



SCHIFF ASSOCIATES

Corrosion Engineering Services, Lake Elsinore, California

Client: Elsinore Valley Municipal Water District (EVMWD) - 2003 Water Reservoir Improvements Project

Key Project Personnel: Graham E. C. Bell, PhD, PE – Project Principal
Eric Frechette, EIT – Project Manager
Gary Barton – Cathodic Protection Specialist
Robert Pannell – Senior Technician
Steve Nihan and Ron Crumby – Coatings Inspection

Nature of Firm's Responsibility: Design, Construction Services for Coatings and Cathodic Protection

Type of Contract: Design/bid/build

Client Representative: Joe Mouawad, P.E. (951) 674-3146
31315 Chaney Street
Lake Elsinore, CA 92531

Prime Contractor: Superior Tank Company Inc. (951) 538-0369
Larry Wombles
6456 Canal Street
Riverside, CA 92509

Date started: December 1999 **Estimated Completion date:** November 2004

Cost: \$2.1 M (construction)

Size of project: 34 water reservoirs, ranging from 0.1M to 8M Gallons

Narrative: Schiff Associates performed a condition assessment of the District's 43 water reservoirs in 2000, and prepared a Corrosion Control Master Plan (contract value of \$44,000). From the Master Plan, 34 tanks were identified for coatings, cathodic protection, structural and water circulation improvements. Schiff prepared the plans and specifications and assisted the owner during the bid process completed in 2003 (contract value \$94,000). Schiff Associates was selected to perform construction services (contract value of \$256,000) to review submittals and inspect coating and cathodic protection work, and hired a civil engineering firm to inspect water circulation and structural work.

The work must be performed during the winter when water demands are lower, and the work schedule must consider tank clusters where certain tanks cannot be removed from service simultaneously.