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MWTP WaterWorks

The Miramar Water Treatment Plant Construction News
Summer 2003

Miramar Water Treatment Plant Upgrade and Expansion

The City of San Diego Water Department and Archer Western Contractors have completed nearly one third of the \$17.3 million Miramar Water Treatment Plant Phase II Early Start Improvement project, surpassing some significant milestones in the

A new 600-foot-long retaining wall and 12-foot-wide pedestrian path at the lake have also been completed and are now open to the public. This new pathway is an extension of the existing path and makes it possible for the construction crews to keep the lake access available to visitors.



Contractors trench for the installation of a 108-inch pipe.

The widened path runs east and west along the south side of the lake and is a permanent fixture to the recreation area. It also provides a safer environment for pedestrian traffic to pass where vehicle traffic is also expected.

process. Construction began last September and since then the contractor has graded and exported from the site nearly 200,000 yards of dirt and rock, which will be used on other construction projects around the City. The massive grading project is in preparation for the upgrade and expansion of the Miramar Water Treatment Plant's capacity from 140 million gallons per day to 215 million gallons per day.

Among the other accomplishments in this phase is the installation of a section of a 108-inch-diameter overflow pipe across the Miramar Lake path. The purpose of this pipe is two-fold. It will serve to drain the water that is used to wash the plant's filter media and be used as a safety measure to prevent the plant from overflowing or flooding by distributing any excess water into

The Water Department Capital Improvements Program is committed to creating a safe and reliable water treatment and distribution system with state-of-the-art facilities at the lowest possible cost to our customers.



Lake Facts

- The City of San Diego completed construction of the Miramar Lake Dam in 1960
- The Miramar Water Treatment Plant was put into commission in 1962
- At its maximum operating level, Miramar Lake contains 1,807 million gallons of water
- Miramar Lake is 103 feet deep

Upcoming Community Advisory Group Meetings

Wednesday, September 24, 2003 6:30 p.m. Scripps Ranch Library

Useful Water Department Phone Numbers

Project Information Line:	619-533-4679
Billing Information:	619-515-3500
Recycled Water Program:	619-515-3500
Drinking Water Questions:	619-668-3233
Water Pressure Problems:	619-527-7482
Report a Water Main Break:	619-515-3525
Lakes Recreation Program:	619-465-3474
Speakers Bureau:	619-533-6638
Group Jobs Information:	858-573-5081



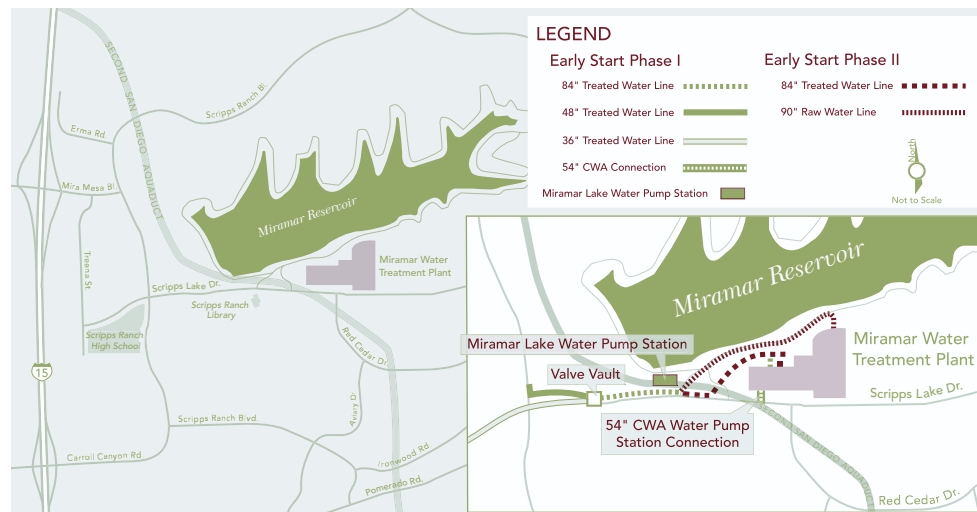
the lake. The pipe will also be used to fill the lake with excess water that is brought into the plant for seasonal storage. The immense size of the pipe is dictated by the plant's future



Contractors work side by side to install this 20' section of 90" pipe.

capacity requirements. Currently, the pedestrian path forms an "S" across the section of this pipe that it covers. The path will remain this way through the end of the summer when the contractor is scheduled to move the path closer to the lake and repave it.

Over the next several months, the contractor will be digging trenches for and installing 2,300 feet of 90-inch pipe. This pipeline will transport untreated, or raw, water to the plant's treatment system. The current pipeline that transports water into the plant is only 48 inches in diameter. A larger pipeline must replace it in order to sustain the plant's future capacity of 215 million gallons of water per day. The greater the capacity, the larger the pipe needs to be to not only transport water to the plant for treatment, but to the lake for storage. The installation of the 90-inch pipeline has started on the West side of Lake Miramar's entrance and will continue through the east parking area, which has been temporarily closed during the installation. This installation is scheduled to be complete by Fall 2003. Once complete, the contractor will repave and reopen the east parking lot.



General vicinity map and detail indicating pipeline installation paths.

What's Next?

In the coming months, the contractor will begin tunneling for the installation of an 84-inch-diameter treated water pipeline. The 600 feet of tunneling will commence on the west side of the existing Miramar Lake entrance and will take place between July and November 2003. The tunnel will be between 45 and 50 feet beneath the surface and will run underneath the temporary parking area to the treated water clearwell on the plant's property. This pipe will transport drinking water from the clearwell to the distribution system, and along with the existing 66-inch distribution pipe, will provide redundancy, as well as support the increase to the plant's capacity. Because

the contractor is tunneling, there will be no impacts to the parking or pedestrian walkways at the lake. Phase II is scheduled to be complete by February 2005.

The next phase of this project will be starting soon and takes place primarily within the Water Treatment Plant property. Construction on the nearly \$80 million project, known as Contract A, is scheduled to begin in September 2003 and will continue through 2007.

For more information about this project, please visit the Water Department on the Internet at www.sandiego.gov/water. You can also call our Public Information Line at (619) 533-4679.

Did you Know...

Storm drains are not connected to the sewer treatment system. Sandbags, fences and other measures are in place near the Miramar Water Treatment Plant construction site to prevent sediment and pollutants from entering the City's storm water conveyance system. Removing or altering these materials is illegal in accordance with the City of San Diego's Municipal Code 142.0146 (b). Find out more at www.thinkblusd.org.



The Miramar Water Treatment Plant Upgrade and Expansion Project is part of the Water Department's Capital Improvements Program to increase capacity and reliability to meet current and future water needs. These improvements will ensure our water will meet all current and future drinking water standards and provide maximum protection of public health.