

Water Distribution Services



1 Transmission Watermain

Transmission watermains are large diameter pipes which carry large volumes of water from the supply (either the Surface Water Treatment Plant or groundwater well) to storage reservoirs or towers.

2 Booster Pumping

In some areas within the city, booster pumps are required. These types of pumps are designed to move water from a lower elevation to a higher elevation.

3 Storage

Treated water is stored in reservoirs and towers at different points in the distribution system and it is important to ensure water is available based on community demand and for firefighting purposes.

4 Secondary Disinfection

Water leaving storage reservoirs or towers is continuously monitored for chlorine residual. A minimum residual is required to ensure harmful pathogens are inactivated. If a minimum residual is not detected, it is re-chlorinated. This process is called secondary disinfection.



5 Distribution Watermain

Smaller in diameter than transmission watermains, distribution watermains are used to distribute water from the transmission watermains to customers in all areas of the City.

6 Isolation Valves

Valves are located throughout the distribution watermain network and are used to isolate sections for ongoing maintenance and emergency repairs.

7 Hydrants

Hydrants are found throughout the distribution system and are used for firefighting needs as well as watermain flushing and swabbing which helps to maintain water quality throughout the City.

8 Service Line

A water service line connects your home to the distribution watermain for access to potable drinking water.

9 Curb Stop

Curb stops are valves that isolate individual homes and buildings from the distribution system. This helps to accommodate any maintenance on the distribution system or work that a homeowner may need to complete.