



Case History

Problem:

Heartland Community College was constructing a new academic facility on soils with half engineered fill and virgin soil. The building located on the engineered fill began to settle, allowing 4 of the 8 columns to rotate both horizontally and vertically.

Solution:

Friction piles were installed to carry the weight of the new structure and to attain the required loads due to a high glacial till. Helitech® installed 24 Micropile/ Grouted tendons at each column to a depth of 80 feet.

Resolution:

The results were Outstanding. The project was completed in 4 days. The Micropiles were installed and the columns were cut and readjusted to sit square on the footing as designed. Working in a low overhead clearance of only 13', Helitech was able to use multiple mast adjustments in installing the Micropile bars saving hours of installation time, and providing the owner considerable cost savings.

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