

Water Infrastructure Security

Easley Combined Utilities (ECU)

ECU wanted to conduct a security assessment of their existing water infrastructure system. ECU engaged Design South to conduct the assessment of their water treatment



Services Rendered

Preliminary Study
Preliminary Report
Preliminary Design

Responsible Firm

Design South
Professionals, Inc.

Client Contact

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plant, high service pump station, water storage facilities, and distribution system based on the new AWWA/ANSI "Guidelines for the Physical Security of Water Utilities". A study of the current security infrastructure was conducted and compared to the new guidelines. Suggested improvements based on the study were then outlined in a report. ECU then engaged us to conduct a preliminary design in order to research the market available technologies, make suggestions on equipment to utilize, and prepare a preliminary opinion of probable costs. With the information in hand ECU can plan and budget to implement need security measures and meet the new AWWA/ANSI guidelines to protect their most important resource – water.

Scope:

- Study and report based on AWWA/ANSI "Guidelines for the Physical Security of Water Utilities"
 - Don L. Moore Water Treatment Plant
 - High Service Pump Station
 - Water Storage Facilities
 - Distribution System
- Preliminary Design
 - Quantify security measures and infrastructure by site
 - Coordinate with Security Experts
 - Prepare site schematics for each site showing security improvements.
 - Research and evaluate "Market Available" security equipment, materials, and supplies
 - Select initial equipment for budgetary costs
 - Develop a Preliminary Opinion of Probable Costs

