

Union Hills Water Treatment Plant Job Order Contracts

Project Name: Union Hills Water Treatment Plant Job Order Contracts
Location: Union Hills WTP Phoenix, AZ
Owner: City of Phoenix Water Services Department
Project Construction Cost: \$2.2 M

The UHWTP JOC project comprised of three separate design and build efforts: 1) add two 72” time-transit flow meters to the plant’s main raw water feed; 2) add two high range turbidity meters at the inlet and effluent sedimentation basins; 3) modify the existing controls on 14 finished water pumps and their respective control discharge valves.

Project required adding a second set of time-transit flow meters in a limited and confined area of the plant’s main raw water piping. The plant’s control modifications on the finished water pumping station required careful coordination with the City’s Remote Facilities group in order to maintain water distribution services.

Project includes the following electrical and I&C features:

- Two 72” pipe - time-transit flow meters as a backup to existing meters.
- Turbidity and pH instrumentation
- Automated controls for 14 main water distribution pumps and valves

