



KC Water
Water Main Replacement Program

75th Street - State Line Rd. to Troost Ave.
Neighborhood Meeting

August 8, 2019, 6:00 P.M.



Agenda

- Introduction
- Meet our team & public officials
- Overview of the Water Main Replacement (WMR) Program
- Details of this WMR Project
- Meet our Contractor, Rodriguez Mechanical
- Expectations during the work
- Schedule of construction work
- Communications
- Future Public Works road improvement project
- Questions and Plan Review
- Contact information

KC Water Team

- Terry Leeds – Director
- Matt Bond – Chief Engineering Officer
- Mark Griffin, P.E. – Systems Utility Engineering Manager
- Kirk Rome, P.E. – Engineering Manager Water Distribution System
- Jerry Stevens, P.E. – Project Manager
- Terry Thomas – Project Manager
- Todd Hawes, P.E. – Manager Engineering Field Services
- Sean Allen – South Area Field Inspector
- Michael Grimaldi, Heather Frierson - Communications and Outreach

Kansas City Councilmembers



Ryana Parks-Shaw
5th District



Kevin McManus
6th District



Lee Barnes, Jr.
5th District-at-Large



Andrea Bough
6th District-at-Large

General Contractor: Rodriguez Mechanical Contractors

- Joe Rodriguez
- Ronnie McGarrah – Project Manager
- Brad Webb – Project Manager
- Jarrod Warner – Onsite Superintendent



RODRIGUEZ
MECHANICAL CONTRACTORS, INC.

Project Overview

- Replacing 5.8 miles of 4-inch, 6-inch, 8-inch and 12-inch old distribution water mains
- Replacing 20-inch transmission main with 24-inch
- Replacement to increase reliability and capacity.



Kirk Rome, P.E. – Engineering Manager

Water Distribution System



Water Main Replacement Program

- KC Water's goal is to replace **1% per year or 28 miles** of the 2800 mile system.
- We are in the fifth year of our 100 year program with about **150 miles replaced** thus far.
- We have water mains that are still in service dating back to the late **1800's**.
- Approximately 600 miles of existing mains are between **100 and 140 years old**



Water Main Replacement Program

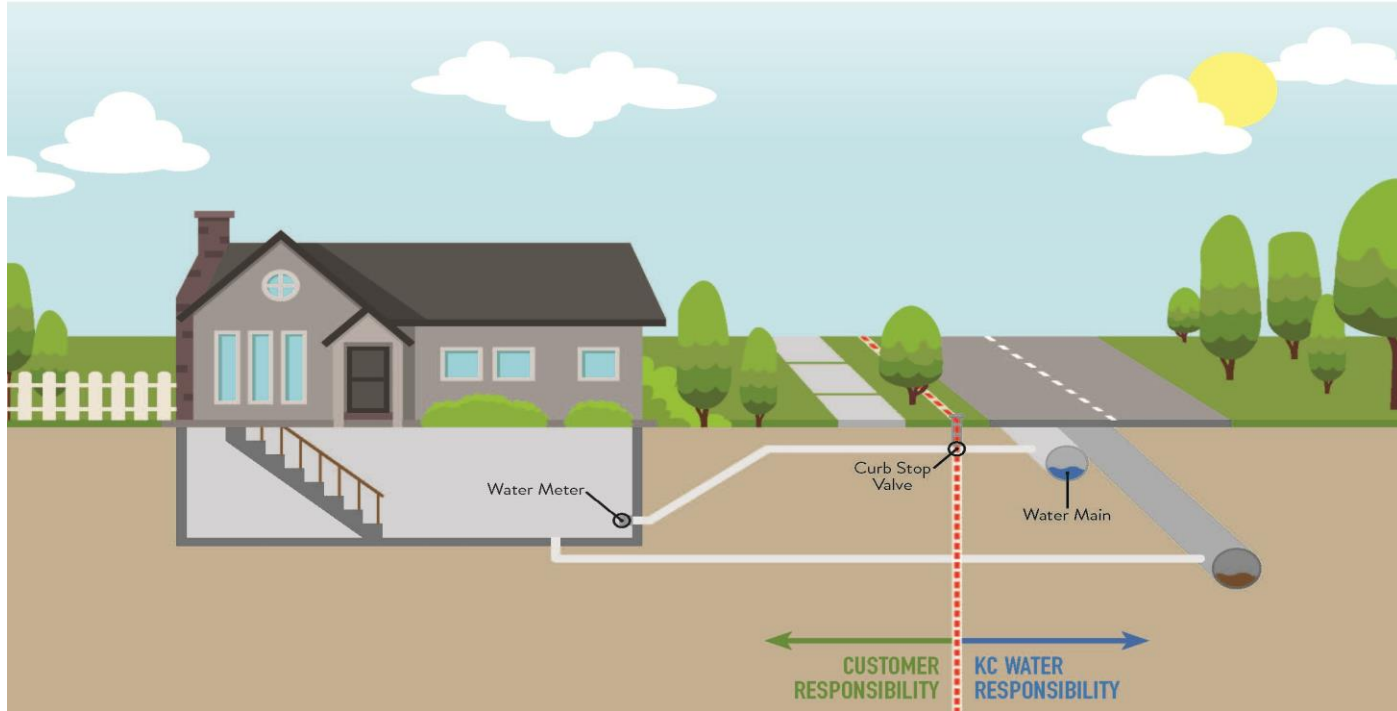
- The **28 miles of replacement** is divided into 13-18 projects per year and we have a continuous rotation of 13-18 projects under **design and 13-18 under construction.**
- Our new pipe consists of zinc-coated ductile iron pipe with polywrap. It is designed for a **100+ year** service life.
- Our long-term infrastructure plan will reduce service interruptions due to **breaks**, reduce **costs**, and increase **capacity and fire protection.**

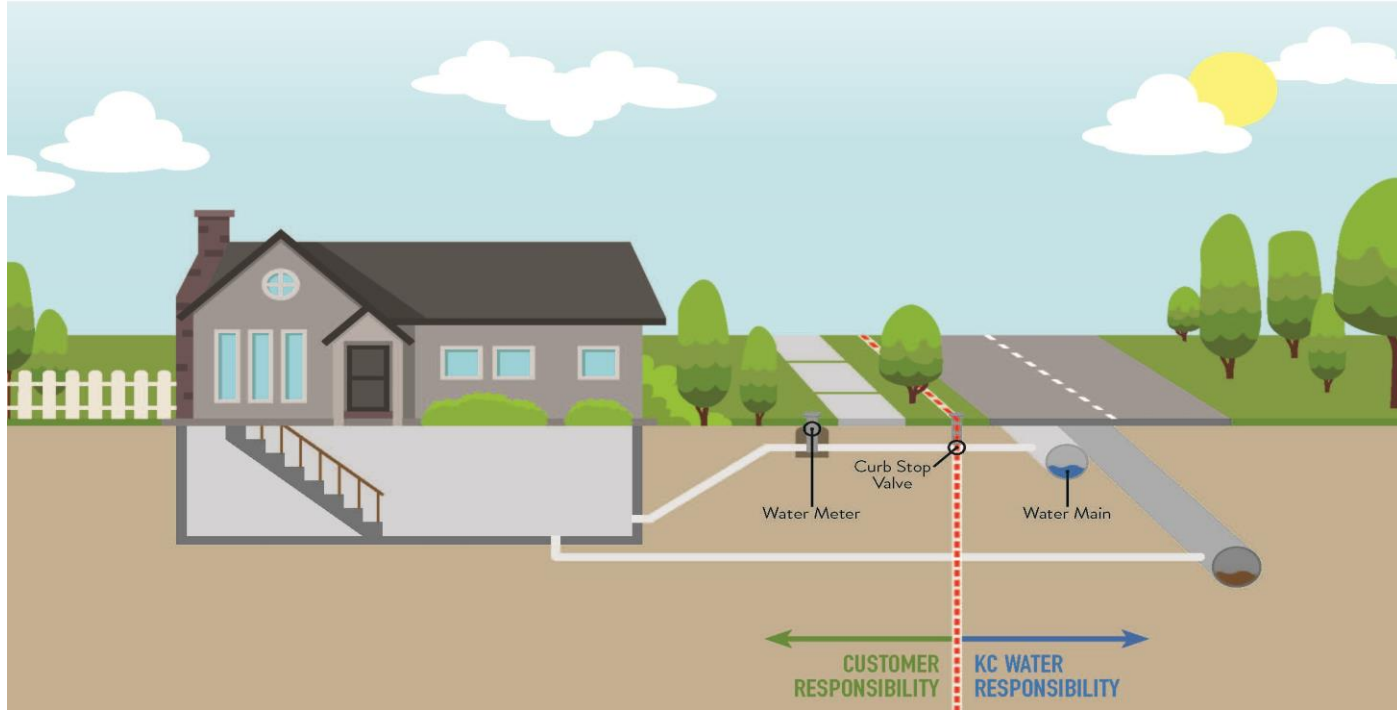


Water Main Replacement Program

- We are replacing the “Worst condition mains first” based on an in-depth analysis of the entire water distribution system.
- The system was analyzed as 70,000 individual segments and given a rating for Probability of Failure based on data such as break history, pipe age, pipe diameter. Next we looked at Consequence of Failure which is based on data such as number of customers served, and types of customers such as schools, hospitals and nursing homes, and size of main.
- The Probability of Failure score and Consequence of Failure score are combined to produce a Business Risk Exposure (BRE) score which is used to create a “Heat Map” that provides guidance in determining which pipe segments to replace next.







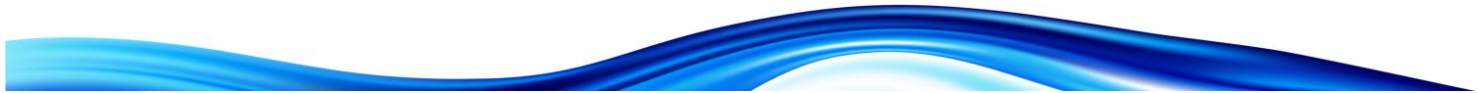
Jerry Stevens, P.E. & Terry Thomas, Project Manager

What to expect



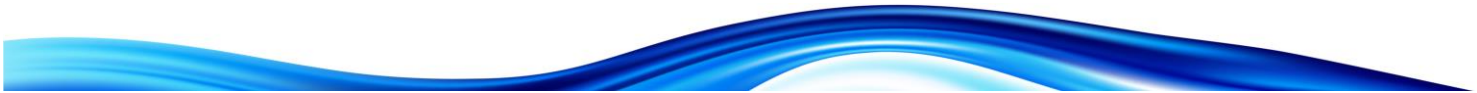
What to Expect

- This is a \$10,000,000 project by Rodriguez Mechanical Contractors covering approximately 32,000 feet.
- Typically, we install the new main in a different location than the existing main so we can keep the old main in service while the new main is built and tested/disinfected.
- Contractor's schedule (daily/weekly/overall)
- Temporary restoration is sometimes completed with spray mulch and seed until weather allows for the permanent restoration of grass/sod, sidewalks, and driveways.



What to Expect

- We will move any inside meters outside.
- This project will create dust, noise, and some disruption.
- Driveway access will be maintained. Any specific needs can be coordinated with the contractor.
- During the testing and disinfecting stage there are typically a couple of weeks of inactivity prior to the construction crew coming back and completing service transfers and tie-ins.
- There will be 3 required and possibly 1 or 2 emergency shutoffs to transfer services and the main connections.



Rodriguez Mechanical Contractors

Project Contractor



Rodriguez Mechanical Contractors

- Joe Rodriguez
- Ronnie McGarrah - Project Manager
- Brad Webb - Project Manager
- Jarrod Warner - Onsite Superintendent



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MECHANICAL CONTRACTORS, INC.

Anticipated Schedule

- Prep work along 75th Street near Wornall starting Aug. 15th
- Construction at 75th and Wornall lane closures: September - October
- Focus on 75th Street work until it is completed
- One year to complete entire project
- Safety is our top priority for you and our crews



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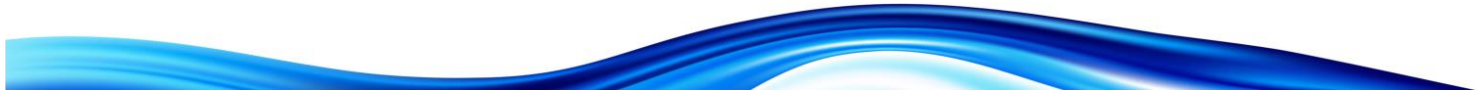
Michael Grimaldi, Heather Frierson

KC Water Communications and Outreach

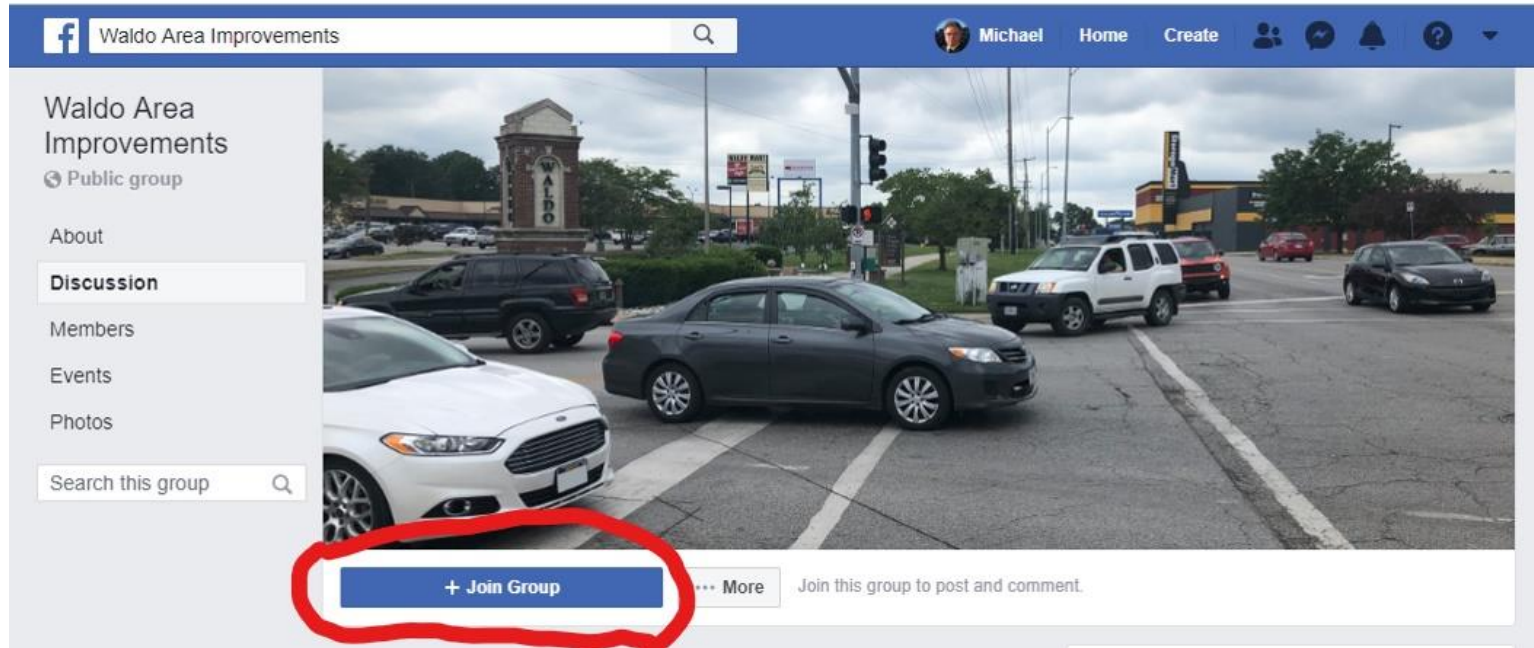


Outreach and Notifications by the Project Team

- Street signage
- Periodic meetings as warranted
- Block-by-block communications by Rodriguez (door handle hang tags, etc.)
- Weekly updates on the project Facebook group page



www.Facebook.com and search for “Waldo Area Improvements”



The image shows a screenshot of a Facebook group page. At the top, the search bar contains the text "Waldo Area Improvements". The user's name "Michael" and navigation options "Home" and "Create" are visible. The group name "Waldo Area Improvements" is displayed, along with the label "Public group". A sidebar on the left lists options: "About", "Discussion" (highlighted), "Members", "Events", and "Photos". Below the sidebar is a search box labeled "Search this group". The main content area features a photograph of a busy street intersection with a prominent stone archway in the background that has the word "WALDO" written vertically on it. Several cars are visible on the road. At the bottom of the page, a blue button with a white plus sign and the text "+ Join Group" is circled in red. To its right is a "More" button and the text "Join this group to post and comment."

Project Contacts

Call: 913-281-1814, Rodriguez Mechanical Contractors
816-513-0275, Bryan Wagner, KC Water Resident Inspector
816-513-0262, Terry Thomas, KC Water Project Manager
816-513-0446, Jerry Stevens, KC Water Project Manager
816-513-0234, Engineering hotline

Email: ronnie@rmckc.com
bryan.wagner@kcmo.org
terry.d.thomas@kcmo.org
jerald.stevens@kcmo.org
water.projects@kcmo.org

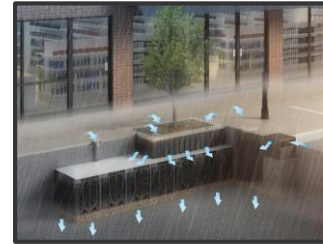
Mario Vasquez, Public Works

Project Manager



Public Works Project Scope

- Roadway reconstruction
- Trolley Track Trail extension
- New curbs and sidewalks
- New traffic signals and lighting
- Stormwater improvements
- Streetscape and beautification
- Schedule





General Questions?

Review plans with a Project
Manager at one of the tables





www.facebook.com → Waldo Area Improvements group

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