

Subsurface Constructors

Ground Improvement

LSC Storage Facility



Aggregate pier ground improvement for an existing warehouse

Subsurface Constructors installed 400 [aggregate piers](#) inside an existing warehouse on Long Island, New York that is being converted to a two-story storage facility. We used our innovative vibro flot system on a rig set up for working inside a building with height restrictions varying between 16 and 20 feet. The aggregate piers were installed to a depth of 10 to 13 feet to [improve and reinforce loose fills and soft silts](#). This approach provided the project with significant cost savings from over-excavation of 10 to 13 feet below the existing building or [pile foundations](#).

Project details:

Owner: LSC Development

Geotechnical Engineer: Soil Mechanics

General Contractor: Zenith Group

Structural Engineer: TDM Engineering, P.C.

Services Provided: Aggregate pier ground improvement

Location: Long Island, New York