

Subsurface Constructors

Ground Improvement

Residence Inn



Ground improvement with vibro stone columns on hotel site

Subsurface Constructors installed a [ground improvement](#) system of 432 [vibro stone columns](#) to a depth of 12.5 feet or refusal across the Residence Inn site. The site geology consisted of varying uncontrolled fill soils: lean clay, silty clay, sandy lean clay, sandy silt and silty sand. Borings indicated fill soils extended to approximately 27 feet below existing grade. Virgin lean clay soils existed beneath the fill soils to boring termination depths of approximately 33 feet below existing grade.

Project details:

Subsurface Constructors

Owner: Residence Inn

Geotechnical Engineer: GESTRA Engineering

General Contractor: Core Construction

Services Provided: Ground improvement, stone columns

Year: 2015

Location: Wauwatosa, Wisconsin