

# 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