

Project Name

Site Planning and Environmental Investigations for 220-Unit Market Rate Rental Community

Client

Pennington Properties, LLC

Services Provided

- # Preliminary Assessment
- # Site Investigation
- # Geotechnical Assessment
- # Site Planning
- # Remedial Investigation
- # Preliminary/Final Remedial Action Workplan



Project Description

The site is located on either side of William Trent Place and next to the historic William Trent House in Trenton, NJ. The Trent House site is approximately 10 acres, and is currently used as a parking lot for the Hughes Justice Complex. The project is the first of its kind in the City involving market rate rental housing. SAI was retained by the Client to perform the Preliminary Assessment for the site. Based on the findings from the P/A, a Site Investigation and Remedial Investigation were initiated. In addition, field investigations were conducted to determine the subsurface soil conditions for building foundation. SAI is also designing the Site Plan components of the project to be presented to the City of Trenton Planning Board in May 2003.

Approach

Based on the Concept Plan prepared by the Client's architect, SAI designed the engineering components of the project, including the Development Plan, Dimensional Plan, traffic control, drainage system, sanitary sewer system and water supply system. During the design process, SAI had several meetings with the City of Trenton Planning Board, Engineer, Fire Marshall, Sewerage Authority and Traffic Engineer to get their input at early stages of the project.

Because the site had historical uses from residential to commercial, SAI initiated environmental investigations prior to development to determine if there were any environmental concerns, and if so what remedial actions and engineering controls should be designed for the project.

SAI also performed field investigations to determine the geotechnical characteristics of subsurface strata. Soil samples collected from the field were analyzed at Princeton Geotechnical and Materials Services, LLC, an in-house geotechnical laboratory, to determine the soil strength parameters. Based on the lab analyses and field observations, a geotechnical report was prepared with recommendations for the building foundation.