

Phase	Year	Project	Cost Estimate*	Funding Sources
1	2018-2020	Obtain funding for two drainage studies of the southwest and north and central areas of town to evaluate existing conditions and capacity of existing underground storm sewers and ditches in Study Area B and identify and recommend opportunities for detention and restoring drainage paths to the existing ditches and creeks draining the downtown area. Project will also include re-grading of approximately 20,000 LF of roadside ditches in the southeastern portion of the city. Administration, Engineering, & Surveying services.	\$347,000	GEN; TXCDBG; TWDB; USDA; FEMA; TXCDBG-DR
2	2020-2022	Obtain funding to re-grade approximately 52,600 LF of existing roadside ditches in the northern portion of the city, and Administration, Engineering, & Surveying services.	\$320,626	GEN; TXCDBG; TWDB; USDA; FEMA; TXCDBG-DR
3	2023-2025	Continue to obtain funding to re-grade approximately 41,700 LF of existing roadside ditches in the northern portion of the city and replace undersized and/or damaged culverts in selected portions of the City. Project will include culvert replacements, SET's at both ends of culvert replacements, re-grading of existing roadside ditches, pavement and driveway repair, and Administration, Engineering, & Surveying services.	\$254,200	GEN; TXCDBG; TWDB; USDA; FEMA; TXCDBG-DR
4	2025-2028	Obtain funding to implement the recommendations of the Area B Drainage Study to restore and improve storm water conveyance and construct regional detention facilities, as appropriate. Project will include culvert and storm water clearance and replacements, SET's at both ends of culvert replacements, re-grading of existing roadside ditches, new channel and roadside ditches where appropriate, detention pond improvements where appropriate, pavement and driveway repair, and Administration, Engineering, & Surveying services.	\$1,200,000	GEN; TXCDBG; TWDB; USDA; FEMA; TXCDBG-DR

Notes on Estimates: [*] Negotiate a cost sharing agreement that provides equipment, labor, and materials for drainage maintenance. [**] Refer to NRP information concerning available funding through the program.
 Source: FEMA= Federal Hazard Mitigation Assistance program through the TWDB for NRP members only; GEN = Municipal fund; Private= Land donation; FHWA= Federal Highway Administration; TWDB= Texas Water Development Board Flood Protection Planning; TXCDBG= Texas Community Development Block Grant program if area is involved in project where street/curb and gutter repair is required; TXCDBG-DR= TXCDBG Disaster

Proposed Drainage System Improvements

- Phase 1 Area A (Cyan line)
- Phase 1 Area B (Green line)
- Phase 2 (Yellow line)
- Phase 3 (Magenta line)

Storm Sewer Inlet

- Combination Inlet
- Area Inlet
- Curb Inlet

Culvert

- Culvert

Drainage Channel

- Roadside Ditch
- Natural Lined Channel
- Concrete Lined Channel
- Valley Cut
- Curb and Outter
- Problem Drainage Area

City Limits

- City Limits
- Extraterritorial Jurisdiction
- House
- Multifamily Complex [Label: Total Units]
- Parcels
- Unbuilt Right of Way
- Railroad
- Bridge
- Stream
- Lake or Pond
- FEMA 100 Year Special Flood Hazard Area
- FEMA Floodway
- USGS Contours [Label: Elevation (feet)]

Abbreviations of culvert type: CMP = Corrugated Metal Pipe; RCP = Reinforced Concrete Pipe.



GrantWorks, Inc.
 2201 Northland Drive, Austin, TX 78756
 Phone (512) 420-0303 Fax (512) 420-0302

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Wharton County, Texas



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City of Wharton

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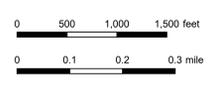
Map 7B

Proposed Storm Drainage Improvements 2018 - 2028

October 2018



1 inch = 600 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. Locations 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.