Precast Concrete Underground Utility Structures

Resilient, Stable and Dependable

Perfect for communications, electrical, gas or steam systems, precast concrete underground utility structures protect the vital connections and controls for utility distribution. Precast concrete is nontoxic and environmentally safe. Because of its high specific gravity, precast resists buoyancy, making it an ideal material for use in all underground applications. Produced in a quality-controlled plant, precast underground utility structures are customizable and can be made to precise specifications. These structures provide excellent durability during backfill and use. Quick to install and watertight, these structures won't let you down.

precast makes it possible™

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Strength

Precast concrete gradually strengthens over time. Other products, such as fiberglass and steel, can deteriorate and lose strength, especially in the presence of ground water.

Quality

Because precast concrete products are made in a controlled environment, they exhibit high quality and uniformity.

Ease of Installation

Precast concrete is desirable due to the relative ease of installation. Precast concrete underground utility structures can be easily installed and immediately backfilled — there is no need to wait for concrete or mortar to cure. The structural capacity of other materials is also often dependent on the design and quality of backfill material.

Noncombustible

Precast concrete utility structures are noncombustible and can withstand high temperatures.

Resistant

With a specific gravity of 2.40, precast concrete structures resist buoyant forces better than other materials. Additional labor-intensive and timeconsuming on-site preparation is necessary for anchoring structures made of more buoyant materials.

Customizable

Precast concrete is the material of choice for underground utility structures. Precast is modular and can fit any design situation. It is produced in a quality controlled environment and can be installed immediately upon arrival at the job site.

Reduced Weather Dependency

Precast concrete increases job efficiency because weather will not delay production. In addition, weather conditions at the job site will not significantly affect the schedule. Conversely, forming and placing cast-in-place concrete can result in signigicant delays due to poor weather.

Reduced Construction Time

Precast concrete offers rapid installation compared to cast-in-place structures. This reduces excavation costs, lowers jobsite labor and eliminates many of the safety concerns of open excavation and working below grade with traditional concrete framing systems.

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NPCA
Precast ... The Concrete Solution