

## SURGOINSVILLE SANITARY SEWER SYSTEM

**CLIENT:**

The Town of Surgoinsville

**LOCATION:**

Surgoinsville, Tennessee

**PROJECT TIME FRAME:**

2007 thru Present

**CONSTRUCTION COST:**

\$4 Million

**FUNDING:**

11% EPA, 11% ARC, 11% CDBG, 29% Rural Development  
Community Programs Grant, 38% Local

**PROJECT TEAM:**

**Gary Tysinger, PE, FASCE** - Oversight

**Jill Workman, PE** - Project Leader

**Rick Bowers, PLS** –Surveyor

**Sam Clark** - Designer

**Clinton Reeser** – Construction Observation

**PROJECT SERVICES:**

- Surveying & Easements
- Preliminary Engineering Reports & Analysis
- Sanitary Sewer System Design
- Permitting
- Construction Drawings & Documents
- Construction Services & Observation
- Funding Assistance

**PROJECT DESCRIPTION:**

This project involved the development of a new public sanitary sewer system for the Town of Surgoinsville in Hawkins County, Tennessee. The first phase of the system development serves the Surgoinsville Elementary and Middle Schools and approximately 195 properties in the Town. The system was designed with the additional capacity to serve approximately 700 properties. A comparative analysis was performed to evaluate economically feasible options for development of a sewer system, and a low pressure septic tank effluent pump (STEP) collection system was selected by the Town. The system is comprised of approximately 9 miles of low pressure sanitary sewer collection lines and individual STEP services. Complex challenges associated with this project included securing and maintaining funding sources, sewer rate analysis, guidance for start-up of a new public utility, sewer line routing within limited public right-of-way, hydraulics, customer identification, extensive permitting, and diligent coordination with local utility providers and government officials. This project was jointly funded by the United States Department of Agriculture (USDA) Rural Development and a CDBG grant. Construction work for this project was performed by Mike Smith Pump Service, LLC. This project is currently underway and anticipated to be completed on schedule and under budget in 2015.

### Sewer Collection Lines



### STEP Systems



### Pumps

