
Fort Knox Barracks, Fort Knox U.S. Army Base ***Fort Knox, Kentucky***

Project Description

Pro Geotech, Inc. performed a subsurface investigation for preliminary foundation design for new barracks at Fort Knox U.S. Army Base in Kentucky. Pro Geotech advanced four (4) structural test borings for preliminary barracks foundation design. The barracks complex includes multiple structures consisting of five 60,000 square foot Barracks, one 23,000 square foot Battalion Headquarters, and one 30,000 square foot Dining Facility. The structural test borings ranged in depth from 17.6 to 41.3 feet and were terminated in bedrock. General foundation recommendations for both spread and deep foundations were provided. The major concern at the site was potential consolidation settlement of the clayey soils and potential karst features within the carbonate bedrock. Pro Geotech performed both classification testing and physical testing to determine the engineering properties of the soil and bedrock samples.

Client:

KFZ DESIGN
655 Eden Park Drive.
Cincinnati, Oh 45202

Contact:

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Performance Period:

February 2004 – April 2004

Project Costs:

\$11,559

PGI's Role:

Geotechnical Exploration



Pro Geotech, Inc.