

GEOTECH FOUNDATION COMPANY - WEST 214 SE WALNUT STREET • HILLSBORD, DREGON 97123 PHDNE: 503-640-1340 • FAX: 503-648-6706

PROJECT DESCRIPTION

PROJECT:	Safeway	
LOCATION:	Madras, Oregon	
DESIGN TEAM:	Architect: Structural Engineer: Geotechnical Engineer:	Mulvanney Architects: Portland, Oregon Froelich Consulting Engineers, Inc.: Tigard, Oregon David J. Newton Associates, Inc.: Portland, Oregon
CONTRACTOR:	James E. John Construction Co., Inc.: Vancouver, Washington	
OWNER:	Safeway, Inc.	



DESCRIPTION:

- Single story 55,255 square-foot retail structure
- Wall loads up to 3.5 kips per foot
- Foundation loads up to 70 kips
- Undocumented fill overlying bedrock

The site, which was on a slope, consisted of up to 19 feet of undocumented fill overlying very dense Fresh Deschutes Formation Tuff.

The geotechnical report recommended excavating up to 15 feet and replacing up to 9 feet of engineered structural fill. The Geopier® System was selected as a Value Engineering alternative.

A total of 196 Rammed Aggregate Pier® (RAP) elements were installed in only 3 working days on-site.

REFERENCES:	Jim Aarhus, Project Manager James E. Johnson Construction Co., Inc. (360) 696-0837	Timothy T. Terich, P.E. Froelich Consulting Engineers, Inc. (503) 624-7005
	David J. Newton, P.E. David J. Newton Associates, Inc. (503) 228-7718	Matt Nash Mulvanney Architects (503) 223-8030