



Elevated Water Storage Tanks - Citywide (Alternative Capacity Requirement Implementation Phase 2)



Council Presentation
April 12, 2016

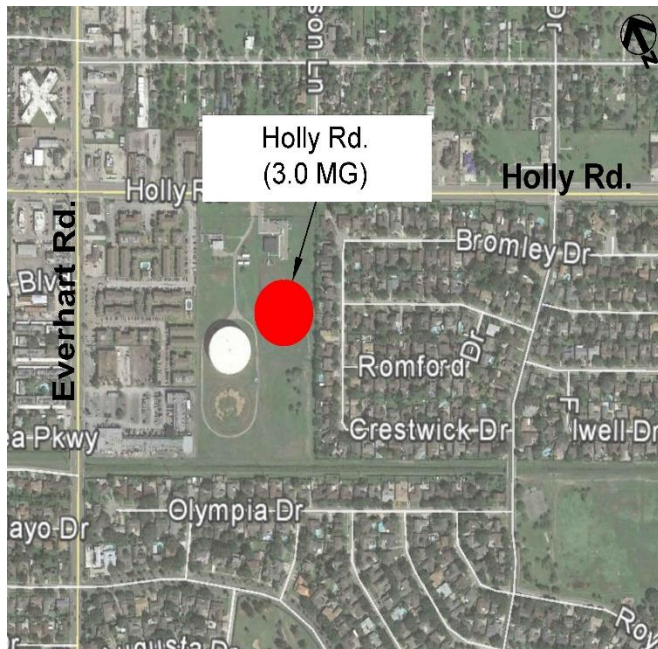


Project Location

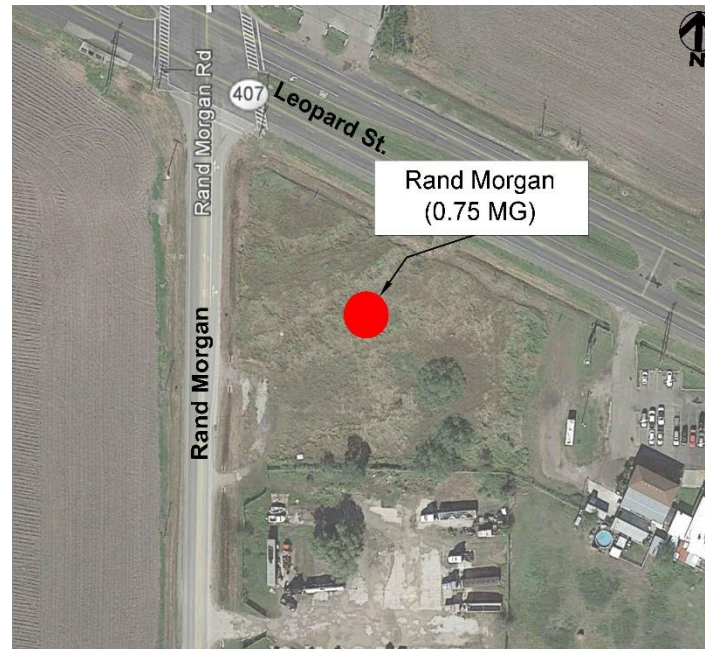




Project Location



Holly Road Elevated Storage Tank



Rand Morgan Elevated Storage Tank



Alternative Capacity Requirement (ACR) Implementation Plan - TCEQ



- Texas Administrative Code (30 TAC) requirement : 100 gal/connection for water system;
- Currently 24 gal/connection for City;
- ACR Plan approved by TCEQ (2012) : 50 gal/connection; 4 phases of construction in 9 years.
 - Phase 1: Emergency power generators (**Under Design***)
 - Phase 2: Installation of ESTs at Holly RD and Rand Morgan St. (**This project for construction**)
 - Phase 3: Installation of the fourth EST at Starry RD.
 - Phase 4: Installation of the third EST at Nueces Bay Blvd.

ACR Implementation Plan		12- 13	13- 14	14- 15	15- 16	16- 17	17- 18	18- 19	19- 20	20-21
Phase 1	Navigation and Statples Generators	Design	Construction							
Phase 2	Holly RD and Rand Morgan ESTs		Land Acquisition	Design	Construction					
Phase 3	Starry RD EST					Design	Construction			
Phase 4	Nueces Bay Blvd. EST						Land Acquisition	Design	Construction	

* Note: Phase 1 was delayed, and TCEQ agreed to complete before Phase 2.



Project Scope



This is the second Phase of ACR Implementation Plan of Elevated Storage Tank (EST) approved by TCEQ in 2012.

The work includes:

1. Installation of 3.0 MG EST at Holly Road;
2. Installation of 0.75 MG EST at Rand Morgan Street;
3. Installation of hydrodynamic mixing system;
4. Associated piping, valves, SCADA, site development and utility connections.



Project Schedule



2016												2017											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bid & Award				Construction																			

Project Estimate: 580 Calendar Days = 20 Months

Projected Schedule reflects City Council construction award in April 2016 with anticipated construction completion by December 2017.