



CASE HISTORY

SAFEBASE™ HELICAL PIERS

CORONADO HEIGHTS MONUMENT



Coronado Heights is one of the 8 Wonders of Kansas Geography and Lamunyon Dry Out and Foundation Repair were contracted to lift and level it's sinking monument. Lamunyon worked with SafeBasements on a plan to lift the monument back to level using SafeBase™ Helical Piers. The monument stands about 18' above grade and has four footings extending approximately 9' out from each side. A plan was created using four SafeBase™ Helical Piers with SaberTooth™ brackets near the center of the monument and one helical pier with SaberTooth™ bracket on each of the legs extending from the base for a total of 8 SafeBase™ Helical Piers.





The soil had to be removed around each of the legs to facilitate the installation of the piers. The helical piers were screwed into the ground surrounding the monument until reaching the specified torque needed for the project.

With the helical piers in place, the SaberTooth™ Brackets could be installed. The brackets support the footings and allow connection to hydraulic cylinders used for lifting. Once all of the brackets were in place the cylinders could be used to tip the monument back to a plumb, level position. Over 18 inches of lift was required at the end of one of the legs to bring the monument back to level. The project was completed in February of 2022.



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