



INTERNAL PIPE HydraTite® JOINT SEAL

Market

Stormwater

Challenge

MnDOT discovered two drainage pipes that needed rehabilitation. Both pipes had two joints of concern, one had a diameter of 48" and the other had a diameter of 72". A trenchless option was preferred.

Engineered Solution

HydraTite Internal Pipe Joint Seals were the selected repair method to avoid excavation.

Scope

Mud was cleared away from the joints to ensure the seals could seal properly against the interior surface of the pipe. Extra-wide rubber seals were positioned over the joints in the 72" pipe and standard-wide rubber seals were installed over the joints in the 48" pipe. Two retaining bands were positioned into the rubber seals' designated channels. These bands were expanded utilizing a hydraulic expander and locked in place with wedges. The project was completed in a few days with a crew of only two people.



Solution

These two pipes were rehabilitated quickly using a solution that will last a lifetime. These four HydraTite seals fortified these joints against leaks.



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