



HYDRAWRAP

STRUCTURAL COMPOSITE REPAIR SYSTEM

Market

Water Treatment Plant

Challenge

A section of piping that was immersed in a treatment tank had several deteriorated areas that required repair.

Engineered Solution

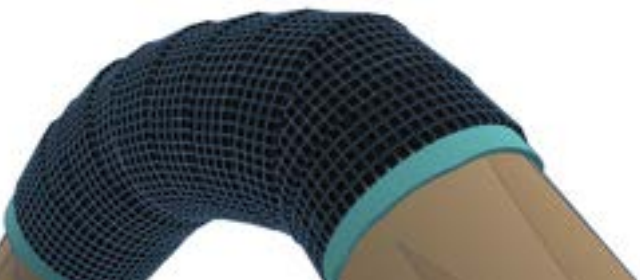
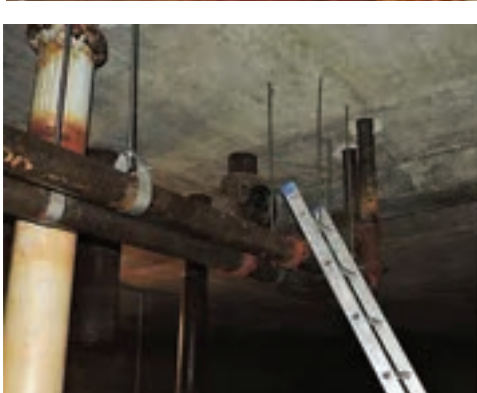
The solution utilized the HydraWrap® Structural Composite Repair System.

Scope

The customer requested that the pipe system be reinforced and brought back to its original design condition and that the repair be made with a very quick turnaround.

Solution

The HydraWrap® composite repair was designed to reinforce an 8" diameter carbon steel supply pipe with a maximum design pressure of 90 psi. The design of the HydraWrap® was based on limiting the strain in the composite repair to the allowable strains recommended by ASME. After applying the HydraWrap® system to the pipe, the composite repair was top coated with epoxy. The project took less than a week to complete.



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