

4.0 MG SUNSET RESERVOIR NO. 2 & BOOSTER PUMP STATION

CITY OF SHERWOOD, OREGON

KEY PROJECT HIGHLIGHTS

- Sited within existing park land
- Creatively integrated water facilities with the park, including tennis courts on the reservoir and trails
- Complex piping and valving facilities efficiently address multiple water supply sources and operation modes
- Minimized visual and environmental impacts by partially burying the reservoir structure
- Incorporated LID design concepts and an on-site detention water quality facility
- Improved system operation and efficiency with the new constant pressure pump station
- Installed a Tideflex® internal mixing system and an automated flushing valve, and improvements to the existing reservoir allow increased circulation and improve water quality

PROJECT AWARDS

- 2010 PNWS-AWWA Excellence in Engineering Award
- 2010 APWA-OR Project of Year Award
- 2010 OCAPA/ACT-OR Excellence in Concrete Award
- Northwest Construction - Best of 2010 Award
- 2010 Oregon Recreation and Parks Association Design Award



"MSA demonstrated creativity and innovation throughout the design of the complex water system improvements and genuine concern for the Sherwood community through a very effective public involvement process. City of Sherwood officials feel that this key piece of the City's Water Supply Improvements Project was a total success."

Craig Sheldon, Public Works Director, City of Sherwood



PROJECT TEAM

Owner:
City of Sherwood, OR
Engineer:
Murray, Smith & Associates, Inc.
Contractor:
Emery & Sons Construction, Inc.

Key Subconsultants:

- MWH Americas, Inc.
- Peterson Structural Engineers, Inc.
- GRI
- Murase Associates, Inc.
- NLV Services, Inc.
- S & B Inc.

Key Subcontractors:

- Marion Construction Company
- DYK, Inc.
- Stettler Supply Company
- Atlas Track & Tennis
- Benton Electric, Inc.
- Northwest Pipe Company



Murray, Smith & Associates, Inc.
Engineers/Planners

WASHINGTON

OREGON

IDAHO