

Hart County Water and Sewer Utility Authority Airline Area Water System Expansion Hart County, Georgia

Services Provided:

Funding Procurement:
Georgia Environmental
Finance Authority
(GEFA SRF)
Permitting
Interagency Coordination
Equipment Procurement
Site Design
Bidding
Construction Observation

Project Data:

Waterline Design:
38,000 LF 12-inch.

Water Tank Design:
500,000 gallons.

Booster Pump Station
Design:
Pre-fabricated Booster
Pump Station
Duplex Pumps 300 GPM
Radio Telemetry Controls
Standby Generator
Site Piping

Total Project Cost:
\$2,200,000

Date of Completion:
April 2015

Contact:

HCWSA
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The Hart County Water and Sewer Authority desired to establish water service in its higher elevations in the County. In order to accomplish this goal, a new elevated water tank, waterlines, and two booster pump stations would be necessary.

As of October 2014, the 500,000 gallon water tank is under construction at 90% complete, and the necessary 38,000 LF of water transmission piping is under construction at 95% complete.

For the two new booster pumping stations, the Owner desired to procure the equipment prior to construction. This will encourage more competitive pricing, and expedite the project as well. EMI developed bid documents and technical specifications for the required pumping equipment including but not limited to pumps, control panels, variable frequency drives, PLC's, building materials, and electrical accessories. Bids were received by the Authority on October 8, 2014 and are currently under review for award. Once awarded and building footprint is determined, site design will commence.

The final design will result in two booster pump stations that provided 300 GPM (each) to the Authority's highest elevation zone and new water tank. The stations will be housed in a pre-fabricated skid mounted building with horizontal, end suction, close coupled centrifugal pumps. The pumps will fill the new water tank and be controlled via the SCADA system.