



## Hotel Case Study



### Ground Improvement – Installing Vibratory Stone Columns

#### PROJECT OVERVIEW

The client planned to build a hotel in a densely populated area. However, the ground was soft and incapable of supporting the structure. The location of the project posed additional challenges, including a significant amount of traffic, and careful sequencing would have to be preplanned to ensure construction remained on schedule.

#### OUR SOLUTION

We assessed the soil and determined that installing vibratory stone columns (VSCs) would solidify and stabilize the ground. CNC worked with the contractors to acquire the necessary permits, since our equipment crossed state lines. We created an installation plan to improve the soil conditions while keeping the overall project on schedule.

#### SOLUTION AND RESULTS

CNC completed the VSC installation on time and under budget. The project was straightforward, and we kept the environment of the site clean. The contractor was happy with CNC and able to continue hotel construction on stable ground.

### Project Details

#### SECTOR

Hotel, Hospitality

#### LOCATION

New Rochelle, NY

#### SERVICE

Ground Improvement

#### SOLUTION(S)

Bearing Capacity /  
Settlement Control

#### APPLICATION(S)

Vibro Stone Columns (VSCs)

