

Featured Project

Harrah's Rincon Casino Rincon Water System Improvements

Rincon, California

Harrah's Rincon Casino Resort is a premier resort near San Diego, California. The hotel, which is located on the Rincon Reservation, consists of a 21-story tall tower with 662 luxury guest rooms and suites, 8 restaurants, a full-service spa facility, 13,500 square feet of conference/convention space, 4 concert or event venues, and a full Las Vegas-style casino.

ArcSine Engineering prepared predesign drawings and specifications for a well pump, reservoir, and booster pumping station to supply potable water to the resort. This project augmented the existing Rincon Indian Reservation's water supply system to provide mandated fire flows for the facility.

The project included relocating the reservation's existing water treatment filter system to the well/reservoir/pump station complex, as well as providing complete onsite chemical injection/disinfection. In addition, the system included telemetry to communicate with the Reservation's existing Supervisory Control and Data Acquisition (SCADA) system.

ArcSine's documentation included calculations to support utilizing an existing hotel/casino electrical service and standby generator for the new electric loads. ArcSine's work resulted in reuse of systems which by conventional analysis would have needed replacement, and thus saved the Casino significant construction monies.

ArcSine Engineering's scope of work included construction engineering support consisting of technical support, responding to contractors' requests for information (RFI's), submittal reviews, and construction observation.



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