

FOUNDATION DOCTOR, INC.
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OSBORNE ENGINEERING

CAUSES, SOLUTIONS, AND TOP REPAIR TECHNIQUES FOR FOUNDATION REPAIR FRISCO, TX

Living in a safe and sustainable place is what everyone earns for. Investing in your lifestyle and livelihood is no doubt a wise choice. Over time, or due to construction faults, a foundation can develop various issues that need to be addressed to avoid health concerns and maintain a welcoming living space.

Your health, wealth, personality, and everything else is associated with the lifestyle you maintain in order to have a safe living. So in this scenario, your house is the most valuable foundation that cannot be overlooked.

Interested to know how? Keep reading the article to learn about the reasons, timing, and methods for [foundation repair in Frisco, TX](#).

HOW DEFECTS IN FOUNDATION CAN OCCUR?



Before reading about the **foundation repair in Frisco, TX**, let's discuss the causes that bring these requirements.

1. The clay soil of Frisco is often found to expand when it gets wet and shrink when dry. This movement of soil is a natural process that can't be stopped, resulting in foundation's issues.
2. Poor drainage is another crucial factor in this scenario. Especially during rainy seasons, when water gets rest at a place for a longer time, it can result in deformation of the walls and seepage problems.

3. Another reason could be the enlarging of tree roots. Usually the trees near homes can develop huge roots, which can interfere with the base of the foundation, thus damaging it and creating various home deformations.

WHEN DO YOU NEED FOUNDATION REPAIR SERVICES?

There are various signs that you can notice, which entail that there is a need for [foundation repair in Frisco, TX](#).

Here is the list for you:

- Sudden cracks in walls and ceilings
- Uneven Floors
- Doors and windows become sticky or impossible to open.
- Exterior Cracks
- Pest issues
- Water pooling

And more. If any of the signs above you notice in your home, then you might sign up for a service for a complete evaluation.

TOP FOUNDATION REPAIR TECHNIQUES

There are various types of techniques that are used by professionals to repair the defect in the foundation; let's check some of them.

• **PIERING AND UNDERPINNING**

Helical piers and push piers are used in this technique. They are penetrated under the ground until it reaches a level where the soil becomes stiff enough for load bearing. The foundation is thus lifted up and stabilized. Helical piers are best for lighter structures, whereas push piers can be used in heavy structures.

• **SLABJACKING (MUDJACKING)**

Due to some underlying reasons, the concrete slab of places such as basements or driveways gets sunken and concave. Slabjacking is a method of [foundation repair in Frisco, TX](#), where a mixture of elements, such as sand, cement, and other materials, are pushed beneath the slab that brings it back to its original shape. This is an effective and cost-saving method in comparison to a complete replacement.

• **STEEL BRACING OR WALL ANCHORS**

This technique is used when there is bowing or craking of the walls. Steel beams or plates are anchored into the soil outside the foundation that pulls them back into place. This braces helps to redistribute the weight and pressure exerted on the wall, which prevents further movement and can help straighten walls that have already begun to bow.

• **SOIL STABILIZING**

The load-bearing capacity of the soil surrounding the foundation plays a crucial role in its integrity. There are various methods used for soil stabilization, and the main motive is to increase the strength of that soil. Usually, with chemical and mechanical methods, this stiffness is achieved. Some of the common soil stabilization methods used in foundation repair in Frisco, TX, are:

- Mechanical Stabilization
- Chemical Stabilization
- Grouting
- Soil Reinforcement
- Dewatering

• **GRADING AND DRAINAGE SOLUTION**

Particularly in the foundations where defects are caused due to surface water pooling, adjustments are made around the building to control the water flow. This includes installing drainage systems or managing gutter systems to direct water away from the foundation effectively.

• **CRAWL SPACE REPAIR**

A crawl space is typically a small, unfinished space that allows access to plumbing, wiring, and HVAC systems. Proper maintenance and repair of this area are crucial to preventing moisture problems, structural damage, and health issues related to mold and air quality. Typically, it includes the addition of insulated or plastic sheets that keep the place safe.

Common methods utilized by **foundation repair Frisco, TX**, involve:

- Vapor Barriers
- Crawl Space Encapsulation
- Insulation
- Pest Control

• **FOUNDATION REPLACEMENT**

When there are severe defects on the foundation and the cost of making repairs can come closer to replacing the cost, it is better to get a new foundation. This might involve significant excavation and construction work.

CONCLUSION

If you are a construction worker who knows how to address these problems, you might be able to fix all the defects yourself. However, this usually isn't the case because time and effort can lead to incomplete results.

That's why there are construction workers and companies like Foundation Doctor.

This company is highlighted in this article because not every construction worker can handle foundation repair. While they may be able to build houses, fixing existing structures requires specialized skills. So, if you need help with [foundation repair in Frisco, TX](#), you can contact Foundation Doctor, Inc. through their [website](#).

CONTACT US

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CONTENT COURTESY

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Thank
you!