

Subsurface Constructors

Ground Improvement

Selby Milton Victoria Apartments



Ground improvement with stone columns on apartment building site

The Selby Milton Victoria Apartments are a three-story structure without a basement in St. Paul, Minnesota. The geology of the site was primarily uncontrolled fill soils composed of silty and clayey sands. The fill depths extended from 7 to 13 feet below existing grade. Natural soils under the fill were sandy soils to boring termination depth of 26 feet below existing grade.

Subsurface Constructors installed 130 [vibro stone columns](#) to provide a maximum bearing pressure of 3,500 pounds per square foot (psf). Piers were also installed within 5 feet of the property line on the north and west sides of the property.

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Project details:

Owner: Selby Milton Victoria Apartments

Geotechnical Engineer: Northern Technologies, LLC

General Contractor: Watson-Forsberg

Services Provided: Ground improvement, stone columns

Year: 2018

Location: St. Paul, Minnesota