One Client: CONFIDENTIAL

Two Sites: 1. Food-grade Industrial Plant
2. “Museum”

Five Techniques: Micropiles
Soil Nailing
Post-Tensioned Anchors
Jacked Resistance Piers
Hydraulically installed Soldier Piles with Wood Lagging
Food-Grade Industrial Plant
Atlanta, GA

- 23 foot deep pits indoors
- Undermine existing columns
- 16 foot headroom
- Tight Tolerances
- No internal bracing
- No interior borings available
Soil Nailing Basic Concept

- The installation of closely spaced steel bars ("nails") internally reinforces and strengthens the ground similar to an MSE wall as wall is constructed from top down.

- The reinforcement is passive thus requiring some minor deformation to engage the nails.

- Nails work in TENSION.
“Museum” Atlanta, Georgia

- Planned floor elevation below existing footings
- Fully undermine tall glass curtain wall
- A lot of utilities in the vicinity
- Very confined site
Installation of Soldier Piles
Work Safe
Go Home Safe

Thank You!