



# Land Acquisition for Elevated Storage Tank at Rand Morgan Road



Council Presentation  
April 21, 2015



# Alternative Capacity Requirement (ACR) Plan - TCEQ

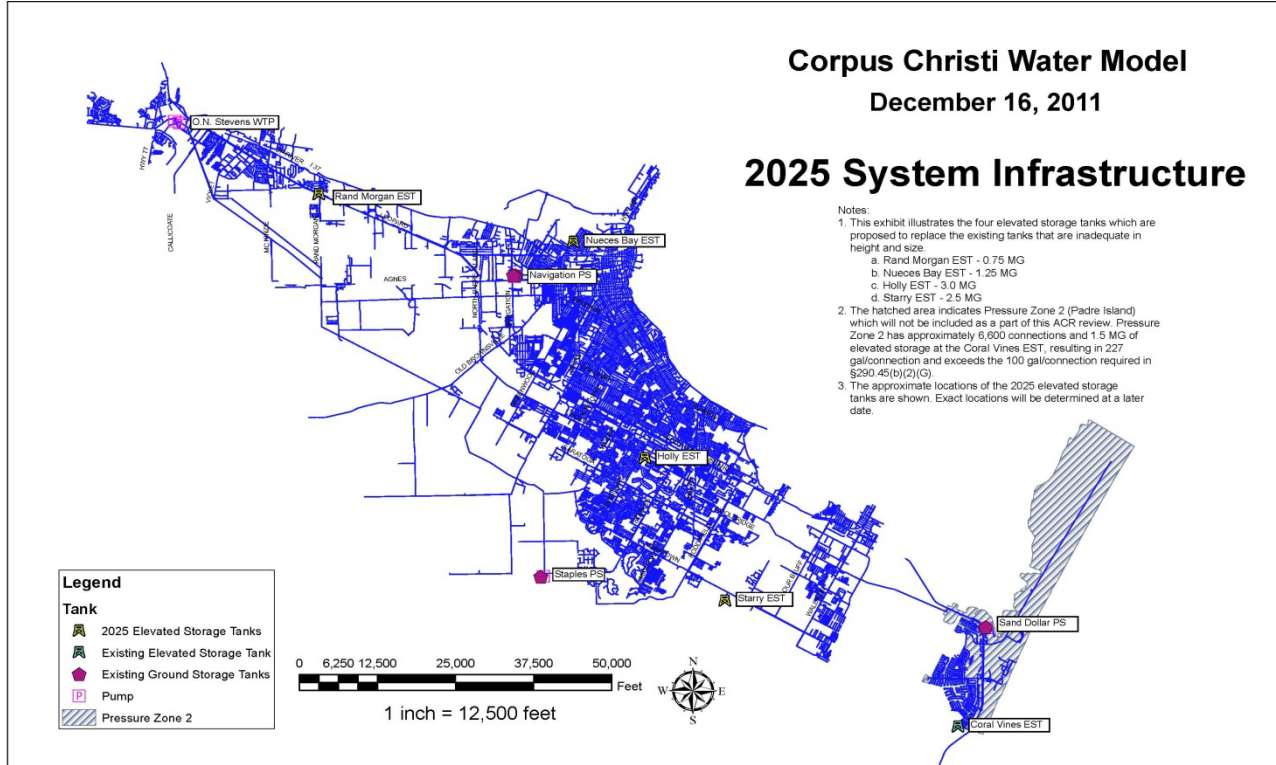


- Texas Administrative Code (30 TAC) requirement : 100 gal/connection for water system;
- Currently 24 gal/connection for City;
- ACR Plan approved by TCEQ (2012 ) : 50 gal/connection; 4 phases of construction in 9 years.
  - Phase 1: Emergency power generators (**On-going project**)
  - Phase 2: ESTs at Holly RD and Rand Morgan St. (**Land acquisition and design on-going**)
  - Phase 3: Third EST at Nueces Bay Blvd.
  - Phase 4: Fourth EST at Starry RD.

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	Critical Path for ACR Implementation Plan						
Phase 2	Holly RD and Rand Morgan ESTs		Land Acquisition	Design	Construction					
Phase 3	Nueces Bay Blvd. EST				Land Acquisition	Design	Construction			
Phase 4	Starry RD EST						Land Acquisition	Design	Construction	



# City's Water Infrastructure in 2025



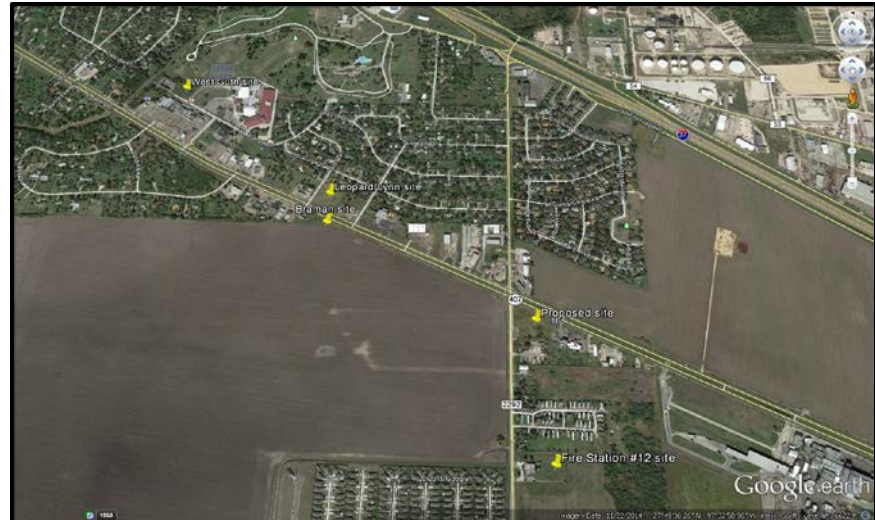


# Potential Land Site Candidates



Rank	Description	Trans. Main Cost	Land Acquisition Cost	Total Siting Related Cost
1	Rand Morgan	\$ 177,000	\$ 190,500	\$ 367,500
2	Braman Ranch	\$ 279,000	\$ 330,000	\$ 609,000
3	Leopard & Linn St.	\$ 462,000	\$ 330,000	\$ 792,000
4	Fire Station #12	\$ 904,000	\$ -	\$ 904,000
5	West Guth Park	\$ 952,000	\$ -	\$ 952,000

Engineering economic analysis indicated that the land at the Rand Morgan RD is the best site candidate for the new 0.75 MG EST.



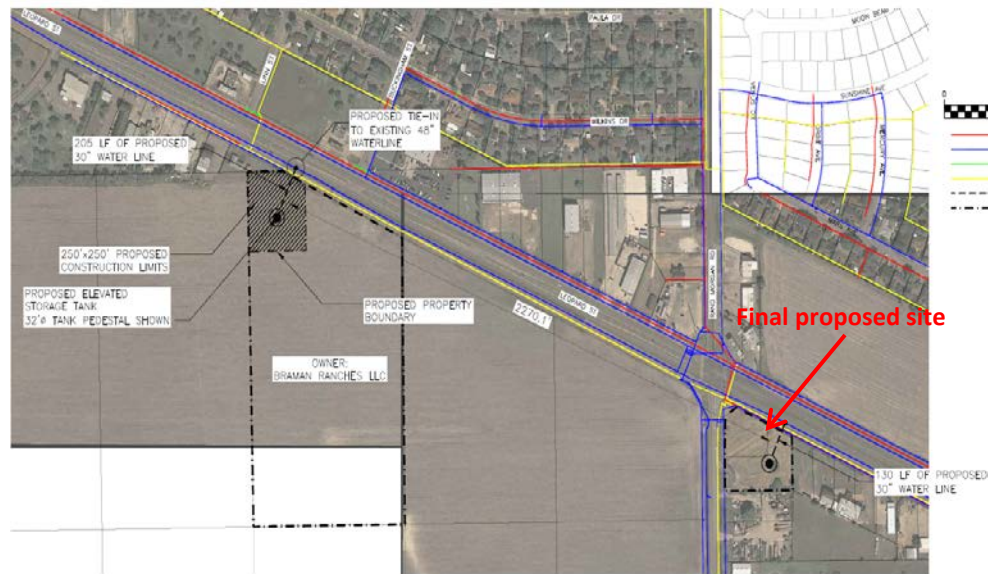


# Determination of EST Land Acquisition



Further investigation justified the best value to the City for the land at the corner Leopard St. and Rand Morgan Rd. -

- Braman Ranch land not available in market;
- Meet ACR Plan timing limitation;
- Low commercial value for other business due to gas line easement.
- Land availability and low acquisition cost;
- Minimized construction cost; and
- Minimal impact on neighborhood;



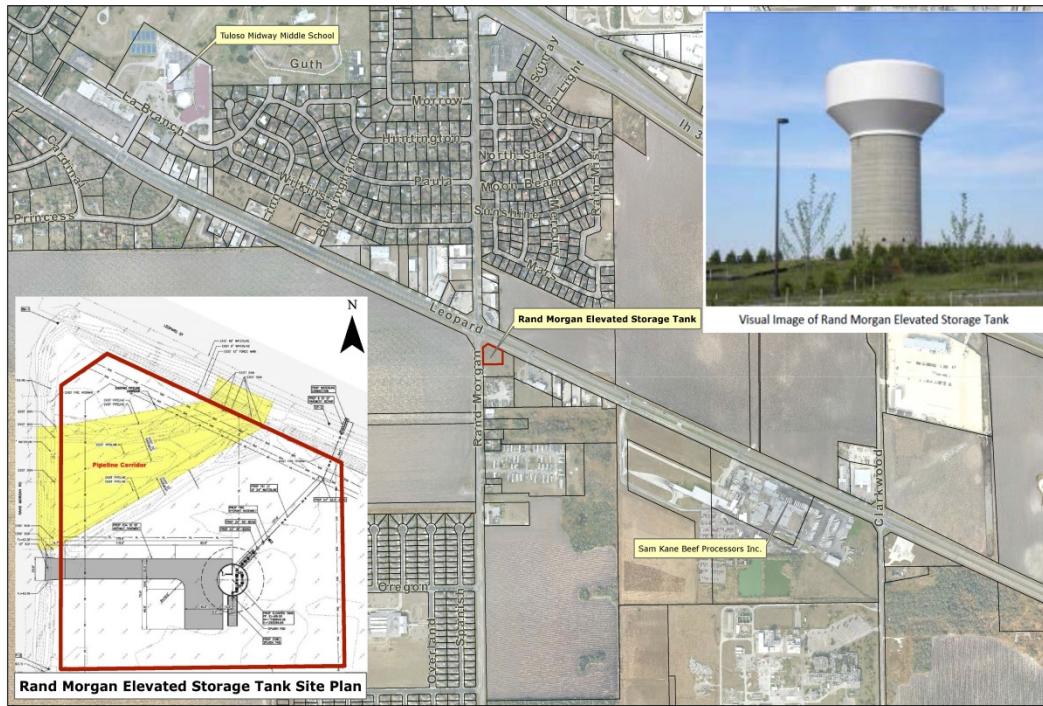


# Rand Morgan EST Site Plan



## Proposed Rand Morgan EST:

- Concrete/Steel composite EST;
- 166 ft. in height;
- Masonry fence isolating EST, if needed; and
- Minimal cost in EST water main





# Future Land Use Plan around Rand Morgan EST

