For Immediate Release

New 1.5-million-gallon water tank improving Spring Hill’s water pressure, storage needs

Spring Hill, Tenn. – The City of Spring Hill’s new Hardin’s Landing water storage tank will be officially complete on Saturday, April 9. It’s already improving water pressure throughout the city as the tank went online in late January.
The contract completion date for the $2.6 million project is April 9, which includes building a security fence around the tank, installing sod, telemetry monitoring, and paving of the entryway and parking area around the tank.

The Hardin’s Landing tank is the result of more than a decade of planning, and a year and a half of construction, to meet our growing city’s demands for water capacity and pressure.

More than 600 tons of steel were used to build the 1.5-million-gallon Waterspheroid® tank, which stands at about 131 feet high, said Lee Nugent, superintendent of CB&I, the contractor hired by the City to build the tank. CB&I has built more than 25,000 elevated water tanks.

The height of the Hardin’s Landing tank is designed to create the pressure needed to supply water to the hundreds of new homes built in Spring Hill in recent years, and to add the water storage capacity needed to ensure proper fire safety and drinking water supplies during peak usages, said Water Treatment Plant Superintendent Caryl Giles, who officially turned on the valve to the new tank on January 27.

As far as CB&I’s Waterspheroid® tanks go, the one built in Spring Hill is considered large compared to most tanks constructed in a city of similar size.

The new tank means the City of Spring Hill now has six water storage tanks, including two north end tanks at 1.5 million gallons each, a 1-million-gallon tank at City Hall, a 340,000-gallon tank in Stonegate, and 500,000 gallons of clear well capacity at the treatment plant.

“Spring Hill’s water usage averages 2.8 million gallons per day,” Giles said. “The state requires us to have one day of capacity, and we have 6.3 million gallons of total capacity. So we are way ahead of what other cities are in regard to capacity.”

“Municipal water systems are designed to operate off of water storage tanks. This new tank aids us on the south side of Spring Hill by giving us some equalizations to the pressures across the south end of town (south of Duplex Road),” Giles said. “Prior to this tank, we were trying to operate the south end of town with pump capacity by pumping directly into the system. There is no way you can equalize pressure with pumps. Today, in a worst-case scenario, even if we had to shut down the plant temporarily, we would be able to maintain pressure throughout the entire city without the use of pumps. That’s something to be proud of.”

Jerome Dempsey, president of the Smyrna-based engineering consulting firm, Dempsey, Dilling & Associates, has been doing contractual engineering work for the City of Spring Hill for 30 years. Dempsey created the initial design drawings and engineering for the Hardin’s Landing tank, which had been planned by the City for over a decade.

“This is a project that Dempsey Dilling and Associates is proud of and can now serve as an icon to the City of Spring Hill,” Dempsey said. “Not only does it serve purposes of pressure and water volume, it’s now a landmark beacon for Spring Hill.”