

Simonds Machinery's Value Added Services & Experience Deliver Significant Savings to Cedar Ridge

Cedar Ridge Housing Development Arnold, CA

New Housing Development Requires Heavy Lifting

Contractor, Cedar Ridge Housing Development was in the process of building 90 homes sites off California State Highway 4 near Arnold, California Calaveras Big Trees State Park. Original lift station plans called for a sewage lift station that could handle 300 GPM @ 160' TDH which required pumps with 50 HP motors and the installation of 6 inch diameter pipe. Initially, two 50 HP motors were needed to handle the high discharge heads. This meant the 300 GPM was at the low end of the pump's capacity with a significantly inefficient level on the performance curve.

Location:

Cedar Ridge Housing Development
Arnold, CA

Date Completed:

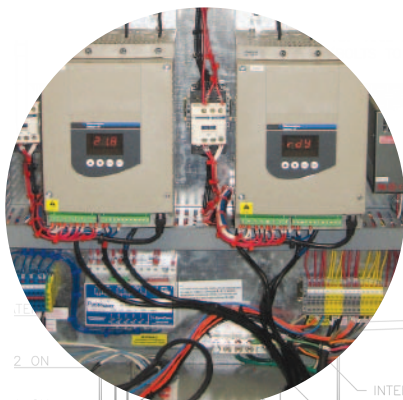
October 2009

Components:

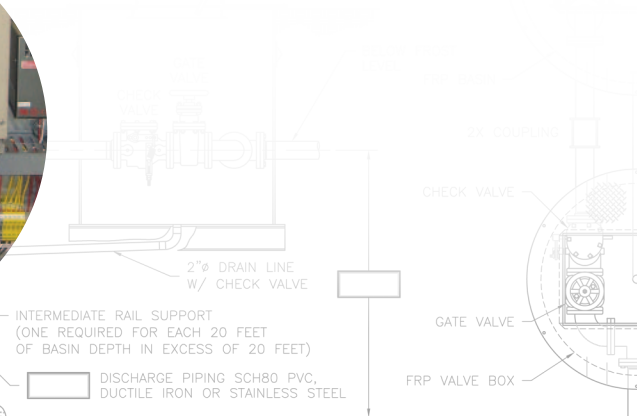
- Simonds Machinery custom pre-built fiberglass packaged lift station
- F.E. Meyers WGX 15 HP grinder pumps
- 145 GPM @ 179' TDH

Results:

Without sacrificing performance, Simonds' solution for equipment and installation—as well as the total cost of ownership—was significantly lower than the contractor's original proposal.



2 ON
1 ON
OFF





Consultation and Recommendation Yields Big Savings

Simonds' team reviewed the project plans, site location and the actual future sewage load on the proposed lift station. They held meetings with the Cedar Ridge Development Company and the Calaveras County Community Services Water District, who would eventually become owner of the lift station. After this review, Simonds recommended the F.E. Myers WGX 15 HP grinder pumps.

These pumps were sized for 145 GPM @ 179' TDH. Not only was the 145 GPM flow rate more than enough to handle the sewage load, the 15 HP pump and motor combination was a huge savings when it came to initial and ongoing operating costs. The revised equipment specs eliminated the need for a new 6" diameter pipeline which would have had to run 1800 feet to connect to the sewage treatment plant. They were able to use the existing 4 inch diameter pipe, a savings of time, labor and money.

Jon Ellis, President of Cedar Ridge Housing Development said that he selected the Simonds Machinery fiberglass lift station package for four major reasons: (1) Proven long term track record (2) User recommendations (3) 50 percent cost savings over the alternative and (4) Simonds is easy to work with."

Mr. Ellis also said "Simonds Machinery kept me informed throughout the project and met all critical deadlines."



Specifications

SMC Custom Duplex Sewage Lift Station consisting of:

- Myers WGX 15 HP Grinder pumps
- 8' diameter x 8' deep Fiberglass basin assembly with slide rail system
- Separate 4' dia. x 4' deep FRP Valve Box
- Custom Duplex control panel with SCADA for remote monitoring and activation

All pre-packaged and ready to install

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