



Market
Water & Utilities

Challenge

A four-inch crack had formed in a reinforced concrete pipe (RCP) near a joint where this pipe connected to a steel pipe. As a result, there was an active leak in this 30" pipe that raised concerns of the crack growing, contaminating the potable water, and creating voids around the pipe leading to eventual total system failure.

Engineered Solution

The chosen solution was to isolate the crack by sealing it with three interlocked Standard-Wide HydraTite Internal Pipe Joint Seals.

Scope

Before the installation, the facility lowered the reservoir and shut off all valves to the affected pipe to ensure the field crew's safety. In only seven hours the three seals were installed over the RCP's crack.

Solution

The HydraTite's flexibility of application allowed for this unique, long-term repair and the seal proved to be an economical and time-efficient repair that will protect the pipe for years to come.



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