

Cave Creek WRP Bar Screen and UV Gate Project

Project Name: Cave Creek WRP Bar Screen and UV Gate Project
Location: Cave Creek Water Reclamation Plant, Phoenix AZ
Owner: City of Phoenix Water Services Department
Project Construction Cost: \$1M

The project required two separate design efforts: 1) an additional bar screen and controls for the plant's influent channel; 2) modify existing UV inlet sluice gate for motor operated actuator with remote controls. The additional bar screen allowed for treatment screening redundancy at the plant's influent channel. The UV sluice gate actuator allowed operator to control gate remotely.

The new bar screen local control panel fell under the new COP 17260 specification requirements.

Project includes the following electrical and I&C features:

- New Bar Screen Local Control Panel built to COP 17260 requirements.
- New 480VAC 3 phase multi-turn gate actuator

