

Compaction Grouting

DEEP SOIL STABILIZATION

Strengthen Deep Soils

Compaction Grouting is a deep soil stabilization method that caps and seals the limestone's surface while filling voids, and pushing into the loose, weak soil. This enables the construction of a building on a property that otherwise would not be able to support a structure due to voids or anomalies deep within the soil.

Because the grout solution is of a cementitious liquid nature, it can completely fill voids in the bedrock, solidly compacting into joints, fissures, cracks, and other potentially dangerous areas.

Advantages

- Improved Bearing Capacity
- More Uniform Soils
- Minimal Landscape Disturbance
- Rapid Installation
- Stabilize Sinkholes
- Reduce Sinkhole Potential



Installation Procedure

The 3 inch injection pipes are typically installed in a 10 foot grid pattern throughout the treatment area to the specified depths by the geo engineer. The concrete grout mixture is then injected under high pressure from the deepest point up to approximately 10 feet from the ground surfaces to avoid any ground heave.

Structural movement and grout line pressures are monitored throughout the pumping process. Upon completion, all pipes are raised and removed and the holes are back filled.

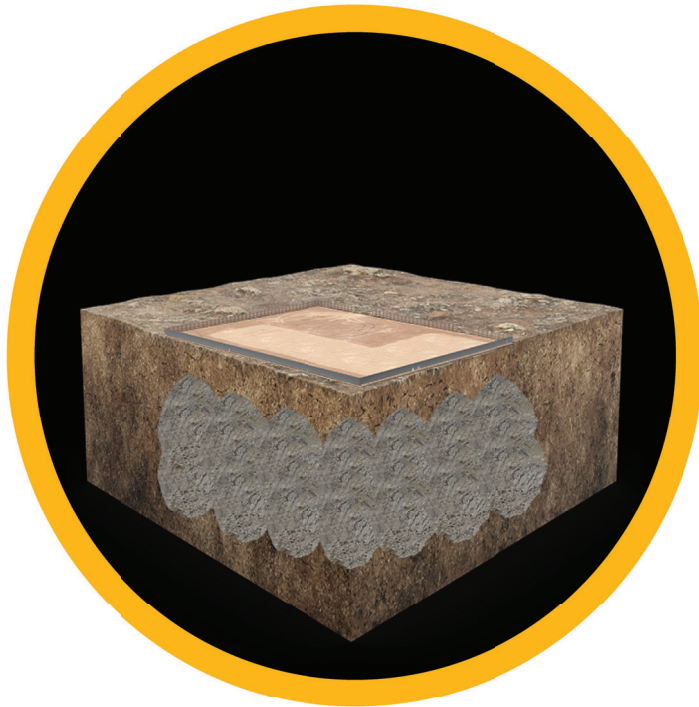
Compaction Grouting Applications



Home Foundations



Apartment Buildings



Pre-Construction



Sinkhole in Field