

## Large Diameter Profile Pipe System Offers Solution for Wilson and Coronaca Creek Trunk Sewer Replacement Project

*Greenwood, South Carolina*

The Greenwood Metropolitan District (GMD) needed to find the best pipe system for their \$46 million wastewater treatment plant (WWTP) expansion and sewer replacement project. GMD chose a large diameter profile pipe system because it was both cost-effective and innovative. The profile pipe system provides an air-tight uniform connection through all joints, including pipe-to-manhole transitions.

### Scope

Spiral wound HDPE profile pipe was used exclusively for this project.

The project included:

- 2,840' of 72" ID PE gravity sanitary sewer pipe;
- 440' of 60" ID PE gravity sanitary sewer pipe;
- 320' of 48" ID PE gravity sanitary sewer pipe;
- and six PE manholes with 48" risers.

All pipes were joined using an integrated electro-fusion bell and spigot technology.



*Wilson and Coronaca Creek Trunk Sewer Replacement Installation*



*Phase I Installation of HDPE Pipe in Greenwood, SC*

### Project Contacts:

*Owner:*

George Martin, assistant manager, GMD

*Engineer:*

Ben Wofford, Jr., P.E., staff civil engineer, Design South Professionals, Inc.

*Contractor:*

Joe Chandler, president, Chandler Construction Services, Inc.

*Third-party Evaluator:*

Jack Ravan, CEO, Water and Sewer Innovative Resources LLC

*"I can honestly say that this is a pipe system technology whose time is well past due"*

*-- Jack Ravan*