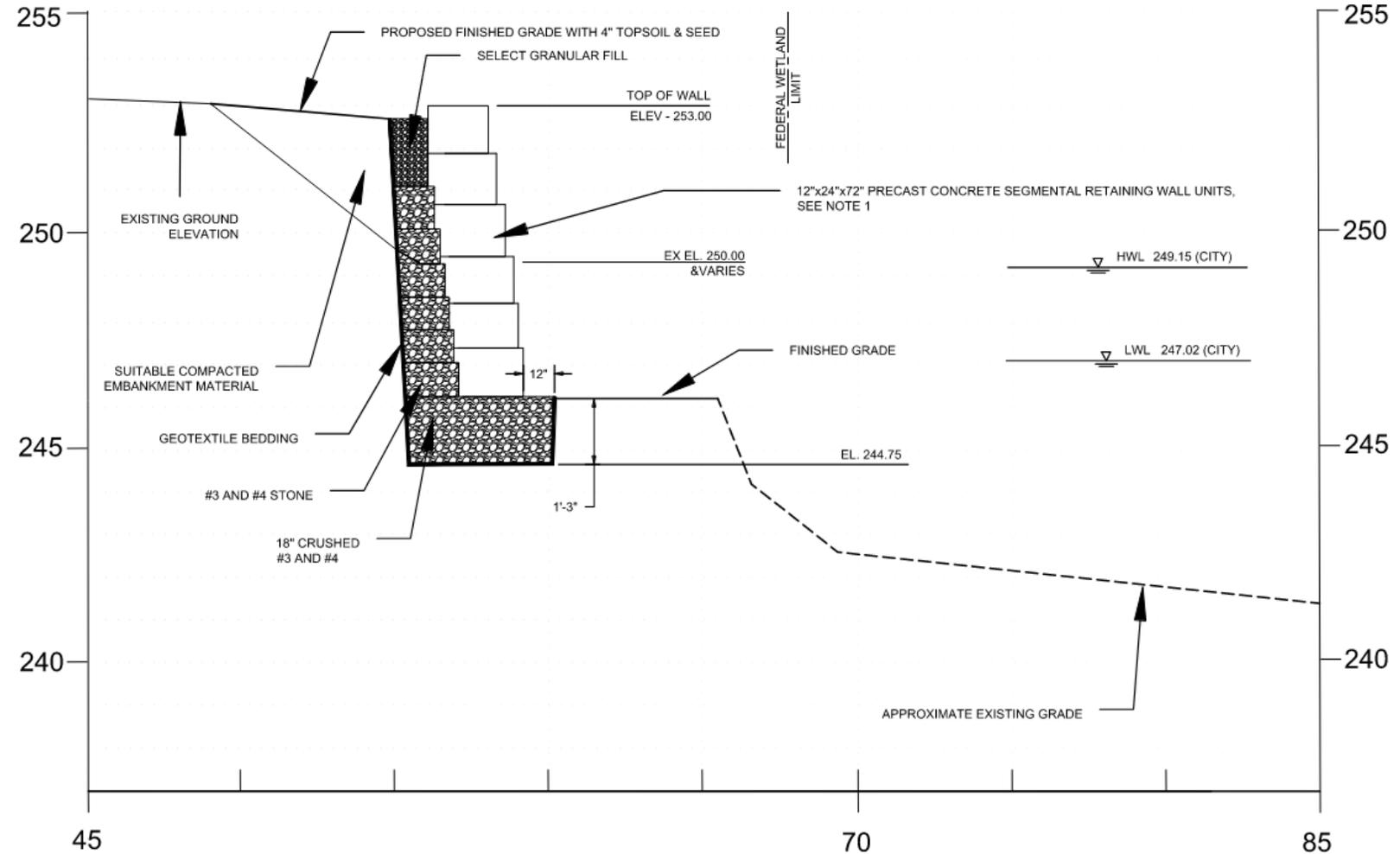
# PRE-CAST WALL EXTENSION

## Zone D

- Continuous protection to a crest elevation of 253'
- Little to no loss of adjacent green space
- No disruption within the riverbed



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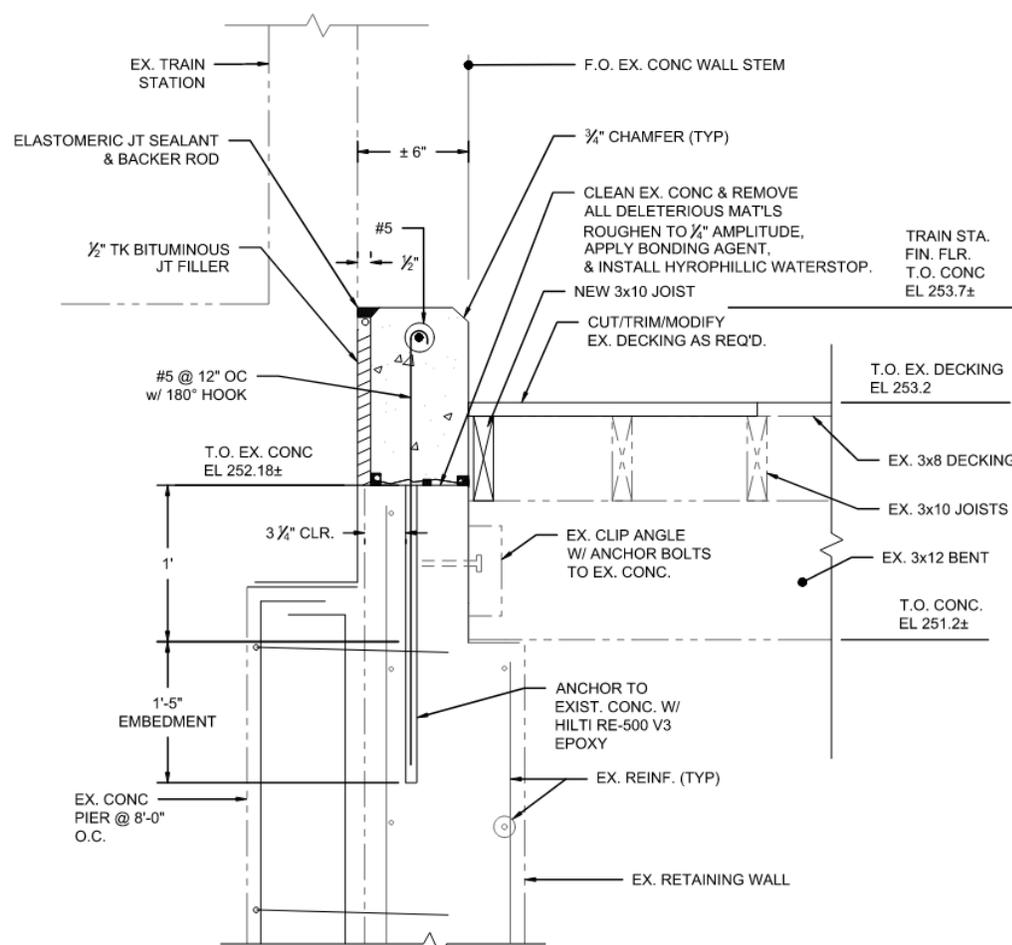


# FLOOD WALL

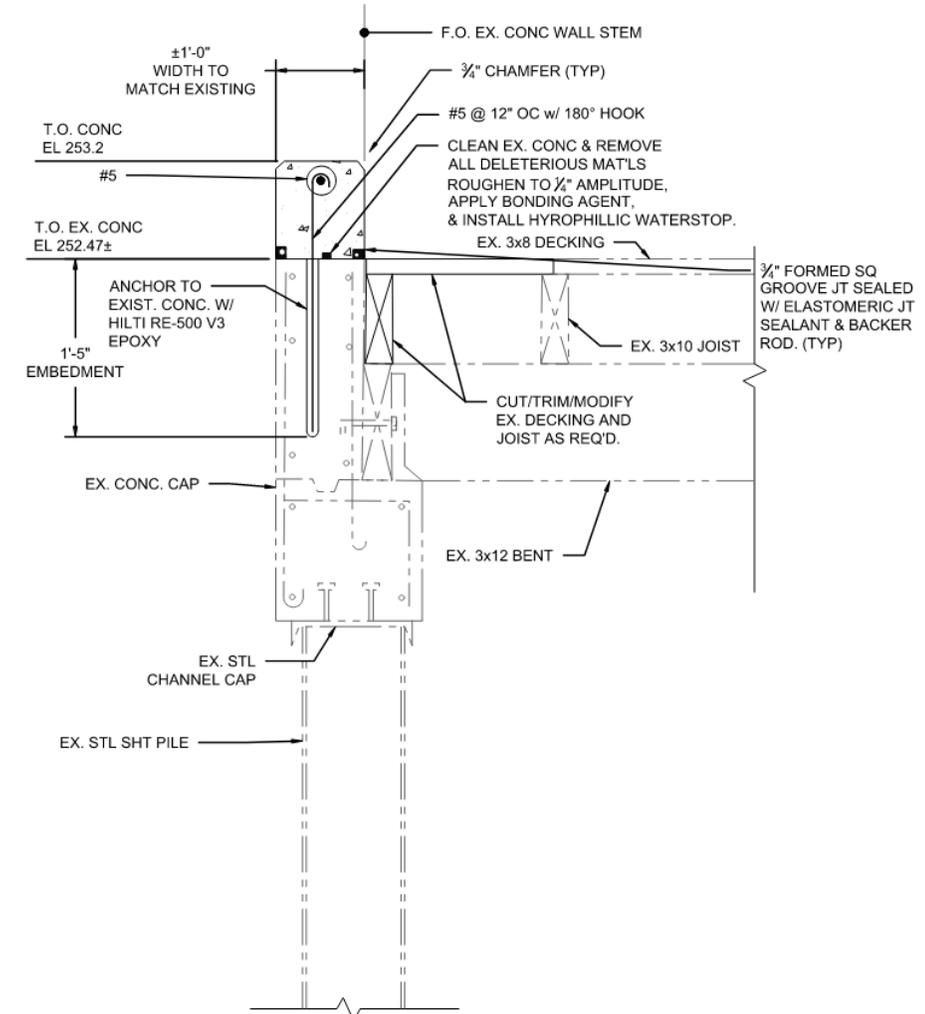
## Zones F-1 and F-2



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**A** WALL RAISING DETAIL @ ZONE F-1  
 NOT TO SCALE



**B** WALL RAISING DETAIL @ ZONE F-2  
 NOT TO SCALE

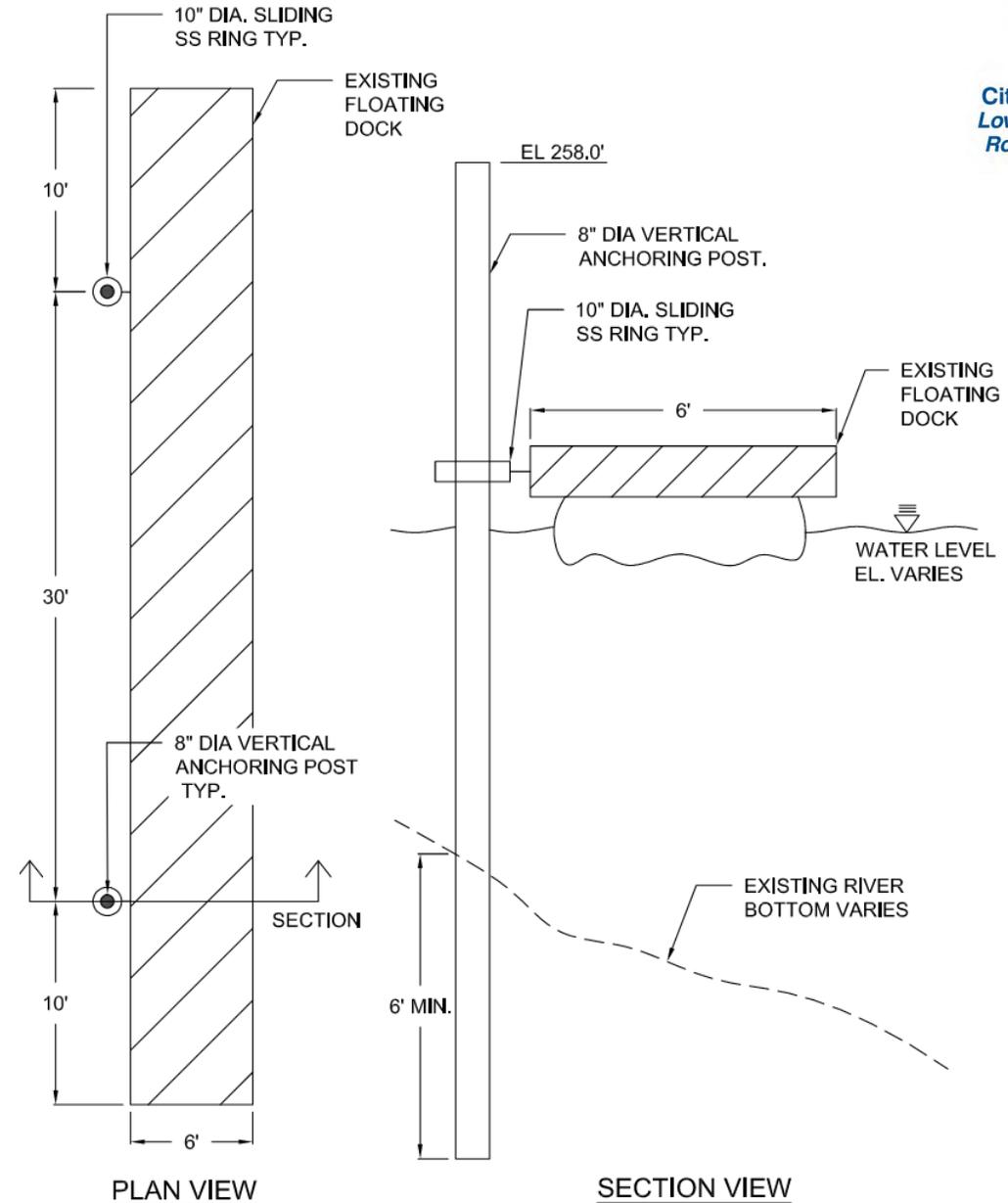




# FLOATING DOCKS

## Zones A, B, C and F

- Remove existing lateral/vertical deadman struts
- Install piles to allow for unimpeded vertical travel
  - Concrete filled steel pipe
  - 6-8" diameter
  - Embedded a minimum of 15'

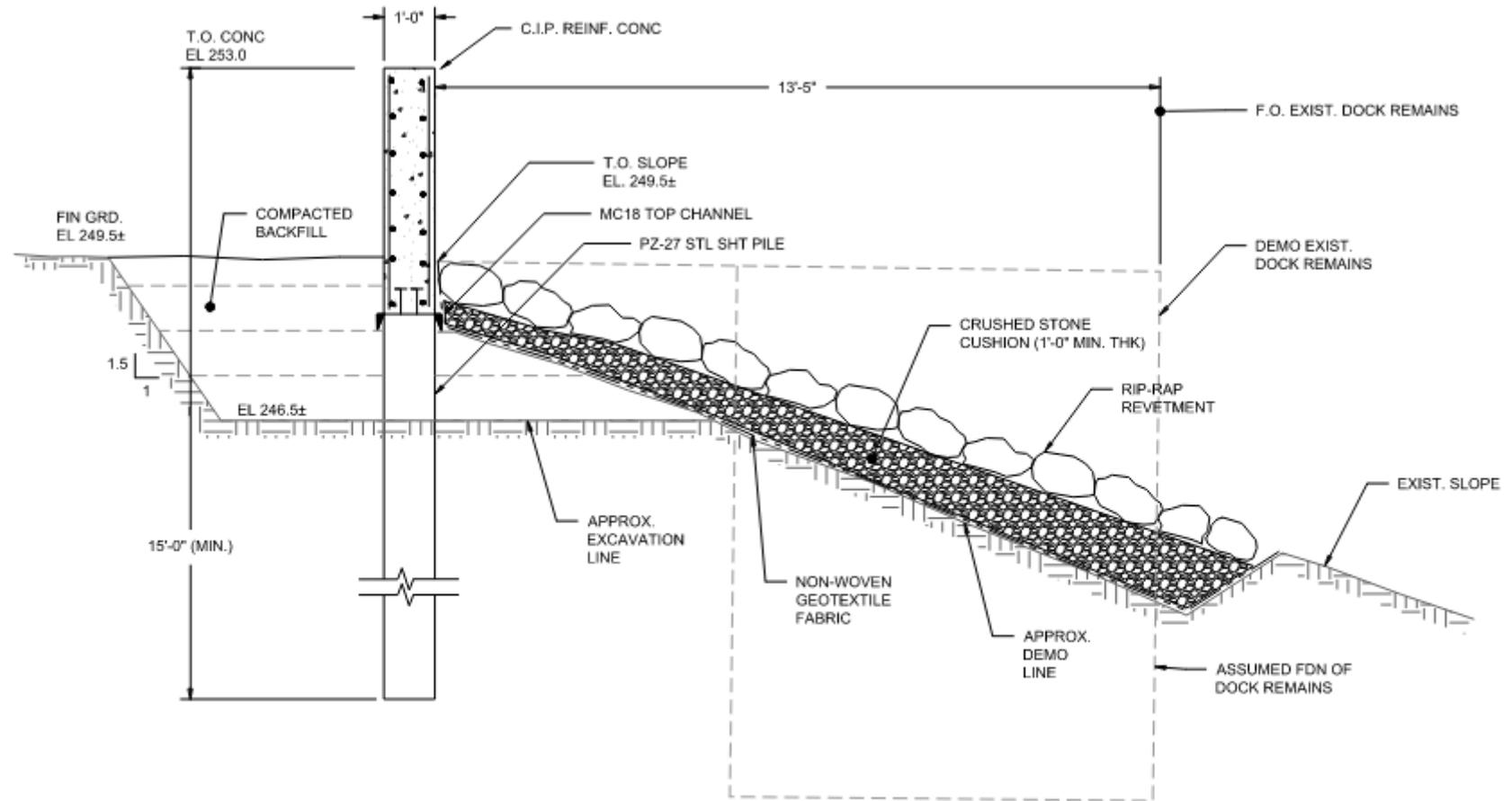




# FLOOD WALL

## Zone G: 504 River Street

- Proposed steel pile sheet pile to an elevation of 253
- Rip-rap lined slope

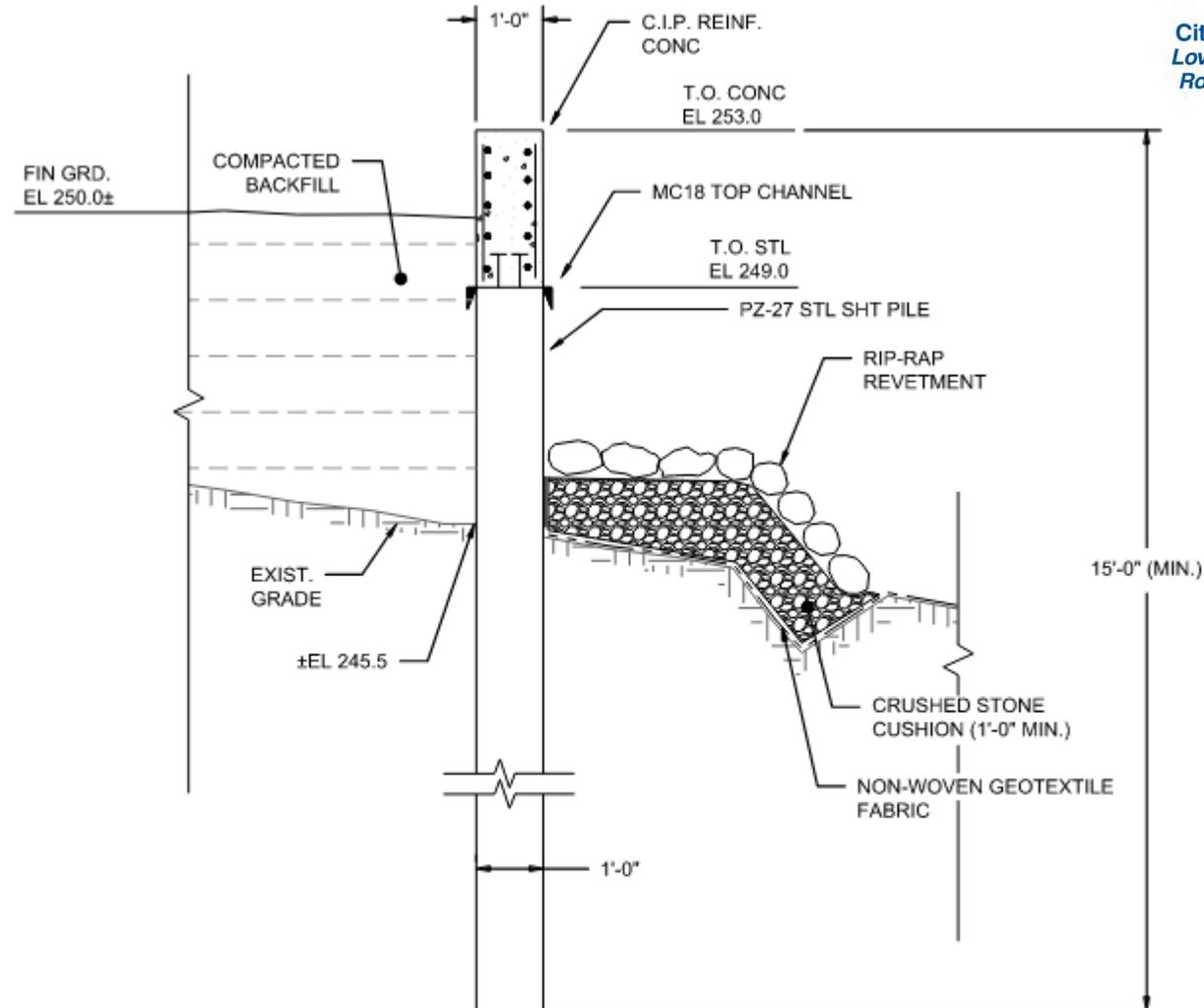




# FLOOD WALL

## Zone G: 504 River Street

- Proposed crest elevation of 253'
- Backfilled to existing grade of 250'
- Rip-rap revetment with geotextile fabric



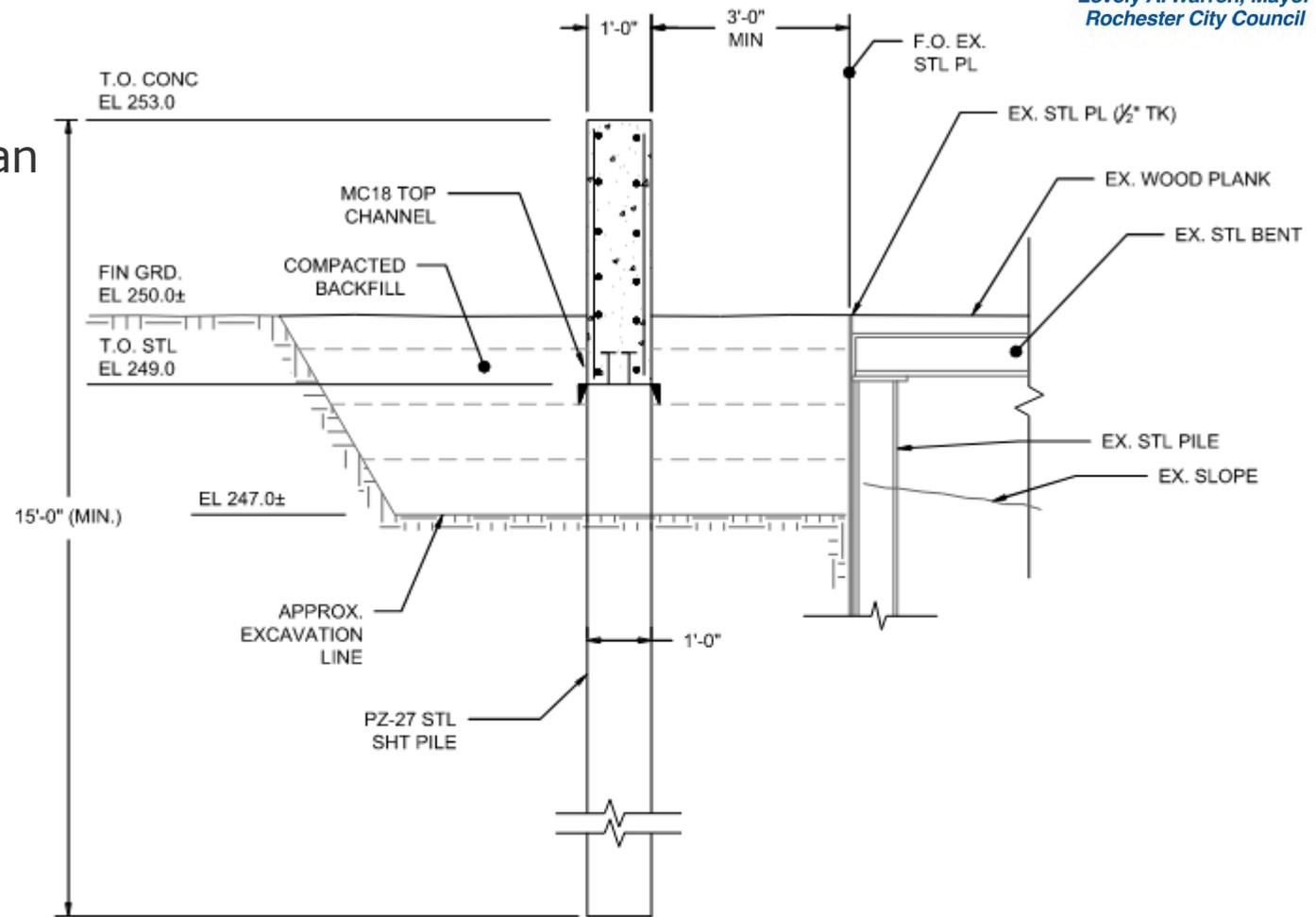


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# FLOOD WALL

## Zone G: USCG Auxiliary

- Proposed steel sheet pile flood wall to an elevation of 253'.
- Stop logs for access to docks

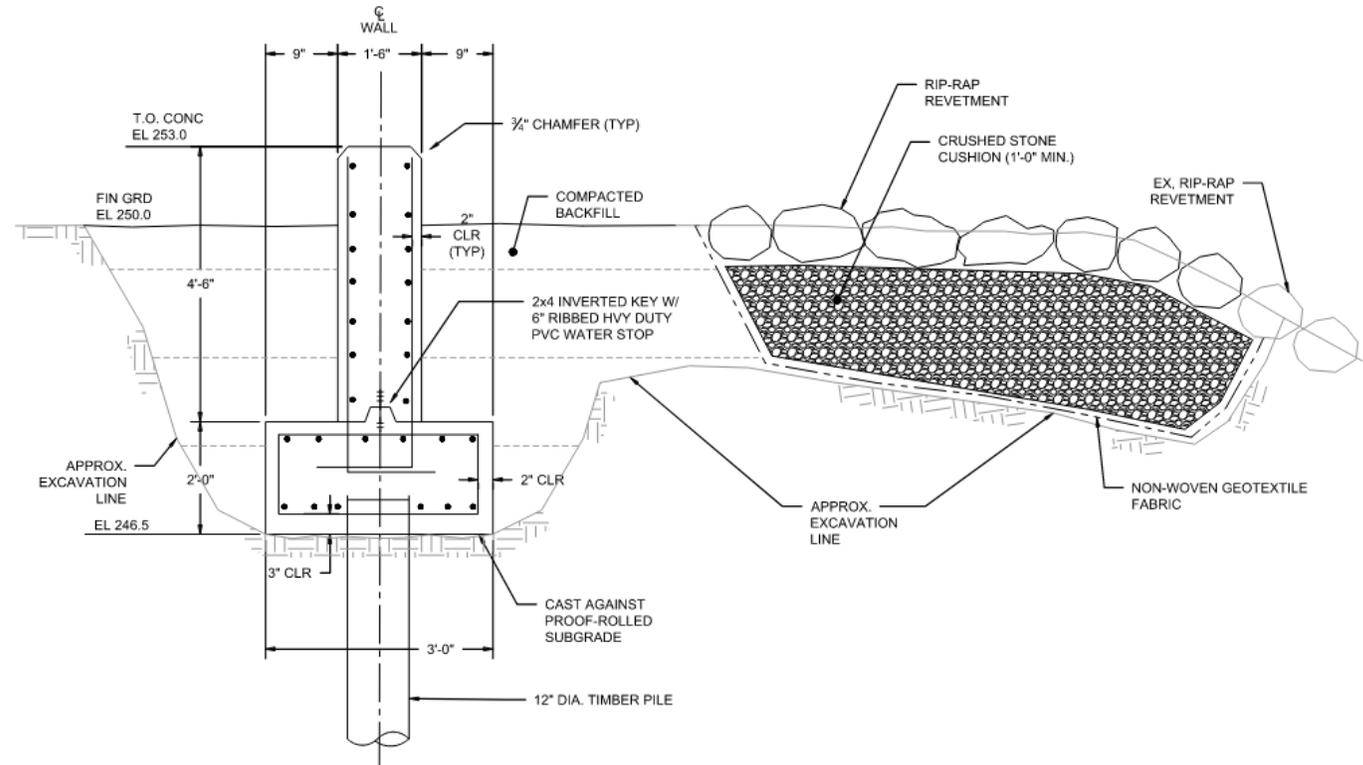




# FLOOD WALL

## Zone G: Charlotte Pump Station

- Cast-in-place concrete to an elevation of 253'
- Rip-rap revetment and compacted backfill



ROCHESTER MARINA REDI  
ZONE G CONC FLOOD WALL  
TYPICAL SECTION

(C) NOT TO SCALE

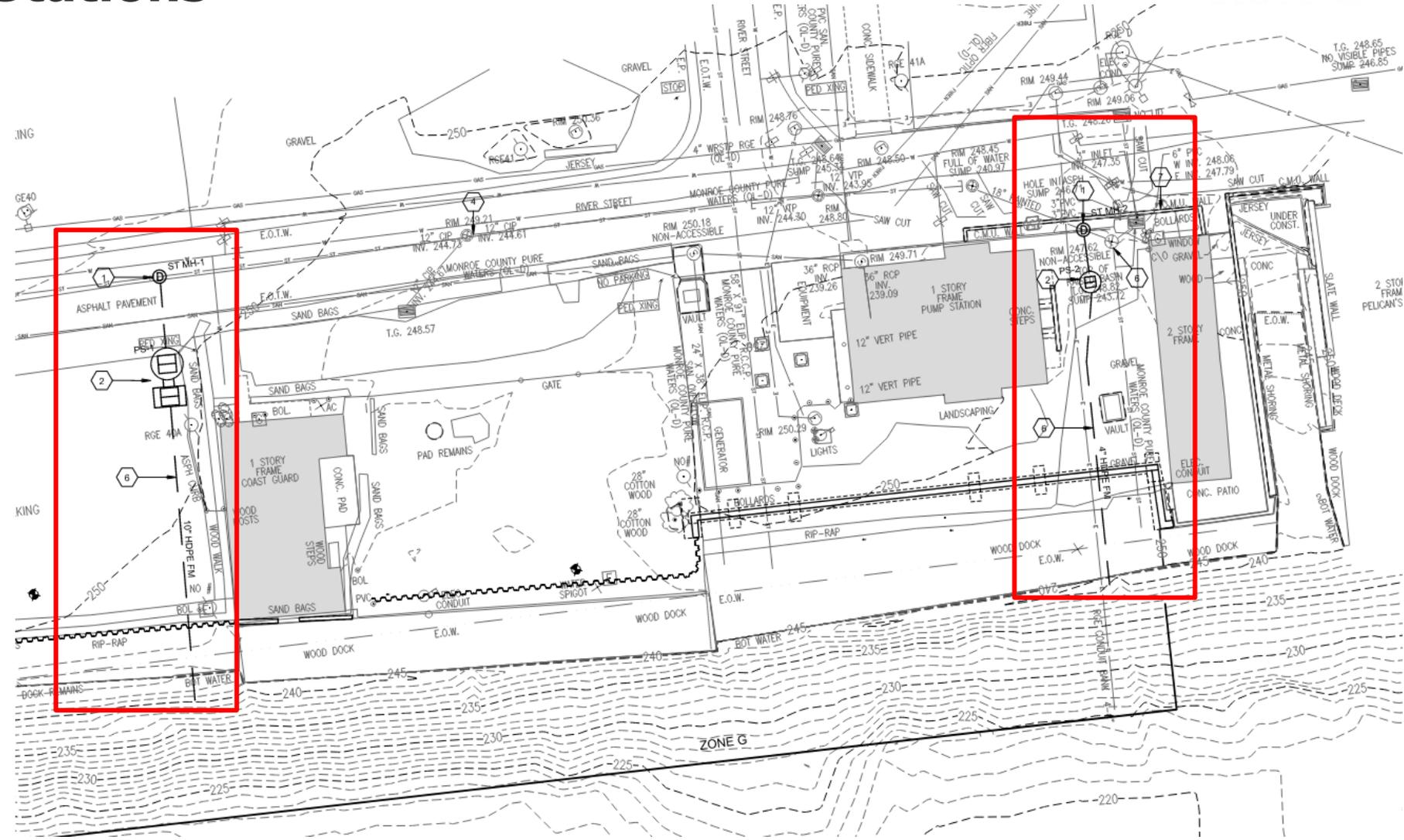
# STORMWATER MANAGEMENT

## Zone G: Pump Stations



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- 504 River St: new storm pump station
- Charlotte PS: new storm pump station at edge of River St
- Installation of check valves to prevent backwater into system



# PROJECT TIMELINE



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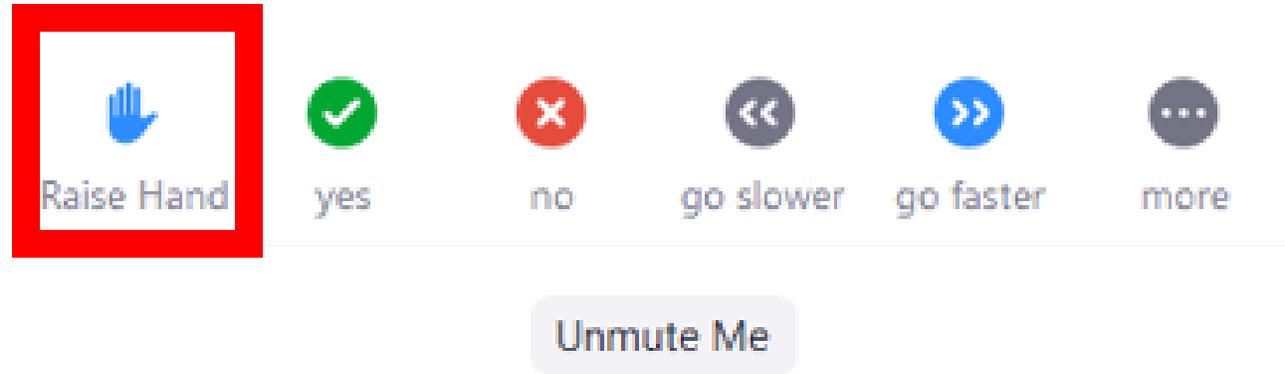
Activity or Milestone	Target Date
<b>NYS Announces REDI Program</b>	August 2019
<b>Grant Application Submitted</b>	September 2019
<b>Awards Announced</b>	November 2019
<b>10% Design Reports Submitted</b>	February 2020
<b>Kick Off</b>	September 2020
<b>Preliminary Design</b>	October 2020 – February 2021
<b>Conduct public meeting</b>	Early Feb 2021
<b>Submit permit applications</b>	March 2021
<b>Finalize Design</b>	May 2021
<b>Bidding Start</b>	May 2021
<b>Receive bids</b>	Jun 2021
<b>Construction Start</b>	Sep 2021
<b>Construction Substantial Completion</b>	Dec 2021
<b>Construction Complete</b>	June 2022



# QUESTIONS & ANSWERS



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## **If you are on a computer:**

Use the "raise your hand" feature to ask a question

## **If you are on a phone:**

Dial \*9 to "raise your hand" to ask a question

# CONTACT INFORMATION



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The presentation will be posted to the project webpage at:

<http://www.cityofrochester.gov/REDI/>

Comments may be submitted to the Project Manager until one week after this Public Meeting.  
Any comments received by February 9, 2021 will be recorded and answered in the public meeting minutes.

## **City Project Manager**

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