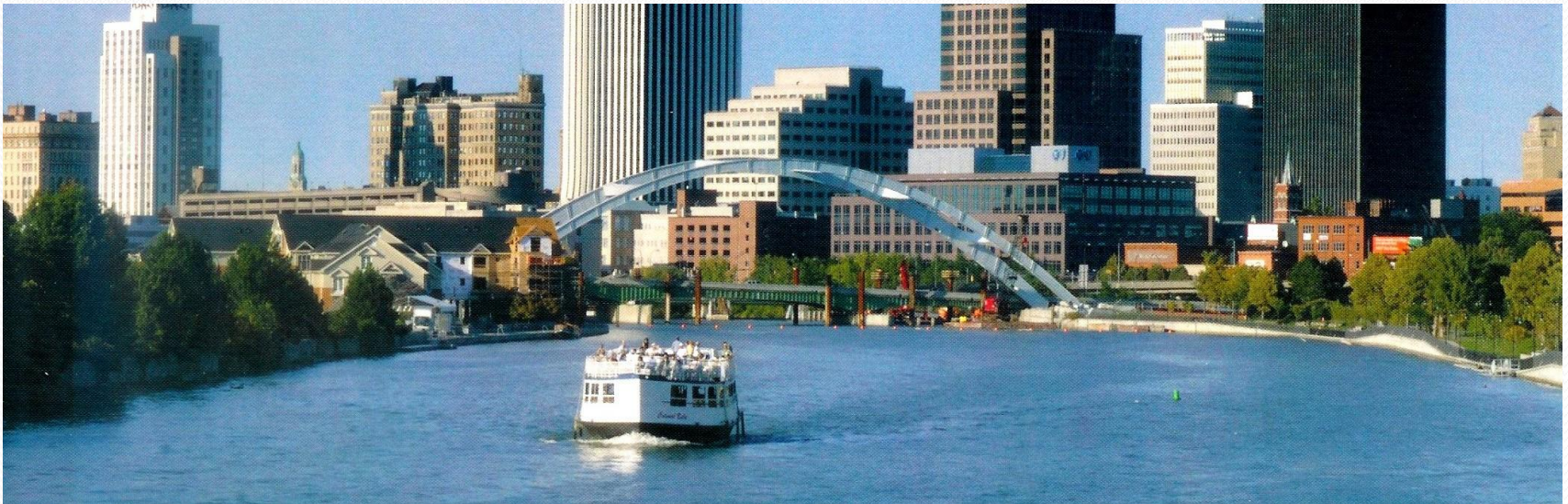


# Water Main Extensions and Improvements 2021 Renewal Project





# 2021 Water Main Renewal Extensions and Improvements (E&I) Project

Public Information Meeting

July 28, 2021

7:00 PM

Lovely A. Warren, Mayor

Norman Jones Commissioner, DES

Geoffrey Gugel, Director Bureau of Water

# Public Meeting Outline

- Project Objective
- 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 :** George Wheatley
- **Field Engineer :** Kyle Bour

## Villager Construction, Inc.

- **Project Superintendent:** Steve Verdine

# 2021 Water Main Extensions & Improvements Project

- Project sponsored by Rochester Water Bureau
- Designed by Rochester Water Bureau
- Construction inspection and project administration performed by Rochester Water Bureau
- Project awarded to Villager Construction, Inc. at a cost of \$2,043,500.00



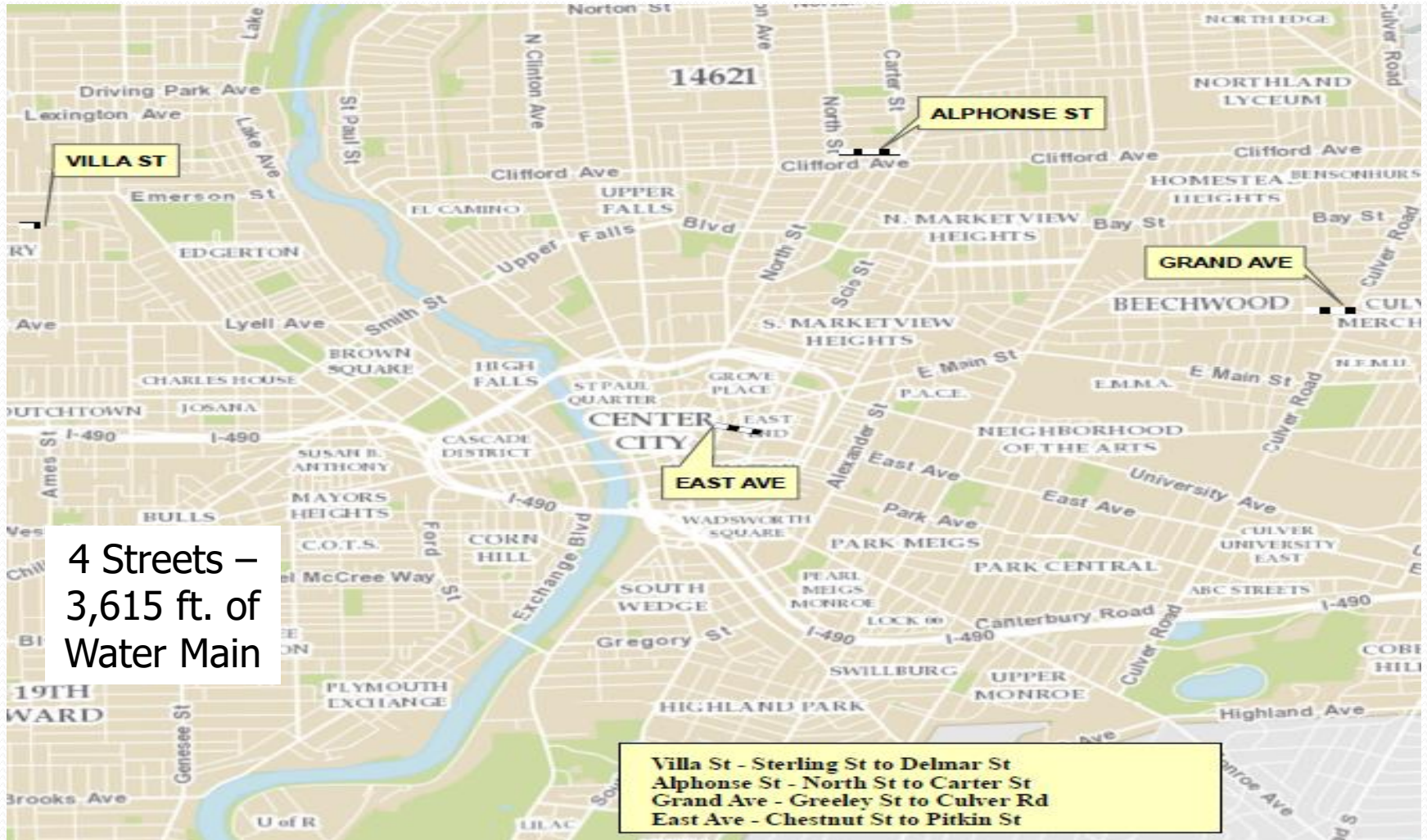
# PROJECT OBJECTIVE

- Identify and replace water mains in the distribution system that are found to be experiencing a high frequency of main breaks.
- Identify water mains that are hydraulically deficient for fire or domestic flow improvement.
- Replace unlined cast iron water mains that are known to cause rusty water problems.
- Work with Department of Neighborhood & Business Development to identify mains that need replacement to encourage business development

# Water Main Extension & Improvements 2021 Project

- East Avenue (Chestnut St to Pitkin St)
- Grand Avenue (Greeley St to Culver Rd)
- Alphonse Street (North St to Carter St)
- Villa Street (Sterling St to Delmar St)

# Project Area – NW, NE, SW & SE Quadrants





# Design, Bid & Award Phases

- Survey street and obtain utility drawings
- Design new water main
- Assemble bid plans, contract specifications, and estimate
- Obtain review approval from:
  - Monroe County Health Department
  - City of Rochester Street Design & DES Permit Office
  - Monroe County Traffic Engineering, Traffic Control Board
  - Other agencies and utilities as necessary
- Hold Public Informational Meeting
- Process Project Award and Issue Notice-to-Proceed

# Water Main E&I Renewal Project

The Process in Pictures

# The problem.





# Signs project is starting



# Tree Protection





# Excavating for New Water Main





# Wrapping Ductile Iron Pipe





# Installing PE Pipe





# Installation of New Hydrant





# Daily Housekeeping





# Temporary Pavement





# Filling and Flushing New Water Main



# Pressure Testing New Main





# Pressure Testing New Main



# Health Dept Sampling Occurs After Testing and Disinfection Water Main





# Service Line Installation





# Restoring Water Main Trench



# Summary of 2021 Water Main Renewal E&I Project

- 3,615 feet of 8” and 12” Domestic water mains
  - 92 Outside Service Line Replacements
    - Construction Start: October 2021
    - Construction Completion: July 2022

# Summary of Project Events

1. Distribute **Advance Construction Notification Letters** to residents.
2. Install bypass pipes, driveway ramps, flush, disinfect and obtain Health Sample for testing by MCDPH on a portion of East Avenue only.
3. Begin excavation for new water main.
4. Install new water main. Install new polyethylene water service from new mains to curb stop.
5. Flush main from hydrants, disinfect, flush and take health sample.
6. Backfill all excavations.
7. Provide resident with **Important Notice Regarding Your Water Service** which instructs resident on how to flush the internal plumbing lines in the home.
8. Remove all hoses and bypass piping, remove driveway ramps on a portion of East Avenue only.
9. Restore roads cuts and disturbed lawn areas.
10. Clean up site, remove all debris.

# Advance Construction Notice



City of Rochester

Department of Environmental Services  
10 Felix Street  
Rochester, New York 14608  
[www.cityofrochester.gov](http://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, "Villager Construction, Inc.", will be replacing the water main. 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, some of 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 on East Avenue only. 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.

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.

The Contractor's employees will have a photo ID badge issued by the Water Bureau for identification. If you have any questions or concerns about a worker wanting access to your basement, please call our 24-hour Dispatch Office at (585) 428-7500.

In most cases, residents will be notified by our contractor 24 hours prior to any planned water shutoffs. Notification will be in person whenever possible, or by a blue door hanger notice.

Some temporary parking and traffic restrictions may be necessary in order to complete the work in the shortest possible time.

You may notice water in the streets while the work is being performed. To insure the best water quality, large amounts of water are used to flush the pipes after they have been lined. All paved areas, sidewalks and grass areas disturbed by our contractor will be restored as part of this project. Basement windows will be restored to pre-construction conditions.

The majority of the work on your block of the street may take approximately 4 to 6 weeks to complete, beginning from the day that the bypass pipe is installed to the day that the driveway ramps are removed. Please understand that work could extend longer if unanticipated field conditions are encountered. Additional time may also be needed to complete all permanent surface restoration work.

On prior projects, some of our customers have indicated that the water may become temporarily discolored during construction. This temporary discoloration may stain laundered clothes. Repeated washings with clean water and, if needed, commercial rust remover should remove these stains. Some customers have also indicated that the water may at times be warm (particularly on hot, sunny days) and have an odd taste or odor. This is caused by the above

ground temporary service hoses and is not harmful to your health. If this happens, you should run water through a faucet so that the water does not remain stagnant in the hose. You may also want to keep a pitcher of water in your refrigerator. If you experience any water quality or quantity problems please call our Dispatch Office at (585) 428-7500.

We will make every effort to prevent construction related problems and inconveniences. There will be some noise, dust and traffic challenges to overcome. However, if any occur during construction you can be assured that the city and our contractor will do everything possible to minimize and/or correct the situation.

If you have any special needs or disabilities including handicap accessibility, please contact our Project Engineer George Wheatley at (585) 428-6133 or [george.wheatley@cityofrochester.gov](mailto:george.wheatley@cityofrochester.gov), who can assist you with coordinating your needs with the contractors' operations.

Any other issues arising from this project should be directed to the **Water Bureau Dispatch Office at (585) 428-7500**. We also encourage you to visit our project website at [www.cityofrochester.gov/watermain/](http://www.cityofrochester.gov/watermain/) for more detailed information about the project and for weekly construction updates.

We thank you for your patience and cooperation while we work to improve the water system for keeping your water safe.

Sincerely,

Geoffrey Gugel  
Director of Water







# Contractor Notifications

## Water Shut Notice

## Access to Meter Notice





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

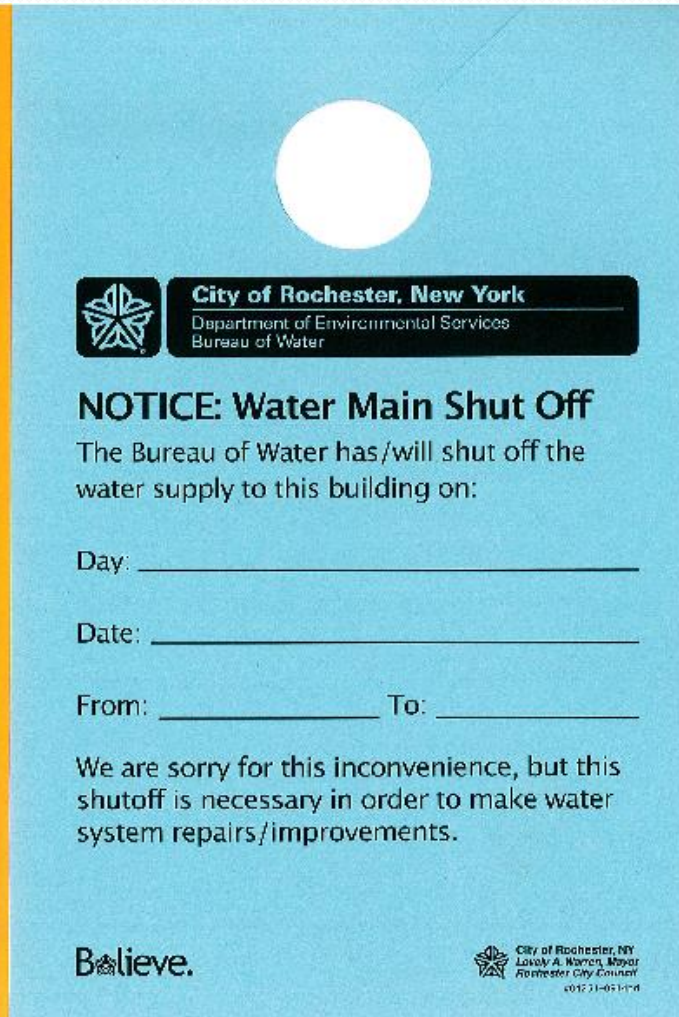
**NOTICE: Water Main Work**


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  
Lovely A. Warren, Mayor  
Rochester City Council



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

**NOTICE: Water Main Shut Off**



The Bureau of Water has/will shut off the water supply to this building on:

Day: \_\_\_\_\_

Date: \_\_\_\_\_

From: \_\_\_\_\_ To: \_\_\_\_\_

We are sorry for this inconvenience, but this shutoff is necessary in order to make water system repairs/improvements.

  City of Rochester, NY  
Lovely A. Warren, Mayor  
Rochester City Council  
6012 71-051-1-1-0

# Important Notice Regarding Your Water Service.

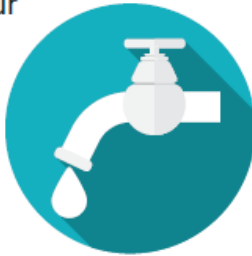


**City of Rochester, New York**

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](http://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](http://www.cityofrochester.gov/waterbureau)

(CONTINUED ON BACK)

# Contact & Information

- Concerns or problems should be reported to the Water Bureau Dispatch Office (585-428-7500), which is staffed 24 hours a day, 7 days a week, 365 days a year.

**(585) 428-7500**

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

**[www.cityofrochester.gov/watermains](http://www.cityofrochester.gov/watermains)**





Thank you for attending.

Questions?