



# Case History

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**Specializing in:  
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**Problem:**

An addition at a prominent Church in Indianapolis, Indiana, called for a basement and elevator to be installed. This installation undermined the existing footing. A 14' elevator pit was to be installed against the existing structure and the excavation was in very sandy soils.

**Solution:**

Retrofit Helical Micropiles were selected as the most cost effective and quickest resolution to underpin the existing structure. A soil nail wall was selected for temporary earth retention. This method was used because of the site access, vibration concerns and competitive cost compared to typical sheet piling and tieback system.

**Results:**

Due to the high content of sand in the soils and tight access, permeation grouting was used to decrease the sloughing of the soil until the soil screw wall could be installed. The entire project was completed in 6 working days.



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