

PROJECT DESCRIPTION

PROJECT:	Grizzly Peak Assisted Living Facility		
LOCATION:	Missoula, Montana		
DESIGN TEAM:	<i>Architect:</i>	Reed Reinvald Johnson Willows	
	<i>Structural Engineer:</i>	AHBL Engineers	
	<i>Geotechnical Engineer:</i>	GMT Consultants, Inc.	
CONTRACTOR:	Rushforth Construction Company		



DESCRIPTION:

Site subsurface conditions consist of about 6' to 8' of soft silty overburden soils above competent gravels. Recommendations for foundation support consisted of short, drilled concrete piers bearing in the underlying gravels. Over 500-drilled concrete piers were used to support the Phase I development.

The Geopier® System was evaluated by the design team and selected for foundation support for the Phase II construction. Because of the exceptional side friction developed by the Rammed Aggregate Pier® (RAP) elements, each RAP was designed to carry over twice the working load of the concrete piers. Approximately 229 RAP's were used to support the structure (as compared with over 500 concrete piers originally planned).

The Geopier approach also offered a tremendous schedule advantage. The RAP installation was completed within 6 working days on-site. About 3 to 4 weeks were required to construct the drilled piers during the Phase I construction.

REFERENCES:

Mr. Kim Nakamura
Rushforth Construction
(253) 922-1884

Mr. Randy Gould
Reed Reinvald Johnson Willows
(253) 572-3993

Mr. Andy Herrick
AHBL Structural Engineers
(253) 383-2422