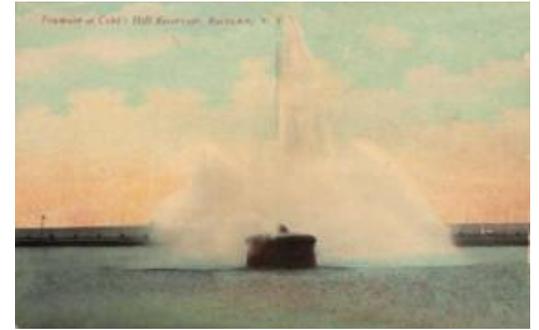


# 2023 Cleaning and Lining of Water Mains



# 2023 Cleaning and Lining of Water Mains

Public Information Meeting

June 13, 2023

5:30 PM

Malik D. Evans, Mayor

Richard Perrin AICP, Commissioner of DES

Geoffrey Gugel Director, Bureau of Water

# Public Meeting Agenda

- Key Personnel
- What is Cleaning and Lining
- Benefits of Cleaning and Lining
- Project Location
- How is it done
  - Means & Methods
- Summary and Schedule of Project
- Questions & Comments

## Rochester Water Bureau

- **Director of Water:** Geoffrey Gugel
- **Managing Engineer:** Michael Bushart, PE
- **Manager of Water Production:** David Rowley, PE
- **Project Manager:** James Treuthart
- **Project Designer:** James Treuthart
- **Field Engineer:** Water Bureau Staff

## Mainlining America LLC.

- **Project Manager:** Chris Hardy
- **Project Superintendent:** Steve McMaster

# 2023 Cleaning & Lining of Water Mains

- Project Designed and Administered by Engineering personnel from the Rochester Water Bureau
  - Project Inspection – Water Bureau Staff
  - Contractor –Mainlining America LLC.
    - Project Cost: \$2,995,118.00
    - Funding by Rochester Water Bureau
- Total Footage Cleaned and Lined: 30550 LF
  - New Water Valves installed: 89
  - Average Cost per Linear Foot: ~\$98.04

# What is Cleaning & Lining

- Cleaning & lining is a process by which the interior of metallic pipes are scraped clean of hardened rust deposits and coated with a non corrosive lining.

- Mains installed prior to the 1950's were generally cast iron with no internal protective lining.
- Hardened rust deposits build up over time, restricting water flow and diminishing the water quality.

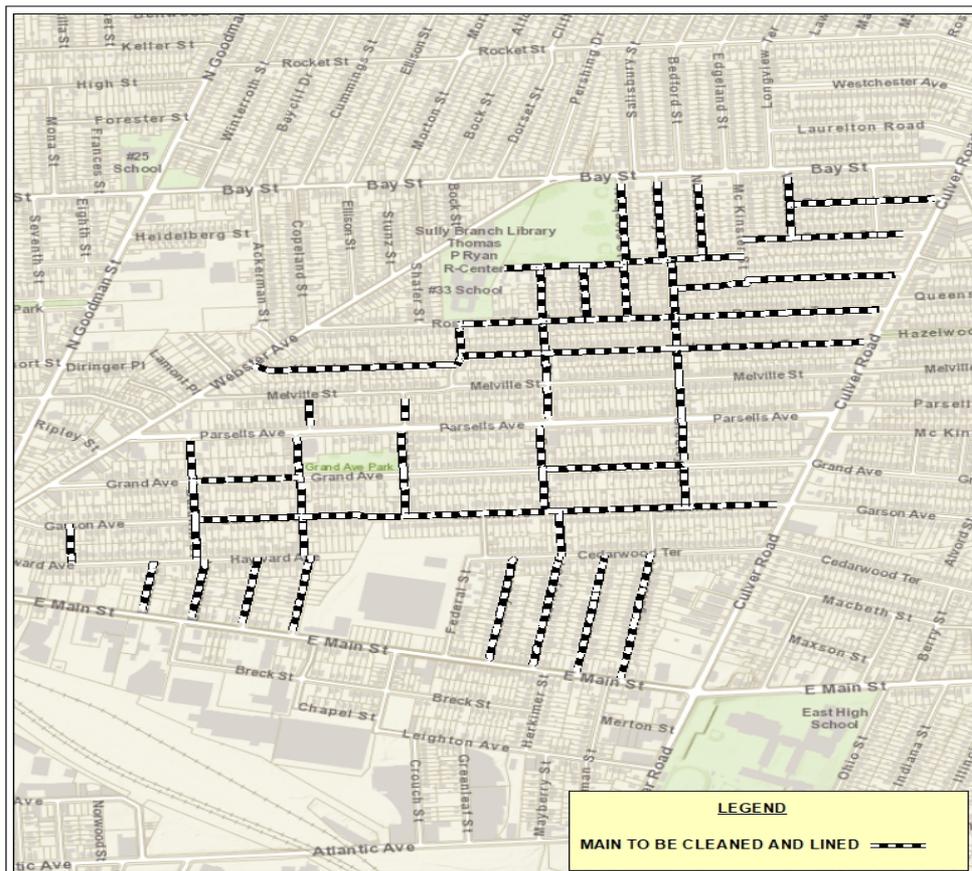


# What are the Benefits?

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



# Area Map



**2023 CLEANING AND LINING  
OF  
WATER MAINS**

NOTE: The water main locations as shown on this drawing are approximate and should be used for planning purposes only. Prior to any construction, field locations should be verified by calling Dig Safety New York at 1-800-962-7962.

1" = 750'

**Water Bureau Contact Information**

Customer Service - (585)428-5990  
 Water Bureau Dispatch Office - (585)428-7500  
 Water Bureau Maps & Records - (585)428-7562

# Rochester's Cleaning & Lining Program

- Cleaning and lining was first performed on Rochester's water mains in 1944.
- Over 200 miles of Rochester's water mains ranging in size from 6" diameter to 38" diameter have been cleaned & lined.
- During the last 10 years, Rochester has cleaned and lined an average of 4 miles of water main per year.

# Temporary Bypass Pipe



# Connecting to Existing Water Main



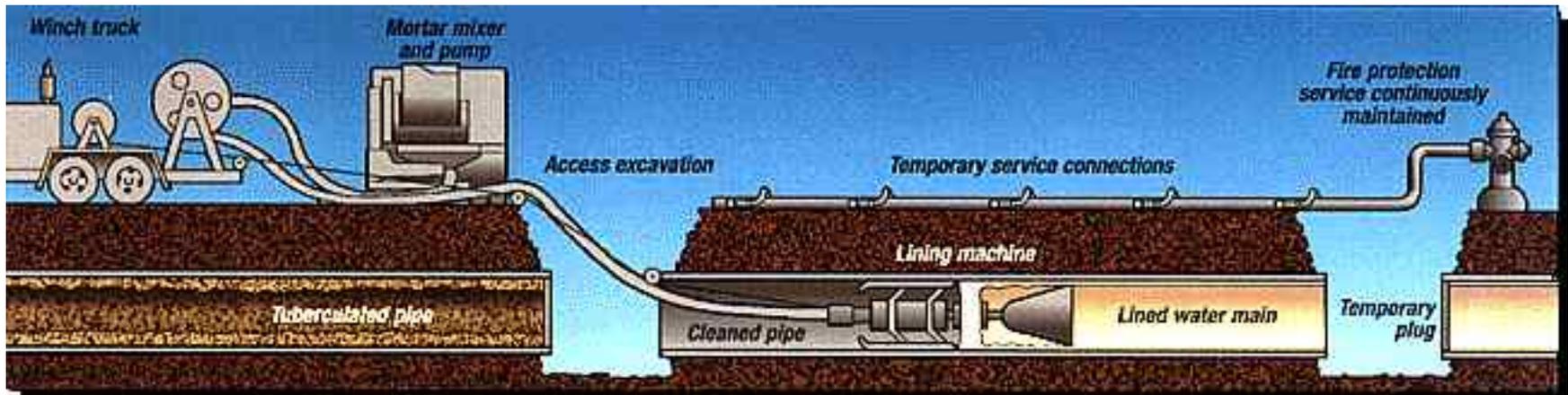
# Temporary Service Into Home



# Access Hole



# Lining Process



# Winch Truck



# Hose Reel



# Mixing Cement Mortar



# Applying Cement Mortar to Pipe



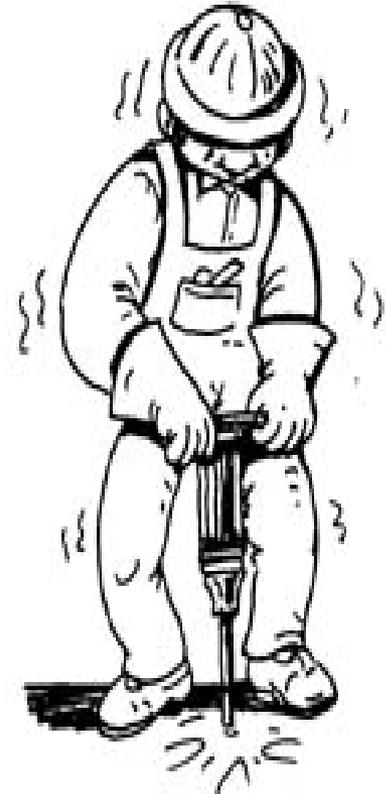
# Pipe after Lining Application

- Cleaning & Lining is a proven, cost effective solution to rehabilitate older water mains.



# Construction Related Items

- Residents will receive advance notice (via door hanger) before work begins on their street.
- Water supplied via the temporary pipes is the same water that the customer normally receives in the water main.
- Temporary bypass pipes are disinfected and tested by the Monroe County Health Department prior to activating them.
- The Contractor will contact residents to coordinate removal of the water meter and connection of temporary service.



# Construction Related Items (Continued)

- During the period that the meter is removed, the customer will not be billed for water that they use. However, the normal quarterly base charge will still be applied to their bill.
- Access holes in the street will be covered with steel plates at the end of each work day.
- There may be some temporary parking restrictions during construction, however traffic flow will be maintained on the street and the contractor will work with the resident to maintain access to all driveways.



# Construction Related Items (Continued)



- The lined main will be disinfected and tested by the Monroe County Health Department before it is reactivated.
- The Contractor will coordinate with residents to reinstall the water meter and remove the temporary service.
- All excavations will be permanently backfilled and surfaces restored to pre-construction condition upon completion of the work.

# 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.

**585-428-7500**

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

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

# Questions?

Further questions please contact James Treuthart at (585)-202-7305 or [Jamie.Treuthart@cityofrochester.gov](mailto:Jamie.Treuthart@cityofrochester.gov)

# Water Main Before and After Cleaning & Lining

