

Phase	Year	Project	Cost Estimate*	Funding Sources
1	2018-2020	A new 2,000 GPM well; 500,000-gallon ground storage tank; and pump station to provide a future potable water source. Project will include a new vertical turbine pump and motor, up to 800' of well casing, required screening, storage tank, pump station building, disinfection unit, motor and pump controls and associated electrical service, yard piping, alarms, and security fencing. The Project will also include administration, Engineering & Survey services.	\$3,800,000	USDA; TxCDBG; GEN (General Obligation Bond); TWDB loan; City Utility Fund (Rev Bond)
2	2020-2023	Obtain funding to replace approximately 4,550 LF of existing 2" water lines with 6" PVCWL along Dahlgren, Belle, and Abel St. The project will also include replacement of 2" WL and line extension along Wayside, with approximately 3,500 LF of 12" PVCWL to loop with the existing lines. The project will also include, approximately eight (8) fire hydrants at appropriate locations, service re-connects, valves, street, pavement, and driveway repair, administration, and Engineering & Survey services.	\$392,400	TxCDBG; GEN (General Obligation Bond); USDA; TWDB loan; City Utility Fund (Rev Bond)
3	2023-2028	Obtain funding to replace approximately 5,300 LF of existing 2" water lines with 6" PVCWL along Groom, Lily, and Circle St. The project will also include replacement of 8" ACWL along Old City Lane, with approximately 3,000 LF of 12" PVCWL. The project will also include, approximately nine (9) fire hydrants at appropriate locations, service re-connects, valves, street, pavement, and driveway repair, administration, and Engineering & Survey services.	\$390,700	TxCDBG; GEN (General Obligation Bond); USDA; TWDB loan; City Utility Fund (Rev Bond)
4	2023-2028	Obtain funding to replace and extend approximately 9,200 LF of existing water lines with 12" PVCWL along Burtleson, Sunset, Spanish Camp, Harrison, and FM 102. The project will also include approximately 300 LF of bored and encased 12" PVCWL under the Railroad ROW. The project will also include, approximately 13 fire hydrants at appropriate locations, service re-connects, valves, street, pavement, and driveway repair, administration, and Engineering & Survey services.	\$695,000	TxCDBG; GEN (General Obligation Bond); USDA; TWDB loan; City Utility Fund (Rev Bond)

Notes on Cost Estimates: [\*] GrantWorks Engineering Staff provided cost estimate. [†] Cost estimate includes any associates engineering, administration, and/or acquisition costs.  
 Sources: GEN = Municipal funds and General Obligation Bonds; TCF = Texas Capital Fund; TxCDBG = Texas Community Development Block Grant Program, administered through the Texas Department of Agriculture (TDA); TWDB = Texas Water Development Board grants and loans; USDA = US Department of Agriculture Rural Development Water and Wastewater Infrastructure loans and grants; UTILITY = City Utility fund/revenue

<b>Proposed Water System Improvements</b>	<b>Water Line Components</b>	<b>Water Mains</b>	<b>City Limits</b>
Phase 1	Pump Station	[Label: Diameter, Material] (UNK = Unknown)	Extraterritorial Jurisdiction
Phase 2	Well	Existing	House
Phase 3	Ground Storage Tank	Fire Protection Zone	Multifamily Complex [Label: Total Units]
Phase 4	Existing	Fire Hydrant	Parcels
	Gate Valve	Elevated Storage Tank	Unbuilt Right of Way
	Ground Storage Tank	Ground Storage Tank	Railroad
			Bridge
			Stream
			Lake or Pond
			FEMA Floodway

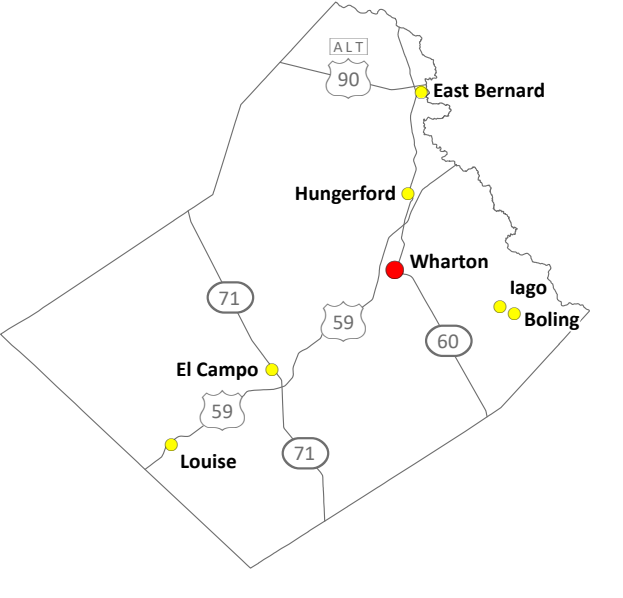


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Wharton County, Texas



Wharton County

# City of Wharton

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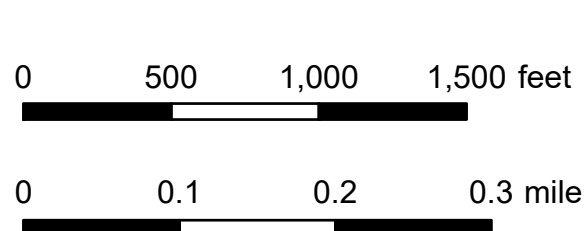
### Map 5B

#### Proposed Water System Improvements 2018 - 2028

October 2018



1 inch = 650 feet



Texas State Plane Zone 4  
 Texas South Central  
 Projection: Lambert Conformal Conic  
 GCS North American 1983  
 Datum: D North American 1983

**Disclaimer**  
 The maps and documents included in this planning study are to be used for comprehensive planning purposes only as reference material provided for laypersons, whether they are public officials or members of the general public. Recommendations for infrastructure improvements in this study, which are derived from engineering studies, or project cost estimates prepared by an engineer, are cited as such. Under no circumstances should material contained within this study regarding improvements to the City's infrastructure be construed as a detailed engineering plan, specification, engineering design, or any other type of document intended for the purpose of specific public work construction. The municipality and/or governing agency is responsible for obtaining the services of a licensed professional engineer to perform engineering design services for the construction of public works projects as required by the Texas Engineering Practice Act.

The lot, right-of-way, corporate and extraterritorial jurisdiction boundaries depicted on these maps were derived from readily available information such as existing corporate maps, census maps, or plat maps from the County Clerk or Appraisal District and are representational in nature. Location and characterizations of infrastructure, facilities, and structures depicted on these maps are approximate. The City and GrantWorks, Inc. do not intend to establish or confirm true and legal boundaries or exact locations of physical objects with these maps and do not warrant or approve the use of these maps for any purpose other than general reference and information.