

Hydra-Stop's Insta-Valve 20-24 Delivers Performance Under Pressure

Large city in North Carolina

SUMMARY

Hydra-Stop's solution kept the water running in a highly active and populated area while repairs were made.

THE PROBLEM

During a pipe and valve replacement project for a large city in North Carolina, their General Contractor, State Utilities Contractors, started to operate their existing valves around a planned work area but discovered that water was still flowing. It was determined that the cause of the issue was a not fully operational 20-year-old butterfly valve on a 20" ductile iron line.

Shutting down more valves to compensate for their broken one was not an option. A shutdown would disrupt water supplied to hundreds of buildings in the heart of city's business district, thus affecting hundreds of buildings — including thousands of residents and business customers — while also limiting fire protection, making a large portion of the city vulnerable.

THE SOLUTION

At the recommendation of State Utilities Contractors, Hydra-Stop's Insta-Valve 20-24 was chosen for this project to allow the installation contractor, Garrison Enterprises, to make the appropriate repairs while maintaining service for the city's residents. The Insta-Valve 20-24 — a permanent, resilient seated wedge insertion valve — was installed next to the broken butterfly valve in just four hours and allowed the water to be temporarily rerouted. Full shutdown to the work site was achieved without disrupting service to the surrounding area.



"This project could not have been done without an insertion valve. I was really impressed by and appreciated the excellent support from the Hydra-Stop Team. We were able to achieve a 100% shutdown with the Insta-Valve 20-24!"

Nick Allen, Project Manager
STATE UTILITIES CONTRACTORS



RESULTS

NO SHUTDOWN

The Insta-Valve 20-24 provided targeted control for maintenance, without disrupting service to a large residential and business district.

LONG-TERM VALUE

Insta-Valve 20-24 remains a permanent, reusable asset for the city.

COST REDUCTION

Widespread shutdown was avoided as well as the costs associated with shutdown, including boil orders, loss of treated water and lab testing fees.



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