



Water Main Replacement

IN THE AREA OF JEFFERSON STREET TO LYDIA
AVENUE, E. 99TH TERR. TO E. RED BRIDGE ROAD

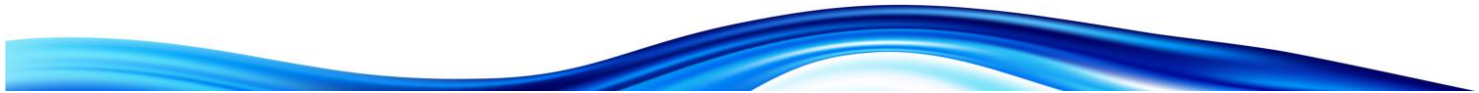


Meeting Logistics and Protocols

- 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

- Jeff Martin, PE Chief Engineering Officer, KC Water
- Melanie Jollett, PE Water Distribution Division Head, KC Water
- Davis McDonald-MacLin Project Manager, KC Water
- Sean Allen Resident Inspector, KC Water
- Royce Hettinger Project Manager, Hettinger Excavating
- Bret Hettinger Supervisor, Hettinger Excavating



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.

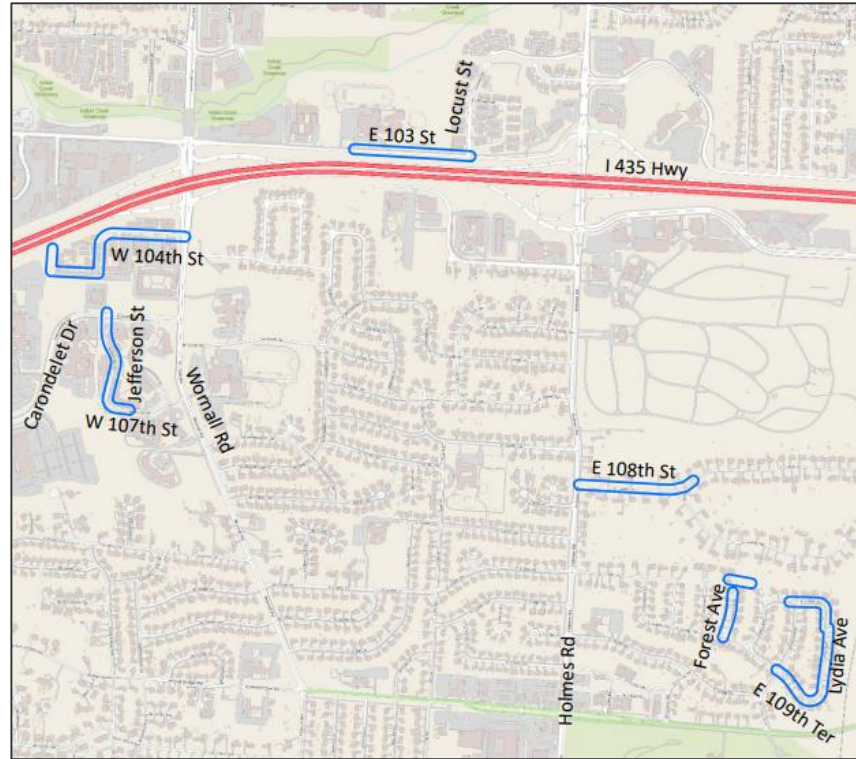


Data-Driven Priorities

- 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:

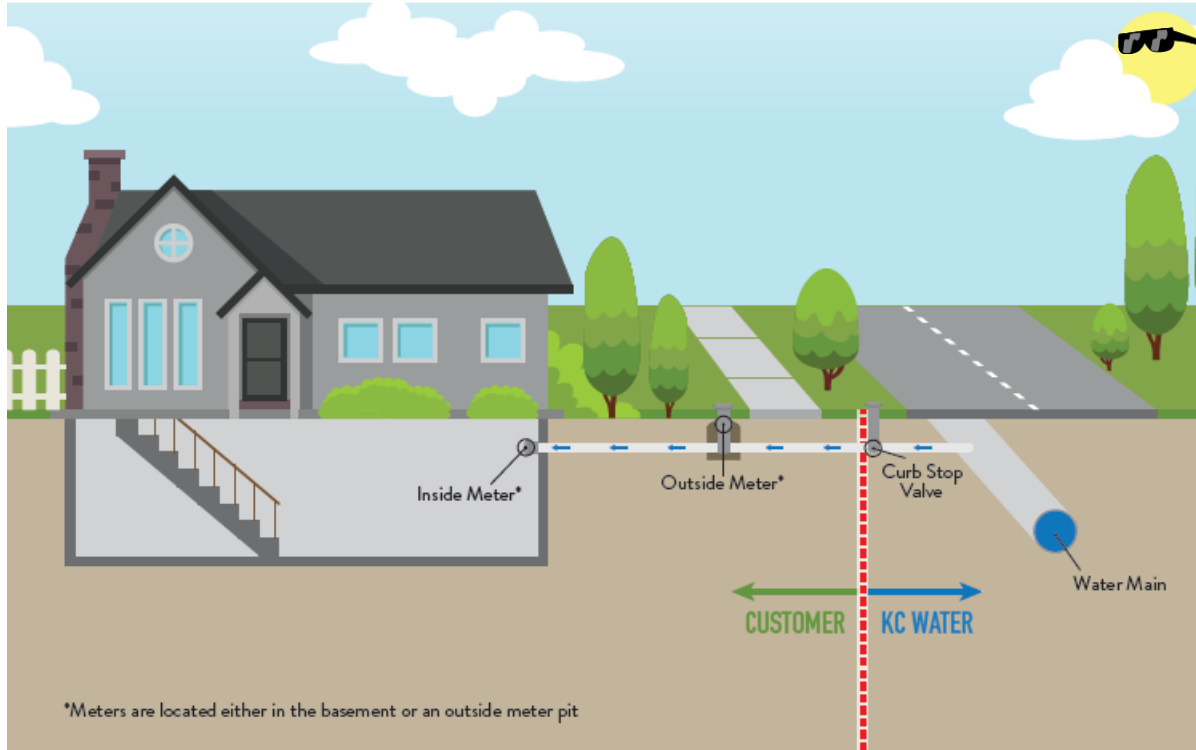
- Excavate narrow trench to install new water main along project limits.
 - *Water service will be interrupted, but you will be notified prior to any scheduled outages*
- Excavate to construct temporary connection; Test and disinfect the new water main.
 - *Testing may take a week or more; you'll see 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:

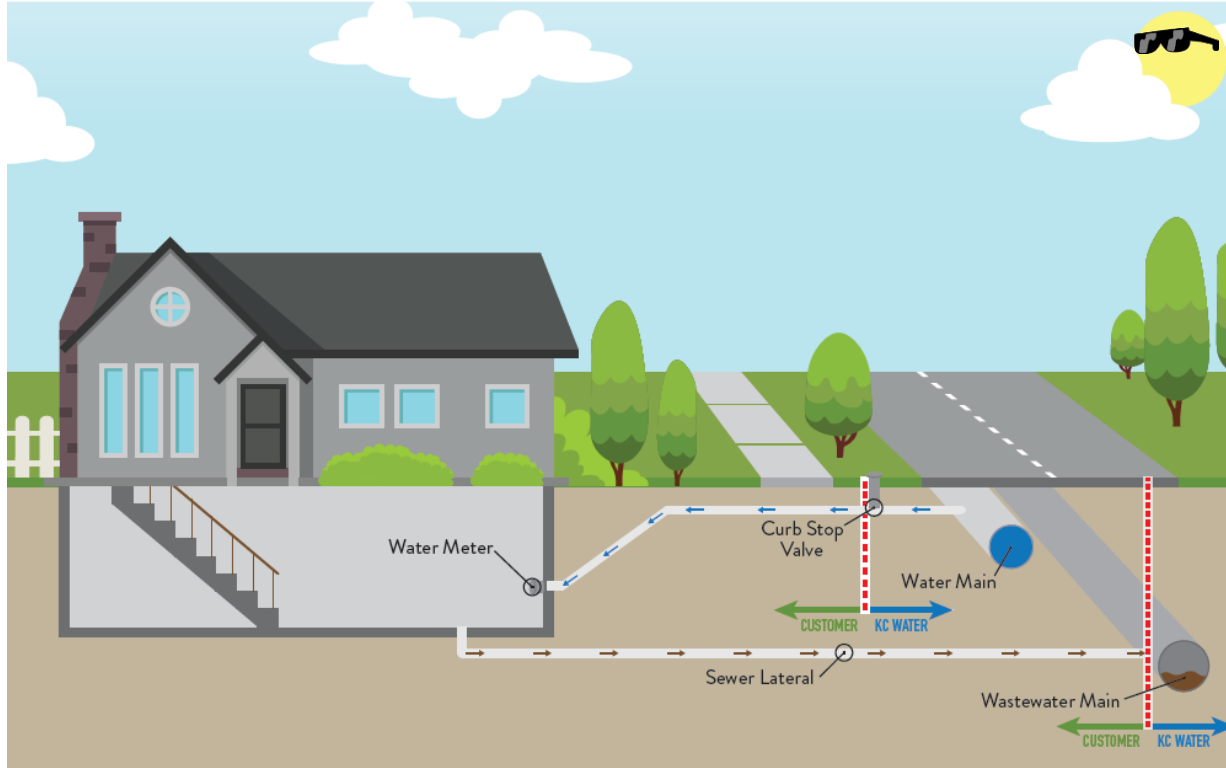
- Affected curbs, driveways, and other pavement will be restored per KCMO Public Works Department Standards.
- Disturbed established lawn areas will be restored after work is completed and as the season permits.

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.



*Meters are located either in the basement or an outside meter pit



Schedule and Logistics

- Anticipated Duration: December 2021 to June 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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