



# SUBSURFACE CONSTRUCTORS INCORPORATED



[www.subsurfaceconstructors.com](http://www.subsurfaceconstructors.com)

WE TAKE THE NEWEST  
TECHNOLOGY  
AND RUN IT INTO THE GROUND.

GROUND IMPROVEMENT   **AGGREGATE PIERS**   VIBRO COMPACTION   DRILLED SHAFTS   EARTH RETENTION   DRIVEN PILE   AUGERCAST PILE   MICROPILE

## Western Ridge Medical Office Building CINCINNATI, OH

### PROJECT DESCRIPTION

#### Aggregate Piers for Improved Bearing Capacity

The purpose of ground improvement on this site was to reinforce the site cohesive soils in order to provide a bearing pressure of 5,500psf under the isolated and continuous footings. Subsurface Constructors designed and installed vibro stone columns, also called aggregate piers, in order to provide this improvement. Additionally, Subsurface treated the floor slab for a total of 387 stone columns.

### PROJECT TEAM

**Owner:**

Good Samaritan

**Structural Engineer:**

Level 5 Engineering, Inc.

**Geotechnical Engineer:**

HC Nutting (A Terracon Co)

**General Contractor:**

Duke Construction

**Ground Improvement Design/Builder:**

Subsurface Constructors, Inc.



TODAY'S INNOVATION WITH 1906 ROOTS.