



Wesley Heights Drinking Water Distribution System Improvements

Rehabilitation Program

Charlotte Water reinvests part of the money paid in water bills to replace and reline existing pipes in the oldest neighborhoods so that we can continue to provide high quality drinking water as our City ages.

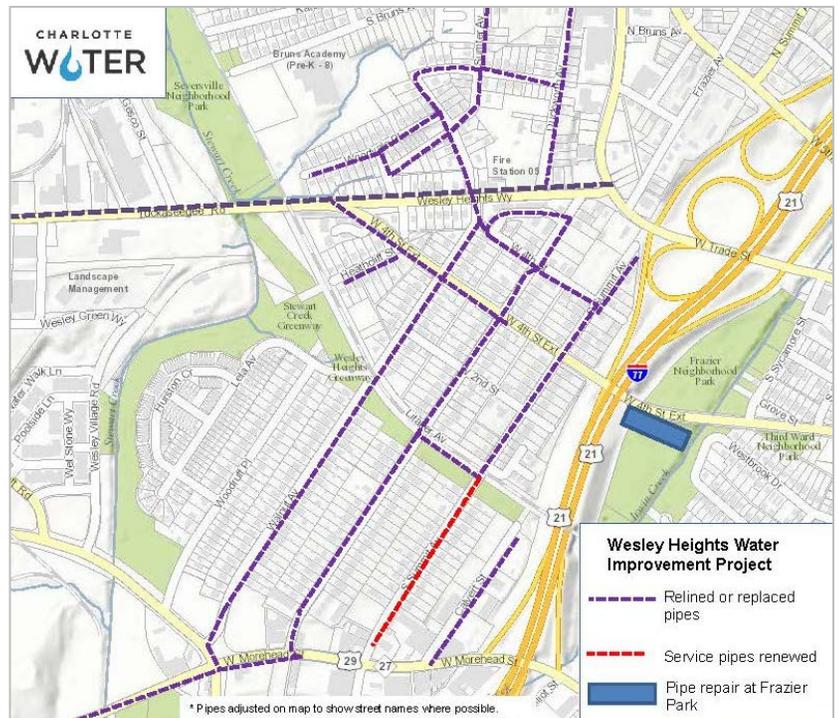
Distribution system rehabilitation projects are identified and prioritized through evaluation of criteria such as:

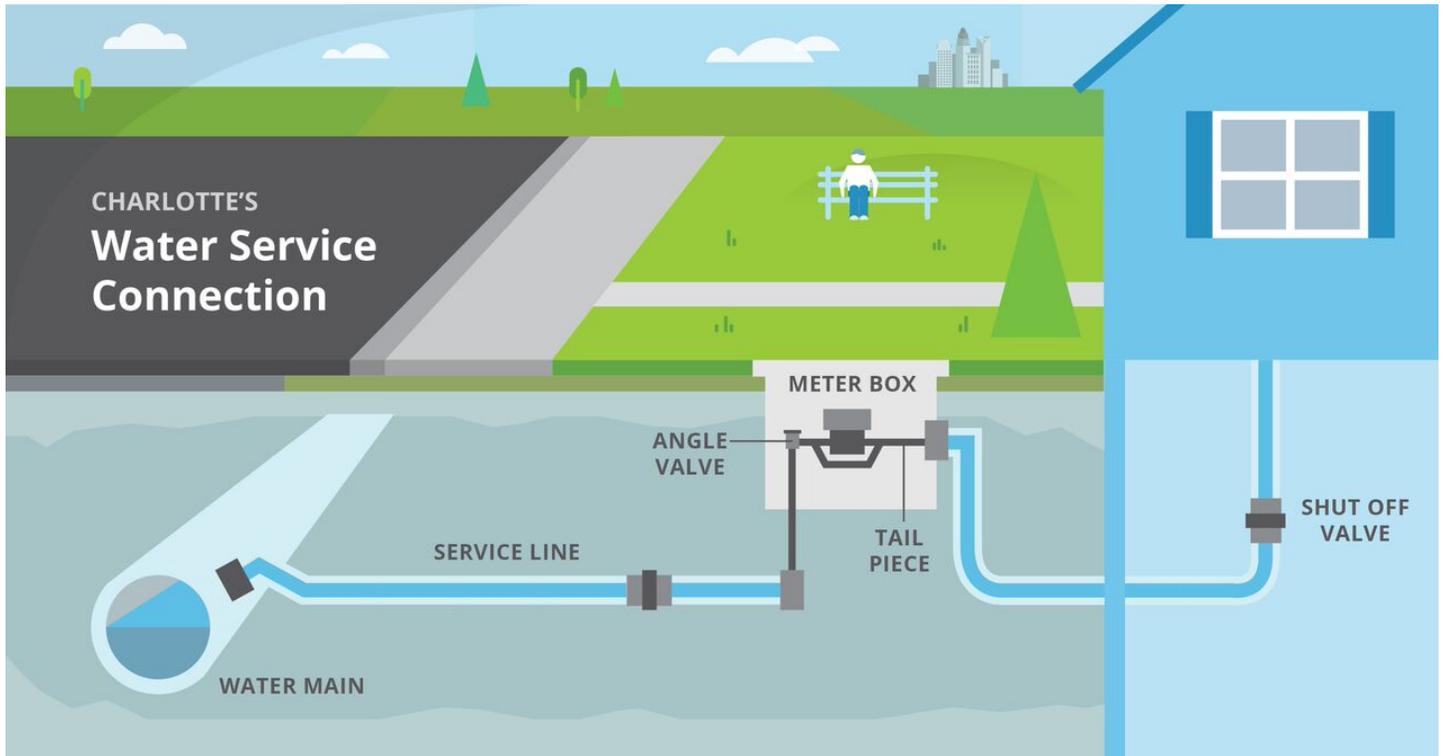
- Water pipe break history,
- Customer service request history,
- Water quality monitoring,
- Pipe location,
- Water supply needs, and
- Pipe age and material.

Recent Water Distribution System Rehabilitation Improvements

Several blocks in Wesley Heights have either had existing pipes relined to extend their service life and minimize construction on the street, or replaced when the pipe is near the end of its expected lifespan. Charlotte Water recently replaced drinking water connections under the 500-700 blocks of S. Summit Avenue as part of this effort. The work consisted of replacing the service line that connects the main pipe running down the street to the meter box at every home.

On March 1st, Charlotte Water discovered a leak on S. Summit Avenue that had developed during construction. In order to make the repair, valves were closed at each end of the block to shut off the water going through the leaking pipe. On March 30th, a customer notified Charlotte Water of discolored water. Crews responded and found that one valve was accidentally left closed after the repair was complete. Over time, it is possible that the closed valve caused sediment to collect at that end which caused discolored (cloudy or brownish) water. Crews found and opened the valve that day, flushed the line through a fire hydrant and conducted bacteriological tests to ensure water quality. In May, customers contacted Charlotte Water and staff was able to identify that the same valve had broken and staff replaced it immediately.





Upcoming S. Summit Avenue Activities

The next project phase in the neighborhood includes improvements to the water main the services the 500-700 blocks of S. Summit Avenue. The recommended improvement calls for replacing the 16" iron pipe with a 12" PVC pipe.

Advantages of replacement:

- Significantly reduces a source of iron available to impact water quality
- Updates infrastructure to extend life of distribution system in vicinity
- Maintains long-term water pressure and supply for customer demand
- Removes infrastructure at the end of its lifespan

Construction Impacts

Construction is messy and loud at times but temporary. Charlotte Water's goal is to minimize the impacts of construction wherever feasible.

- Schedule project as soon as possible
- Some scheduling impacts are dependent on easement access, available contractors, weather, permitting process, etc.
- Flushing will occur often during work
- Contractors perform work on behalf of Charlotte Water but Charlotte Water will have an inspector assigned to the project for oversight
- Detours will be marked if detours are needed
- Charlotte Water will communicate to customers ahead of work