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