

RTA CLEVELAND

RTA EAST 55TH STREET RAPID STATION

HELICAL PILES

PROJECT DESCRIPTION:

Project Date: June 2010

Project Name: RTA

Project Location: Cleveland, OH

Engineer of Record: Magnum-Geo Solutions

General Contractor: The Albert M Highley Co.

Owner: Greater Cleveland Regional
Transit Authority

Dwyer was contracted by Highley Co. to design and install 207 helical piles to support pedestrian concrete walk ways between trains, an elevator tower, and a new station on E 55th St. Piles ranged from 17KIPS-50KIPS allowable.

Piles were installed during third shift to minimize daily disturbance to the public as the rapid trains ran their normal routes and times.

Overhead electric lines that powered the train cars made clearance an issue. To overcome this, 6' sections were used to install pile approximately 50'-70' depths.



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