

City of Biddeford
Finance Committee
October 17, 2023 5:30 PM Council Chambers & Zoom

Please click the link below to join the webinar:
<https://biddeford.zoom.us/j/94939187062?pwd=Q3U1UVMyYjRDRINGUm91bDBSUVRKZz09>

Webinar ID: 949 3918 7062
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Status:

- 1. Call to order**
- 2. Approval of the Minutes**
- 3. Signing of the expenditure warrant**
- 4. Discussion/Approval**
 - 4.1. Approval/Elm St. CSO Sewer Upgrade
[20231017 Elm Street Sewer Upgrade - BRIEF](#)
[20231017 Elm Street Sewer Upgrade - ORDER](#)
[20231017 Elm Street CSO Sewer Upgrade - EXHIBIT](#)
[Eastern Excavation - ESTIMATE](#)
- 5. Other Business**
- 6. Adjournment**



Finance Committee

Meeting Date: October 17th, 2023
Meeting Time: 5:00 PM

Agenda Item No: 4.1
Item Description: Elm Street CSO Sewer Upgrade

Submitted by: Jeff Demers (Public Works Director)
Craig Chekan, PE (City Engineer)

Supporting Information/Documentation:

1. Plan Exhibit
2. Eastern Excavation Estimate sheet

Executive Summary:

There is an existing 15" chokepoint in the City's sewer main adjacent to the Elm Street CSO location; see attached exhibit.

In conjunction with the adjacent residential developments on Upper Falls Road and Diamond Street, Staff recommends removing this existing sewer chokepoint to reduce combined sewer overflows into the Saco River and abide by DEP's CSO mandate.

Detailed Review:

In two weeks, Eastern Excavation will be installing a new 8" sewer lateral across Elm Street for the Phase 2 Upper Falls Road Development (as required during the Planning Board review process).

Since the work is directly parallel, Staff recommends hiring Eastern Excavation to remove the City's known 15" chokepoint and increase the system's available sewer capacity in this area via a 30" pipe (prior to the full-buildout of the adjacent Upper Falls Road and Diamond Street residential developments).

The existing 15" chokepoint is due to a 16" water line crossing, which will require a vertical offset and has already been coordinated with the Maine Water Company (MWC).

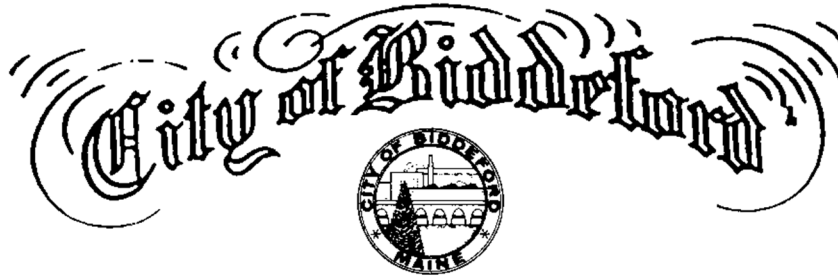
Lastly, during large storm high-tide events – water from the Saco River has recently been seen backflowing into the City's sewer CSO structure. Staff recommends adding a Tideflex Backwater Valve at the existing CSO structure to avoid clean river water entering the sewer infrastructure and being treated at the wastewater treatment plant. The City is installing a similar device at Horrigan's Court as part of the pump station upgrade project.

Staff Recommendation:

Staff recommends hiring Eastern Excavation on a 'Time & Materials' basis not to exceed \$95,841 to install a new 30" sewer main across Elm Street and to install a Tideflex Backwater Valve at the existing Elm Street CSO structure.

Funding Source:

CSO Bond account with an estimated balance of 4,500,300.00



2023.130

IN BOARD OF CITY COUNCIL...OCTOBER 17TH, 2023

BE IT ORDERED, that the City Manager or his designee be authorized to hire Eastern Excavation on a 'Time & Materials' basis not to exceed \$95,841 to install a new 30" sewer main across Elm Street and to install a Tideflex Backwater Valve at the existing Elm Street CSO Structure.

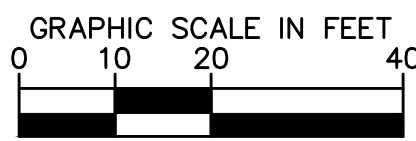
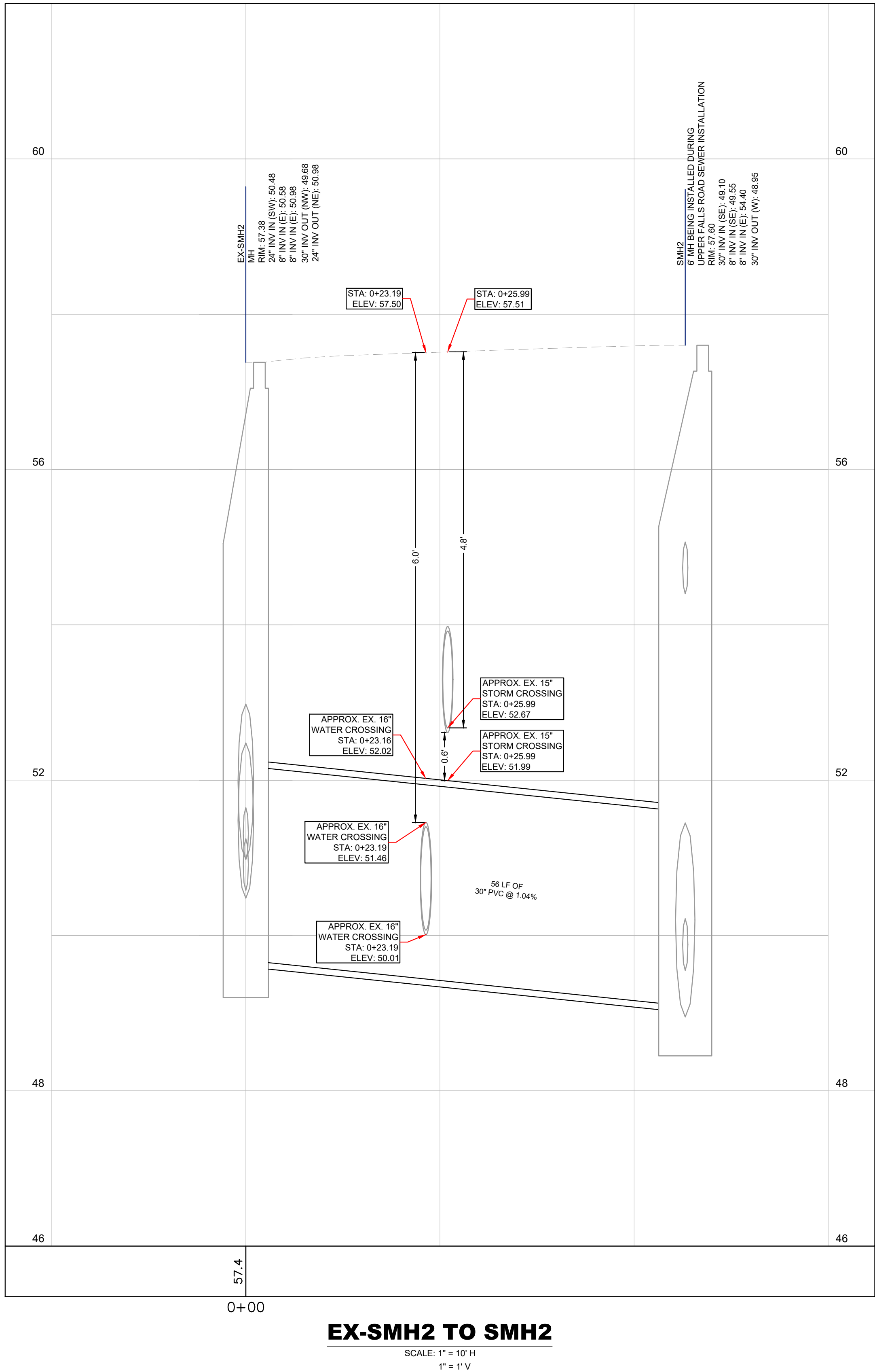
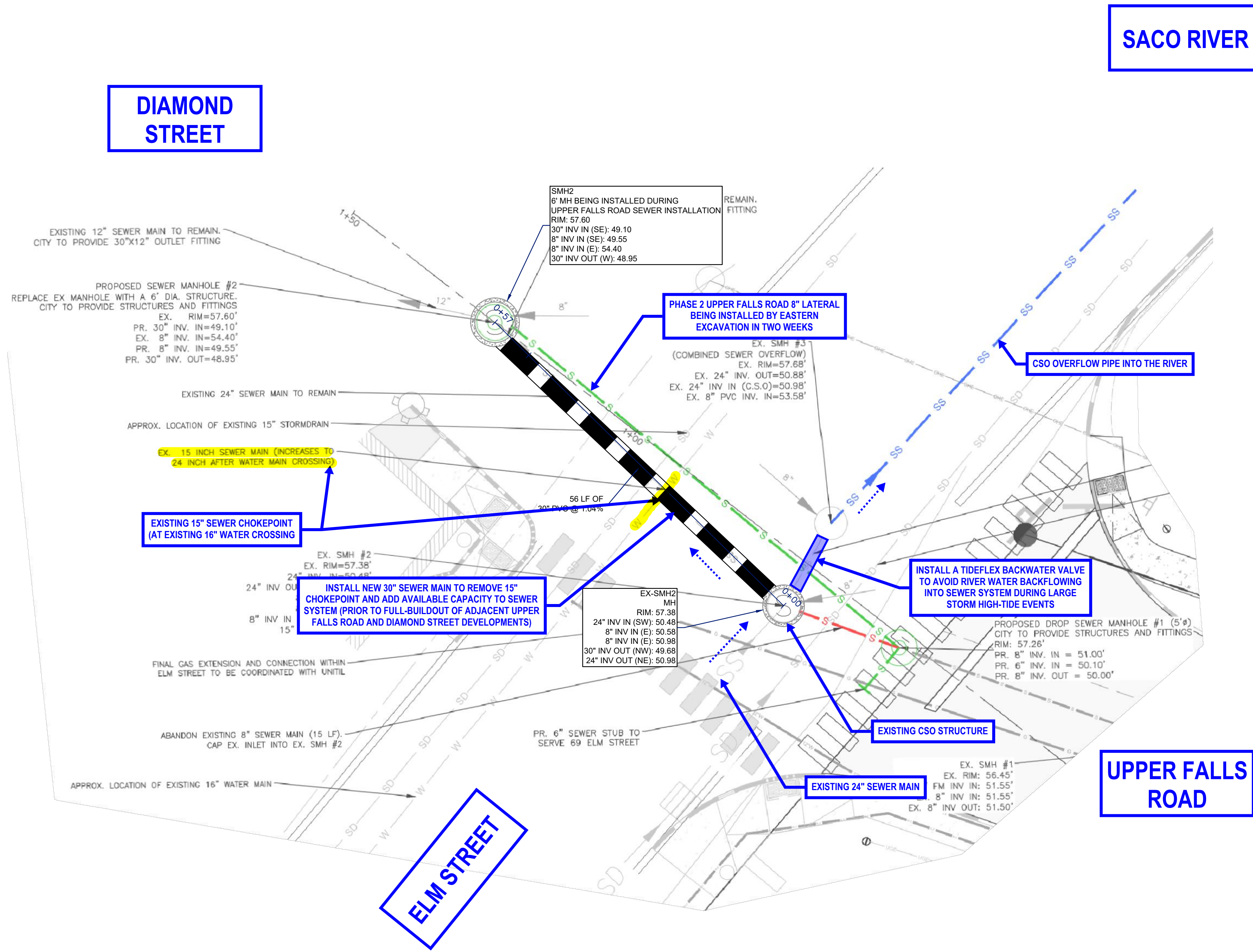
Funding for this project will be as follows:

- \$95,841 From the CSO Bond Account

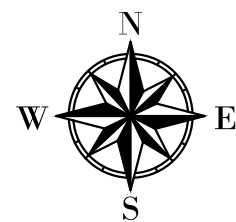
NOTE: The Finance Committee will review this item at their October 17th, 2022 meeting.

Attest by: _____
Robin Patterson, City Clerk

Plotted By: Cheam, Craig Sheet Set: ELM STREET SEWER UPGRADE Layout: UTILITY PLAN June 20, 2023 08:04:23am X:\Task Director\2021-016 Gooch Street Redevelopment-Upper Falls Road\CAD Sheets\C-100 - Utility Plan - Gooch.dwg



UTILITY PLAN
SCALE: 1" = 10'



- NOTES:**
- HORIZONTAL DATUM: NAD83 MAINE STATE PLANE, WEST, US FOOT (ME83-WF)
 - VERTICAL DATUM: NAVD88
 - RIM ELEVATIONS SHOWN REFER TO THE SURFACE/FLOWLINE (BOTTOM OF CURB/GRATE). CONTRACTOR TO CALCULATE NECESSARY STRUCTURE ELEVATIONS BASED ON THIS LOCATION.

ELM STREET SEWER UPGRADE PREPARED FOR CITY OF BIDDEFORD		BIDDEFORD MAINE		UTILITY PLAN		DRAWING INFO		CITY OF BIDDEFORD, MAINE ENGINEERING DEPARTMENT 205 MAIN STREET, P.O. BOX 566 BIDDEFORD, MAINE 04005 PHONE: 207-284-9118 WWW.BIDDEFORDMAINE.ORG		No.		REVISIONS		DATE		BY	
						DATE 06/20/2023											
						SCALE AS SHOWN											
						DESIGNED BY ORC											
						DRAWN BY											
						CHECKED BY		-									
SHEET NUMBER C-100																	

EASTERN EXCAVATION INC

October 11, 2023

City Of Biddeford
Jeff Demers
250 Main Street
Biddeford, ME 04005

RE: Elm St. Sewer Upgrade

Dear Jeff,

Eastern Excavation Inc., proposes pricing for sewer work on behalf of the above referenced project per drawings by the City of Biddeford, dated June 20, 2023.

Scope of work includes:

Saw cutting and removal of pavement, Traffic control, Installation of two sewer manholes, Installation of 60' +/- of 30" sdr 35 pipe, Build and install 16" watermain offset, Provide all backfill material and pavement. Provide cone, barrels, road plate and trenchboxes.

Total Sum NotTo Exceed \$95,841.00

Exclusion:

Unsuitable materials below sub-grade, ledge, pipe, Manholes, Bypass pumping

Hourly Rates:

40,000 LB excavator	\$195.00
18,000 LB excavator	\$175.00
Triaxel Dump truck	\$115.00
2.5 YD Loader	\$175.00
10,000 LB Roller	\$120.00
Forward Reverse com.	\$200.00 per day
Paver	\$250.00
5 Ton Roller	\$125.00
Trench Boxes	\$200.00 per day
Steel Plates	\$100.00 per day
Support truck	\$75.00
Supervisor	\$110.00

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PHONE: 207-774-7545 • FAX: 207-774-7991

Laborer	\$55.00
Lowbed	\$175.00

Thank you for the opportunity to quote this project. If you have any questions please call me at 774-7545.

Sincerely,

Robert A. Plummer III
President