

Office Max - Garden Street Development Santa Barbara, California



Description: Construction of a 48,000 square foot retail building. Interior column loads were on the order of 80 kips.

Subsurface Conditions: The geotechnical exploration revealed a 10- to 13-foot thick zone of liquefiable sandy soil below the planned footing grade. The liquefiable layer extended to a maximum depth of 20 feet below finish floor grade for the building.

Design Details: A total of 170 *Geopier*® elements were installed to support the structure and to mitigate the liquefaction potential at the site. Equipment accessibility allowed for the installation of the elements immediately adjacent to the foundation wall supporting an unreinforced masonry building located on the adjoining property.

Geopier Licensee: Geopier Foundation Company - West

General Contractor: Tolladay Construction, Inc.

Owner: Office Max

Geotechnical Engineer: Krazan & Associates, Inc.

Structural Engineer: Lednik & Minor

Reference: Mr. Bo McFadden - Tolladay Construction, Inc. - (209) 291-9151
Mr. Rifaat Salem, P. E. - Krazan & Associates, Inc. - (209) 348-2200