

Soil Doctor Soil Stabilizer with Chemical Injection of Expansive Soils

The Soil Doctor Soil Stabilizer is a proprietary chemical stabilization technique to treat expansive soils, which are usually clay. The method involves the injection of a potassium based chemical into the soil to supply cations to the clay and neutralize the clay's imbalance in electrical charge. The Soil Doctor method consists of drilling one and a half inch diameter holes in the soil to depths of five, seven, or more feet, usually on a 2 x 2 foot grid. The Soil Doctor chemical under a pressure of about 250psi is then injected through these holes for about two days. This injection time may vary depending on the job conditions. The maximum depth of injection is difficult to define because Soil Doctor, Inc. is still developing the method.

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