

## PROJECT DESCRIPTION

<b>PROJECT:</b>	The Round At Beaverton Central	
<b>LOCATION:</b>	Beaverton, Oregon	
<b>DESIGN TEAM:</b>	<i>Architect:</i>	Stastny/Brun
	<i>Structural Engineer:</i>	Kramer Gehlen Associates
	<i>Geotechnical Engineer:</i>	West Coast Geotechnical, Inc
<b>CONTRACTOR:</b>	Bingham Construction Company	



### DESCRIPTION:

- \$70 Million mixed-use development in downtown Beaverton
- Multistory structures, including: two office buildings, a hotel, a parking structure, a theater complex, two retail building and condominiums with lower level parking
- Column loads between 100 to 800 kips

Old, uncompacted fills and a layer of soft, highly organic silt and peat up to 18' thick were identified in the geotechnical borings. Initial plans were to install driven or augercast piles to depths of at least 60' in order to control settlements. The Geopier® System was selected as a cost-effective Value Engineering alternative.

30" diameter Rammed Aggregate Pier® (RAP) up to 23' in length penetrated the old fills and organic/peat soils, and made it possible to utilize conventional spread footings with design bearing pressures up to 7000 psf. Tension piers with a design load of 30 kips each and load tested up to 60 kips were installed to resist seismic uplift forces.

### REFERENCES:

Mr. Burr Boutwell, Construction Manager  
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Mr. Bob Larson, Superintendent  
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Mr. Joe Gehlen  
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