

ANOTHER GTFC-WEST AGGREGATE PIER PROJECT

**PROJECT: WEST BEARING HOUSING
PORTLAND, OR**

**DESIGN TEAM: GBD ARCHITECTS - ARCHITECT
KPF CONSULTING ENGINEERS - STRUCTURAL ENGINEER
GEODESIGN, INC. - GEOTECHNICAL ENGINEER**

CONTRACTOR: LORENTZ BRUUN CONSTRUCTION



...their company [is] completely professional from the office to the newest field employee... I can call GTFC-W when I have a project in the early design stages and their team will work closely with myself and my design team to develop a system that fits the all important "budget" of our client ... they make my job easier and also make it buildable by helping me control the budget.

*Tom Clark
Lorentz Bruun Construction*

CONSTRUCTION NOTES:

Total Engineered Aggregate Piers installed: 126 (26 tension)

Days on Site: 7

SOIL PROFILE & SUMMARY:

This is the high profile location of the former West Bearing business. The site soils consist of over 15 feet of urban fill (construction debris in a soft to very soft sandy Silt matrix), lying over variable sand and silt alluvium with some wood organics extending up to 27' below grade.

The GTFC-West engineers helped the design team overcome loading and urban construction difficulties, including a neighboring unreinforced masonry structure with a basement extending to the lot-line.

The GeoRam Engineered Aggregate Pier system penetrated all soft soil and organics while offering budget and schedule savings as a value-engineering alternative to pressure-grouted CFA piles and mass over-excavation of the fill material.

