

Special Foundations

CSD has encountered a variety of conditions in our engineering of foundations. Although unique to the projects, these conditions are not uncommon to CSD. The following is a sampling of our foundation design projects:

Foundation Underpinning



Project Type: Special Foundations

Client: Jewish Home of the Aged

Location: Milwaukee, Wisconsin

Description: Caisson underpinning of adjacent apartment building to facilitate excavations for a new elderly housing project.

Earth Retention System



Project Type: Special Foundations

Client: Northwestern Mutual Insurance

Location: Milwaukee, Wisconsin

Description: Steel sheeting earth retention system with soil anchored tiebacks for excavations required for a new office building.

Gunite Foundation



Project Type: Special Foundations

Client: Diamond Towers

Location: Milwaukee, Wisconsin

Description: A combination gunite earth retention system and building foundation for a high-rise apartment building.

Bridge Beam Caster

Project Type: Special Foundations

Client: Spancrete Industries

Location: Green Bay, Wisconsin

Description: A 453 ft. x 7 ft. 8 in. foundation pit to accommodate the casting of prestressed, precast concrete bridge beams up to 185 ft. in length.

