Pipeline Repair and Warranty
The San Diego County Water Authority’s Pipeline Relining Project is a 30-year program that will rehabilitate and extend the life of nearly 82 miles of aging water delivery pipelines throughout San Diego County. The relining process involves inserting steel cylinders, known as liners, into an existing pipeline, reinforcing the pipeline from within. The process is more cost-effective and less intrusive than replacing the pipelines and helps ensure a safe and reliable water supply for our region’s future. To date, the Water Authority has relined more than 27 miles of pipelines.

Project Overview
A relining priority list identifies pipeline segments based on the condition of the pipelines. The next two segments on the priority list comprise segments of Pipelines 3 and 4 in the communities of Mira Mesa and Scripps Ranch, which span about 3 miles. This relining project begins on Miramar Hill (the hilltop bordering Mira Mesa and Rancho Penasquitos), continues south for approximately 1.5 miles, and continues to

Benefits of Relining
• Repairs existing pipelines that show signs of severe deterioration and joint damage.
• Reduces impacts to nearby residents by conducting work underground, rather than trenching.
• Is quicker and more cost-effective than removing and replacing the existing lines.
• Provides new steel liners with an extended life, increasing the reliability of the water supply in San Diego County.

Scripps Lake Drive in Scripps Ranch, terminating near the Scripps Ranch library.
Similar work was conducted in 2004 and 2005 when the Water Authority relined an adjacent section of pipeline in Mira Mesa and Scripps Ranch. While outreach activities were ongoing for that project, this project was introduced to the community. Since then, Water Authority staff has worked with the community to keep them updated about the project.

Accessing the Pipeline
Construction crews conduct most of the work underground by establishing and entering the pipeline at different sites, called portals, along the route. At each portal, crews must remove 40 feet of existing pipe to gain access to the interior of the pipeline and install the relining materials. Temporary, large structures called sound walls surround each portal. The sound walls ease noise impacts to residents, adhere to environmental regulations, and help secure the sites.

The Water Authority is a public agency serving the San Diego region as a wholesale supplier of water. The Water Authority works through its 24 member agencies to provide a safe, reliable water supply to support the region’s $186 billion economy and the quality of life of 3.2 million residents.
Miramar Hill to Scripps Ranch Pipeline Relining Project

These portals remain open while work is in progress. Pipeline relining occurs in several phases and construction work at the various portals may not occur actively at the same time. Work shifts from one portal to another may vary depending on the construction plan and contractor resources. The Water Authority will notify the community of schedule changes and activities as they occur.

Community Commitment
The Water Authority is committed to working with the surrounding communities during construction projects. The project team continuously reaches neighbors through community presentations, door-hanger notices, one-on-one meetings, website updates, email, and mailed notices.

Water Authority staff will also work closely with the nearby schools, residents, and various stakeholders to implement extra precautionary measures since the work traverses a highly populated residential community.

**Project Schedule**
- Periodic site survey: 2010-2011
- Anticipated construction dates: late 2011-2012

For more information please visit www.sdcwa.org, email CIPinfo@sdcwa.org, or call the project information line at (877) 682-9283, Ext. 7005. Your inquiry will be returned within one business day.

**Project Vicinity Map**

![Project Vicinity Map](image)

A machine operator guides a steel liner into position within the existing concrete pipeline.

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