



GEOTECH FOUNDATION COMPANY - WEST®
214 SE WALNUT STREET • HILLSBORO, OREGON 97123
PHONE: 503-640-1340 • FAX: 503-648-6706

PROJECT DESCRIPTION

PROJECT: Lake Union Landing

LOCATION: 1151 Fairview on Lake Union, Seattle

DESIGN TEAM: *Architect:* Mithun Partners
Structural Engineer: Michael Nouwens Structural Consultants
Geotechnical Engineer: Nelson-Couvrette & Associates

CONTRACTOR: Baugh Construction Company



PROJECT DESCRIPTION

The project site is located on the south shore of Lake Union in Seattle, Washington. Geotechnical explorations indicated that the site was underlain by up to 100 feet of existing fill, placed during the construction of Interstate 5. The existing fill soils were variable in nature, and unsuitable for support of shallow foundations. Driven piles, about 120 feet in length, were required to support the two-story office building.

Through interaction with the design team and the contractor, the Geopier® System soil reinforcement was selected as a feasible alternative to the planned deep pile foundations. The Rammed Aggregate Pier® (RAP) reinforcement extended to depths of about 10 feet beneath bottom of footing grade. The approach provided a known uniformity beneath the building foundations on a site with highly variable subsurface conditions. The Geopier System approach was cost effective, and the installation was completed within about 5 days onsite.

REFERENCES

Kelly Smith, Pete Spencer
Baugh Construction Company
(206) 726-8000

Ronald Van Der Veen
Mithun Partners Architects
(206) 623-3344