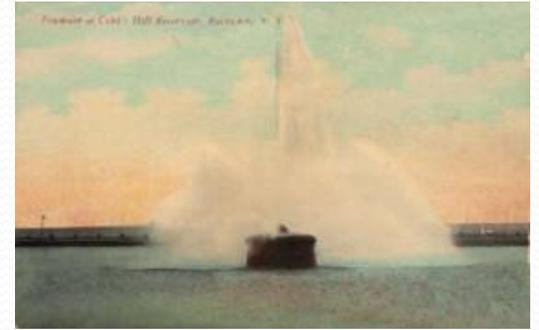


2023 Cured In Place Rehabilitation of Water Mains Project



2023 Cured In Place Rehabilitation of Water Mains Project

Public Information Meeting

July 5, 2023

6:00 PM

Malik D. Evans, Mayor

Richard Perrin, AICP, Commissioner, DES

Geoffrey Gugel, Director, Bureau of Water

Public Meeting Outline

- Key Personnel
- Project Location
- How is it done:
 - Means & Methods
- Good things to know about the project
- Questions & Comments

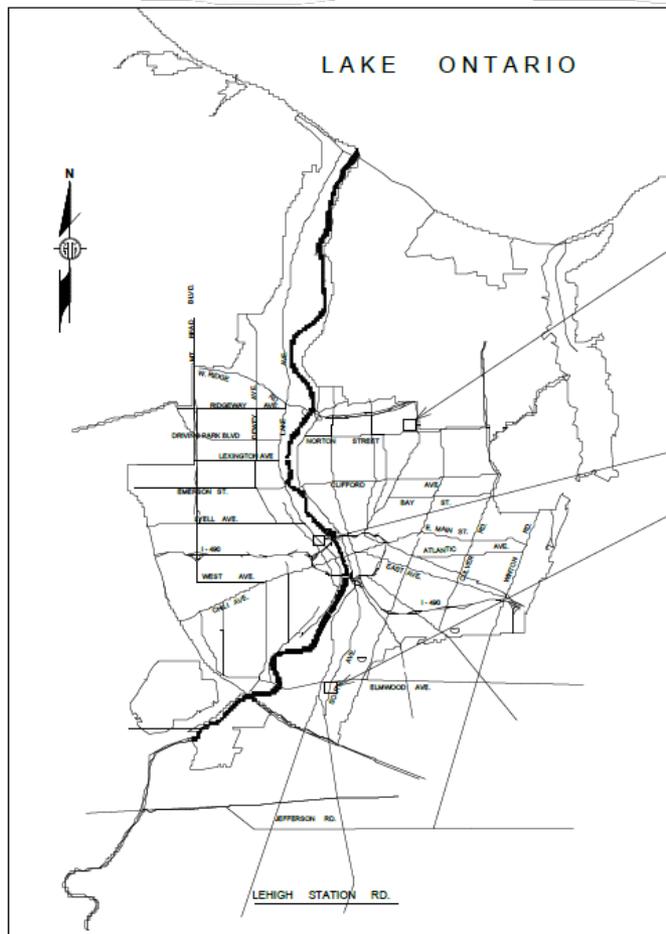
Rochester Water Bureau

- **Director of Water:** Geoffrey Gugel
- **Managing Engineer:** Michael Bushart, PE
- **Project Manager / Designer:** Ian Scott, EIT
- **Field Engineer:** John Lavery

Mainlining America, LLC

- **Project Superintendent:** Steve McMaster

Project Area – NE, SW & SE Quadrants



CYNTHIA LANE
SANDRA LANE TO DEAD END
BRANCH STREET
SANDRA LANE TO DEAD END

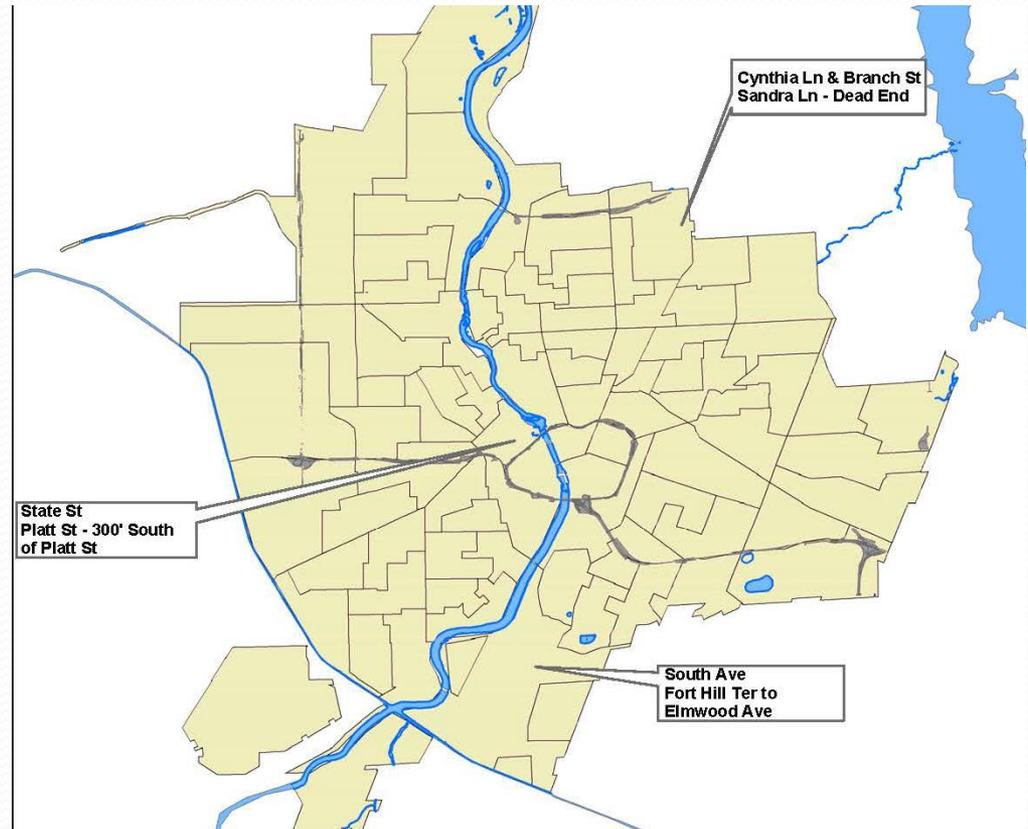
STATE STREET
PLATT STREET TO 350' SOUTH OF PLATT STREET

SOUTH AVE
FORT HILL TERRACE TO ELMWOOD AVENUE



Area Map

- 4 Streets
- 3,165 LF of Water Mains



What is Cured In Place Pipe (CIPP)?

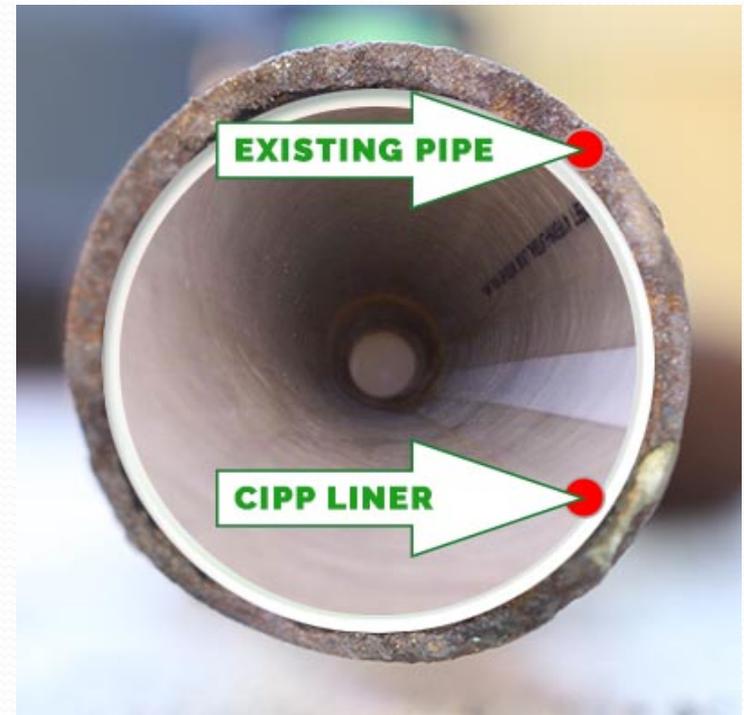
- Interior of water main is scraped clean of deposits and a cured-in-place pipe lining is installed.
- CIPP consists of a polyester felt tube impregnated with an epoxy resin.



Tuberculation

Why Clean and Line?

- **Less costly and disruptive than replacement. Improves water quality.**
- **Increases flows for fire protection.**
- **Protects from future rust build-up.**
- **Extends life of the pipe.**
- **Reduces maintenance and leakage.**



Cured In Place Pipe

The Process in Pictures

Laying Bypass Pipe 2", 4", & 6"



Driveway Ramps



Bypass Pipe Connection to Existing Water Main at Hydrant



Temporary Fire Hydrant on Bypass Pipe



Temporary Service Connection



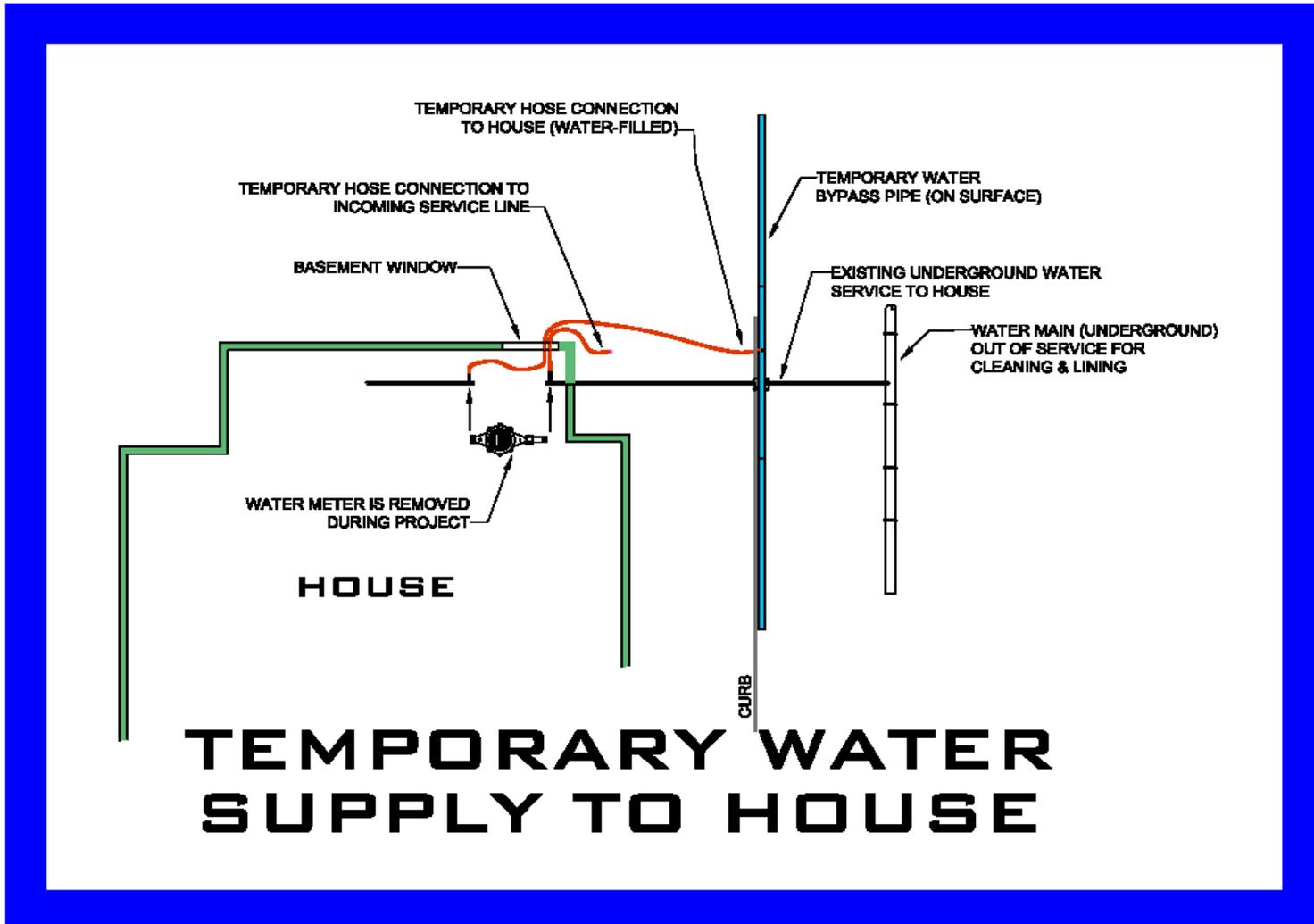
Temporary Service Pipe Extended to House



Temporary Service Into Basement Window



Temporary Service Schematic



Access Hole



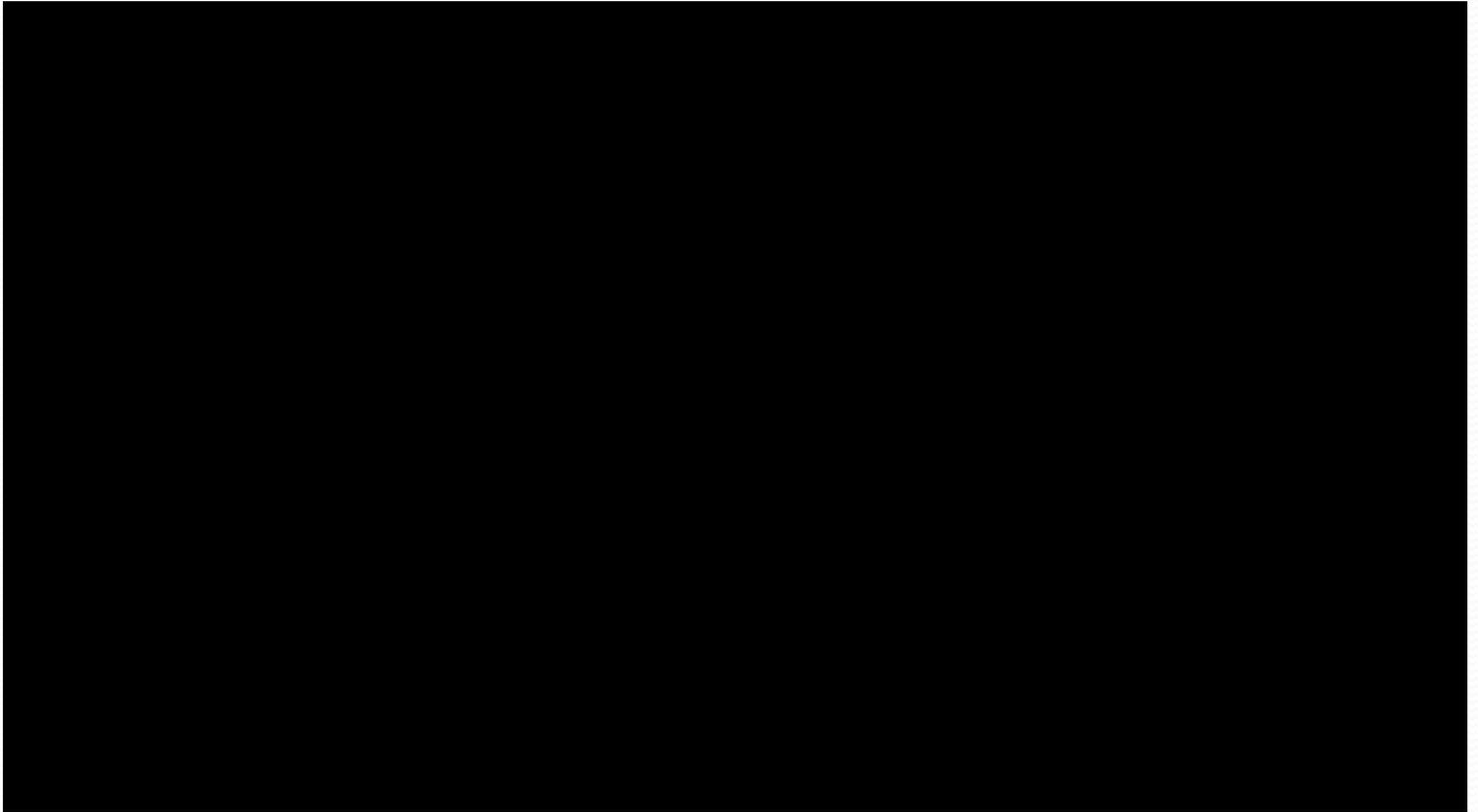
Access Hole Plated



Old Pipe Removed for Access



CIPP Process



Cleaning Tools and Winch Truck



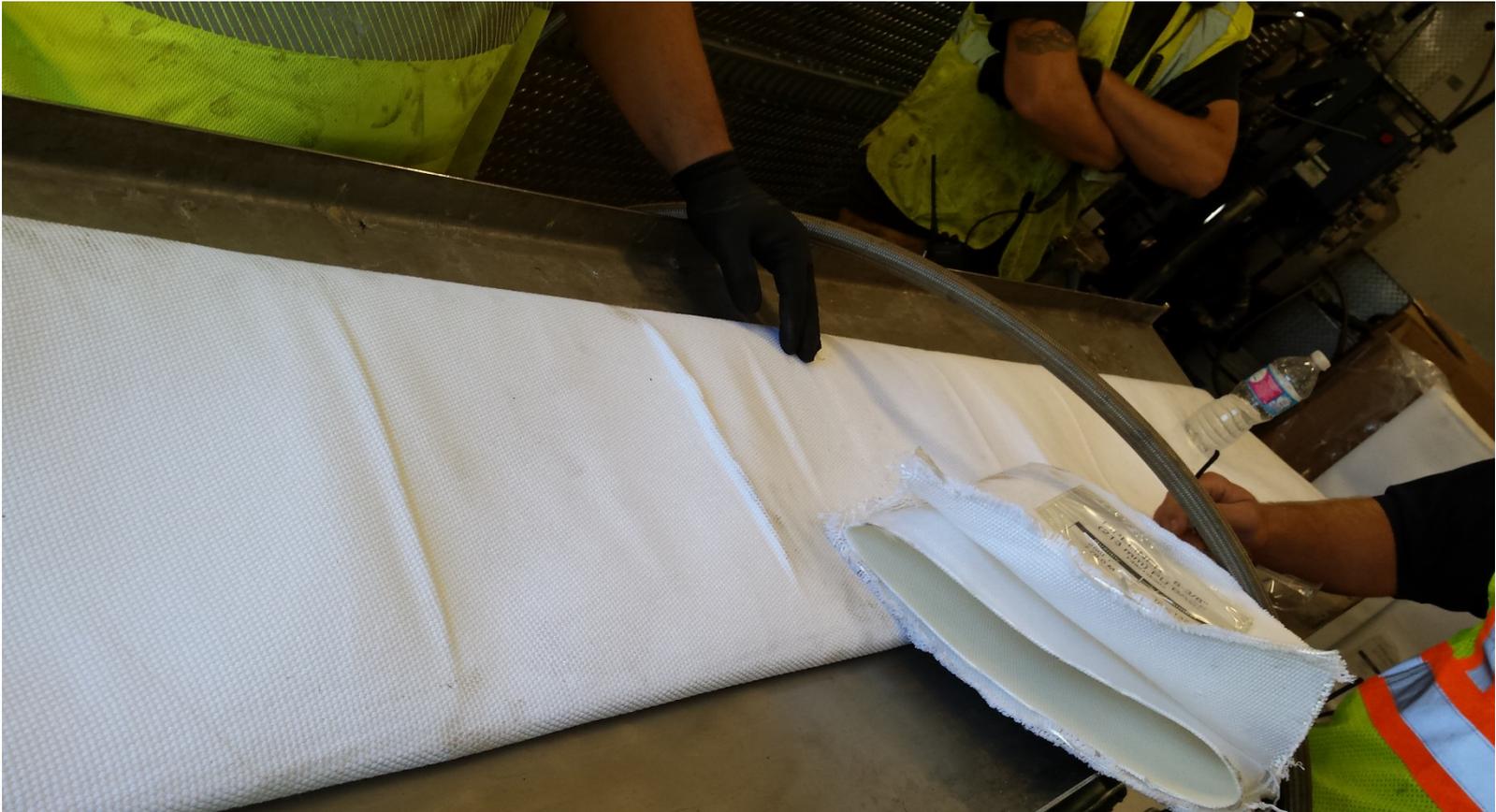
Cleaning Scraper



Squeegee Used to Remove Water & Debris Dislodged by Scraper



Preparing the Liner



Rollers Will Allow Liner to be Pulled into Water Main



Pulling Liner into Water Main



Pressure Testing the Rehabilitated Water Main



Water Quality Sampling Occurs Routinely During the Water Main Work



Summary of 2023 Cured In Place Rehabilitation of Water Mains

- 3,500 feet of 6", 8" Domestic and Holly water mains
 - Construction Start: July 2023
 - Construction Completion: Nov 2023

Summary of Project Events

1. Distribute Advance Notification Letters to residents.
2. Install bypass pipes, driveway ramps, flush, disinfect and obtain Health Sample for testing by MCDPH.
3. Orange Notification Hanger to enter basements, remove water meters and hook up bypass hoses.
4. Shut water main, excavate water main at various access hole locations, cut out pipe sections to provide access for cleaning and installation of CIPP.
5. Install CIPP lining.

Advance Construction Notice



City of Rochester

Department of Environmental Services
10 Felix Street
Rochester, New York 14608
www.cityofrochester.gov

Bureau of Water

ADVANCE CONSTRUCTION NOTICE

Dear Water Customer:

Water main rehabilitation work will soon begin on your street.

The City's contractor, "ACE Lining Company", will be cleaning the interior of the water main to remove rust and other deposits and then structural lining. The project will improve water quality and increase flows available for fire protection. City Water Bureau personnel will perform construction supervision of this project.

While the work is in progress, the water main must be taken out of service. Temporary bypass water pipes and service hoses will be installed to provide your home or business with water during construction. Bypass pipes are typically located above ground, alongside the curbs on each side of the street and are disinfected and approved by the Monroe County Department of Public Health before temporary service connections are made to your home or business. Ramps are installed where bypass pipes cross driveways.

In most cases, your water meter will be removed to make the service hose connection. Service hose connections are normally made through a basement window. Any opening used for installing the hose will be covered and made secure by our contractor. Our contractor will contact you to coordinate access to your basement to make this temporary service hose connection and also, upon completion of the water main work, to disconnect and remove the service hose and reinstall the meter. Your water service will be thoroughly flushed by the contractor prior to reconnecting the meter. The contractor will also leave you a copy of an **Important Notice Regarding Your Water Service** which has instructions on how to flush your internal plumbing before using water for drinking or cooking. Work in your basement should take about 30 minutes to complete. It is important that you allow the contractor to do this work in your basement for the following reasons:

- To maintain water service to your building during construction.
- To flush out your entire water service before it is reconnected for use.
- To ensure that the cement applied during the lining process does not plug your water service.

Please be aware that if cement hardens and plugs your service because the contractor was not able to work in your basement, the property owner is responsible for all costs necessary to unplug the service. These costs could amount to several thousand dollars.

If your "Inside Service" is composed of galvanized steel or similar material, it is possible that the water service might be highly corroded and could be leaking. Our experience has been that galvanized service material has a short life expectancy. The contractor will make every effort to protect the existing "Inside Service" when making the connection at the meter. If the contractor cannot make the connection or the service is found to be leaking, it may be necessary for the property owner to replace the inside service line.

Contractor Notifications

Water Shut Notice



City of Rochester, New York
Department of Environmental Services
Water Bureau

NOTICE: Water Main Work

The Contractor performing the water main rehabilitation for the City of Rochester will need access to your building to connect/ remove your temporary water supply lines.

Please call _____
or 428-7500 to arrange to have this work performed.

Thank you for your cooperation.



City of Rochester, NY
Malik D. Evans, Mayor
Rochester City Council

Summary of Project Events (con't)

6. Put main back together, fill pipe, flush main from hydrants, disinfect, flush and take health sample.
7. Excavate at water main
8. Backfill access holes.
9. Provide resident with **Important Notice Regarding Your Water Service** which instructs resident on how to flush the internal plumbing lines in the home.
12. Remove all hoses and bypass piping, remove driveway ramps.
13. Restore roads cuts and disturbed lawn areas.
14. Clean up site, remove all debris.

Important Notice Regarding Your Water Service.



City of Rochester, New York
Department of Environmental Services
Water Bureau

IMPORTANT NOTICE REGARDING YOUR WATER SERVICE

The City is about to resume serving water to your home through the buried service line. Recent construction activities may have caused particles to dislodge from your service line as it has sat unused during this period. If your service line is made of lead, some lead scale or sediment may have been released from the pipe during the project. This is a temporary condition that can easily be mitigated by taking the steps below to minimize your exposure to any lead that may have been released.



Before use, flush all your faucets using these 5 steps:

1

Remove and clean faucet aerators from all cold water taps in the home. An aerator is the tip of modern faucets that helps to eliminate splash.

(CONTINUED FROM FRONT)

2

Beginning in the basement, fully open the **COLD** water taps throughout the home.

3

Let the water run for at least **15 minutes**. Be sure to run water in all bathtubs and showers, as well as faucets.

4

Turn off each tap **starting with the taps upstairs** (highest level) and proceeding downstairs to the basement.

5

Do not use water until flushing is complete.

More information about drinking water safety can be found at our website: www.cityofrochester.gov/drinkingwatersafety

For more information about flushing, please contact:

City of Rochester Water Bureau
10 Felix Street, Rochester, NY 14608
Call (585) 428-7500
or visit www.cityofrochester.gov/waterbureau

(CONTINUED ON BACK)

Contact & Information

- Concerns or problems should be reported to the Water Bureau Dispatch Office (428-7500), which is staffed 24 hours a day, 7 days a week, 365 days a year.

428-7500

- Additional information and weekly construction updates will be available at:

www.cityofrochester.gov/cleaningandstructurallylining/

Questions?

