

Abner Creek Sewer and Pump Station

Greer Commission of Public Works, Greer, SC

Project Overview

The Abner Creek Sewer Project is located in the southwest quadrant of the I-85/Hwy 101 Interchange near the Greer, SC BMW manufacturing facility. This new sewer system serves a relatively undeveloped area that is expected to have substantial growth in the next 10 to 20 years. This project presently serves a new elementary school, with new residential and commercial developments being planned for the area's future.



Project Description

The Abner Creek sewer project included the installation of a 700 gpm pump station, 13,351 linear feet of a 12" PVC/DIP force main, 3,467 linear feet of 24" gravity sewer, 2,672 linear feet of 18" gravity sewer, and 4,952 linear feet of 12" gravity sewer.

Rogers & Callcott Services and Results

Basin Study- Rogers and Callcott was engaged by Greer CPW to conduct a sewer study for the Abner Creek Basin to size the gravity sewers, pump station, and force main facilities needed. Based on County Planning Commission land use projections and evaluations of available undeveloped properties, required sewer facilities were sized and construction budget estimates were prepared for the proposed facilities.

System Design – Rogers & Callcott surveyed the site required for the pump station and surveyed the route of the force main and gravity sewers. Rogers and Callcott designed the facilities using AutoCAD software.

Permitting – Rogers & Callcott prepared applications for the wastewater and stormwater permits and acquired them on behalf of Greer CPW from the South Carolina Department of Health and Environmental Control. Rogers & Callcott also acquired South Carolina Department of Transportation encroachment permits and coordinated the wetlands permitting with Environmental Permitting Consultants.

Construction Observation – Rogers & Callcott observed construction of the pump station, force main, and gravity sewers, and coordinated their final inspection with the South Carolina Department of Health and Environmental Control.

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Cost: \$2,251,121