

SINKING SIDEWALK RESTORATION



A year after a sidewalk installation at Brigham Young University in Provo, Utah, a critical area settled 5 ½ inches. Puddles of water from rain and irrigation interrupted foot traffic.

Instead of replacing the newly laid concrete, the contractor selected the **Uretek® Method**.



The **Uretek®** crew from **CST*** string lines across the settled area as a guide to the total lift. Then, **Uretek®** expanding polyurethane material is injected into each slab that needs to be lifted.

Surface instruments are used to detect slab surface movement to 1/1000th of an inch. Operator skill is needed to achieve the correct lift and alignment at each slab joint.

Slabs during lift process.

The final result is a five-inch lift, with all joints aligned, and with the proper slope required to allow water drainage as per engineering specifications.

After the lift, **Uretek®** material is injected under the slabs to fill voids and provide stabilization.

Prior to lift, the adjacent lawn area aligned with the sidewalk. After partial lift (inset) the sidewalk was up 3 inches. The contractor planned to add fill under the lawn area following completion.



***Concrete Stabilization Technologies** is the exclusive provider of the **Uretek®** patented technologies.

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