



### Grimes Public Library

The Grimes Public Library is located at the intersection of Highway 44 and James Street. Constructed 24 years ago in 1994, the library is a 6,439 square foot concrete block building with brick facing. In 2017, Grimes Public Library had 147,000 items check out, 122,000 people visit, 600 library events, and 7,000 card holders.

#### *2018 Evaluation*

The building is in good condition, however, there has been some cracking occurring to the structure's foundation. In addition, the buildings HVAC system will likely need to be replaced in the near future. With regards to the library grounds, the sidewalks and parking lot have degraded and are in need of major repairs. While the building is in good condition, it no longer fully meets the needs of the community. The growth in library collections and the expansion of library staff has drastically limited the amount of space that the library has available for future growth. The library has begun planning for either the expansion of the current library, or the construction of an entirely new facility.

#### *Recommendation*

- Continue regular maintenance of the current facility.
- Repair the sidewalks and parking lots servicing the library.
- Proceed with plans for the expansion of the city's current library facilities, by contracting with a building consultant to help in the process of programming for a new facility, and in the selection of a project architect.
- Complete Waterworks Park Master Plan to address expansion or relocation of the library.

## INFRASTRUCTURE INVENTORY & ANALYSIS

This section presents an inventory and evaluation of the city's existing infrastructure systems as of the beginning of 2018. It includes water distribution and storage, sanitary sewer collection and treatment, stormwater conveyance, and transportation. In summary, infrastructure priorities:

### Infrastructure Priorities

- **Review city codes and ordinances to ensure that they do not prohibit the use of "green" solutions to stormwater management.**
- **Upgrade the water treatment plant for additional capacity.**
- **Upgrade of the underground reservoir at the water treatment facility for extension of facility life.**
- **Construct an additional south side water tower.**
- **Establish a policy to install "dark" conduit in conjunction with any significant infrastructure work to decrease future trenching.**

## SANITARY SEWER

### Wastewater Collection

Grimes' wastewater collection system has lines ranging in size from 4 to 30 inches in diameter. The majority of lines within the system are 10 to 12 inches. All new installations are PVC, with clay pipe existing in the oldest sections of the city. Any repair work to the original system of clay pipes in being replaced with PVC pipe. The system serves only the City of Grimes, except for the portion of the city located north of NW 27th Street. Properties in this portion of the city are on domestic well and septic systems.

#### *2018 Evaluation*

The collection system is in good condition. There is a preventative maintenance plan in place, with lines being cleaned and jetted once every four years. In areas with root problems lines are cleaned and jetted annually. Infiltration and inflow is an issue, with the majority of infiltration originating within the city's oldest neighborhoods and from poorly sealed manholes.

#### *2018 Recommendations*

- Continue regular maintenance of sanitary sewer lines
- Replace obsolete clay pipes as required.