



Heifer International Headquarters

Little Rock, Arkansas

First Platinum LEED® certified building in Arkansas, the only one in the South Central United States and just one of 45 nationwide

Description: Sustainable construction was a top priority for the Heifer International headquarters. This facility was awarded the Platinum LEED® (Leadership in Energy and Environmental Design) certification, the highest award level for structures that demonstrate environmental responsibility. This made the four-story, 94,000-square foot structure the first Platinum LEED® certified building in Arkansas, the only one in the South Central United States and just one of 45 nationwide.

Subsurface Conditions: Soil conditions consisted of yellowish, red and gray clayey sand with some gravel. This was underlain by very dense brown and tan cobbles, gravel and sand or clayey sand. Groundwater was encountered in the upper 12 feet.

Geopier Solution: More than 450 Geopier® elements were installed in just over two weeks, providing substantial cost savings and an accelerated construction schedule compared to conventional techniques. The Rammed Aggregate Pier® (RAP) engineered foundation solutions provided assistance



with Heifer's LEED certification goals by using recycled concrete from old warehouses crushed on-site, diverting demolition debris from landfills.

Additional sustainable benefits were:

- ▶ Reduction of high fossil fuel consumption needed for massive overexcavation and replacement
- ▶ Potential eliminated for harmful water runoff, siltation and environmental disturbance with dry RAP process
- ▶ Reduction of environmental noise levels

PROJECT TEAM

Owner:

Heifer International

Geotechnical Engineer:

Grubbs Hoskyn Barton & Wyatt Inc

Structural Engineer:

Cromwell Architects/Engineers

General Contractor:

CDI Contractors, LLC

Geopier Installer:

Peterson Contractors, Inc

Geopier Designer:

GFC-Midsouth