

23rd Avenue WWTP VFD Replacement for Backwash Pumps

Project Name: 23rd Avenue WWTP VFD Replacement for Backwash Pumps
Location: 23rd Avenue WWTP, Phoenix, AZ
Owner: City of Phoenix Water Services Department
Project Construction Cost: \$500,000

Project consisted of designing the replacement of 6-pulse VFDs with 18-pulse VFDs for two 250HP backwash pumps. The work was split into two segments in order to keep the filters operational.

Project includes the following electrical and I&C feature:

- Two 250 HP pump VFDs
- Modification to the existing discharge valve control
- Modification to the VFD's local control panel
- Modification to the Plant's DCS control system

