



RICARDO J.F. GONÇALVES, P.E.

PRESIDENT



EDUCATION

B.S., Civil Engineering

University of Colorado at Boulder

Post-Graduate Studies, Sanitary Engineering

PROFESSIONAL REGISTRATION

Registered Professional Engineer: Colorado, New Mexico

PROFESSIONAL EXPERIENCE

Mr. Gonçalves has over 50 years of experience in the design and construction management of a broad range of civil engineering projects. Expertise includes water and wastewater treatment plants, pumping and storage facilities, water and wastewater collection and distribution systems, roadway design, airport planning and design, storm drainage facilities, residential and commercial site planning and development, and recreational space projects. Mr. Gonçalves also has specialized expertise in municipal and special district engineering and administration. He personally acts as the City Engineer or District Engineer for a number of municipalities and special districts.

Mr. Gonçalves has traveled extensively throughout Europe and Africa and is fluent in the Spanish, Portuguese, French, and Italian languages.

MUNICIPAL ENGINEERING

- ***Parker Water and Sanitation District, Todd Creek Village Metropolitan District, Cherry Creek South Metropolitan District, Superior Metropolitan District No. 1, Lincoln Park Metropolitan District, Stonegate Village Metropolitan District, and Paint Brush Hills Metropolitan District.*** District Engineer for the design and construction management of water and sewer facilities, rate studies, master planning, and general on-call engineering services.
- ***Cities of Edgewater and Dacono, and the Towns of Mountain View, Kiowa, Superior and Buena Vista, Colorado.*** City/Town Engineer for water and sewer facilities, streets and traffic, drainage, hydrology, construction administration, inspection, rate studies, master planning, and general engineering services.
- ***Stonegate Village Metropolitan District, Douglas County, Colorado.*** Project Manager for the design and construction of a 1,600 acre development. Projects included eight well facilities, 4.0 MGD water treatment facility, 6.1 MG of potable water storage tanks, water distribution system, 1.1 MGD advanced wastewater treatment system, wastewater effluent reuse system, water pump stations, sewage pump stations, wastewater collection systems, major and minor arterial streets, and the preparation of two service plans for the formation of two separate metropolitan districts. Prepared a drainage study to establish street grades and drainage

- basins. Calculated required detention basins, recommended the location of detention ponds, and prepared sizing of storm sewer pipe and road crossings.
- **Parker Water and Sanitation District, Parker, Colorado.** District Engineer for the design and construction management for district infrastructure serving a town of 30,000 people. Over a period of 20 years, projects have included design and construction administration of a 2.0 MGD advanced wastewater treatment plant, 9,000 GPM well system, 9.0 MG of buried treated water storage tanks, over 20 miles of 16-inch to 30-inch water transmission mains and 15-inch to 33-inch sewer trunk mains, pump stations, and preliminary design of 55,000 ac-ft surface water storage reservoir. Also prepared rate studies and assisted in operations and maintenance of the District's facilities.

WATER/WASTEWATER ENGINEERING

- **Parker Water and Sanitation District, the Stonegate Village Metropolitan District, the Town of Breckenridge, the City of Monte Vista, the City of Edgewater, Todd Creek Village Metropolitan District, Black Hawk-Central City Sanitation District, Lincoln Park Metropolitan District, Buckhorn Valley Metropolitan District, Fremont Sanitation District, the Town of Florence, Southern Ute Reservation, and the Town of Eckley.** Prepared water, raw water, sewer, and drainage rate studies.
- **Town of Buena Vista, Colorado.** Well Facilities, storage and waterline improvements,. Project manager for a new wellhouse treatment facilities, 750,000 gallon water storage tank, and several thousand feet of 6-8" waterline replacements.
- **Paint Brush Hills Metropolitan District, Colorado.** New well and treatment facility, master water plan, water rate study, 5,000 square foot administration building, 4000 gpm booster pump station, 0.5 MG water storage tank. Project Manager for design and construction.
- **Rawlins, Wyoming.** 10 MGD Water Treatment Plant; Project Manager providing process design, architectural and structural design and hydraulic engineering.
- **Black Hawk-Central City Sanitation District, Black Hawk, Colorado.** 0.5 MGD Activated Sludge Wastewater Treatment Plant. As Project Manager provided design and construction administration.
- **Costilla County Water and Sanitation Assessment Area, Costilla County, Colorado.** As Project Manager, provided the design and construction observation of 15 miles of sanitary sewer line and a 150,000 GPD three-cell aerated lagoon wastewater treatment plant system.
- **Parker Water and Sanitation District South Wastewater Treatment Plant, Douglas County.** Design Evaluation, Value Engineering and Program Management of Colorado. As Project Manager, provided recommendations that saved \$1.5 million in project costs.
- **Rangely, Colorado.** 2.2 MGD Water Treatment Plant and 1.0 MG Water Storage Tank,. As Project Manager, provided design, survey and construction management.
- **Costa Dorado, Mexico.** 1.6 MGD Wastewater Treatment Facility, As Project Manager, provided evaluation of old facility, and performed preliminary design for a new activated sludge/physical treatment new tertiary reuse facility.
- **Parker Water and Sanitation District, Parker, Colorado.** 2.0 MGD South Wastewater Treatment Plant. Project Manager from design through construction.

- ***Parker Water and Sanitation District, Parker, Colorado.*** 4.0 MG Post-Tensioned Water Storage Tank. Project Manager from design through construction.
- ***City of Westminster, Colorado.*** Northwest Water Treatment Plant. Provided program management and third-party consultation for the design/build of a 20 MGD WTP.
- ***City of Westminster, Colorado.*** Reclaimed Water Treatment Facility, Provided program management and third-party consultation for the design and construction of 6.0 MGD tertiary effluent treatment, storage and distribution for the reuse system.
- ***Parker Water and Sanitation District, Parker, Colorado.*** 2.0 MGD North Wastewater Treatment Plant. Provided program management and third-party consultation from design through construction.