

Project Brief

## Miramar Water Treatment Plant Clearwell 2 Column, Beam & Corbel Repair



San Diego, CA, USA  
January 2003



The City of San Diego Water Department.

Miramar Water Treatment Plant Clearwell No. 2 built in the early 1960's was suffering from general degradation of structural elements.

The majority of the columns, beams, and corbels suffered from moderate corrosion problems coupled with concrete spalling.

Fyfe Co. LLC developed several innovative solutions to handle each challenge. Some solutions included wrapping columns, confining corbels, building beam-struts at the base of columns, and applying the Tyfo® System to the underside of beams for additional flexural capacity.

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