

# LIFT STATIONS



## RIVER ROAD PUMP STATION, CLEAN WATER SERVICES, OREGON

- 10.4 mgd (7,200 gpm) sewage pump station
- Pumps to adjacent treatment plant
- Caisson type structure approximately 40 feet deep
- Alternatives included submersibles and end suction centrifugals
- Temporary pumping arrangement to serve new school included
- Aggressive schedule
- Evaluated routing and configuration of proposed force main

## WILLAMETTE LIFT STATION EVALUATION AND UPGRADE, CITY OF LAKE OSWEGO, OREGON

- Replaced City's largest sewage lift station
- Expanded capacity and provided increased reliability
- Abandoning existing package lift station
- Three 1,900 gpm submersible pumps in new 38-foot deep wet well
- 75 hp variable frequency drives
- Permanent standby generator enclosed within new control building
- Special architectural details to fit with the surrounding buildings and public spaces
- Tightly-controlled blasting of the underlying basalt formation
- Advance procurement of pumps, drives and generator
- Temporary bypass pumping accomplished with line-stopping of existing force main



## PEASE ROAD SEWAGE PUMP STATION REPLACEMENT PROJECT, CITY OF OREGON CITY, OREGON

- 1,000-gallons per minute (gpm) station
- Three submersible pumps
- Electrical controls
- Force main air injection system
- Valve and bypass pumping vault
- Standby generator and restroom
- Architecture and landscaping blend into the surrounding residential vernacular

