Water Main Replacement

Along W. Gregory Boulevard, Ward Parkway to Wornall Road
Meeting Logistics and Protocols

- This meeting is being recorded. The recording will be posted on the KC Water website after its conclusion.

- If you wish to ask a question, please use the “Show Conversation” or “Raise Your Hand” feature at the top of your screen.

- If you are participating by phone and wish to ask a question, please address the meeting moderator when comments or questions from phone participants is requested.

- If you still have questions after the meeting, please contact the Project Manager. Contact information will be provided at the end of the presentation.
Project Team

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- Angie Cumberford  
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- Greg Maupin  
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THREE UTILITIES

Water
- 1 Water Treatment Plant
- 18 Pump Stations
- 2,800 Miles of Water Main
- 35,000 Valves
- 23,000 Fire Hydrants

Wastewater
- 6 Wastewater Treatment Plants
- 39 Pump Stations
- 2,800 Miles of Sewer Main
- 67,000 Manholes

Stormwater
- 630 Miles of Storm Sewer
- 53,000 Storm Inlets
- 15 Stormwater Pump Stations
- 13.5 Miles of Levee
Water Main Replacement Program

- KC Water distribution system includes ~2,800 miles of water mains.
- Some water mains date back to the 1800s.
- Aging infrastructure is a nationwide challenge.
- KC Water WMR Program is to replace 1% per year, or 28 miles, each year.
- The WMR Program is in its 8th year, and we’ve replaced more than 200 miles to date.
Data-Driven Priorities

- Evaluation of water main condition
- Risk of water mains is determined based on:
  - Likelihood of Failure
  - Consequence of Failure
- WMR Projects are developed and designed; new mains are zinc coated ductile iron wrapped in a polyethylene sleeve.
- This long-term infrastructure plan will reduce service interruptions due to breaks, reduce costs, and increase capacity and fire protection.
Upgrading Your Water Mains
What to Expect

Setup:
- Material delivered to jobsite and traffic control plan implemented.
- Saw cut pavement, utilities marked, and various locations potholed to verify elevations.

Construction:
- Excavate narrow trench to install new water main along project limits.
  - Water service will be interrupted, but you will be notified prior to any scheduled outages
- Excavate to construct temporary connection; Test and disinfect the new water main.
  - Testing may take a week or more; you’ll see little activity
- With both new and old water mains in service, transfer customer service lines to the new pipe.
  - If your meter is inside, we’ll remove it and install a new one in your yard
- Construct permanent connection and abandon the old water main.

Restoration:
- Affected curbs, driveways, and other pavement will be restored per KCMO Public Works Department Standards.
- Disturbed established lawn areas will be restored after work is completed and as the season permits.

Keep In Mind:
- Large equipment will be in use, creating noise and dusty conditions.
- Ordinary travel routes may be temporarily restricted.
- The new water main will reduce the chance of a water main break in the future.
- The new water main will enhance the fire protection within the neighborhood.
Schedule and Logistics

- Anticipated Duration: February 2022 to October 2022
- For more information:
  - Postcard invitation to this meeting
  - www.kcwater.us/projects/current-projects and find this project for an information sheet

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QUESTIONS?
THANK YOU.

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