

# INSTA-VALVE 250 SUCCESS STORY

*Insta-Valve 250 Mitigates Large Service Outages in Residential Neighborhood*

**Holly Springs, NC** | Population: 49,524

## SUMMARY

Hydra-Stop's insertion valve provided targeted control to stop a leak on a transmission line without widespread water service outages in a residential neighborhood.

## THE PROBLEM

The Town of Holly Springs, NC, discovered a leak from a 12-inch transmission line when water came up out of a valve box in the middle of a road in a residential neighborhood. After further investigation, they found the leak came from a tapping sleeve on the transmission line. The leak on the sleeve was at the weld between the flange and the saddle.

Unfortunately, the closest valves to isolate the leak were about two thousand feet apart. Utilizing these valves for isolation would create a water service outage to over 40 residences—nearly the entire residential area.

## THE SOLUTION

The Town of Holly Springs turned to a Hydra-Stop-certified installer, Garrison Enterprise, to complete two (2) twelve-inch and two (2) eight-inch Insta-Valve 250 insertion valves for a tighter isolation area.

Garrison's crew installed the insertion valves in half a day, adding control where none existed and reducing the shutdown area to only a few residences.

With the Insta-Valves in place, the Town of Holly Springs successfully shut off water to the damaged tapping sleeve, allowing them to chisel away the concrete around the sleeve and safely repair the transmission line.



*With the existing valves, we would have had over 40 residences without water service while we made repairs. Thankfully, installing the Insta-Valves minimized service disruption to the neighborhood while safely fixing the leak.*

— **Wayne Wilhelm**, Utilities Manager – Collections & Distribution, **TOWN OF HOLLY SPRINGS**



## RESULTS

### BETTER CONTROL

Crews were able to minimize service disruption and isolate the repair area.

### COST REDUCTION

The city avoided widespread outages, loss of fire protection, boil orders, system pressure drops, loss of water revenue, and other costs associated with system shutdown.

### LONG-TERM VALUE

The city can reuse and capitalize these permanent assets.