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NEWS for NEIGHBORS

SPRING 2012
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CONSTRUCTION PROGRESSING ON WATER TREATMENT PLANT 4

Construction crews are working diligently to complete Water Treatment Plant 4 (WTP4), which will become Austin's third active water treatment plant. The facility is planned to be in operation by mid-2014. Following is an overview of the WTP4 system and a summary of the construction progress on various aspects of the project.

Raw Water Intake System

Construction continues on the raw water intake system, located just below The Oasis restaurant, northwest of RM 620 and west of Oasis Bluff Drive. Construction progress can be easily seen from the deck of The Oasis. Crews are currently working from three large, elevated temporary platforms to secure the permanent intake structure into the lake bed. We estimate that construction equipment will be dismantled and moved back to Keller Marina by early summer.

Once completed, the intake system will deliver water by gravity from Lake Travis to the Raw Water Pump Station and then to WTP4, where it will be processed to drinking water quality.



RAW WATER INTAKE SYSTEM CONSTRUCTION

Raw Water Tunnel and Pump Station

Raw water from the intake system will flow by gravity through a 9-foot diameter, concrete lined tunnel to the raw water pump station being constructed along Bullick Hollow Road. Crews have completed construction of the pump shafts that will lift the water approximately

370 feet to the surface. The pump station will then send the raw water to the treatment plant through a 7-foot diameter, underground steel pipeline. Excavation of the tunnel for that pipeline has recently been completed.



COMPLETED RAW WATER TUNNEL

Crews are now preparing to build the pump station building while tunneling activities continue at the Bullick Hollow site.

Also associated with this work is the widening of Bullick Hollow Road. In response to Travis County's request to address neighborhood concerns, the climbing lane was lengthened to the top of the hill to allow local traffic to move past trucks. This fall, crews will begin working to install an electrical duct bank along Bullick Hollow Road that connects the pump station with the electrical substation being installed at the WTP4 site.



ARTIST RENDERING OF PUMP STATION

Austin Water
Utility's Mission
is to provide
safe, reliable
high-quality
drinking services
to its nearly
900,000 current
customers, and
to ensure reliable
water to its
future customers

CONTACT INFORMATION

Please email questions and comments about WTP4 to info@wtpfour.com or call us at 498-9874. This newsletter is mailed to stakeholders.

If you or someone you know wants to receive this information electronically, please subscribe by emailing us at info@wtpfour.com.

VISIT OUR WEB SITE AT

<http://www.austintexas.gov/departments/water-treatment-plant-4>



AERIAL VIEW OF WTP4 CONSTRUCTION

WTP4 Site

The raw water will be treated at WTP4 to drinking water quality. The site will consist of a series of buildings and structures, including upflow clarifiers, clearwells, a filter complex, washwater facilities, centrifuge building and solids handling facilities, just to name a few. More than 200 companies are actively working on various components of the future WTP4 site. Construction is expected to be complete in 2014.

Jollyville Transmission Main

Once the water has been treated it will be carried via a 7-foot diameter transmission pipeline from WTP4 to the Jollyville Reservoir, located at US 183 and McNeil Drive. The transmission main will be installed inside of an approximately 10-foot diameter underground tunnel.

To facilitate tunnel construction, crews will construct four vertical tunnel shafts that will provide the appropriate access for construction, allow for adequate ventilation and keep workers safe, and provide access for long-term maintenance.

Two shaft sites, located at Four Points and Jollyville Reservoir, are being used as working shafts to launch tunnel boring machines, remove excavated materials and place pipe and grout as the tunnel is developed. Work began at both of these shafts in fall 2011. At Jollyville, the vertical shaft is more than 60% complete based on depth of excavation. At Four Points, the vertical shaft is complete and construction of the horizontal tunnel is underway.

The remaining two shaft sites, located on the water treatment plant site and at the intersection of Spicewood Springs Road and Old Lampasas Trail, will be used to retrieve the tunnel boring machines and place pipe and grout. Excavation of these two retrieval shafts is expected to begin later this spring. At Spicewood Springs, environmental controls and a perimeter fence have already been installed and temporary electricity has been provided to the site.



COMPLETED FOUR POINTS SHAFT



JOLLYVILLE SHAFT CONSTRUCTION



SPICEWOOD SPRINGS SHAFT SITE

WTP4 PROJECT TEAM HOSTS SUCCESSFUL BULL CREEK CLEAN UP EVENT

On Saturday, March 24, the WTP4 project team partnered with Keep Austin Beautiful, Austin Water and the City of Austin's Parks and Recreation Department to host a community clean-up of Bull Creek near the Spicewood Springs shaft site prior to the beginning of construction. Fourteen volunteers donated their time to pick up litter around the creek, collecting two truckloads of garbage including scrap metal, old fencing and empty cans and bottles. Trash bags, gloves, litter pickup tools, poison ivy block and first aid kits were provided to volunteers courtesy of Keep Austin Beautiful. The City of Austin's Parks and Recreation Department disposed of the waste. Thanks to our event partners and the volunteers for helping make the event a success!



BULL CREEK VOLUNTEER CLEAN UP

SPICEWOOD SPRINGS NEIGHBORS INVITED TO MEET THE CONTRACTOR

On Thursday, January 19, the WTP4 project team held an open house at the Balcones Country Club for neighbors near the future Spicewood Springs shaft site. The meeting was held to provide information about construction on the Jollyville Transmission Main, the plans for the Spicewood Springs retrieval shaft and to introduce area residents to the project team. Work is scheduled to begin at this shaft site later this spring.



MEET THE CONTRACTOR OPEN HOUSE