



Emergency Storage Project Project Update June 2009

The following project update is being provided to keep the Lakeside Community Planning Group informed of the progress of several construction projects that are part of the Emergency Storage Project.

San Vicente Dam Raise Project

The first construction phase of the San Vicente Dam Raise project is scheduled to begin in early July. The contractor for this first phase of work will be Barnard Construction Company, Inc., whose contract was awarded at the Water Authority's May 28 board meeting.

For the next year, construction crews will prepare the existing 220-foot-tall San Vicente Dam to be raised 117 feet. The contractor will excavate the foundation for the raised dam, level out the foundation with concrete, and prepare the face of the existing dam to create a good bonding surface for the new concrete. This work is expected to be completed in summer 2010. The next phase of construction, installing the concrete to raise the height of the dam, is scheduled begin in spring 2010, and the entire project is expected to be complete by late 2012.

The San Vicente Dam Raise contractor will use the same trucking route that the other contractors on the San Vicente project site have been using: Highway 67 to Vigilante Road to Moreno Avenue. Truckers will not use lower Moreno Avenue through the community, except in special circumstances and only when approved in advance by the Water Authority.

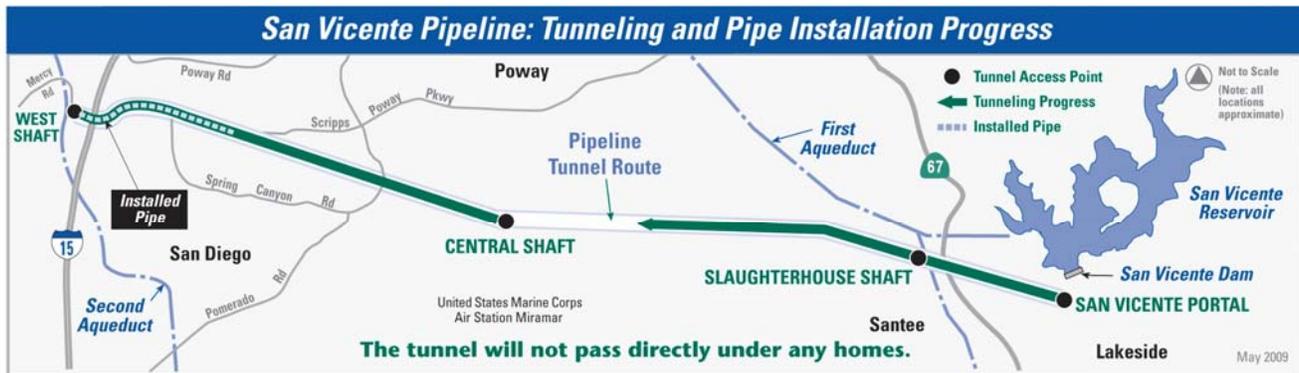
This first phase of construction will include some blasting work, but the Water Authority will notify nearby community members before any blasting begins.

The Water Authority is committed to keeping the community informed throughout construction of the San Vicente Dam Raise project. For any questions about the project, please call **(877) 426-2010** or email **ESPinfo@sdcwa.org**.

San Vicente Pumping Facilities Construction

After more than two years of construction, the San Vicente Pumping Facilities will be completed soon. Over the last few months, the contractor has been finishing electrical work at the pump station, grading and paving adjacent areas, and installing and inspecting equipment. After the contractor's work is complete, the Water Authority's Operations & Maintenance staff will begin managing the facilities. The pumping facilities will take water from San Vicente Reservoir and give it a "boost" into the San Vicente Pipeline. The surge tank will help keep a safe water pressure in the system as the water moves from the reservoir into the pipeline. Once the water is in the pipeline, it can be transported to the Water Authority's aqueduct system and ultimately to San Diego County residents when it's needed.

San Vicente Pipeline Construction



The San Vicente Pipeline is an 11-mile tunnel and a large-diameter pipeline that will connect San Vicente Reservoir in Lakeside to the Water Authority's Second Aqueduct. The pipeline will function with other Water Authority facilities to provide water to the region in an emergency.

Tunneling Progress

The tunnel is approximately 90 percent complete. The remaining tunneling machine is excavating the eastern half of the tunnel, and there is only one mile left to complete all the tunneling work. Once tunneling is complete on the east side of the project, crews will begin installing pipe between the San Vicente Portal and Central Shaft. In Lakeside, the San Vicente Portal and Slaughterhouse Shaft are both supporting the remaining tunneling activities. Excavated materials are removed at the San Vicente Portal and trucked to a nearby aggregate company.

Pipe Installation

Pipe installation in the western half of the tunnel is well under way. A team of specialists works together to install each 50-foot pipe segment. The 17-ton pipe segments are lowered into the Central Shaft and moved through the tunnel, fitted to their precise location, and welded in place. It's a complex and time-consuming operation, made a little easier with specialized equipment the contractor has designed. Pipe installation on this portion of the tunnel is approximately 75 percent complete and is expected to be done in June. After the pipe is installed, the contractor will use grout to fill the space between the outside of the pipe and the tunnel walls to ensure the pipe remains in place and to protect it from corrosion. The final step in this process is to apply a one-half inch thick cement mortar lining to the inside of the pipe to further protect it from corrosion.

The western portion of the pipeline should be done by the end of 2009. The Central Shaft is located south of the Beeler Canyon community within the StoneBridge Estates community. The West Shaft, located off Interstate 15 at Mercy Road, is used for tunnel access and to support pipe installation activities when needed.

The 11-mile-long San Vicente Pipeline is a key component of the San Diego County Water Authority's Emergency Storage Project. The pipeline will create a water supply link between San Vicente Reservoir and the Water Authority's Second Aqueduct, allowing water to be delivered to agencies in the southern portion of the county in an emergency. The project will also improve the Water Authority's ability to move large quantities of water into storage, when it is available. All work for the pipeline is scheduled to be complete in 2010.

If you have additional questions or would like to receive more information about any of the components of the Emergency Storage Project, please contact Gina Molise, Water Authority senior public affairs representative, at (858) 522-6706. You can also call toll free **(877) 426-2010**, email **ESPinfo@sdcwa.org**, or visit the website at **cip-esp.sdcwa.org**.