San Diego County Water Authority

- Wholesale water agency created by state Legislature in 1944
- Serves 3.3 million people and region’s $220 billion economy
- 24 member agencies
- Provides 80-90% of water used in San Diego County
- Builds, owns, operates and maintains large-scale regional water infrastructure
Acre-Foot of Water (AF)

- 325,851 gallons (43,560 cubic feet)
- Enough to serve the annual needs of two single-family households of four people
BIG Pipes

- 96 inch diameter
- Originally constructed in 1981
Pipeline 5 Relining

- Rehabilitating approx. 2.3 miles of pipe
- 9 Access Portals
  - Deleted Portal 1 through Value Engineering
- Coordination with State, County, and Member Agencies
Pipeline 5 Relining
Project Alignment

- Portals 9 – 10
Pipeline 5 Relining Project, Staging Area Map

Staging Area

Legend
- Staging Area
- Water Authority Easement
- Water Authority Pipelines
Dirt is excavated to create an access portal or work area.
Relining Process

Shoring walls are put in place to protect the activities.
Two 20-foot sections of old concrete pipe are removed.
Relining Process

New steel liners are inserted into the existing pipe using a specialized pipe cart.
Relining Process

Liners are installed for the entire pipe section.
Once installed, the joints of the liner pipe are welded together.
Relining Process

Reinforcing steel and concrete are placed around the new steel pipe.
Relining Process
Relining Process

The portal is backfilled.
Project Information

9 signs along project route

Contractor will have project information cards to distribute to those with questions
Schedule

- Advertise – May 2018
- Board Award – July 2018
- Contractor Mobilization – September 2018
- Begin Liner Installation – November 2018
- Completion of Work – Summer 2019
Contact Us!

- Phone: (877) 682-9283, ext. 7009
- Email: CIPinfo@sdcwa.org

To learn more go to: www.sdcwa.org/Pipeline-5-Relining-Project-Fallbrook