



PUBLIC UTILITIES CURRENT AND UPCOMING PROJECTS 2024

True North Culture Statement

WE EXIST SOLELY TO SERVE THE CITIZEN.

We seek to efficiently provide the opportunity for our citizens and visitors to thrive. We will consistently act in the best interest of our citizens and foster a relationship built on trust. We are committed to being a safe community that is known for providing World Class Customer Service and being Open for Business.

Our Destination is EXCELLENCE.



METER REPLACEMENT PROJECT



- **Over the past year, meter serviced has completed over 1,081 Meter change outs. The goal is to replace 12,000 of 32,000 meters city-wide.**
- Project Status: Under Construction
- Project Cost: \$5 million
- Funding: CWSRF Loan, repaid by the 2019 half-cent water/wastewater CIP



WASTEWATER TREATMENT PLANT PHASE I



- Phase I aims to replace the administration building, influent pump station, grit removal system, trickling filter mechanisms, electrical conduit duct bank, electrical switchgear, automatic transfer switch for standby power, primary effluent pumps, polymer feed system, and several additional upgrades.
- Project Status: Under Construction
- Project Cost: \$85 million
- Funding: \$47mil & \$72.9mil CWSRF Loans



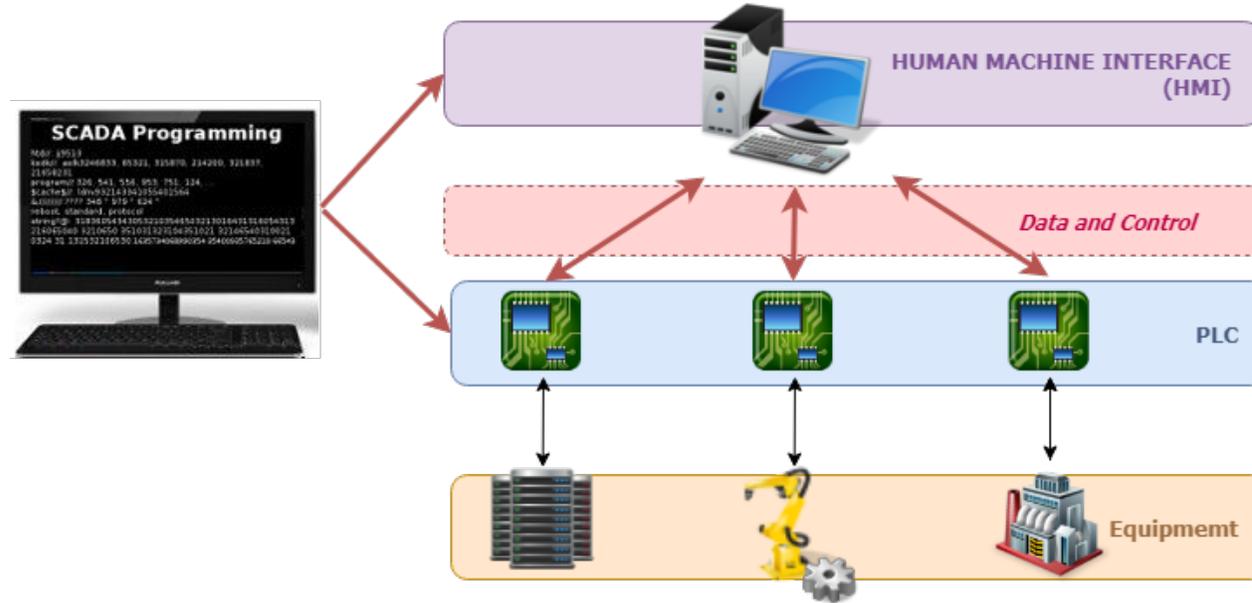
WASTEWATER TREATMENT PLANT PHASE II



- Phase II aims to expand solids handling, UV disinfection, and sludge digestion.
- Project Status: Under Design
- Design Cost: \$6 million; Total Project Cost: \$90 million
- Funding: \$6 mil 2023 Federal Communities Grant



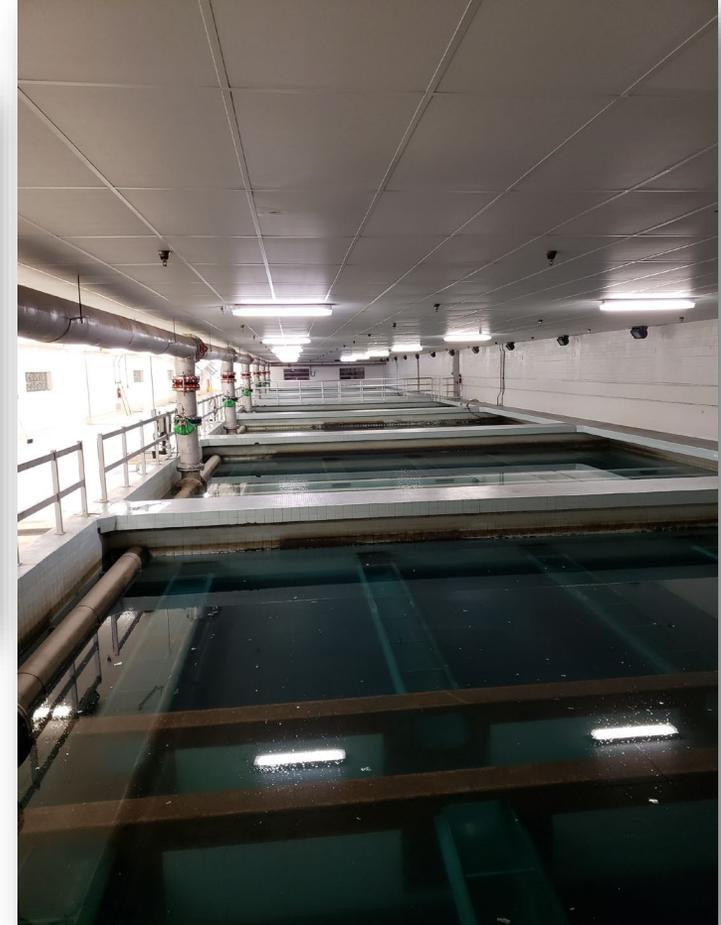
SCADA IMPROVEMENTS



- **New Supervisory Control And Data Acquisition (SCADA) systems are being installed at water towers, pump stations, and the Southeast Water Treatment Plant. This control system operates the water elevated storage tanks and pump stations as well as the plants through employee operator input.**
- Project Status: Under Construction
- Project Cost: \$6.2 million
- Funding: \$1.2mil 2019 Wastewater CIP; \$5mil DWSRF Loan with \$500,000 Debt Forgiveness



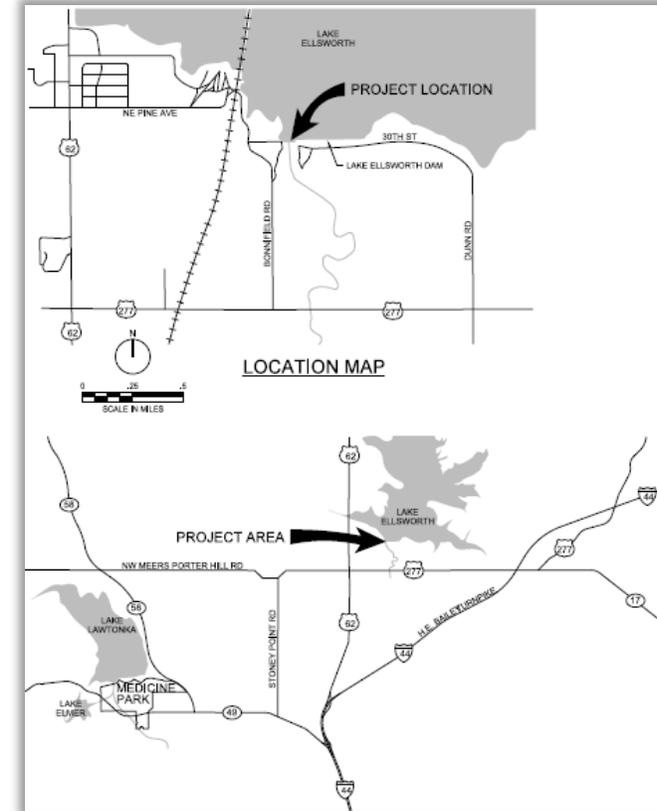
MEDICINE PARK WATER TREATMENT PLANT FILTER IMPROVEMENTS



- **Replacing one of the seven filter underdrains, which has failed and is out-of-service at this time. Installing new GAC (Granular Activated Carbon) in two of the filters**
- Project Status: Advertising/Bidding January 2024
- Project Cost: \$1.5million
- Funding: OWRB FAP Loan



ELLSWORTH SPILLWAY REHABILITATION PROJECT



- Design: Jacobs Engineering Group
- Project Status:
 - Advertising for Construction January 2024
 - Bid Opening February 20, 2024
- Project Cost: \$21 million
- Funding: \$10mil State Designated ARPA Grant; \$1mil Competitive ARPA Grant; \$1mil 2022 FEMA High Hazard Dam Grant; Remaining funds 2019 half-cent CIP



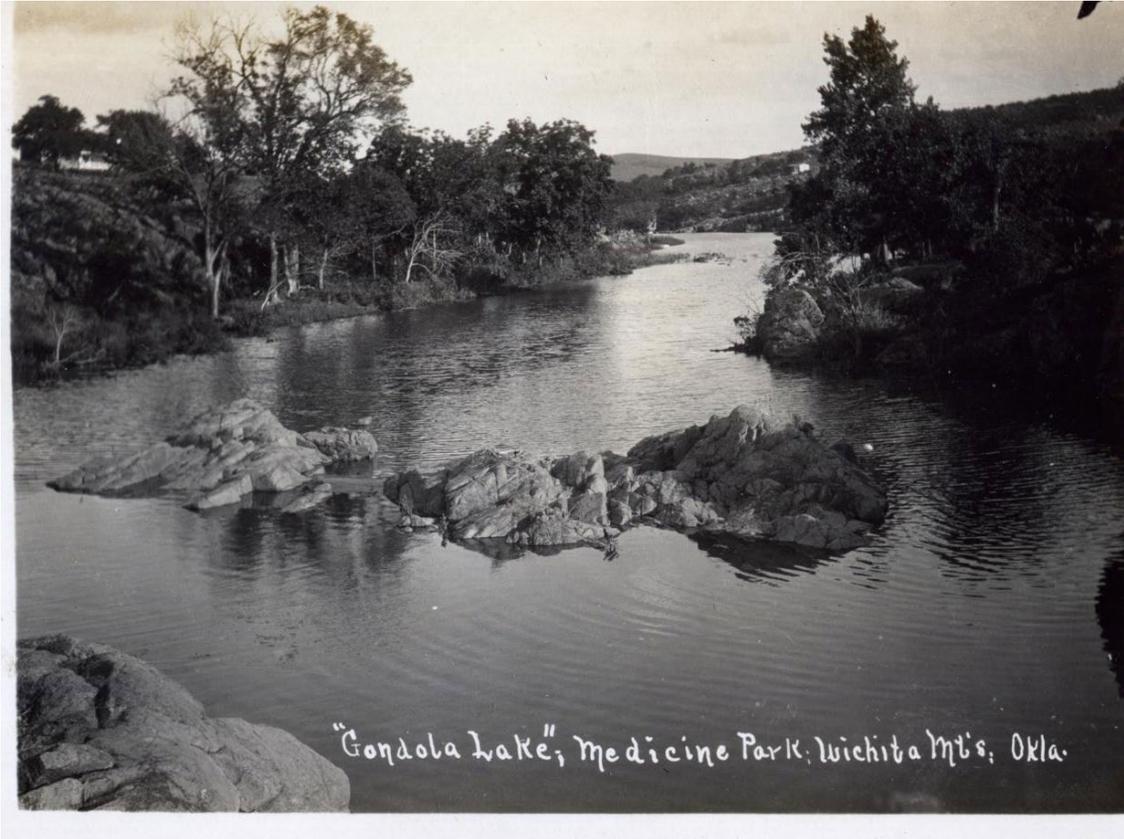
LAKES GATE OPERATION POLICY REVIEW & UPDATE



- A study and report on the gate operational policies and structural analysis of the dam gates structure at Lake Ellsworth and Lake Lawtonka.
- Project Status: Design Awarded to Jacobs Engineering
- Project Cost: \$300,000
- Funding: \$180,000 FEMA 2021 High Hazard Dam Grant; \$120,000 from 2019 half-cent CIP



GONDOLA LAKE DAM

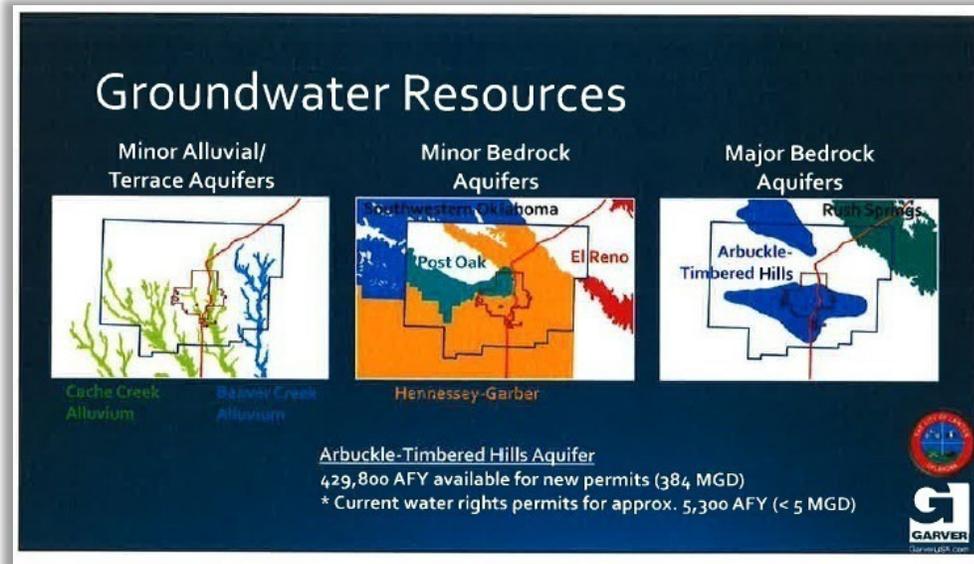


- **Rehabilitating the Dam at Gondola Lake**
- Project Status: Under Design, Jacobs Engineering
- Project Cost: \$3 million
- Funding: State Designated ARPA Grants

Bates, Edward. Gondola Lake, photograph, Date Unknown; (<https://gateway.okhistory.org/ark:/67531/metadc1590470/m1/1/>; accessed January 15, 2024), The Gateway to Oklahoma History, <https://gateway.okhistory.org/>; crediting Oklahoma Historical Society.



ALTERNATE WATER SOURCE LAWTON GROUNDWATER SUPPLY



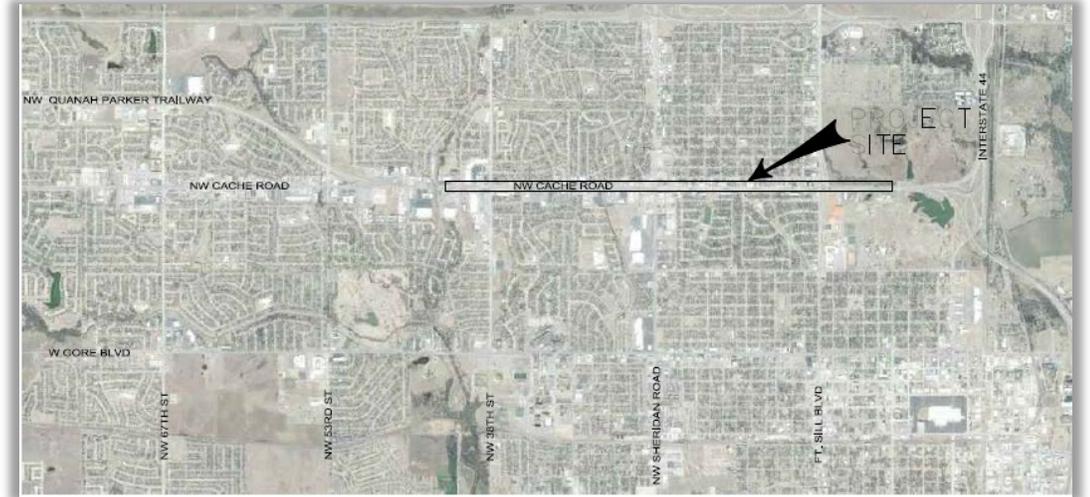
- Project 1: Well No. 1: Complete; \$1.2mil
 - Project 2: Treatment Pilot: Complete; \$350,000
 - Project 3: Groundwater Test Holes and 4 Production Wells: Awarded. Construction Cost \$9.2 mil
 - Project 4: SEWTP Sludge Handling & Treatment for the Groundwater: Designed at 5 MGD minimum with expansion to 10 MGD; Preliminary design complete; Est. Cost \$30mil
 - Project 5: Conveyance System: Conceptual Design Complete; Est. Cost \$15mil
 - Project 6: Wellhouse Project: Design Complete; Est. Cost \$1mil per wellhouse
- Project Cost: \$64mil
 - Funding: \$5mil Federal Communities Grant; \$8.4mil Department of Commerce Grant; \$2mil Competitive ARPA Grant. Remaining \$50mil FAP Loan, repaid by 2019 CIP.



CACHE ROAD WATER LINE REPLACEMENT



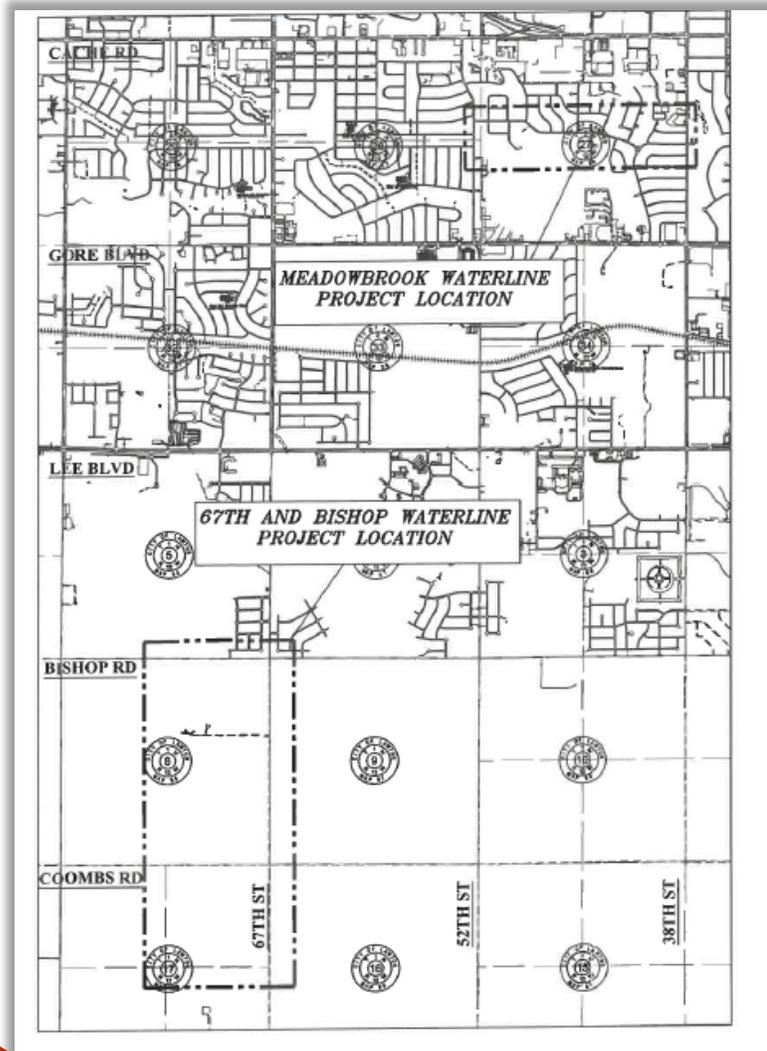
- Consisting of 2 separate projects: the 12" Line and the 30"/36" Line; this project is to replace old and outdated waterlines along Cache Rd.
- Project Status: Under Construction
- Project Cost: 12" \$9.6mil
36" - \$15.5mil
- Funding: \$28mil DWSRF Loans being paid for by 2019 half-cent water/wastewater CIP; \$1mil in debt forgiveness.





HIGH MAINTENANCE WATERLINE REPLACEMENT

MEADOWBROOK & 67TH ST



- **This project will replace approx. 125 miles of waterlines.**
- Maps 53, 58, 46, 45, 10, & 39: drafting scope for engineering services under master services agreement. Estimated to bid April 2024.

Project 1: Meadowbrook and 67th St Waterline Replacement:

- Design: City of Lawton
- Project Status Under Construction
- Construction Cost: \$6million
- Funding: DWSRF Loan repaid by 2019 CIP half-cent water/wastewater finds



HIGH MAINTENANCE WATERLINE REPLACEMENT

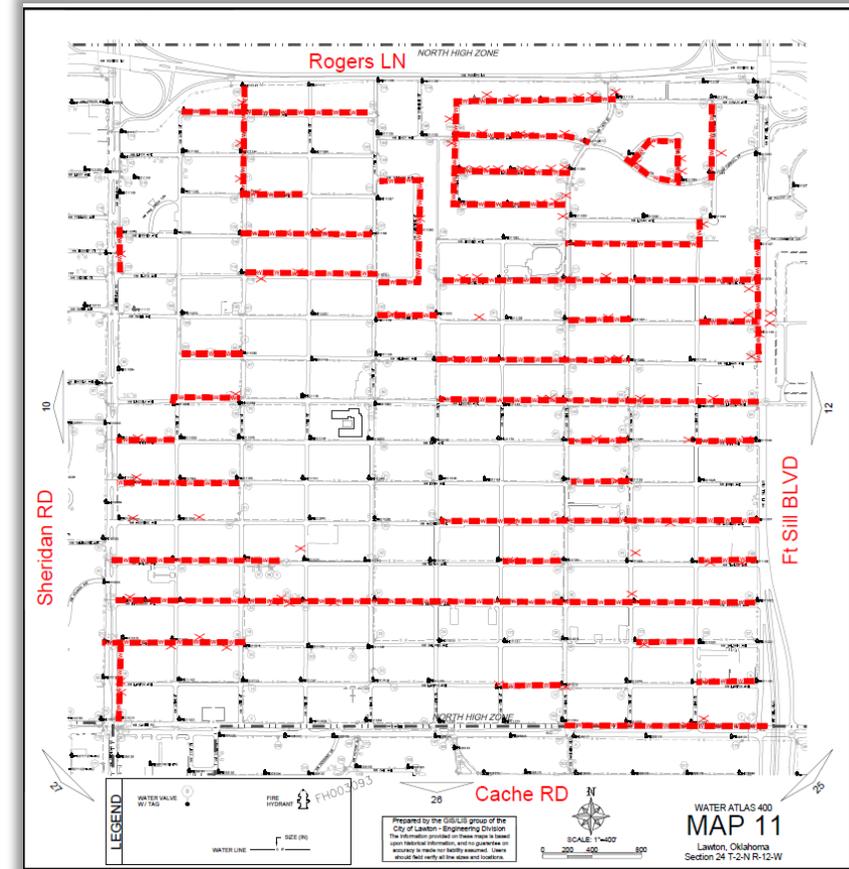
PROJECT 2: MAP 09- 40,000 LINEAR FEET

- Design: Jacobs Engineering Group
- Advertising for Construction Now, Bid opening February 13, 2024, Awarding March 12,2024
 - EST. \$10 MILLION
 - FUNDING: DWSRF LOAN



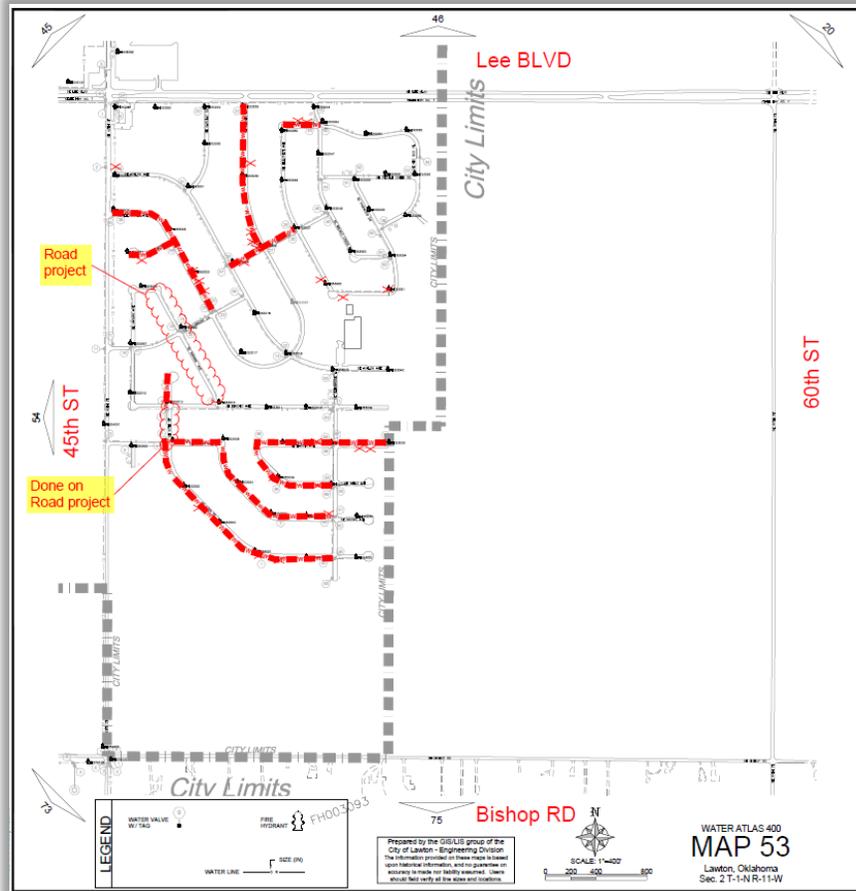
PROJECT 3: MAP 11- 47,000 LINEAR FEET

- Design: Garver
- Advertising for Construction January 2024, Bid opening March 5, 2024, Awarding April 9,2024
 - EST. \$12 MILLION
 - FUNDING: DWSRF LOAN

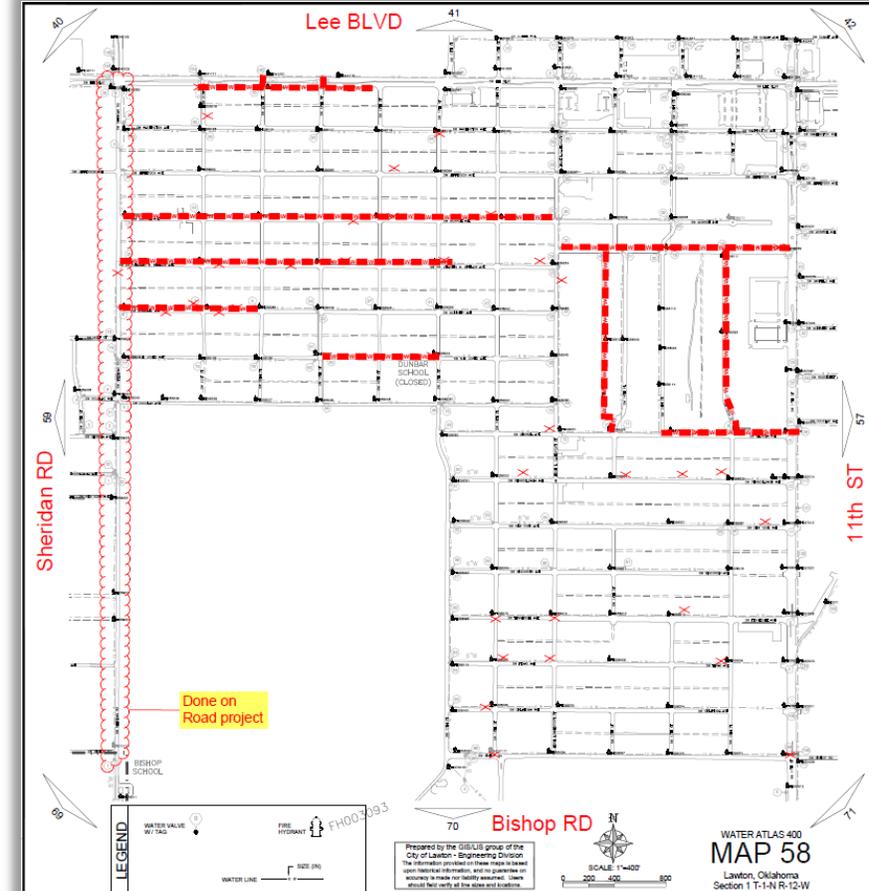




HIGH MAINTENANCE WATERLINE REPLACEMENT



MAP 53



MAP 58

UNDER DESIGN: GARVER

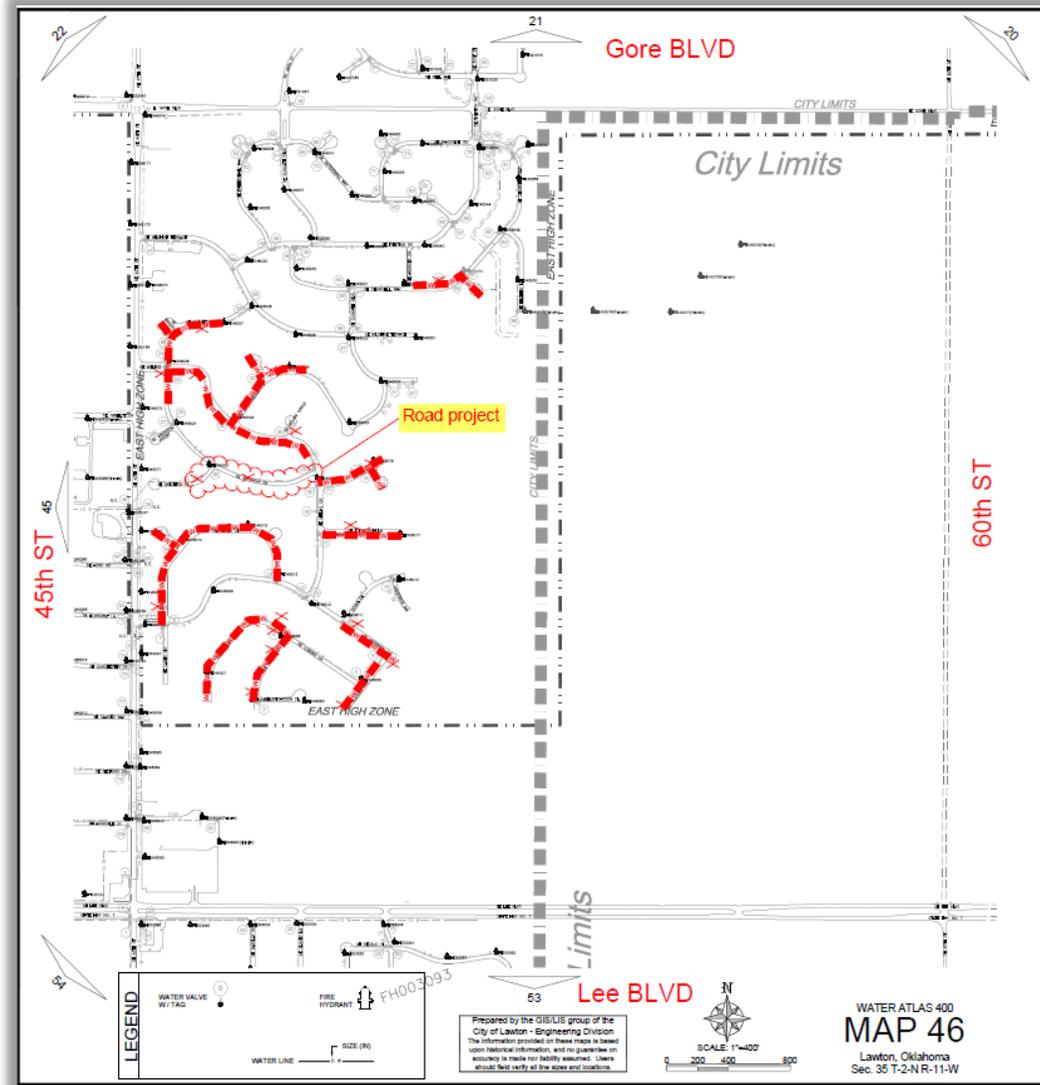
- Estimated Advertising for Construction August 2024
- FUNDING: DWSRF LOAN



HIGH MAINTENANCE WATERLINE REPLACEMENT

MAP 46

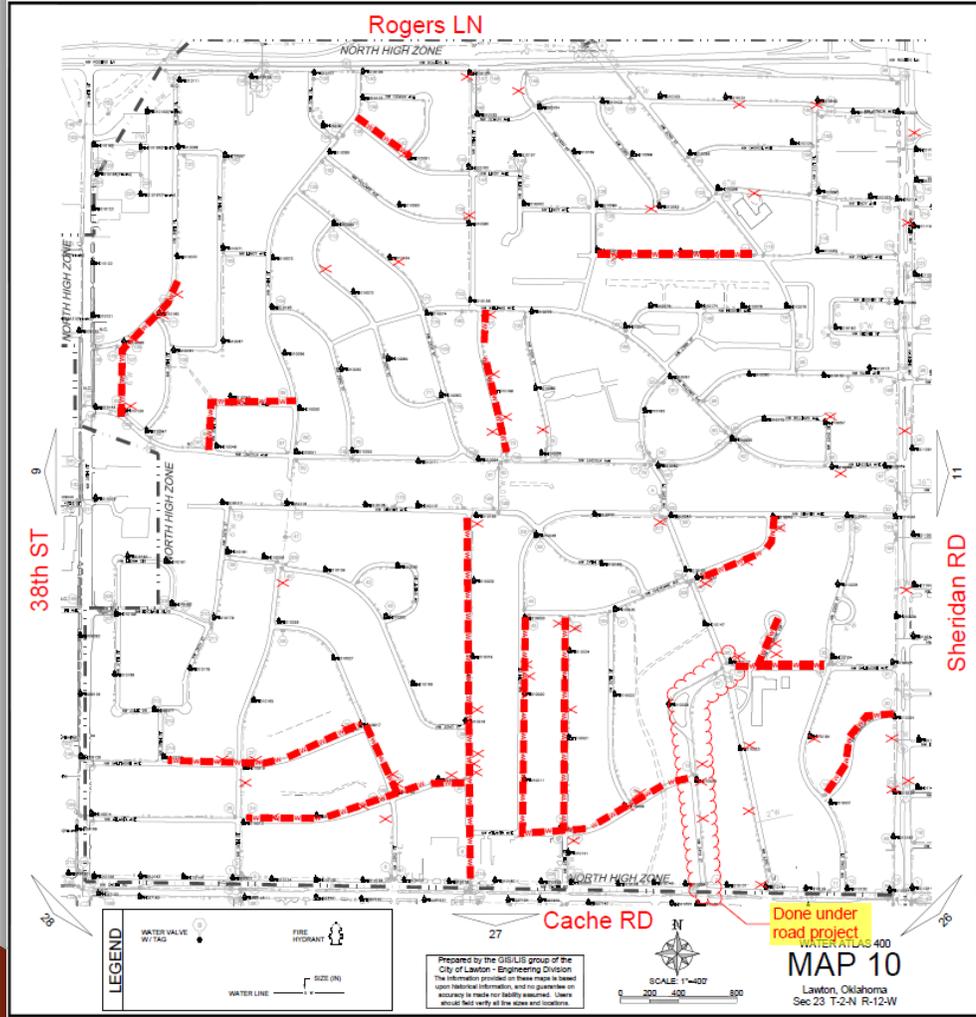
UNDER DESIGN: GARVER



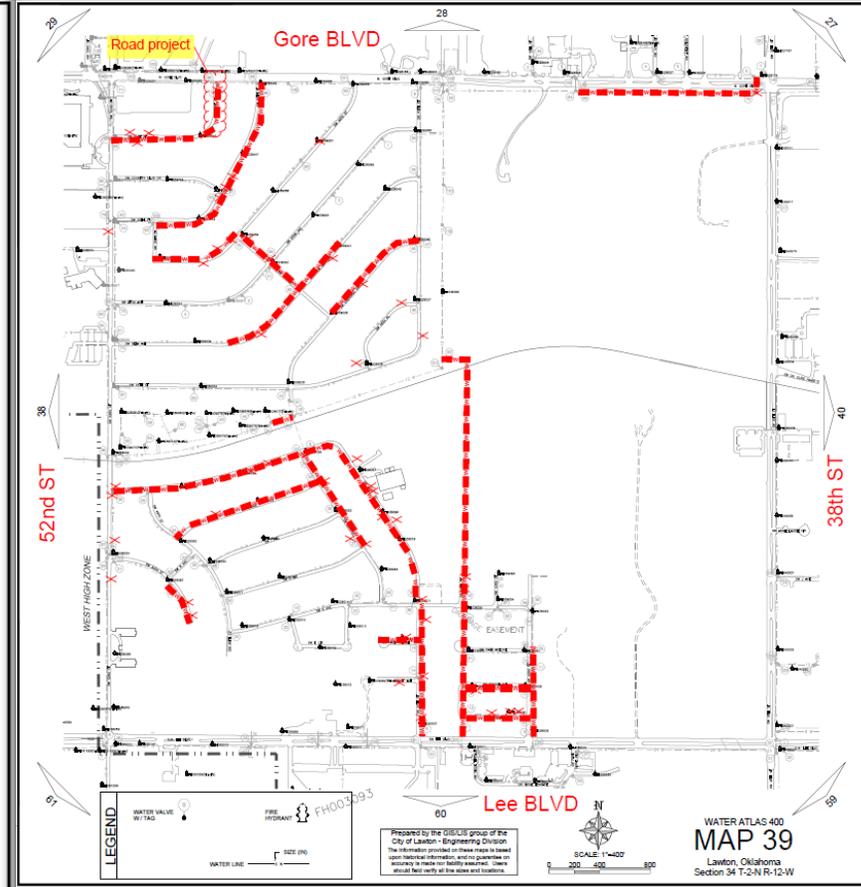


HIGH MAINTENANCE WATERLINE REPLACEMENT

MAP 10



MAP 39



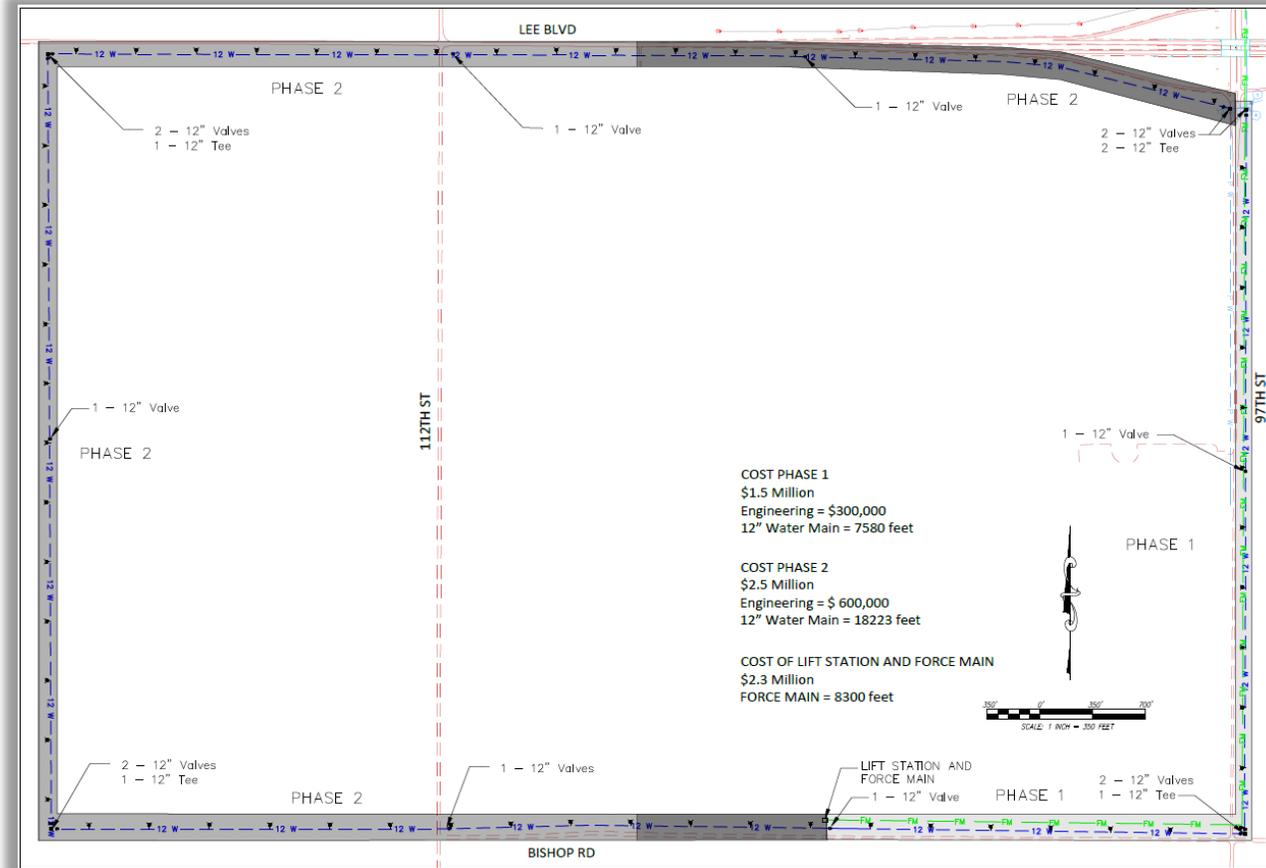
UNDER DESIGN: JACOBS

- Estimated Advertising for Construction August 2024
- ESTIMATED COST: \$10 MIL
- FUNDING: DWSRF LOAN



INDUSTRIAL WATERLINE EXTENSION

- This is to support the Southwest Industrial Park, of which Westwin Elements will be the first industrial development.
- Project Status: Under Construction
- Project Cost: \$3.2 million
- Funding: City ARPA Funds



- Phase II
- Project status: Under Design, Garver. Advertising May 2024
- Project Cost: \$4.2 million
- Funding: City ARPA Funds



SEWER REHABILITATION PROJECT



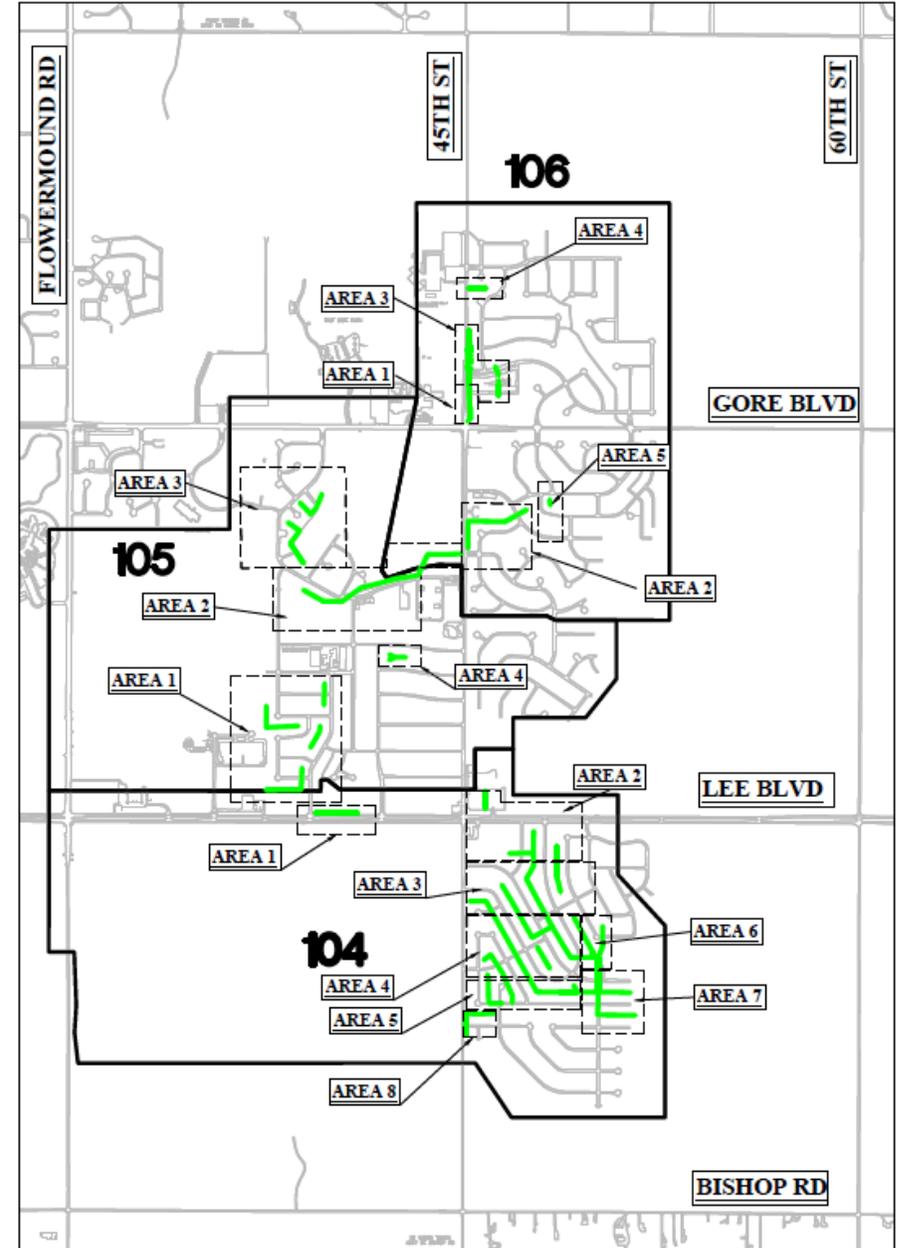
- Phase III of the Sewer Rehabilitation Program began in January of 2014. Seventeen Phase III projects have been completed and six projects are currently under construction. A total of over 175,000 feet of sewer line has been installed for Phase III projects, of which 10,023 feet was installed since January 2023.
- Project Cost: \$18 million
- Funding: Multiple year CIP



SEWER REHABILITATION PROJECT

Sub-basins 104; 105, & 106

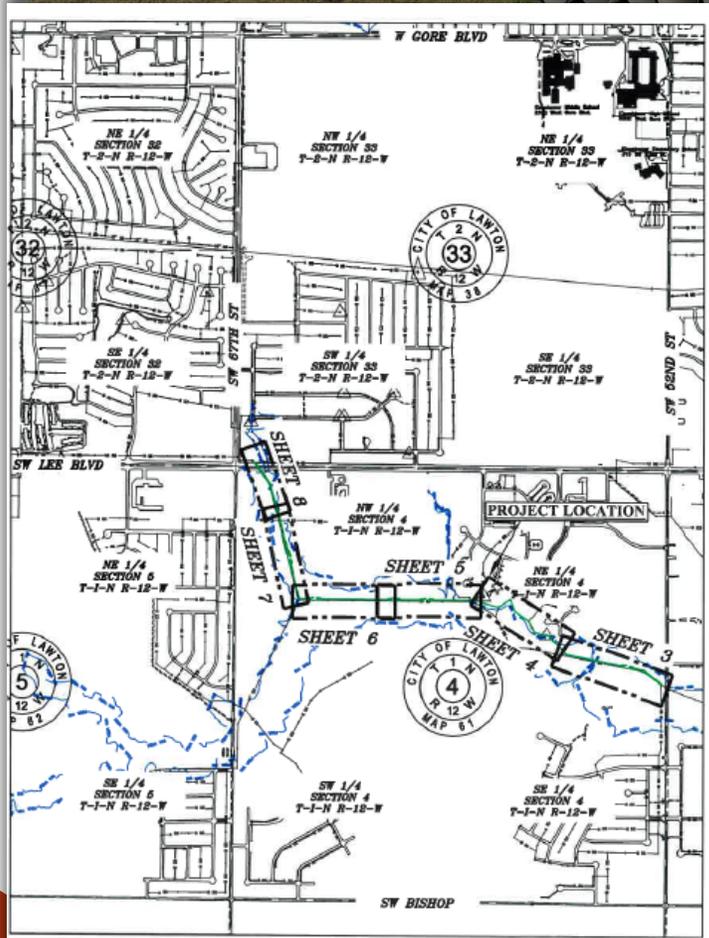
- **Pipe-Bursting Replacement of Sewer Lines**
- Design: City of Lawton
- Project Status: Set to Award Construction April 9, 2024
- Project Cost: \$3mil





SEWER REHABILITATION PROJECT

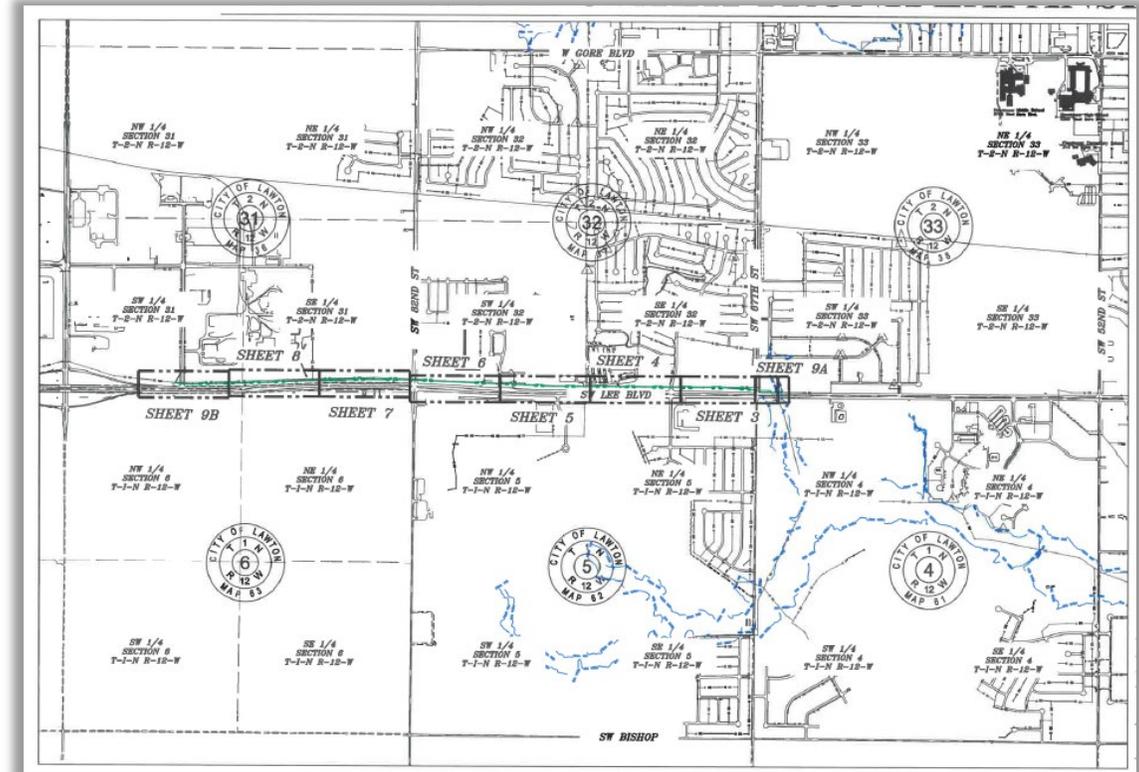
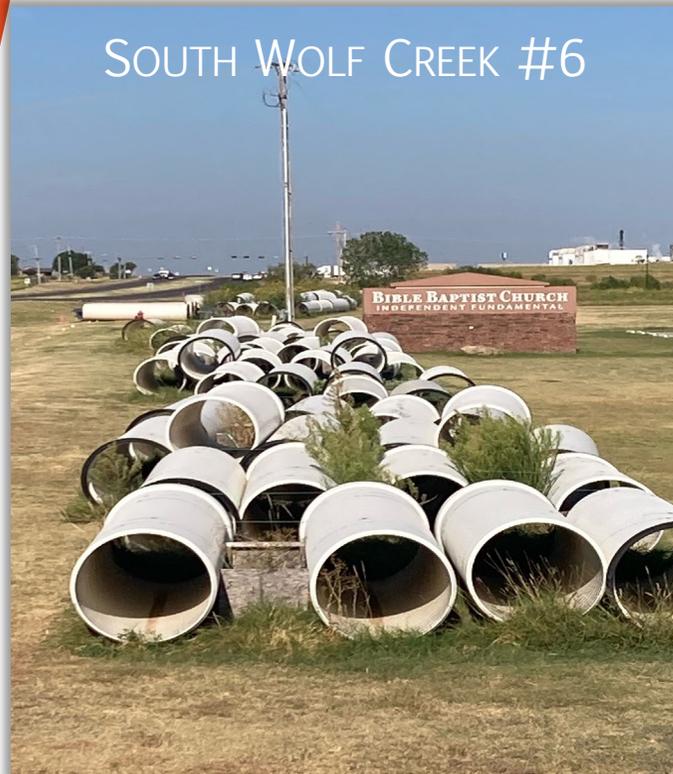
SOUTH WOLF CREEK #5



- Design: City of Lawton
- Project Status:
 - Awarding March 26, 2024
 - Starting Construction April 2024
 - Construction Completion October 2024
- Project Cost: \$5mil
- Funding: CWSRF Loan



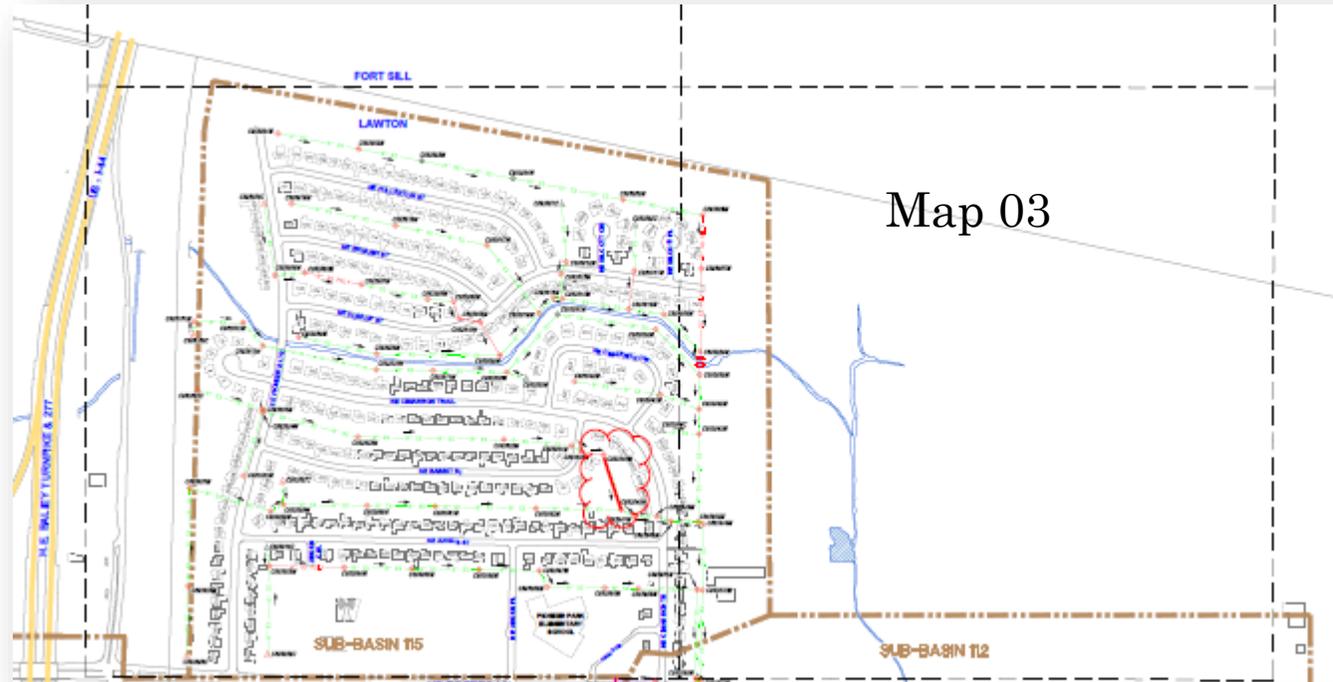
SEWER REHABILITATION PROJECT



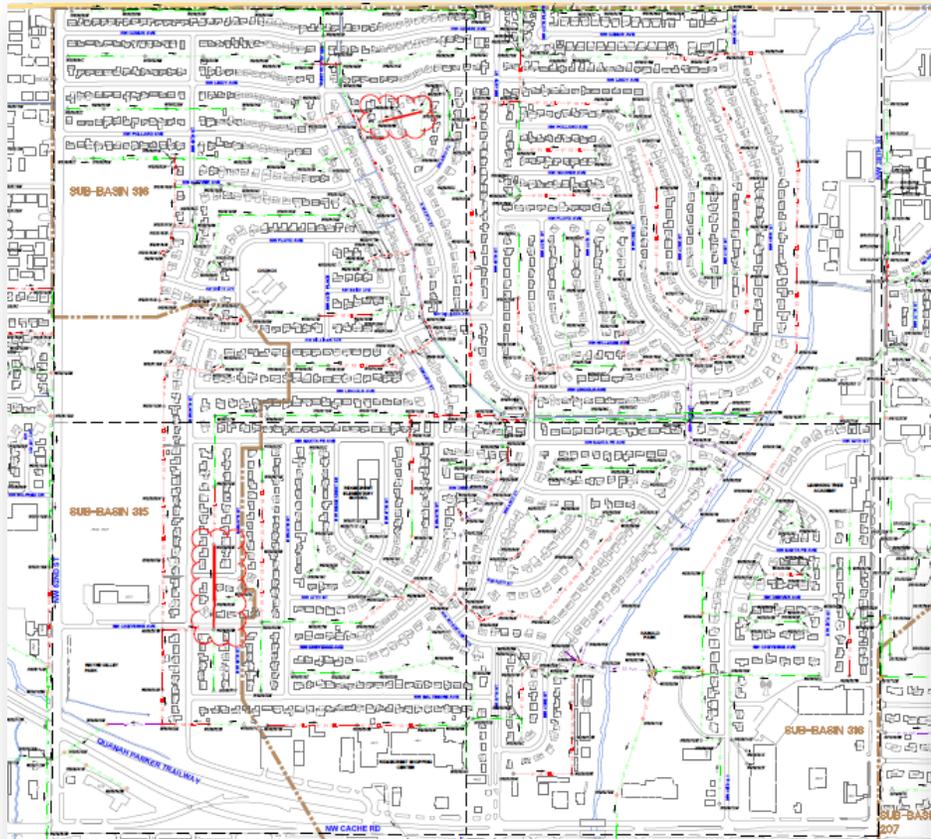
- Design: City of Lawton
- Project Status: Under Construction- In-House SSC Division
- Project Cost: \$6mil
- Funding: 2019 CIP/CWSRF Loan



2024 SEWER SYSTEM REHABILITATION

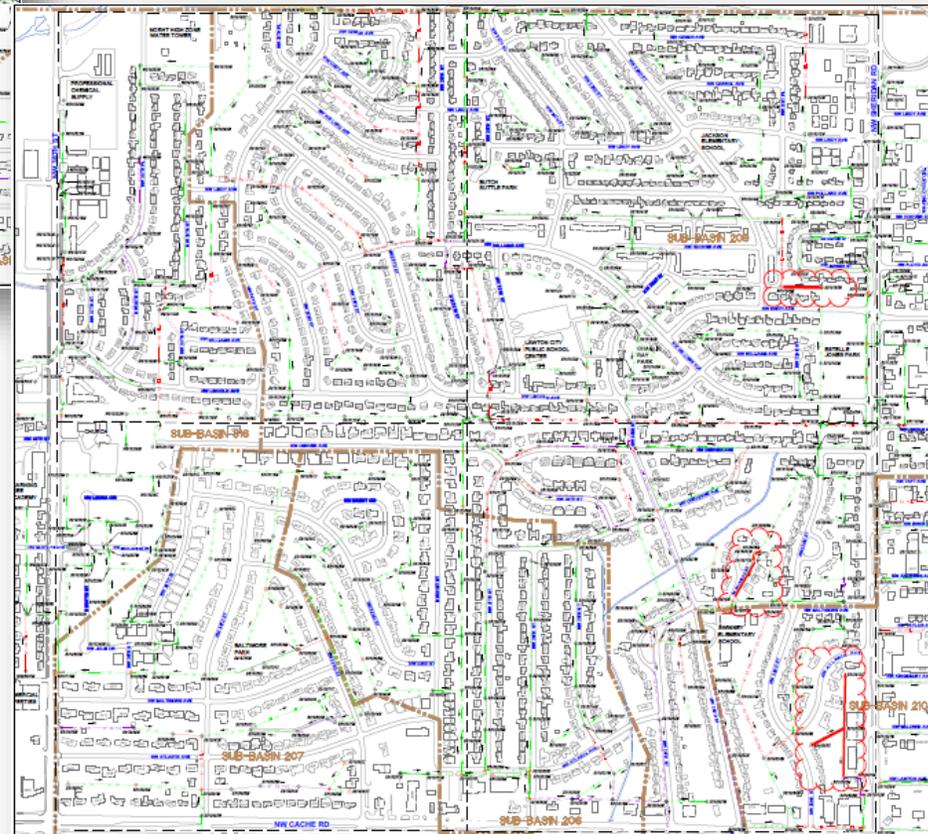


- **Phase IV of the Sewer Rehab Program. This project aims to replace and rehabilitate sewer lines all over the city.**
- Maps include: 3, 9, 10, 11, 12, 28, 29, 30, 37, 39, 41, 42, 43, 46, 58, 59, and 60
- Project Status: Under Design, Jacobs Engineering
- Project Cost: \$10 million
- Funding: CWSRF \$30 million Loan

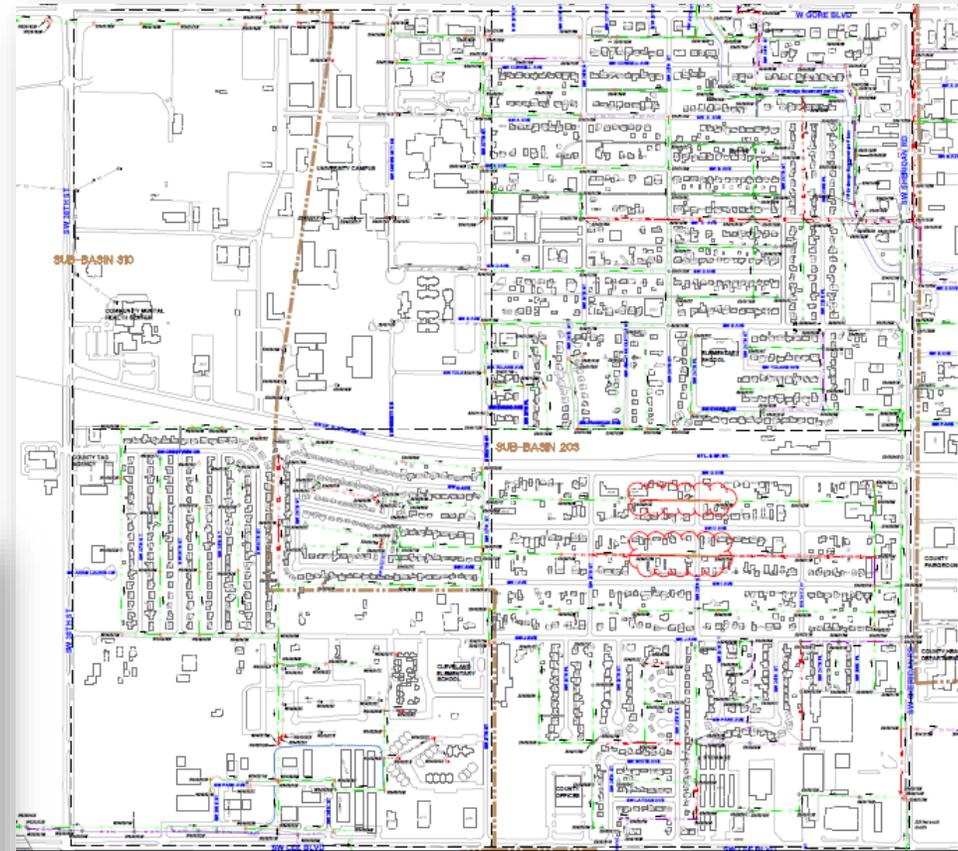


Map 09

Map 10



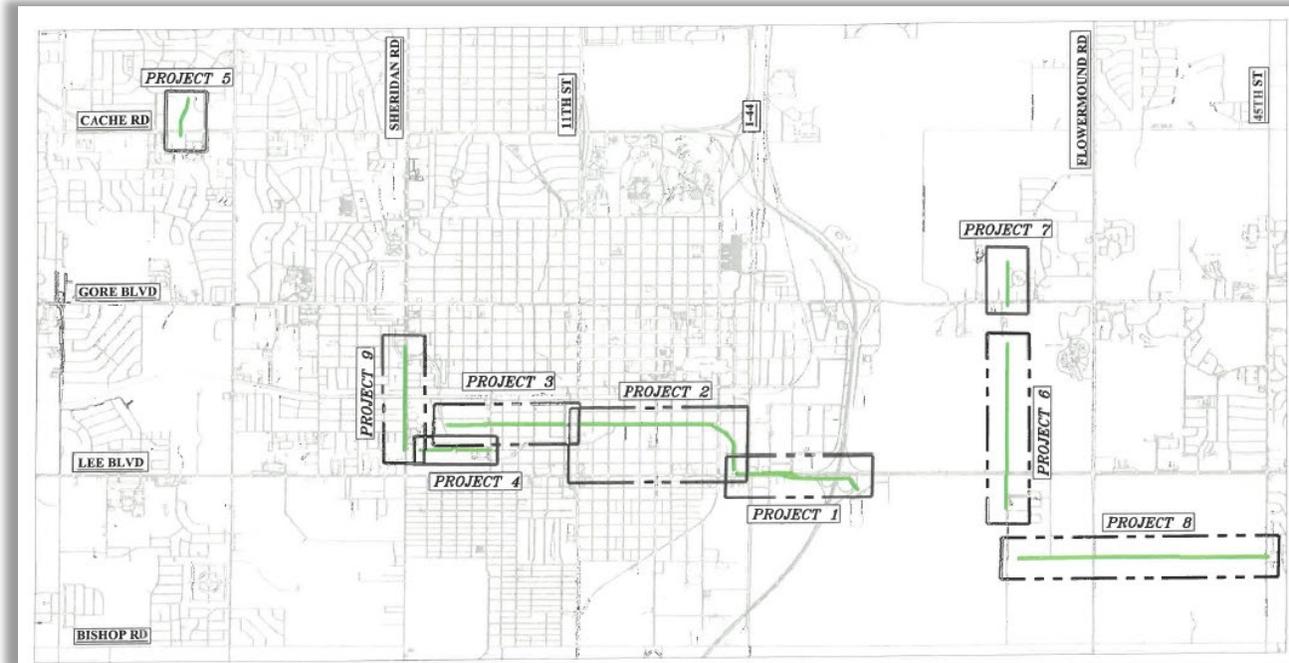
Map 11



Map 28



2023 CIPP LINER PROJECT



Cured-in-Place Pipe (CIPP) rehabilitation is a realistic and cost-efficient alternative to extend the life of existing sewer lines. This procedure offers rehabilitation for pipes without the need to dig into the existing pipeline.

Lining 35,000 ft of 18-36" sewer lines.

- Project Status: Under Construction
- Construction Cost: \$8.5 million
- Funding: CWSRF Loans



2024 CIPP LINER PROJECT



Before



After

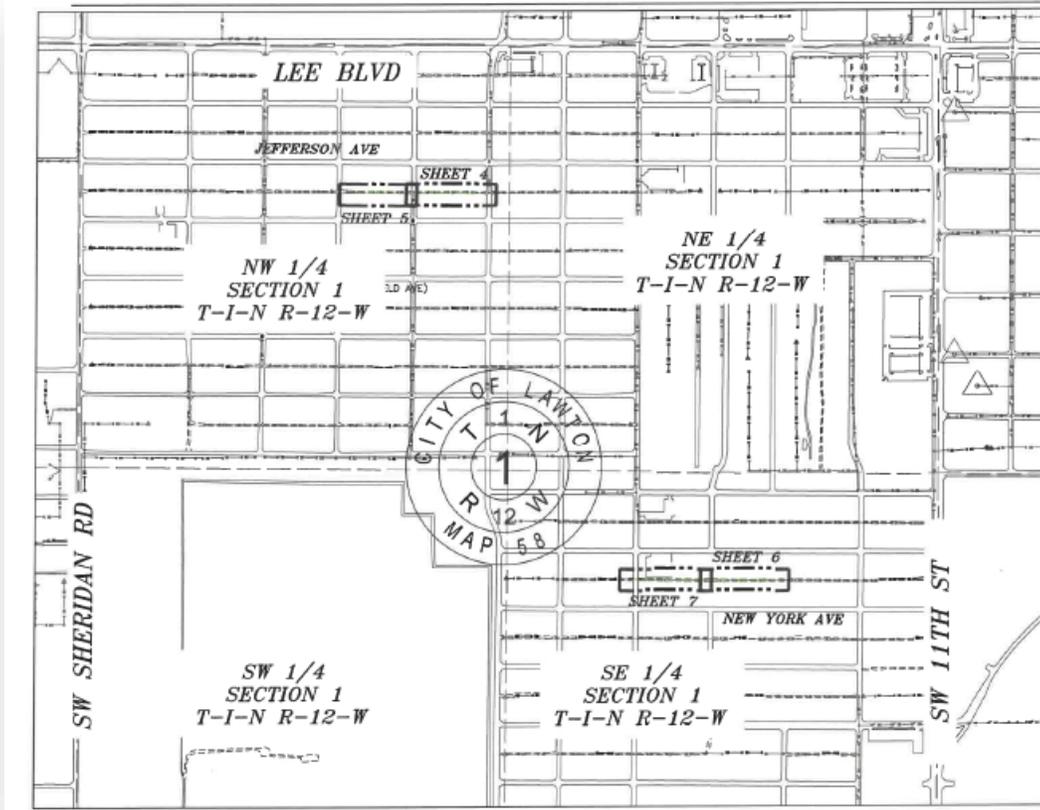
Photo Credit: Paragon Systems for "Materials Testing"
<https://paragonsystems.net/what-is-cured-in-place-pipe/>

Identifying more Sewer mains that need rehabilitation.

- Project Status: Under Design, Garver
- Estimated Cost: \$5 million
- Funding: CWSRF Loans



2021 CDBG SEWER PROJECT



- Replacing approximately 1600 LF of sewer line
- Project Status: Awarded, Starting Construction April 2024
- Construction Cost: \$242,150
- Funding: Community Development Block Grant



BELMONT LIFT STATION REPLACEMENT



- **Replacing the Belmont lift station and force main that causes chronic SSOs (Sanitary Sewer Overflows)**
- Project Status: Under Design, Jacobs Engineering Group
- Project Cost: \$1 million
- Funding: CWSRF \$30 million Loan

TOTAL COST OF PROJECTS
CURRENTLY IN DESIGN OR
CONSTRUCTION



\$320 MILLION

EVEN MORE IN '24!

COMING JULY 2024

\$50 MILLION FOR WATERLINE DESIGN AND CONSTRUCTION

\$50 MILLION FOR SEWERLINE DESIGN AND CONSTRUCTION



THANK YOU FOR JOINING US!