As the final delivery system component of the WISE Project, the 24-30-inch pipeline conveys renewable water supplies to Northwest Douglas County and reduces reliance on currently declining non-renewable groundwater supplies.

Beyond being an asset for conveying renewable water, the project increases firefighting capabilities in the region.

The 12-mile project alignment crossed challenging landscapes including the communities of Castle Rock and Sedalia along with the rugged terrain of unincorporated Douglas County between State Highway 85 and Roxborough Park.

Successful project coordination involved Douglas County, the Town of Castle Rock, the U.S. Army Corps of Engineers, the U.S. Fish & Wildlife Service, the Colorado Department of Transportation, and numerous landowners.

Using a design-build delivery approach allowed the project to be completed aggressively and cost-effectively in multiple phases with design and construction occurring simultaneously.

A variety of expanding technologies were implemented including the use of a McLaughlin® boring machine with an On-Target Steering system that precisely installed the project’s eight tunnels.

Through its participation in the Water Infrastructure and Supply Efficiency (WISE) Project, the District can now supply Northwest Douglas County with renewable water.

Flow is conveyed by gravity and facilitates environmental stewardship as energy consumption is a fraction of what would be required by pumped conveyance.

Design team members were able to successfully plan, design, permit, and help construct the project in under three years.