

PROJECT DESCRIPTION

Shoring for Syracuse University Parking Garage



Location:
Syracuse, New York

Client:
Herbert F. Darling, Inc.

Client Contact:
Mr. Tom Swiatek
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Syracuse University Parking Garage Shoring Wall

MMCE prepared shoring design plans, specifications and calculations for the parking garage at Syracuse University. The shoring system consisted of a cantilevered soldier pile and lagging wall supporting between 14 and 19 feet of soil over rock.

MMCE worked closely with the project geotechnical engineer and the contractor to develop a cantilever design without tiebacks as initially proposed in the design plans. This provided much simpler construction methods and savings on the project schedule.

MMCE installed inclinometers at two locations along the wall and monitored lateral movements during construction. The data showed that the cantilevered wall supporting 14 feet of soil over rock moved about 0.05 inches laterally during construction.