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PROJECT SUMMARY

Mid Continent Public Library, Gladstone, MO

Project Description: At the beginning of the summer of 2006, maintenance crews for Mid Continent Public Library started getting reports of minor cracking of the interior walls at the North Antioch Branch Library. An engineering firm was hired to monitor the movement and determine the proper repair. During the course of their investigation, the settlement magnified in a matter of weeks. The southeast corner and entire south wall settled approximately 1 1/2" causing cracks in the interior block and exterior brick.

Design Details: Power Lift installed 32 driven steel piles to raise and support the southeast corner and south wall to halt the ongoing settlement. Power Lift's steel pile concept was chosen for its strength





PROJECT SUMMARY — PEOPLES BANK OF NIXA (CONTINUED)

capacity and for its patented unified lift system. During the design phase of the project, Power Lift discovered that the footing extended 3' from the stem wall and was 16" thick. To minimize the damage of pile installation to the footing system, Power Lift saw cut the footing at each pile location to allow the bracket to be set directly under the stem wall. The piles for this project were driven 21'-23' to rock. Full elevation recovery was achieved.



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