



Allen Road II Lift Station & Force Main

Location
Date Completed
Project Type
Equipment
Owner/Client
Engineer
Length, Pipe Diameter, Pipe Material
Type of Crossing

Macon, GA

November 2011

Sanitary Sewer Force Main Replacement

Mears' 1.1M lb. rig, 70,000 lb. rig

The Macon Water Authority/Astra Grading & Pipe

In-house

4,216-feet, 24-inch, FPVC

Shore Approaches

Project Summary

The Macon Water Authority, in Macon, GA, needed to upsize and replace an existing undersized force main pipeline immediately adjacent to and feeding the Rocky Creek Wastewater Treatment Facility. Complicating the proposed installation was Rocky Creek proper and surrounding wetlands, both of which would have to be traversed for a successful project.

Carter & Sloope, the design engineer for the overall project, recognized that horizontal directional drilling (HDD) could be a viable solution, as well as a way to minimize the environmental impacts of the pipeline installation on the wetlands and creek. They used a pre-qualification process to assure properly qualified HDD Contractors and materials due to the complexity and scope of the installation. Mears Group, Inc. was selected for the HDD portion of the project and elected to install the entire 4,200 LF HDD length, with 24-inch DR-18 Fusible PVC pipe. Layout and installation for the project was a complex undertaking considering property and easement locations, required footprints for drilling and pipeline fabrication, and schedule of the work.

