

# COLORADO SPRINGS UTILITIES SOUTHERN DELIVERY SYSTEM S3 PUEBLO, COLORADO



## Project Description

Segment 3 of the Southern Delivery System consisted of approximately 7.6 miles (40,058 LF) of the 66" raw water pipeline. The southerly 5.3 miles of the alignment was through an environmentally sensitive working cattle ranch and the northerly 2.3 miles was through a ranchette community. The majority of the project was installed in sandy material, but there was also 7,350 cy of rock that had to be excavated for installation of the pipeline. The depth of excavation ranged from approximately 14' to 45'. Pipe wall thickness was .282, .322, .363, .404 and .455". The pipeline was tested at 215 psi and has a normal working pressure of 60 psi. In order aid in the installation of the pipeline we subcut and replaced 56,000 cy of earth using a scraper and dozer operation. Reynolds (formerly operating as Layne Heavy Civil, Inc.) received a 2014 Top Projects Award by Water and Wastes Digest for our successful involvement in the construction of the Southern Delivery System.

## At a Glance

**Contract Amount:**  
\$22.1M

**Notice to Proceed:**  
November 14, 2011

**Completion Date:**  
September 27, 2012

**Owner:**  
Colorado Springs Utilities

**Engineer:**  
CH2M Hill

