



Company Newsletter

Pipe Bursting and Manhole Rehabilitation

We are proud to announce that Triangle Contracting, LLC has increased its capability portfolio to include pipe bursting and manhole rehabilitation.

Pipe Bursting

What's new?

Pipe bursting is a new method of pipe replacement Triangle Contracting is adding to its portfolio to serve our clients in a more efficient, cost effective way. Pipe bursting is an efficient, trenchless method of replacing buried pipelines without the need for a traditional construction trench. This technology of pipe bursting is employed to increase the size of an existing, failed sewer line.

Manhole Rehabilitation

What's new?

Triangle Contracting has purchased a new Madewell Products manhole rehabilitation trailer. The trailer is loaded with all the equipment and materials to rehabilitate existing sewer manholes. Manhole rehabilitation is a process that protects and reinforces existing sewage manholes rather than replacing them; it helps save our clients time and money. Manhole rehabilitation intends to restore structural integrity, address the corrosion, exfiltration, or infiltration, and prevent and protect the manhole from future breakdown.

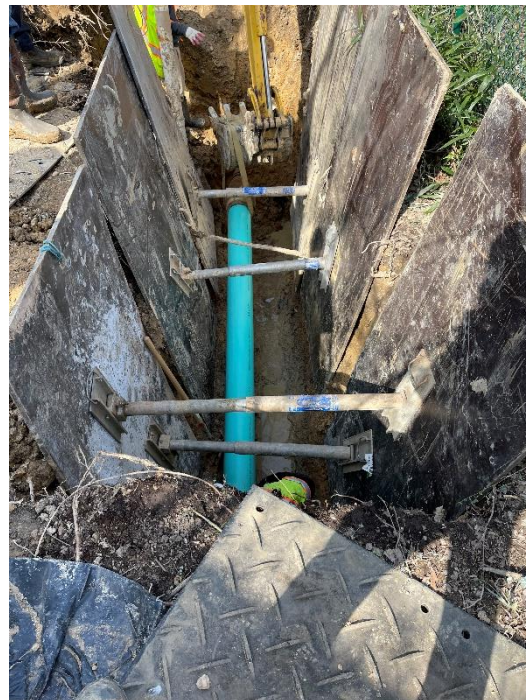
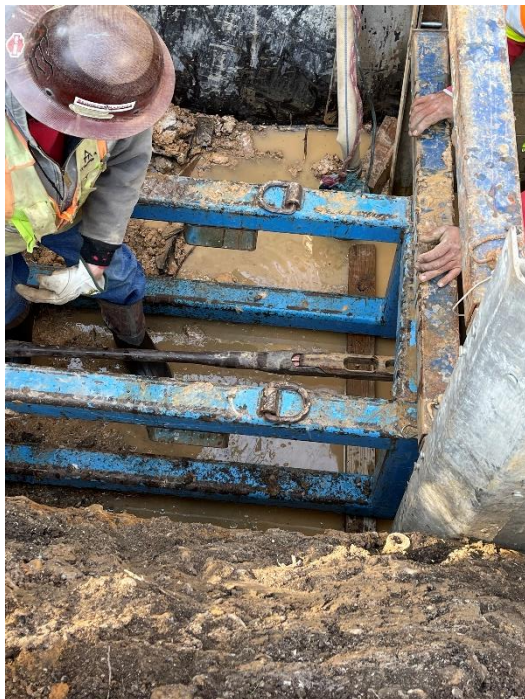
Pipe Bursting

What are the benefits of this technique?

This eliminates the need for excavation of a trench for the entire existing run of pipe that is scheduled to be replaced, making this method more efficient than traditional pipe replacement techniques. Overall, this technique allows for fewer impacts to existing infrastructure, trees, and adjacent structural features, providing our valued customers with a high productivity, low stress pipe replacement experience.

How does it work?

It is employed through the excavation of launching and receiving pits as well as each of the sewer house connections along the run, a pipe of the same or larger diameter pipe is pulled through the existing line. More specifically, a hydraulic power pack powers a pulling machine that pulls rods that are connected to the expander head which is connected to the new pipe and bursts the existing pipe and replaces the void with the new pipe. Once the pipe is pulled thru the house connections are tied into the new line and service is restored.



Manhole Rehabilitation

What are the benefits of this technique?

The rehabilitation is done to increase the life of the structure as well as to stop ground water infiltration into the sewer systems that increases unnecessary treatment at the water treatment facility. It is a technique used to protect sewage manholes rather than replace them.

How does it work?

Cementitious grout is applied to the interior walls of manhole to create a new durable liner for the existing structure. Prior to spraying the liner in any leaks are stopped using polyurethanes and the structures are cleaned. Often the existing frame and covers are replaced as well.

