

Columbia Improvement District Potlatch Intake Improvements Boardman, Oregon



Client:

Columbia Improvement
District
Boardman, Oregon

Contract Value:

\$3,263,587

Project Timeline:

Started: December 2007

Completed: March 2008

Project Highlights:

- Suction dredging of 300 cubic yards of material from underneath the pump station
- Installation of 250 lineal feet of sheet pile cofferdam around pump station
- Installation of 250 lf cofferdam water system
- 4 Fabricated steel intake boxes
- 4 Intake extension tubes
- 4 Stainless steel T-Screen intakes
- 4 Pre-cast concrete T-Screen bases
- Fully Automated airburst system

The irrigation pump station is located in slow moving and shallow water. The intakes were constantly plugging up with material and AAC worked closely with the Columbia Improvement District to alleviate this reoccurring issue.

The project objective was to build a sheet pile cofferdam cell around the existing intake structure and install 4, 63" diameter HDPE new intake pipes with new stainless steel T-screens and airburst system.

This allowed the intakes to be relocated in faster running & deeper waters to avoid the intake plugs. The airburst system alleviates hard, extensive manual labor to clean the intake screens and also allows the pump station to stay online during the cleaning process during the critical irrigation season of the many farms in the area.

