

As part of its continuing effort to improve water quality and condition of its water system, the City of Wilmington continues a water main cleaning and lining project in South Wilmington. This notice includes information about the project, and a detailed project map on the back.

Project Background

Q. What is the South Wilmington Water Main Cleaning & Lining Project?

A. As part of the South Wilmington Water Main Cleaning & Lining Project, the City of Wilmington has hired a specialized contractor to thoroughly clean and line the water main below South Market Street. After cleaning the water main, a new cement mortar lining will be placed inside the water main, which will restore its flow and carrying capacity of water. This project is very important for fire protection in the community. The project is expected to be complete by November 2009, with the possibility of finishing earlier.

Q. Why does the City need to clean and line the water mains?

A. Over time, the interior of the water mains develop mineral deposits that reduce the flow of water. This project will smooth the interior of the existing water main, and reduce incidents of sediment and mineral products in the water. It will also allow the necessary amount of chlorine to remain in the water, which will ward off bacteria growth. Furthermore, cleaning and lining the water main will improve the capacity of the main, which is important when there is a high demand for water in the neighborhood.

Construction Process

Q. How will properties have water service during the project?

A. The City expects the project to start the week of May 11th. Contractors will begin laying a 4" PVC temporary by-pass pipe above the ground, along the curblines of both sides of South Market Street. This will provide water service to properties that receive water from the main under South Market Street. Orange cones will be spaced along the length for added visibility along the curbs.

- Each property that receives water via the impacted water main will be individually hooked up to the temporary by-pass pipe to receive water during construction. Small flexible by-pass hoses may stretch across sidewalks; please use extra caution when walking in the area.
- When the temporary by-pass pipe crosses the street, sidewalk, or a handicap access ramp, it will be installed below the surface and covered with asphalt or ramps will be constructed. Please use extra caution when walking in the area.
- The City requires the contractor to be on-call around the clock for maintenance of the temporary by-pass pipe.

Q. What is the process of cleaning and lining a water main?

- A.
1. Install a temporary by-pass pipe to provide water service to properties that receive water from the impacted water main. Install temporary fire hydrants.
 2. Clean and disinfect the temporary by-pass pipe to ensure safe water quality.
 3. Individually connect properties to the temporary by-pass pipe with a small hose; temporarily disconnect the property from the existing water main.
 4. While properties are being individually connected, dig access pits to reach the existing water main.
 5. Use special machinery to clean out any sediment or corrosion within the water main, and place a new cement mortar lining inside the main.
 6. Remove old hydrants and install refurbished/new hydrants.
 7. Backfill access pits.
 8. Disinfect and test the newly cleaned and lined water main.
 9. Return existing copper service connections to service. Older service connections will be renewed/replaced as determined by the City. A trench must be dug from the existing water main to the curb box at each property in order to renew/replace service connections.
 10. Remove the temporary hoses attached to each property, the temporary by-pass pipe, and temporary hydrants.
 11. Restore service renewal and hydrant trenches, and the roadbed disrupted by the access pits.

Construction Limits & Schedule

Q. Which water main will be cleaned and lined? (Please see map below.)

South Market Street (between the Christina River and Garasches Lane)

Contractors will clean and line 3,800 feet of the 12" cast iron water main built in 1928, and 700 feet of the 24" cast iron water main built in 1934.

Q. When will this portion of the project start, and what are the construction hours?

The project is expected to start the week of May 11th. This segment of South Market Street is a state maintained road; construction will be completed weekdays, from 6AM to 3PM.

Emergency work will be addressed on a case by case basis, and may occur outside of these permitted hours.

Discoloration of Water

During this important construction project, the City is turning water valves throughout the area. Residents should expect some discoloration of water during the project. Discoloration of water is usually linked to naturally-occurring sediment and mineral products in the water main. It does not pose a health risk, and it normally goes away after flushing.

PLEASE REMEMBER TO:

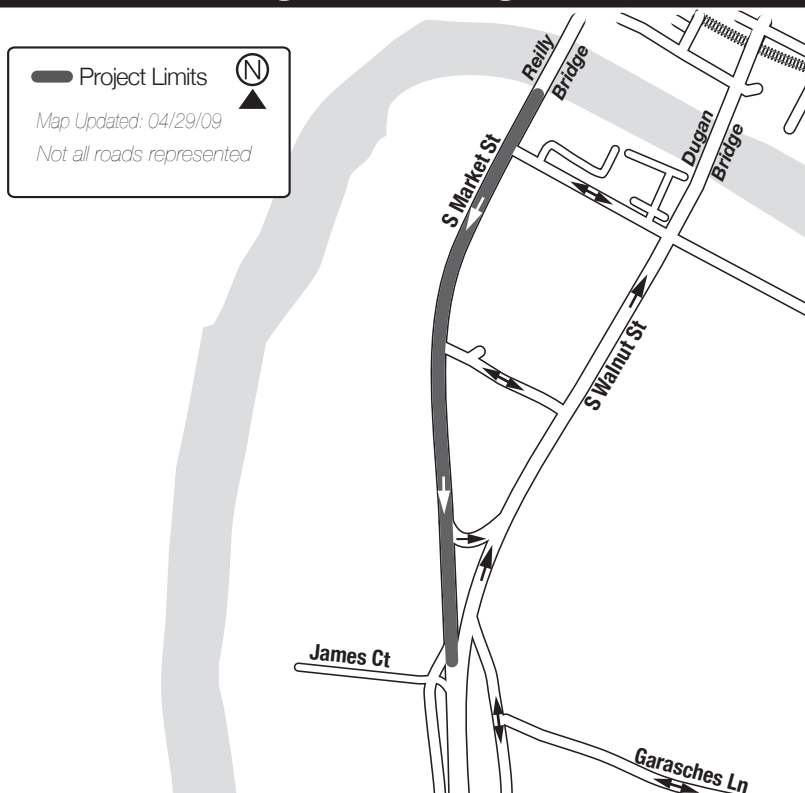


Run each faucet before drinking or using



Run your washer empty on its shortest cycle before putting in clothes to avoid discoloration

South Wilmington Water Main Cleaning & Lining Project



WHO DO I CONTACT WITH QUESTIONS?

**Monday - Friday
9AM - 5PM**

Chris Barber
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Weekends & After Hours Emergencies

City of Wilmington
After Hours Contact Line
302-571-4150