



Unmatched Industry Experience

Michels continues its tradition of being an innovative leader in trenchless technologies by expanding our capabilities and experience to utilize the Direct Pipe® method. Direct Pipe has become a proven method for successfully installing steel product pipes with a one-pass system by combining a thruster with a steerable microtunneling machine.

- The guidance system allows for precise installation of pipe along predetermined designed paths similar to HDD installations.
- The Pipe Thruster is designed to propel the pipe with up to 750 metric tons of force while maintaining the integrity of the pipe and pipe coating. Installations up to 1,371 meters have been completed using the Direct Pipe system.
- Excavated material is separated from the drilling fluid and recycled leaving minimal disposal volumes compared to other trenchless methods.

- Complements Michels established horizontal directional drilling (HDD), tunnel and pipe installation work in the U.S. and Canada by providing another option for installations ranging in diameter from 30 inches to 60 inches
- Combines advantages of HDD and microtunneling to excavate borehole and install prefabricated pipe in one step under rivers, roads, environmentally sensitive areas and congested infrastructure
- Effective in a broad range of ground conditions
- Ideal for locations with smaller footprints where access is limited to construction and installation of prefabricated pipe from one side

