



INTERNAL PIPE HydraTite® JOINT SEAL

Market

Drinking-Water

Challenge

A water main break flooded the streets at River's Edge in Cincinnati, Ohio. A new section of pipe was ordered in to replace the failed section of pipe, but there were concerns that the neighboring joints in the pipe would fail if preventative action was not taken immediately.

Engineered Solution

The water main leak caused extensive erosion of the soil compaction around the pipe and surrounding areas. Any shifting of the pipe joints could cause leaking at the pipe joints. The engineer specified HydraTite Internal Pipe Joint Seals to eliminate joint leaking near the pipe break and guarantee a bottle tight fix.

Scope

Six HydraTite seals were ordered for installation. These 60" seals were to be installed on the three closest pipe joints on either side of the new section of pipe. HydraTech prepared the pipe joints by clearing away the calcium build-up on the interior pipe surface. Next, the six seals were installed and air tested to ensure that they would guarantee no leaks. The project was expected to take several days, however, HydraTech completed ahead of schedule, in only two days.





Solution

HydraTite provided an economical repair to prevent joint leakage and erosion without the need for additional excavation. HydraTite will protect the people living above this section of the pipe against future sinkholes.



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