

King's Landing Creve Coeur, Missouri

Geopier® Rammed Aggregate Piers™

Project Team

Geotechnical Engineer: SCI Engineering, Inc.

Structural Engineer: Alper Audi, Inc.

Owner: MLP

General Contractor: Pioneer Construction

Geopier Installer: Foundation Service Corp.

Geopier Designer: GFC – St Louis

The geotechnical engineer and structural engineer recommended, specified and designed for a proven, economical Rammed Aggregate Pier foundation solution.

Project Overview

Description:

Construction of a five story garage and four story retail/apartment building, forming parts of a multi-use development on a 3.1 acre project site. Supported column loads range from 300 to 1,600 kips.

Subsurface Conditions:

Medium stiff to stiff clay fill to depths of up to five feet, underlain by up to nine feet of natural, soft to medium stiff clay, overlying highly plastic clay. Weathered sandstone bedrock was encountered during explorations at depths of 41 to 52 feet.

Geopier Solution:

The project geotechnical engineer recommended the Geopier Intermediate Foundation System as an alternate to a drilled pier foundation for the project. Over 800 Rammed Aggregate Piers



(RAPs) were installed to average depths of 12 feet to support spread footings loaded to 6,000 pounds per square foot. The use of RAPs eliminated the risk of overages associated with drilled pier bearing strata depth and quality, and provided both cost and schedule advantages as compared to drilled piers.

FOR MORE INFORMATION

Contact Geopier Foundation Company at **800-371-7470**

or at **www.geopier.com**



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The Intermediate Foundation System