



CCUA Peters Creek WWTF-Ph 2 Ribs

Project Owner: Clay County Utility Authority (CCUA)

Client: Ardurra Group Inc.

Markets: Utilities

Project Profile:

The subject project is the existing Peters Creek Water Reclamation Facility (WRF), which is located in the vicinity of County Road 315 and State Road 16 off Rosemary Hill Road in Green Cove Springs, Clay County, Florida. This task order included performing a geotechnical exploration, laboratory testing program, and engineering analysis to assist the expansion of the existing Peters Creek WTF. To assist in the design of the Rapid Infiltration Basin (RIB) systems necessary to accommodate the planned WRF expansion, MAE and AST (AquaSciTech Consulting) were contracted to develop a comprehensive hydrological groundwater model of the project site. Our role in this task was to coordinate with AST and collect the data needed for developing this model. Under the direction of AST, MAE installed piezometers at six locations strategically placed throughout the site. To explore the subsurface conditions within the area of each piezometer location, we located and performed 6 Standard Penetration Test (SPT) borings, drilled to depths of 30, 40, and 50 feet below the existing ground surface. Representative soil samples obtained during our field exploration were visually classified by a geotechnical engineer.

Services: Geotechnical Engineering

