

BRAZOS RIVER AUTHORITY  
EAST WILLIAMSON COUNTY REGIONAL WATER  
SYSTEM CONTRACT A – RAW WATER PUMP  
STATION  
TAYLOR, TEXAS



## Project Description

To accommodate the growing demand for water in the Central Texas area, Brazos River Authority, approved the construction of a new raw water pump station. The new pump station is located on Lake Granger, north of Taylor, Texas and will pump water from Lake Granger to an existing treatment facility. Working as a specialized contractor for the overall project, the scopes of work included the construction of a wetwell sump, pipelines installed via microtunnel, and construction of underwater intake structures. The first phase of the project was the construction of a 75 VF x 34' diameter, concrete-lined circular shaft to act as the sump for the pump station. The second phase of the project consisted of the installation of two 54" pipelines to act as a transmission line from the reservoir to the sump. The third phase of the project utilized underwater marine operations, involving the use of marine barges and construction divers. In preparation of each microtunnel drive, approximately 1000CY of the lake bottom was excavated to allow for the mining machine to exit into the lake.

## At a Glance

**Contract Amount:**  
\$9.8 M

**Notice to Proceed:**  
September 26, 2011

**Completion Date:**  
August 15, 2012

**Contact Info:**  
Freese and Nichols, Inc.