Baker No. 3 Pump Station Passes Key Performance Test

On December 17th, Trinity Watershed Management conducted a performance test on the new Baker No. 3 pump station scheduled to be fully operational in Spring 2015. The performance test evaluated how many gallons of water were pumped per minute and the functionality of the pumps and associated technology.

The new Baker No. 3 pump station successfully passed the test, with a total pumping capacity of 700 thousand GPM when all four pumps were engaged. The new storm water pump station features the largest high efficiency corrosion-resistant Concrete Volute pumps of their type installed in the United States. The pump station will become the second in Dallas' interior drainage system to use concrete volute pumps; Pavaho is the first and it opened October of 2012.

"Baker No. 3 features the latest technology and are considered high reliability pumps," said Dhruv Pandya, Assistant Director of Flood Control. "This pump station will provide flood protection and bring heightened peace-of-mind to the neighborhoods and business districts in the area."

The new Baker No. 3 pump station, will join Old Baker built in 1931 and New Baker built in 1975 which serve the Design District and Stemmons Business Corridor. Both of the older pump stations have a current capacity of 600 thousand GPM together. With the addition of the newly built Baker No. 3, the four concrete volute pumps will increase the total pumping capacity for the east side of the Trinity River at Irving Blvd to 1,100,000 GPM.

The design and construction of Baker No. 3 was funded by the 2006 Bond Program, Proposition 2 part of the Flood Protection and Storm Drainage Facility projects. The pump stations play a key role in pumping the rain water from the sumps and stormwater drains on the dry side of the Dallas Levee System into the Dallas Floodway.