



Greer Water Treatment Plant

24 MGD Expansion

Greer Commission of Public Works

The water treatment plant capacity was increased by 50 percent from 16 MGD to 24 MGD with “high-rate” filtration being used to “supercharge” the existing facilities. Through the addition of more efficient systems and state-of-the-art computerized controls the throughput rate of the conventional sand filters was increased from the “industry standard” of 4 gpm/sq ft of filter surface area to 6 gpm/sq ft. Other plant systems, pumping, and piping were rehabilitated or replaced to operate at the new plant capacity afforded by the “high-rate” filters.

The Greer Water Treatment Plant Expansion was completed at a cost of \$0.76 per gallon of added capacity versus more typical industry averages of approximately \$2.00 per gallon. Greer Commission of Public Works was willing to risk their investment in the necessary engineering time and resources in order to gain regulatory approval to “high-rate” the filters and received an excellent return on their investment for their water system customers.

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

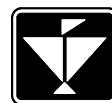
Estimated Cost: \$6,491,000
Contract Value: \$6,100,000

Estimated
Contract Time: 515 days
Contract Period: 564 days

Principal Contractor: M.B. Kahn Construction Co.,



WATER



DESIGN SOUTH
PROFESSIONALS, INC.
engineers architects planners