



Engineer: Civil Associates, Inc. | Tom Langley (913) 652-6636

## PROJECT SUMMARY

### Raytown Fire Station

**Project Description:** The north wall of the Fire Station began to show signs of distress shortly after contaminated soils and underground fuel storage tanks were removed directly north of the foundation wall. The foundation settled vertically, approximately 4 inches and also rotated laterally causing severe masonry cracks and two roll up exit doors to no longer function.

**Design Details:** Power Lift installed 36 driven steel piles to raise and support the north wall. The hydraulically driven steel piles were specified over other repair methods due to the ease of installation, non-disruption to the station's operation, and the ability to seat them into the underlying rock formation 18 to 20 feet below grade.

