



MOOSA CREST TRANSMISSION PIPELINE REPLACEMENT PROJECT

The Moosa Crest pipeline is a 16-inch water transmission pipeline that was originally installed in 1960 and runs north to south perpendicular to Camino Del Rey, crossing Moosa Creek above the water line. The previous rains in January undermined one to the supports which subsequently failed and became submerged under Moosa Creek as seen in the pictures below. The pipeline was not damaged in this event but while District staff was preparing to replace the support, the massive storm that occurred on Monday, February 27, 2017, significantly increased in flow in Moosa Creek causing tree debris to severely damage the pipe.

As many area residents know, the flows in Moosa Creek changed substantially when Interstate 15 was constructed in 1981. The large surface area of the freeway increases both the quantity and speed of the water coming into Moosa Creek and has substantially altered flows in the area.



The District's supervisory control and data acquisition (SCADA) system registered an increase in flow of about 5000 gallons per minute just after 3:00 A.M. Fortunately, the increase was detected by an alert District staff member who happened to be making other adjustments to our system at that time (yes, this is truly a 24/7/365 operation). It was determined that the Moosa Crest Line was the cause of the spike and crews were able to isolate the pipeline rapidly, minimizing water loss.

This pipeline is a vital transmission main to the District's Morro and South Zone. It is used to transport water from the San Diego County Water Authority aqueduct to serve customers along Camino Del Rey all the way out to Morro Hills.

During the February 28, 2017 Board meeting, the Board of Directors declared an emergency and approved emergency funding of a replacement project. The pipeline will be replaced, but will be moved to a higher elevation and use a small truss bridge to span the creek so that no piers are required for support. This will prevent future damage to the pipeline from the high flows in Moosa Creek.

**RAINBOW
MUNICIPAL
WATER
DISTRICT**

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FEATURE SPOTLIGHT

SAN DIEGO COUNTY PLANT FAIR

This is the sixth year that San Diego County Water Authority (SDCWA) and its member agencies have partnered with Home Depot to offer the local community discounts on water-efficient plants. The annual San Diego County Garden Friendly Plant Fairs also offers consumers an opportunity to speak with industry experts regarding water-efficient irrigation and low-water-use plants suitable for this region.

Consumers are invited to take advantage of the great deals and expert knowledge available at these plant fairs being held at various locations around or near North County during the months of March and April. These local plant fairs will feature reduced prices on a variety of water-wise plants such as rosemary, lavender, bougainvillea and geraniums. They also provide many resources and vital information to support us in our commitment to "Living Water Smart".

The District is committed to water use efficiency and understands that this is not always an easy task. One of the ways we can provide guidance and support is to offer opportunities such as these to talk to not only some of the community's landscape experts but also to connect with local water agency staff who can provide information about our local conservation programs currently available and many other valuable services.

If you would like to learn more about these local events, please go to <http://www.sdcwa.org/water-and-money-saving-plant-fairs-return-spring> and find the Garden Friendly Plants Fair dates and locations.

NEWSLETTER AVAILABLE ON-LINE AND VIA EMAIL

The District's monthly newsletter is published and distributed through a number of customary avenues. It is posted on our website, mailed out with monthly bills or delivered to those customers who have requested it be sent via email.

Many of our customers have made the choice to go paperless and are currently not receiving the newsletter. Others are located within a billing cycle that occurs at the end of the month and are not receiving theirs until later in the month.

If you prefer to gain access to the District's informative newsletter sooner and more conveniently we suggest you go to our website and download the PDF or sign up to receive an emailed copy.

Please go to our website at <http://www.rainbowmwd.com/newsletters> to find the PDF version or sign up to receive yours via email.