


*DeKalb County: Snapfinger and Polebridge
Creek Wastewater Treatment Plant Design*

Project:	Snapfinger and Polebridge Creek Wastewater Treatment Plant Design	
Client:	Parsons Water & Infrastructure Inc. as part of DeKalb Water Alliance Consulting Team	
Location:	DeKalb County, GA	
Completion:	Completed	

Objective: Specific design inputs for upgrades to the Snapfinger and Pole Bridge Wastewater Treatment Plants from a combined flow of 56 mgd to 110 mgd.

MME was contracted to perform a range of civil engineering design services associated with the upgrading of the wastewater as a member of the DeKalb Water Alliance Consulting Team engaged by DeKalb County. Among the assignments were:

- **Surveying** – Provide survey crew including a registered surveyor to assist with preparation of a base survey plan and layout the new facility
- **Condition assessment** – inspect existing facility and treatment systems, document observations including pictures, structural/corrosion inspections; mechanical/electrical equipment inspections; prepare report
- **Piping design** – provide mechanical engineer to work with design team to develop pipe layout and prepare installation
- **Specifications** – Participate in preparation of specifications for welding, pipe installation and painting
- **Cost estimating** – Prepare detailed construction/installation quantities and budget cost estimates for items designed by MME
- **Site design** - site plan, grading, utility design, erosion control, drainage, access roads, security fence, NPDES permitting
- **Sanitary Sewer Flows** - Statistical analysis of data from about 120 flow and rainfall monitors with a view to projecting plant design capacity to incorporate future growth and predictions for inflow and infiltration;
- **Geotechnical** - Performing geotechnical investigations leading to development of recommendations for foundations for the various structures within the project site.