



INTERNAL PIPE

HydraTite®

JOINT SEAL

Market

Water / Utilities

Challenge

A water treatment plant in western Ohio was confronted with repairing leaks of costly treated water from an underground transfer chamber, without draining the system.

Engineered Solution

Custom manufactured NSF61 HydraTite® Extra Wide Seals were selected as a solution. The HydraTite® seal, which is typically used to repair joints in pipe and elliptical conduits, was custom designed to accommodate the inside corners and straight surfaces of the rectangular transfer chambers.

Scope

During an inspection performed by divers, a total of five (5) construction joints in various reinforced concrete transfer chambers were identified as the sources of the leaks. The corners of the square cross section chambers required prefabricated stainless steel forms to produce the required radius. The straight sections of the HydraTite® seal are equipped with anchor clips.

Solution

Divers, after training on the installation of the HydraTite® seal, prepared deteriorated surface areas on either side of the joints and installed the HydraTite® seals with the furnished stainless steel forms and anchor clips.



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