

Subsurface Constructors

Ground Improvement

Hilton Garden Inn East Boston



Subsurface Constructors installed 1,005 [vibro stone columns](#) to improve the maximum bearing pressure beneath the Hilton Garden Inn of East Boston, Massachusetts to 4,000 pounds per square foot. The soil profile beneath the site consists of 13 to 20 feet of miscellaneous urban fill overlying a two-to-seven foot layer of organic sand on a stiff, silty clay. The site required a 5-foot grade raise.

Project details:

Owner: First Bristol Corporation

Geotechnical Engineer: GZA Geoenvironmental

General Contractor: Consigli Construction

Structural Engineer: Allied Engineering

Services Provided: Ground improvement, stone columns

Year: 2014

Location: Boston, Massachusetts