



CASE HISTORY

SAFEBASE™ PUSH PIERS, WALL ANCHORS, CARBON FIBER STRAPS AND WATERPROOFING

RESIDENTIAL FOUNDATION REPAIR AND WATERPROOFING

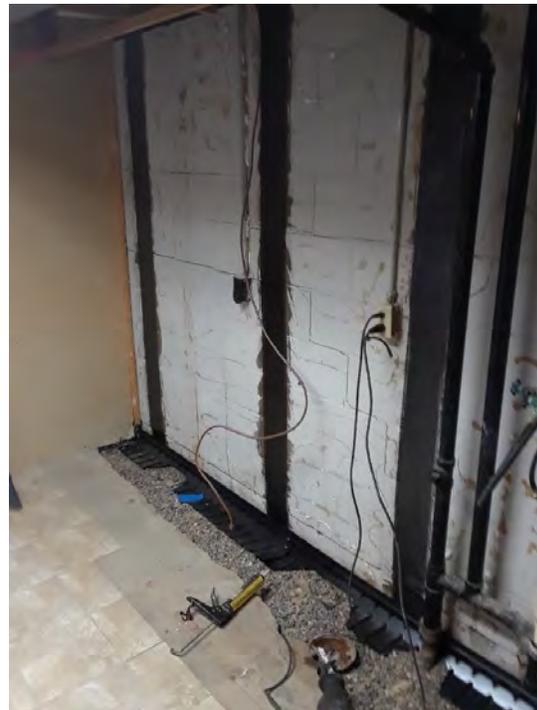


SafeBasements of Minnesota was contacted by a homeowner who was noticing cracking and shifting in their foundation. An evaluation was performed and it was determined that three of the basement walls were experiencing bowing and settlement. A plan was made to support the settling foundation with SafeBase push piers, while laterally supporting the foundation walls with a combination of SafeBase wall anchors and carbon fiber straps. The homeowner chose to only do a portion of the work at this time, approximately half of the affected area, so no lifting would be performed. The push piers were installed on the interior of the home, requiring removal of the existing drain tile system.



Wall anchors were installed on the west wall to prevent further bowing, and give the ability to straighten the wall. SafeBase push piers with SaberTooth bracket assemblies were used, allowing for a low profile installation, and the advantage of not having to shim the bracket in the waterproofing trench.

Carbon fiber straps were installed on the north wall due to obstructions in the yard preventing the installation of wall anchors. The drain tile system was then re-installed and SafeEdge Max was used as an edging. Note the carbon fiber tied in behind the edging and the areas that were notched in the SafeEdge Max at the pier locations. The all thread rods were cut off at the top of the cap prior to placing the edging and pouring back the concrete. The SafeEdge Max has the advantage of having contact directly between the slab, foundation wall and footing after the concrete is replaced. The walls that were repaired will remain intact for the life of the home.



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