

INSTA-VALVE 20-24 SUCCESS STORY

INSTA-VALVE 20-24 PROVIDES NEW CONTROL POINTS WITHOUT DISRUPTING SERVICE TO HOSPITAL

THE CHALLENGE

The City of North Las Vegas, Nevada, has a 24-inch ductile iron water distribution line that serves a VA Hospital, large residential development, and commercial properties. Unfortunately, this line lacks isolation valves for over half a mile without redundancy. If a main break or failure were to occur, the city would not be able to maintain water service for these customers. This pipeline is critical for the area and can not be shut down.

THE SOLUTION

To avoid future service disruptions, the City of North Las Vegas turned to a Hydra-Stop-certified installer, Nevada Tap Master, to add two Insta-Valve 20-24 insertion valves to this stretch of their 24-inch distribution line for added control.

The installations took place along one of North Las Vegas's main roads. Each site shared an existing power conduit sitting 5 inches from the waterline at the 11 o'clock position. Due to the inability to relocate or shut down the power conduit, Nevada Tap Master installed both valves horizontally with a bevel gear.

Both installations took just over two days to complete and did not impact water service to the surrounding customers. Now, the City of North Las Vegas has two new control points to help isolate sections of the waterline to minimize or eliminate service disruptions in the future during any future repair or maintenance.

RESULTS

BETTER CONTROL – Crews were able to add control points without service disruption.

COST REDUCTION – The city avoided service interruptions and the additional costs that a traditional valve cut-in would incur.

LONG-TERM VALUE – The city can reuse and capitalize these permanent assets.



In the past, we would have performed two 24-inch line stops with bypasses to prevent any interruptions to the pipeline system. This would have added more cost for additional line stop excavations, engineered thrust blocks, and piping for the bypasses, along with the cost of conventional gate valves to include couplings for the installation. Hydra Stop's Insta-Valve 20-24 capabilities made it the perfect solution for us to provide to the City of North Las Vegas. – Dave Hardin, Operations Manager, NEVADA TAP MASTER

