BTC GENERAL CONTRACTORS HENDERSON, COLORADO

BT BULLETIN

February 2024

PROJECT SPOTLIGHT

BTRENCHLESS CELEBRATES RECORD MICROTUNNEL DRIVE

Exciting news from the trenches! BTrenchless has just accomplished our most ambitious project to date! We proudly announce the completion of a groundbreaking microtunnel drive spanning an impressive 1,284 linear feet as part of the First Creek Interceptor Project for the City of Aurora. This venture marks a significant, longest-drive milestone in our commitment to cutting-edge trenchless technology.



The First Creek Interceptor Project involves the installation of nearly four miles of a 42-inch FRMP interceptor.



THE CHALLENGE?

The interceptor's alignment navigated three arterial roadways and a golf course, prompting the use of trenchless technology to minimize surface impact for the benefit of the community and local business operations.



The BTrenchless crew completed the casing installation just before the holidays, showcasing their remarkable expertise and determination to surpass our microtunneling record.



BT'S SOLUTION

The crossings would range from 233 to 1,284 linear feet of 54 and 60-inch diameters. Upon further investigation, the soil conditions and presence of groundwater indicated that all four locations were suited for microtunnel and pipe ram.

Economical solutions were proposed by BTrenchless, utilizing guided pipe ram for shorter runs and the Microtunnel Boring Machine (MTBM) for the extensive 1,284 LF run.

The specific length and accuracy requirements of the project drove this choice.

BTrenchless elevated the approach, utilizing intermediate jacking stations strategically placed every 400 feet.

The Akkerman AZ-100 Total Guidance system was implemented for precise line and grade maintenance.