



CASE HISTORY

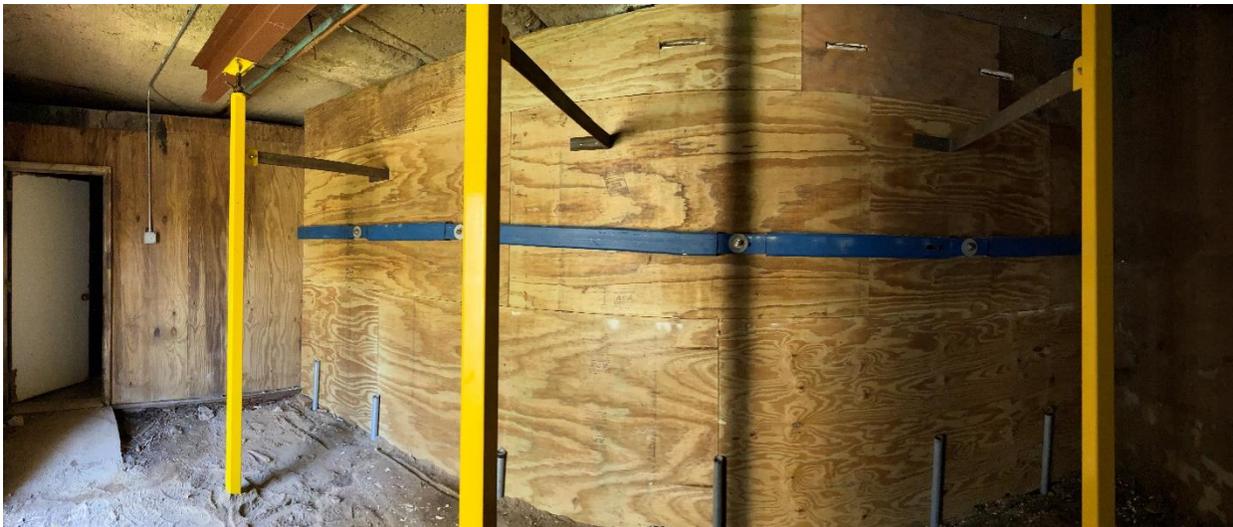
SAFEBASE™ STANDARD DUTY HELICAL PIERS

INTERIOR HELICAL TIEBACKS WITH WALER SYSTEM



SafeBasements of Minnesota was contacted regarding a wall that had collapsed. The poured concrete wall supported a concrete ceiling in part of the well room of the living complex. The ceiling was below grade and into the adjacent hillside. A general contractor installed temporary supports for the concrete ceiling and had plans to build a wood foundation wall to retain the soil. An anchoring system was needed to help support what would be the new foundation wall. A series of helical tiebacks were installed during construction of the new foundation wall to provide the additional lateral support.

An attachment was made to hang the drive head from an engine hoist to allow for installation of the helical tiebacks within the small room. There was only 10' of space between the walls for the installation. 5' SafeBase Standard Duty Helical leads with 8"-10" flights were used with 3' extensions. The tiebacks were installed approximately 20' behind the wall into the hill side.



Tieback adapters were installed onto the helical pier shafts which coupled the pier to threaded rod. The threaded rod was then bolted to the SafeBase Waler System, consisting of two post adapters and waler tubing cut to length. The pivotable hardware adapted the angle of the all thread to the waler system. A concrete slab was yet to be poured by others to retain the bottom portion of the wall. The project was completed in March of 2021.



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