



CITY OF EAST GRAND RAPIDS

750 LAKESIDE DRIVE SE-EAST GRAND RAPIDS, MICHIGAN 49506

NOTICE

Please Keep for Future Reference

Dear East Grand Rapids Resident/Property Owner:

A contractor working on behalf of the city will be installing a new pipe liner in the sanitary sewer main on a section of your street known as cured-in-place-pipe.

What is cured-in-place pipe? It is a trenchless pipe rehabilitation method where a fiberglass or polyester fiber cloth is placed and pulled down the existing sewer main. Once the fiberglass or polyester cloth is in place, a resin is applied to the cloth. A special balloon is then filled with water and then inserted into the fiberglass or polyester cloth material. It is inflated to create and harden the new pipe within the existing pipe. Once the new pipe has cured, a piece of equipment with a cutter is inserted into the sewer main to cut openings where sewer laterals exist to re-establish the connection of the property owner's sewer lateral to the city sewer main. Please note illustrations of this product and method on the reverse side of this notice.

Why is the City lining this section of sewer main? The city evaluates sanitary, and storm sewer pipes and checks for general pipe condition to look for cracking and/or other deficiencies. Sewers constructed before the mid 1970's were constructed mostly of clay tile. When cracks form in clay tile or other similar pipe materials, they allow ground water into the sanitary sewer known as infiltration and inflow. Clean water in the sanitary sewer collection system creates an increased cost to treat clean water that should not be in the sanitary system. Cracks also allow tree roots into the sanitary sewer which increases the need for maintenance. By lining pipes, the city will be extending the life by 60-70 years while also eliminating tree root and ground water infiltration into the system. This process also eliminates the need for other infrastructure to be disturbed, such as the road/curb/sidewalk, which saves overall cost, time and construction impact in the area.

When is this work happening? This is an advance notice provided for awareness. The work is anticipated to occur within the coming weeks. Dates/times will be provided via door hanger notices in advance of the work by the contractor.

What is the duration of the project? Once the project begins, it will be completed by the end of each day, typically within 8- 24 hours. Start and completion times will be noted on the door hangers provided by the contractor. A sample door hanger notice is included on the back side of this notice.

Is there anything I need to do before or during this process? Yes, make sure toilet lids are closed during cleaning/televising and limit water and sewer use during the CIPP process.

In advance of the CIPP lining, crews will be cleaning and televising sanitary sewer main. Airflow ventilation of internal homes and sanitary sewer system vent through manholes and plumbing vent stacks in homes. If there is a defect in a home's plumbing (like a blocked sewer pipe or vent) air pressure may escape through a toilet, floor drain or the nearest exit it can find as the path of least resistance. This can result in the release of unpleasant odors and, on rare occasions, water from toilets or sink drain traps called blowback. While this is a rare occurrence and something the city or contractors cannot know (regarding the state of interior private plumbing and ventilation), it is recommended that residents keep toilet lids closed during cleaning/televising. To further understand this, please note the illustration on the reverse side of this notice.

During the lining process, for single-family homes where crews are repairing sewer pipes using CIPP, residents will be asked to limit water and sewer use during the CIPP lining process:

- Avoid using appliances that use large amounts of water—like showers, baths, washing machines, and dishwashers.
- Turn off all sump pumps connected to the sewer line.
- Limit flushing toilets.
- Limit running or pouring water or other liquids down the drain.

These actions are important because private property connections to the public sewer will be temporarily sealed off during the pipelining process. Using less water is necessary to prevent water from filling up a private sewer line and backing up into a home during the pipelining process. Depending on the length and width of the sewer pipes to be lined, the period of limited water and sewer use could last between one and several hours.

Who is the contractor? Corby Energy Services, INC, from Belleville, MI. They may be contacted at 734-547-9237. Corby will place a door hanger on your door before they line the sewer in front of your residence.

Who can I contact with questions? A contact number will be provided for Corby Energy Services for on-site staff on the door hanger placed at your home. City of East Grand Rapids Department of Public Works may also be contacted at 616-940-4817.

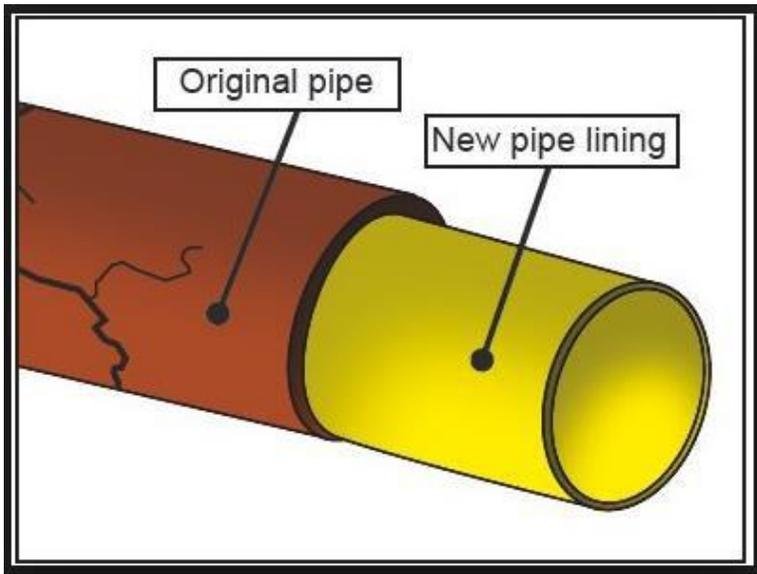
Where can I find additional information? The city provides information and frequent project updates via the City website. To check in on project information and updates go to www.eastgrmi.gov and select the "construction updates" icon at the bottom of the homepage

Respectfully,

East Grand Rapids Department of Public Works

(See Reverse Side)

Sewer Pipe Lining (Cured-In-Place-Pipe):



Contractor Door Hanger Notice:

ATTENTION:
YOUR COMMUNITY IS PERFORMING PIPE REPLACEMENT IN THIS AREA.

Pipeline Reconstruction is scheduled to take place on the mainline connected to your home/business. The method being utilized is an Innovative "trenchless" lining system which will provide total replacement with minimal disruption and inconvenience, as compared to conventional pipeline replacement. Typically, this process requires 8-24 hours of water restriction.

During this time, your lateral will be out of service and sealed. You are required to refrain from water usage: laundry, dishwasher, toilet & sink usage, etc. In addition, any sump pumps or drains connected to the pipe system must be disconnected. Failure to comply may result in a backup of flows into your building.

This work is scheduled for:

DATE: _____

TIMES: _____

Should you experience any difficulties or require immediate response, please contact our site representatives:

CONTACT: _____

PHONE: _____

Finally, it is strongly suggested that you insure that any floor drains/traps have water in them. It is suggested that you periodically pour some (16-24 oz.) water into the drains and floor traps to insure proper function for your safety.

Thank you for your cooperation!

CORBY ENERGY SERVICES, INC.
 P.O. Box 970 Belleville, MI
(734) 547-9237 • Fax (734) 547-0340

Sewer Pipe Lining (Cured-In-Place-Pipe) Installation-Process:



Plumbing Ventilation and Potential Blowback Illustration:

