

### 3.4 Potential for Serving Additional Areas

The existing collection system is limited in several areas by different factors. The wastewater treatment plant is designed for 4.0 mgd. The current average flow for the city is 2.56 mgd with peaks of 8.0 mgd. The first priority in order to serve additional customers will be the expansion of the wastewater treatment plant

In the collection system, the West Parkway Basin is limited by the 10-inch Red Roof Interceptor, which will prevent any major developments from being added to the sewer system on the south side of the Parkway. The Broady Hills Sub Basin is limited by the pump station, which is at capacity when the campgrounds in the area are full. The station must be replaced or upgraded before any additional services can be made in that area. The other problem areas in the collection system are located close to the plant and can be addressed by increasing the line size feeding the Main Lift Station and a rehabilitation of the Jake Thomas Lift Station