Aspen Glen and Coryell Ranch Water System

Client Benefits

- Fully-functional, fully-permitted new system with high-quality water and low O&M requirements

Project Elements

- Five (5) new 8”- to 12”-diameter, 60’- to 100’-deep production wells
- Total water production capacity of 2.6 MGD
- Three welded steel potable water tanks with 1.2 MG of storage capacity
- Two wellhouses with gaseous chlorination systems, chlorine contacting facilities, valves, instrumentation, well pump controls and motor control centers
- Several miles of 8”- to 12”-diameter ductile iron water transmission lines
- Radio telemetry and SCADA system

Location: Garfield County, CO

Year: 1995 to 1999

Construction Dollar Value: $3+M

Owner: Aspen Glen Golf Company (original client); Roaring Fork Water & Sanitation District (current owner/operator)

Contact: Eric Schmela, with original client, 970.285.9740; Scott Leslie, system operator, 970.379.4050

Key SGM Staff: Louis Meyer, PE; Dave Kotz, PE

Subconsultants and their project roles: Timberline Electric & Controls Corp. (Electrical & I/C engineer); HP Geotech (Geotechnical engineering); Resource Engineering (Water rights engineering)

Aspen Glen Golf Company entrusted SGM to design all aspects of the backbone infrastructure for both its Aspen Glen and Coryell Ranch developments. This included a common water system to serve over 700 units. The system, now owned and operated by the Roaring Fork Water & Sanitation District, has a 10-year track record of smooth operational performance. With the exception of siting the production wells, SGM planned and designed all aspects of the water infrastructure in two phases, starting with the Aspen Glen system and expanding it to serve Coryell Ranch. SGM created a system-wide hydraulic model for use during the planning and design phases and has since calibrated it for use with on-going system expansion work. SGM’s design included sources of supply, raw water transmission system, treatment facilities, treated water transmission lines, and water storage tanks. SGM also SGM gained state approval for the new public water system, successfully navigating the state’s new (at the time) technical, managerial, and financial (TMF) capacity demonstration process.