



YAMHILL WATER TREATMENT PLANT City of Yamhill, Oregon

■ **Size:** 500,000 gallons
Completion: 2002
Cost: \$2.7 Million
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■ Water Treatment Plant Improvements

HGE was retained in 1999 to design water system improvements for the City of Yamhill, including a new water treatment plant and second storage reservoir. Funding had already been secured utilizing a grant from the Water/Wastewater Fund and a low interest loan through the Oregon Economic and Community Development Department's (OECDD) Safe Drinking Water Revolving Loan Fund (SDWRLF). The completed predesign report, which was approved by the Oregon Health Division, identified overall budget shortfalls and offered the City Council several options to choose from. HGE was successful in assisting the City by increasing their grant and loan funding package through the OECDD.



Welded steel reservoir



Water treatment plant site overview



Sedimentation basin



New water treatment plant building and sedimentation basin

Design of the improvements to the water treatment facility at Yamhill presented a unique challenge in that the site, located on the banks of Turner Creek, placed very tight restrictions on the size and placement of the needed upgrades and new construction. HGE worked closely with both the City and the various regulatory agencies to develop a design which met both the City's need for additional treatment capacity, while addressing environmental concerns dictated by the close proximity to Turner Creek.

Final design for the project included a new filtration building at the site of the existing water treatment plant, construction of new sedimentation and flocculation basins, upgrades to the existing clearwell, and construction of a new 500,000 gallon welded steel reservoir. Our design was approved by OHD and the involved funding agencies in the fall of 2001. Construction was completed in the early spring of 2002.