

PROJECT DESCRIPTION

PROJECT:	Ogden Assisted Living Facility		
LOCATION:	Ogden, Utah		
DESIGN TEAM:	<i>Architect:</i>	Reed Reinvald Johnson Willows	
	<i>Structural Engineer:</i>	AHBL Engineers	
	<i>Geotechnical Engineer:</i>	AGRA Earth & Environmental	
CONTRACTOR:	Rushforth Construction Company		



DESCRIPTION:

The site contained soft, black organic existing fill soils that extended to depth of up to about 10' in the building area. The soils were unsuitable for foundation support.

AGRA Earth & Environmental evaluated the challenging site conditions and provided various options for foundation support. The alternatives considered were:

1. Overexcavation of the organic fills and replacement with structural fill
2. Drilled piers or pile foundations
3. Helical piers or "Chance" anchors
4. Rammed Aggregate Pier® (RAP)

These options were evaluated and the Geopier® System was selected for foundation support. The RAP's were designed to support a grade beam foundation system. The relatively high capacity RAP and the grade beam design provided a cost effective foundation system. Foundation construction started several days after the start of the RAP installation.