



CITY OF EAST GRAND RAPIDS

750 LAKESIDE DRIVE SE-EAST GRAND RAPIDS, MICHIGAN 49506

NOTICE **Please Keep for Future Reference**

June 23, 2022

Dear East Grand Rapids Resident/Property Owner:

Several water main rehabilitation infrastructure projects will be commencing shortly within the city. You are receiving this notice because your property will be impacted or is near one of the project areas. The rehabilitation process is called cured-in-place-pipe or CIPP. It is a trenchless process to rehabilitate water main that is less invasive and less disruptive than traditional open cut utility replacement.

Project areas:

- Robinson Road from Plymouth Road to west of Gladstone Avenue (1,260 LF of 6-inch cast iron main installed in 1919)
- Martin Luther King Jr. Street/Franklin Street from approximately Rosewood Avenue to Cambridge Boulevard (320 LF of 6-inch ductile iron main installed in 1996)
- Lakeside Drive from Hall Street to Burchard Street (660 LF of 10-inch cast iron main installed in 1928)
- Heather Street from Pinecrest Avenue to Eastlawn Avenue (780 LF of 6-inch cast iron main installed in 1920)

Project timeline/progress information:

- Late June into September (anticipated).
- Construction may take place between the hours of 7:00 AM and 9:00 PM Monday through Saturday per City Ordinance, although it is anticipated most work will be completed between 7:00 AM and 3:00-5:00 PM each day, Monday-Friday (unless an emergency arises).
- Construction progress may be impacted by weather, availability of materials, scheduling conflicts and/or unforeseen emergencies. Patience and understanding are appreciated.

Contractor: Fer Pal Construction USA, LLC.

General CIPP Process:

Step 1: EGR Department of Public Works staff starts the process by excavating access pits to the water main at valve, tee, cross and hydrant locations. Access pits will have shoring/excavation boxes in them for safety and be secured with barricades at the surface. Below is a photo of a typical access pit.



Step 2: The contractor will arrive on site and install an above ground temporary water system which includes above ground main, and service leads to homes. The system is disinfected/chlorinated and tested before residents are switched from the existing water main to the temporary system.



Step 3: The contractor will make appointments with residents/property owners to remove water meters. Meters will be removed for the duration of the project. Water and sewer monthly usage will be estimated and billed based off the annual average for each property.

Step 4: Residents will be transitioned to the above ground temporary water system so the existing water system can be taken out of service for rehabilitation.

Step 5: The contractor will cut into the out-of-service water main at the existing access pit locations. At these sites, the contractor cleans the water main with a metal chain reamer and inspects the pipe with closed-circuit television to map water service locations. After this is completed, plugs are inserted at water service locations by specialized robotic equipment.



Step 6: After the main has been cleaned and inspected, the new liner is inserted, epoxy resin is injected, and hot water is circulated to cure the liner into the new structural pipe within the existing pipe.



Step 7: EGR Department of Public Works staff will reconnect the rehabilitated water main at access pit locations by installing new valves, tees, crosses, and small segments of water main while the contractor reinstates water services with specialized robotic cutting equipment. Throughout the project EGR Department of Public Works staff will also be replacing any lead water service lines in the project areas in advance of bringing the rehabilitated water main back into service.

Step 8: The City then fills the rehabilitated water main, hydrostatic pressure testing is conducted and the new pipe is disinfected, flushed, and tested.

Step 9: The contractor or City contacts residents/property owners to reinstall water meters and residents/property owners are transitioned from the above ground temporary water system to the rehabilitated water main.

Step 10: The contractor removes the above ground temporary water system and East Grand Rapids Department of Public Works completes right-of-way restorations and paving access pit locations to complete the projects.

For more information including construction videos with respect to the water main CIPP product/process, please visit the following address: <https://ferpalinfrastructure.com/structural-pipe-lining-solution/>

The image below illustrates what is typical of a water main CIPP construction site.



General Project Information:

- The contractor will also provide both mail and door hanger notices throughout the project.
- Water service to adjacent properties will be temporarily interrupted during this project. The contractor or the city will place door hangers and/or knock-on doors in advance of any anticipated disruptions to communicate with residents.
- If water service line replacement or repair work is necessary, the city/contractor will communicate with residents/property owners on an individual basis.
- Existing on-street parking may be limited depending on the locations of the access pits or equipment. Temporary “no parking” signs will be placed in advance of any parking restrictions and locations.
- Streets will be open to local traffic in each project area. Traffic control devices/signs will be utilized to keep workers safe and provide for safe vehicular traffic in the project areas. Traffic may be interrupted for brief periods of time, so patience and understanding are appreciated.
- Any right-of-way restorations in the impacted project areas will be completed at the end of the project by the contractor or the city. The project limits have been video recorded in advance of the project to document existing property conditions.
- Because the project areas are open to local traffic, city yard waste service, private refuse/recycling, mail, or other services should not be impacted outside of an unforeseen emergency or brief period of time.
- The city requests that residents identify irrigation system sprinkler heads/lines that may be in the City right-of-way with stakes or flags labeled “irrigation” in advance of the project. This will help eliminate damage to any systems.
- **Streets impacted by water main CIPP rehabilitation project work this summer will be street projects this next construction season in the spring of 2023. The city will provide notices to residents and update information for spring street projects in the future.**

The city appreciates patience and understanding as important infrastructure is replaced and rehabilitated that will serve the community for the future. If you would like to sign up for project updates or other information, please go to www.eastgr.org and select the “stay informed” tab and select your topics of interest. Updates will be shared via social media and e-newsletters. **A “construction updates” page is also available via the city website as one of the quick links tabs on the homepage. The city updates construction project information weekly.**

Questions may be directed to the city by calling the Department of Public Works at 616-940-4817.

Respectfully,
East Grand Rapids Department of Public Works

