



Water System Master Plan

Pioneer Rural Water District

Design South has been retained to prepare a comprehensive water system Master Plan for Pioneer Rural Water District. As part of the master planning effort Design South will review a computerized hydraulic network model utilizing MWH Soft's Infowater®. The computerized hydraulic network model will be used as a tool to perform a deficiency analysis of the water system. The deficiency analysis will be used to determine the adequacy of the existing water system to supply existing and future water demands and to supply water for fire protection purposes. To determine system adequacy, compliance with SCDHEC requirements, ISO rating parameters and prudent water industry engineering practices are evaluated.

The criteria used for evaluation purposes include pressures, flow capacity, fire flow capacity, reliability, supply, and storage. The planning effort for this project also included data collection, population projections, determination of water use requirements, and the development of a capital improvements plan.

Populations, community growth, water consumption, and regulatory requirements served as the foundation for evaluating and identifying recommended water system improvements. A written report outlining the conclusions and recommendations of the master planning effort will be prepared and formally presented to Pioneer Rural Water District.

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

Contract Value: \$20,000

Contract Period:

Principal Contractor:

WATER



DESIGN SOUTH
PROFESSIONALS, INC.
engineers architects planners