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WEBER BASIN JOINT SEALS

WARREN'S NSF-APPROVED EPOXY INCREASES FLOW RATES IN THE WEBER BASIN WATER CONSERVANCY DISTRICT'S POTABLE WATER SYSTEM

**CLIENT TYPE****MUNICIPAL****MARKET****POTABLE WATER****LOCATION****LAYTON, UT****AT A GLANCE****48 AND 60-INCH PIPE JOINTS****AGGRESSIVE SCHEDULE****AQUATIC SAFE****IRRIGATION SYSTEM****JOINT REPAIR****LEAK PREVENTION****POTABLE WATER PIPE****PRODUCTS USED****301-14** HIGH PERFORMANCE EPOXY**151-HG** HYDROPHOBIC GROUT

The Weber Basin Water Conservancy District's (WBWCD) aqueduct system was riddled with leaks throughout its 48 and 60-inch joints. WBWCD contracted Carollo Engineers to assist with a condition assessment of the aqueducts. Upon completion, Carollo determined that the best solution would be an epoxy product that was environmentally safe as well as safe for use in drinking water. Warren Environmental, along with our master applicator A&W Coatings, was awarded the project for our 301-01 epoxy, which is specialized for potable water use. The A&W team sealed over 350 joints within two weeks.

Four years after completion, Carollo and WBWCD performed an inspection of the Weber Basin pipe system. Of the 350 sealed joints, only one 60-inch joint had significant damage in need of repair. This was due to the ground around the joint caving in and the joint itself getting filled with weak materials before A&W worked on the original project. The A&W team filled the joint with Warren's mastic and embedded the coating with E-Glass fiber mesh to ensure the structure's longevity. The other inspected joints were in great condition and it was noted that there was an increase in flow rate throughout the entire system since being lined with Warren's epoxy.

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