



Case Studies

*We create healthy and safe living spaces through innovative environmental, foundation and waterproofing solutions.*



## **Auditorium Addition to Existing School**

### **Job Specifications:**

Original Design called for a Triple Flight Helical to carry the vertical load with a series of Tie-Backs installed back under the structure to retain the soil.

- Build a new addition next to an existing structure built slab on grade.
- Support current structure while 13' excavation takes place.
- Hold soil under current structure.
- Also add support for new basement wall of new structure.

### **Problem:**

Soil Borings indicate over 30ft of poorly compacted soil and silt.

### **Solution:**

Recommend substitution of true End Bearing Pier with extended shaft stabilizer to accommodate additional depth.



**Custom 16 ft. Guide Sleeve**



**24 Piers installed in under 3 days**



**Tie-Backs installed for Lateral Support**



**Foundation poured next to building**



## Construction of New Church Addition

### Job specifications:

Preconstruction pier capable of:  
Supporting new addition to Church  
150kps rating  
Full steel cross section  
Expedited installation time  
No concrete set up time

### Problem:

- Concrete piers became an issue on this project with poor fill and point loaded design
- Timing is an issue and the design required the 150kps rating.
- Concrete piers just wouldn't do

### Solution:

Able to fulfill all requirements of time restraints and loading using Pre-Construction Helical Piers.



**Quick and Clean  
Installation With No  
Spoil**



**Can Also Tie Footing Cage to Piers**



## Additional projects samples



**Problem:** Water main break causing washout

**Solution:** Manifold lift to minimize damage



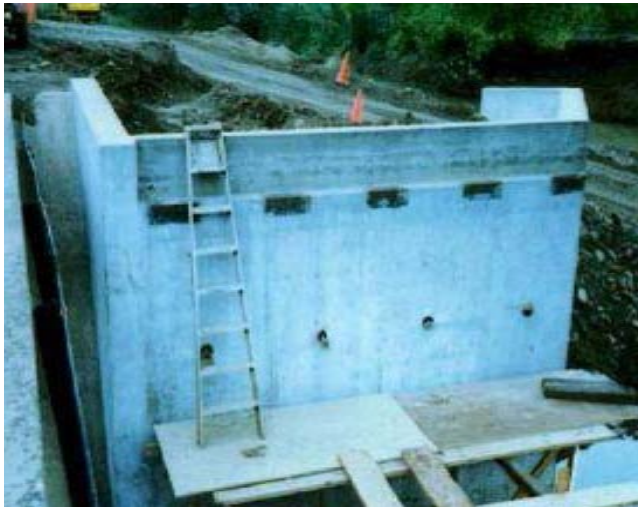
**Problem:** Interior load bearing wall has settled and required additional support for new story built above

**Solution:** Wall supported and lifted



**Problem:** Concrete floor had dished and very limited work access

**Solution:** Floor was removed and Helical Piers added



**Problem:** New bridge abutment with limited access

**Solution:** Helical anchors were specified to restrain the wall