

HELICAL PILE SYSTEMS

Heavy Lateral Load Solution

info



An advertising sign company was constructing a large (48' x 20') sign in the Boston area.

The sign was to be mounted 76' above ground on a single pipe column. This resulted in an extremely large overturning force. Traditional piles were not feasible as soil conditions at the site were extremely weak.



PROJECT: Advertising Sign Foundation

CLIENT: Green Environment

LOCATION: Boston, MA

DATE: May 2003

Concrete spread footing was proposed, but due to the soil conditions and proximity, the excavation required large back sloping and would have been expensive.

Cyntech proposed a smaller, concrete grade beam supported on 28 large foundation anchors. Costs were significantly lower than either a pile foundation or concrete footings. Installation of the foundation was completed in 6 days, resulting in a cost effective, and efficient foundation solution.

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