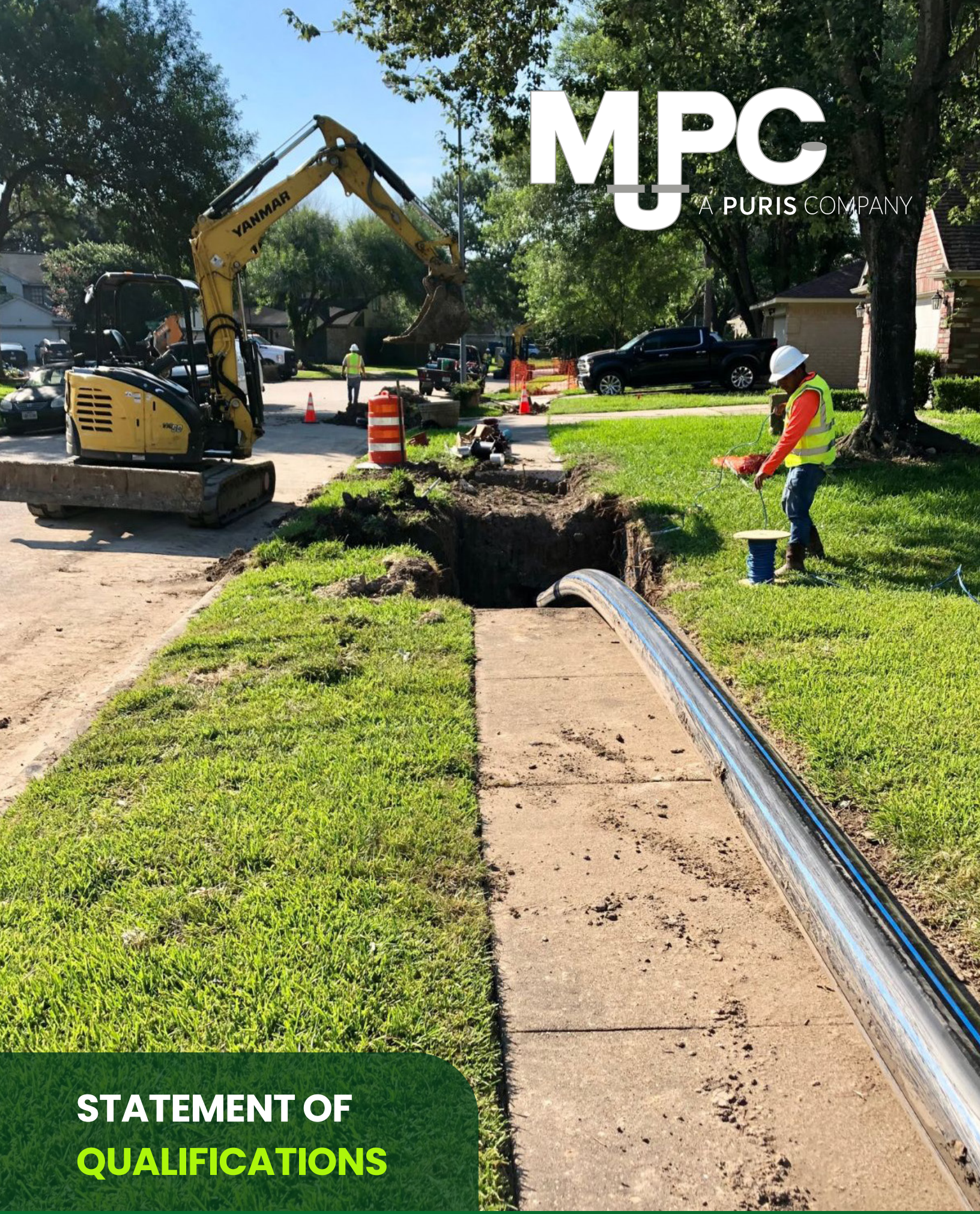
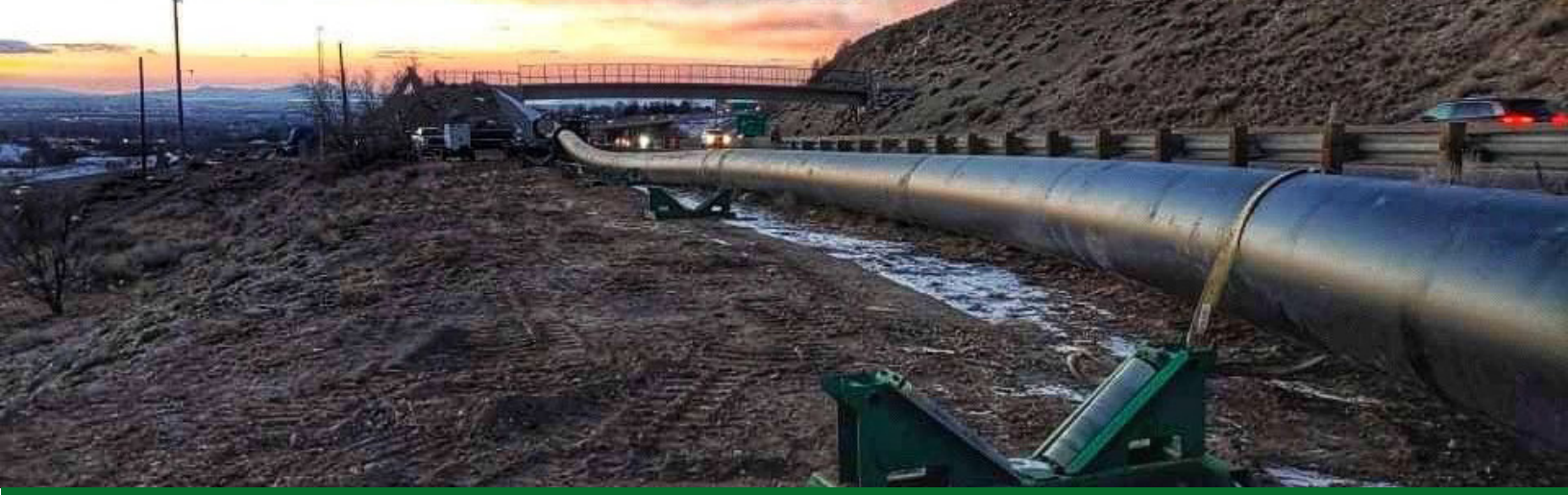


MPC
A PURIS COMPANY

STATEMENT OF QUALIFICATIONS



MPC
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VALUE

Murphy Pipeline's trenchless rehabilitation offerings **minimize disruption** to the public by reducing noise, traffic disturbances and road repair - and can be done within a **far shorter time frame, at less cost** than dig and replace.

- Lower cost
- Lowest risk
- Less disruption - no closures
- Service life of 100+ years
- Proven technologies
- Faster installation
- Minimal digging

AWARDS

2022 WEFTEC Top Project Award
2021 Trenchless Project of the Year Honorable Mention
2021 ASCE Florida Project of the Year
2021 PPI Municipal Project of the Year
2019 Trenchless Project of the Year Honorable Mention
2018 Trenchless Project of the Year Honorable Mention
2017 PE Alliance Leadership Award
2015 Trenchless Project of the Year
2014 Trenchless Project of the Year
2014 WEFTEC Top Project Award

COMPANY **OVERVIEW**

Murphy Pipeline Contractors, a PURIS Company, was established to bring the trenchless technologies of Europe to the United States. Our main focus is on pre-chlorinated pipe bursting, sliplining, and CompressionFit™ HDPE pipe lining for water and force main replacement from 2" through 78".

At Murphy Pipelines we help cities add value to their water and sewer pipeline replacement work using methods that are less intrusive to the community during construction compared to dig and replace installations. Our technologies expedite project schedules, provide new infrastructure with an ultra-long design life, and save tax dollars by reducing overall project costs.

With over 100 years of combined team member experience we can confidently manage large pipeline projects in high profile and environmentally sensitive areas. We have worked with municipalities, engineering firms, and contractors throughout North America to renew valuable underground infrastructure.

OUR **CAPABILITIES**

- **Static Pipe Bursting:** 2-inch through 100-inch or more diameter water, gravity sewer, force main, gas
- **Pre-Chlorinated Pipe Bursting:** 2-inch through 16-inch diameter water
- **CompressionFit™ HDPE Pipe Lining:** 4-inch through 78-inch diameter water, sewer, mining, gas, hydrocarbons
- **Sliplining:** 2-inch through 100-inch or more diameter water & sewer
- **Directional Drill:** 1/2-inch to 42-inch water and sewer
- **Design Build**

Pre-Chlorinated and Static Pipe Bursting

Product **Highlights**

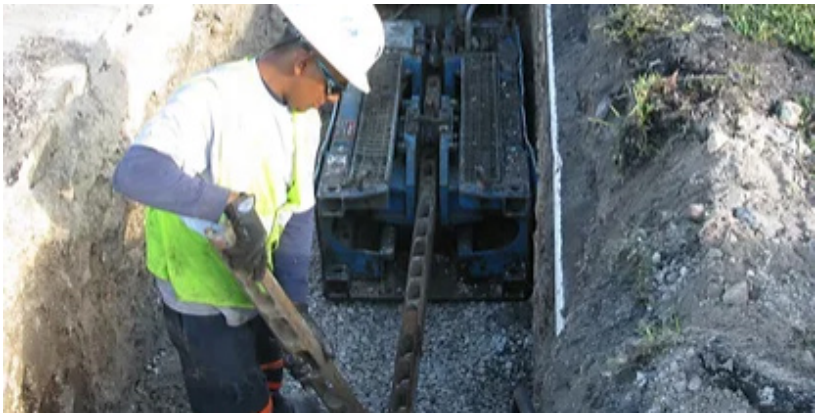
- Eliminates need for temporary water services
- Disinfected and tested above ground
- Pipe installation completed in a single day
- 2-inch through 36-inch diameter

Pre-chlorination eliminates the need for temporary water services. The high-density polyethylene (HDPE) pipe is bacteriologically disinfected and pressure tested above grade prior to installation, allowing it to be placed into service immediately after installation.

The method utilizes HDPE pipe and entails the pre-assembly and testing of approximately 300 to 600 foot lengths of pipe above grade at a nearby staging location. This work is completed in advance of pipe bursting operations. Once the pipe string is proven to be sound by the testing and disinfection procedures, bursting operations can begin. In the area of water main being replaced, a series of small excavations are made and the new pipe is pulled into place by pipe bursting the existing main. A post-chlorination and flushing of the main is then performed and the new line is connected into the distribution system.

Ultimately, all services are connected into the new main and the surface area is backfilled to preconstruction grade. The entire process is completed within a single day, 6 to 8 hours, thereby minimizing the disruption to area residents.

Residents connected to the main being replaced that day only experience a 6- to 8-hour interruption in water service before being reconnected. Crews typically begin preparations around 7 a.m. and by noon the new pre-chlorinated HDPE is in place. Between 3 p.m. and 4 p.m., residents are reconnected to the water system. At the end of each day, pits are backfilled to grade. By the end of each week, a restoration crew completes final grass and road restoration.



Benefits for Our **Customers**

- Existing utility path followed (requires limited design)
- 92% less excavation vs. open cut
- Reduction in community impact
- Limited noise and dust
- No traffic disruption
- Residents drive in/out of driveways
- Water service maintained with temporary by-pass
- Expedited project schedules
- Increase pipe diameter up to two times larger