

# Manufacturing Plant Expansion

## South Carolina

Expansion of a large manufacturing plant in South Carolina is underway. WEC was retained to excavate and shore on two sides of the existing facility. Column footings immediately adjacent to the excavation were underpinned with drilled and grouted micropiles.

Excavation on one side of the building was to about 40 ft below the adjacent building (lower and right photos). Excavation and shoring on the other side of the building (upper photo) will be to about 20 ft.

The soil nailing method was used to support the excavation. Soil nailing consists of drilled and grouted bars with a shotcrete facing. Movement of the building has been monitored since the beginning of excavation and no movement has been measured.

