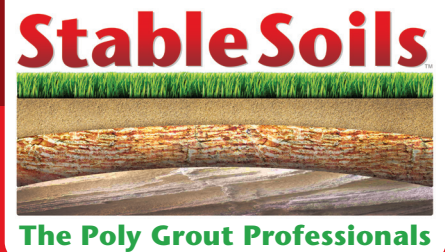


# Case Study

## ELEVATOR PIT: UPDATING TO NEW BUILDING CODES



When retro-fitting older buildings, most City and County building departments require that the remodel include all of the newer building codes! Many times, that includes the installation of an elevator. Such was the case here!

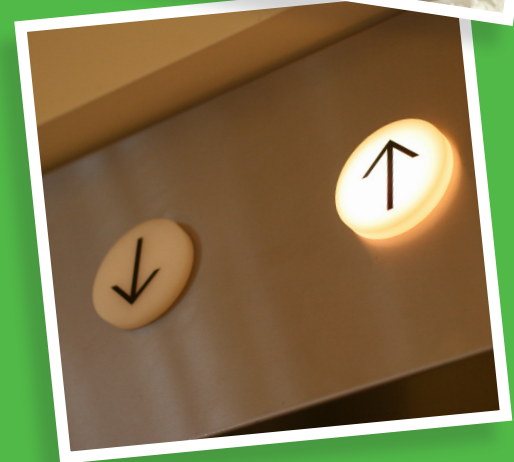
This multi-level, gated community clubhouse was required to install an elevator during these renovations. The only area that was suitable was an existing stairwell that was removed as it had the proper landings and was perfectly square and would require the least amount of correction to install the elevator shaft. Once the demolition of the stairway was complete, it occurred to the owners that an excavation pit would need to be dug to accommodate a slab structure that would contain the hydraulic equipment and push arm for the elevator car.

Because one edge of the excavation was located at a 2-story, load bearing wall with a spread foundation, shoring the supporting soils was paramount!

The size of the excavation and the proximity of the pit location made it impossible to install a standard excavation support box...that's when they turned to Stable Soils for help!

Collaboration with the building owner and 2 very capable structural engineers, we decided to lay an injected curtain of our Zero-X , 1-part, catalyzed polyurethane to create a load bearing curtain of soils. These treated, bound soils produce over 2000 p.s.i. strengths...very capable of supporting these loads with ease!

After injection, the area was left over the weekend to allow for full cure of the Zero-X! Excavation began on Monday...PERFECT SUCCESS!



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There are people out there that claim they can perform, but when you want the BEST, give us a call! NASA, Sikorsky Helicopter, U.S. Department of Energy (to name a few of many) know who to call when repairs are critical! Visit us on the web at [StableSoils.com](http://StableSoils.com)!

**Quick, easy, non-disruptive and ready to use in a couple of hours... not days!**