



TOP 10 FAQs ON HDD

WHAT IS HDD?

Horizontal directional boring, also known as Horizontal Directional Drilling (HDD for short) is a method which enables the installation of underground pipes, cables, conduits, fiber optics and more, by creating the necessary path to insert the needed system.



WHAT IS A HORIZONTAL DIRECTIONAL DRILL?

A horizontal directional drill is a steerable trenchless machine used for installing underground pipe, conduit, or cables in a shallow arc along a bore path by using a drilling rig, with minimal impact on the surrounding area.



HOW FAR CAN EMPIRE HDD DRILL?

Maximum lengths and hole diameters are determined by project specific geotechnical conditions. Our machines can accomplish 500' per day in good soil conditions and up to a 36" diameter tunnel.

WHAT IS HORIZONTAL DRILLING?

Horizontal drilling is the process of drilling straight down into the earth, usually for locating water, oil, natural gas, information or other subsurface objectives. However, drilling at an angle other than vertical can obtain information, hit targets, and stimulate reservoirs in ways that cannot be achieved with a vertical well; also known as horizontal directional drilling. In such cases, the expertise to accurately tunnel in directions and angles that depart from the vertical is a valuable ability performed by Empire HDD.



HOW FAR CAN EMPIRE HDD DRILL?

The size of pipe required depends on whether we're laying cable, fiber optics or other lines. We drill 150% the size of the pipe needed, up to 36" diameter. For example, if (4) 2" conduits are needed, we'll drill a 12" tunnel. Sizing of the pipe used also determines the rig that will be used for the job.

DO YOU USE ANY TYPE OF DRILLING FLUID?

Each drilling fluid program is job specific, designed by a Mud Engineer. Most systems consist of a bentonite base with a variety of polymers and additives added to the base system depending on the geotechnical conditions and the desired outcome.



WHAT SIZE DRILL RIG IS NEEDED FOR A TYPICAL DRILLING JOB?

Empire HDD determines the best suited drilling rigs for the job by assessing soil conditions, pipe size and available surface space.

HOW DO YOU MANAGE GROUNDWATER?

Groundwater can be managed by using our Mud Vacuum.



HOW MUCH IS DIRECTIONAL BORING?

Like anything else, the exact cost of directional boring (such as drilling cost per foot) is job specific with many variables in play, including and most important is the material we are required to drill through. You're encouraged to contact Empire HDD below.

HOW CAN I CONTACT EMPIRE HDD?

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