



Project Spotlights: Pipeline 4 Relining

LOCATION

Lake Murray, SC

COMPLETION DATE

2017

CATEGORY

Annular Grouting



ABOUT THE PROJECT

Existing waterline prestressed concrete cylinder pipes (PCCP) required reinforcement.

THE SOLUTION

The waterline is set to be reinforced with new steel lining, and the steel liner is then placed in segments and welded together inside of the pipe, leaving a small annular space behind. Intimate contact between the host pipe and carrier pipe is required. Cellular concrete is being used to fill the annular space that varies from 1.5" to 3", and grouting takes place from inside the pipeline through grout ports prefabricated in the steel liner.