5.7 COUNTRYSIDE LINE

The Countryside Line may provide service to two potential participants in the probable study boundary: Lemaster Enterprises and Countryside Water Users, Inc. The first segment delivers water to Lemaster Enterprises and the second segment delivers water to Countryside Water Users, Inc. (see Mapbook "Countryside Line"). Lemaster Enterprises is a potential Class G participant and is described in Section 4.14. However, a short portion of the Countryside Line delivers water to a couple of Lemaster Enterprises' storage tanks (see Mapbook "Countryside Line" – Sheet 1). The proposed Countryside Line has one tap on the existing 12-inch City distribution system pipeline located near the intersection of North Garner Lake Road and Vaquero Avenue. Campbell County is currently planning to widen Garner Lake Road during the Northern Drive Phase I Project and installation of waterlines should be coordinated with this project to avoid alignment and easement issues.

COUNTRYSIDE WATER USERS, INC.

This system is to the northeast of the City. Countryside Water Users, Inc. does not have individual water meters for its customers and disinfect their water using sodium hypochlorite. They have collected water quality data that is available.

The returned inventory form provided the following information about Countryside Water Users, Inc. This system appears to be in good order and is reported to have fair reliability. Table 40 presents the existing water system summary for Countryside Water Users, Inc. from the inventory form (Appendix E). Figures 63 through 66 are photos of the existing pump station, tanks, and wells. The interest of the potential participant in joining the Regional System is unknown.

TABLE 40 COUNTRYSIDE WATER USERS, INC EXISTING SYSTEM SUMMARY

Tank	**Volume (gallons)**	
1	45,500	
2	17,700	
3	11,800	
Wells	**Production Rate (gpm)**	
2	80	
Number of Existing Water Taps	**Number of Planned Future Water Taps**	
160	Not given	
Annual Water Usage (gallons)	**Peak Day Summer Usage (gallons)**	**Peak Day Winter Usage (gallons)**
11,781,000	76,419	17,000
Operating Pressure (psi)	**Optimum Operating Pressure (psi)**	
Not Given	Not Given	

FIGURE 63 **COUNTRYSIDE WATER USERS, INC. PUMP STATION**

FIGURE 64 **COUNTRYSIDE WATER USERS, INC. PUMP STATION AND TANKS**

FIGURE 65 **COUNTRYSIDE WATER USERS, INC. WELL #1**

FIGURE 66 **COUNTRYSIDE WATER USERS, INC. WELL #2**

The system may be connected to the City's distribution system by the Countryside Line (see Mapbook "Countryside Line" - Sheets 1 to 2). One 6-inch connection of approximately 5,850 ft of dedicated and 350 ft of shared waterlines would provide service to the existing tanks. A service isolation valve would be provided on the connection line and a standard master meter and altitude valve would be required. Table 41 summarizes the future connection requirements.

TABLE 41 COUNTRYSIDE WATER USERS, INC. FUTURE CONNECTION SUMMARY

Class of Service	
Interim:	**Future:**
Class D	Class E
Delivery Requirements	
Connection Size: 6-inch	
Average Day Demand:	**Peak Day Average Demand:**
25 gpm	310 gpm
Preferred Delivery Point	
Connection to:	**Estimated Pressure at Delivery Point:**
Existing Storage Tanks	55 psi (reduced by Altitude Valve into Tank)
Infrastructure Needs to Establish Connection	
Service isolation valve, standard master meter, altitude valve, and approximately 5,850 feet of dedicated 6-inch and 8-inch pipe.	