



**CITY OF  
PORTLAND**  
Wastewater System  
Improvements Update  
CWSRF No. 5758-01  
October 3, 2022

**F&Vconstruction**  
Design-Build | General Contractor | Construction Manager

**FLEIS&VANDENBRINK**  
DESIGN. BUILD. OPERATE.

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**DISCUSSION TOPICS**

**FVC**

- Project Status
- Summary of Improvements
- Next Steps
- Discussion, Q/A

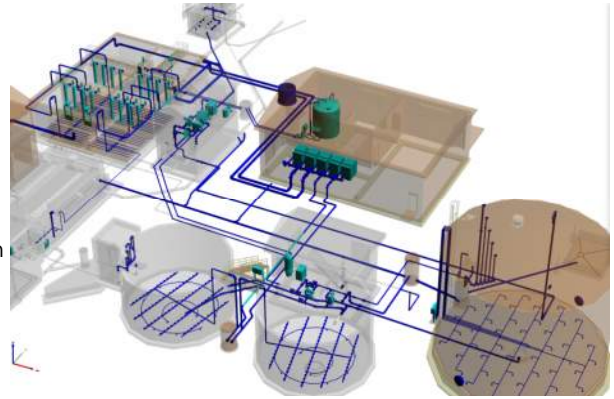


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## PROJECT STATUS



- Bids received on August 3<sup>rd</sup> and August 23<sup>rd</sup>
- Originally above the bond ceiling of \$13M
- Required scope modifications and post-bid negotiations.
- ~\$4.4M in scope/cost reductions
  - Largely collection system scope
- ~\$600k in savings without change in scope
  - One advantage of PDB process.
- Exhibit C – Step 2, Construction Authorization
  - GMP of \$12,750,000.00 (Matches August 15 Council Meeting Tentative Award Resolution)
  - Includes \$602,745.80 in contingency
  - Modifies DBIA Agreement Executed on 12/6/21
- Change Order No. 1
  - Incorporates work for the MDOT Rest Area
  - Adds Force Majeure clause

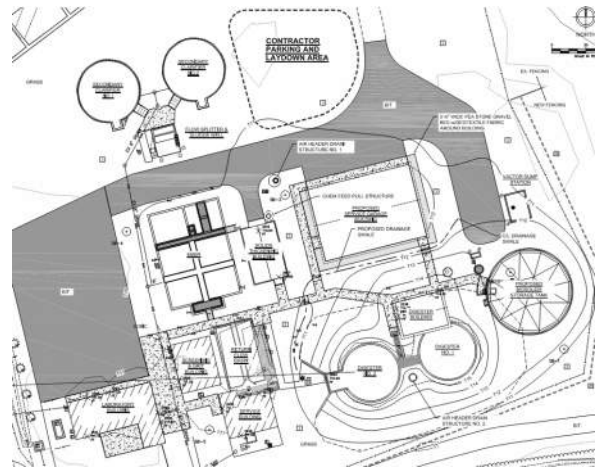


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## SCOPE OF IMPROVEMENTS



- Influent pump system replacement
- Influent screen replacement
- Biological treatment upgrades
  - New MBBR System
- Hydraulic capacity improvements
- Chemical feed system improvements
- Effluent bypass pumping connection
- Digestion improvements & Biosolids storage
- New service garage
- Site Improvements
  - Paving, sidewalks, and fencing
  - New plant drain for return flows
- Related piping, electrical, instrumentation and controls improvements

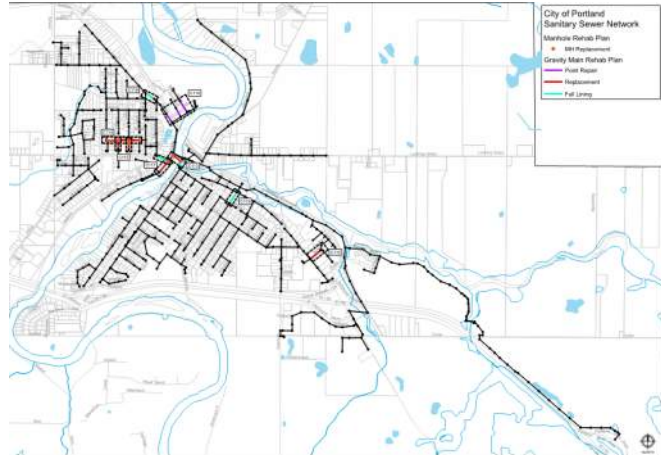


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## DEFERRED SCOPE



- WWTP Lab Building improvements
  - Break room
  - HVAC
  - Windows, doors, and other improvements
- Biosolids storage tank compressed air mixing system
- Lift station improvements
  - Pump, valves, & control improvements
- Sanitary sewer rehabilitation
  - River Crossing
  - Structural defects
  - I&I Reduction from flood events
- If there is remaining contingency, it can fund some of the deferred scope
- EGLE/CWSRF Intent to Apply
  - November 1, 2022



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## NEXT STEPS



	Timeline
Notice to Proceed	November 1, 2022
Site Mobilization*	March 1, 2023
Construction*	March 2023 – June 2024
Startup/Commissioning*	May 2024 – June 2024
Warranty Period/ Contract Closeout*	June 2025

*Note: \* These items are contingent on weather conditions, construction schedule, sequencing, and material procurement. The actual timeline may be adjusted based on these factors.*

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