



Water Distribution System Water System Improvements City of Clemson

Design South was selected to provide a hydraulic study and water system storage evaluation for the City of Clemson's existing water distribution system.

A computer hydraulic model was developed in H₂OMAP[®] and used to perform a deficiency analysis on the City's existing water system. The analysis included an evaluation of system storage capacity, water transmission main capacity, wholesale water scenarios, system reliability, and distribution system (6-inch and larger) flow capacity.

Design South developed a written report outlining all conclusions and recommendations regarding various system improvements to satisfy and meet present and future needs for the City's overall water system.

Completion of this evaluation resulted in a Water System Improvements project that included two 500,000-gallon elevated storage tanks, a booster pump station, 27,000 feet of 12-inch transmission mains, and 13,000 feet of 8-inch and 6-inch distribution lines.

The Project: Preliminary Engineering Report
Preliminary Design
Field Location Survey
Final Design
Construction Services

Contract Value: \$3,309,922

Contract Period: 300 Days

Principal Contractor: Gar-Con, Inc.
Caldwell Tanks, Inc.



WATER DISTRIBUTION



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PROFESSIONALS, INC.

engineers architects planners