

Marriott Courtyard Hotel Maple Grove, Minnesota

Geopier® Rammed Aggregate Pier® System

Project Team

Owner: Torgerson Properties

Geotechnical Engineer: Braun Intertec Corporation

Structural Engineer: Heyer Engineering

General Contractor: Shingobee Builders, Inc.

Geopier Installer: Foundation Service Corporation

Geopier Designer: GFC-Midwest

The Geopier® Intermediate Foundation® System provided significant cost savings and schedule advantages as compared to conventional overexcavation and replacement that would otherwise have been required.

Project Overview

Description:

Construction of a 21,000 square foot, 4 story hotel with interior column loads up to 432 kips.

Subsurface Conditions:

Discovery of up to 30 feet of uncontrolled fill in two-thirds of the building footprint. The fill was backfill at the limits of an old gravel mining pit.

Geopier Solution:

The Geopier® Rammed Aggregate Pier® System was selected over massive overexcavation and replacement during the winter months and to eliminate the use of driven piles. The Geopier approach allowed the designers to use conventional spread footing foundations throughout the structure. The RAP elements supported column loads up to 432 kips and maximum wall loads of 14 kips per lineal foot, and afforded a high allowable bearing pressure of 7,000 pounds per square foot.



FOR MORE INFORMATION

Contact Geopier Foundation Company at **800-371-7470**
or at **www.geopier.com**

A  **tensor**® Company