5.6 CRESTVIEW LINE

The Crestview Line may provide service to two of the potential participants in the probable study boundary: Crestview Estates Subdivision and Hitching Post Trailer Court. There are two segments that compose the Crestview Line (see Mapbook "Crestview Line"). The proposed Crestview Line has one tap on the new Madison Parallel pipeline located near the intersection of Gallery View Drive and South Douglas Highway.

CRESTVIEW ESTATES SUBDIVISION

This system is located southeast of the Gillette city limits. Crestview Estates has individual water meters for its customers and disinfect their water using chlorine gas. They have collected water quality data that is available.

The returned inventory form provided the following information about Crestview Estates Subdivision. A local Water and Sewer District governs this system which has been reported to be in good condition, is 25 years old and provides fire protection. Crestview has one well and a contract to buy water from Antelope Valley. The billing cost of $45 per month also pays for the road and streetlights. Table 35 presents the existing water system summary for Crestview Estates Subdivision from the inventory form (Appendix E). Table 36 presents additional information on the Crestview Estate Fort Union formation well. Figures 57 through 59 are photos of the existing pump station, tank, and well.

When asked, the board members governing this system were interested in a possible raw water purchase. When asked what would be their preferred management structure for a regional system, they responded with not being interested in joint powers.

TABLE 35 CRESTVIEW ESTATES SUBDIVISION EXISTING SYSTEM SUMMARY

Tank	**Volume (gallons)**	
1	500,000	
Well	**Production Rate (gpm)**	
1	90	
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)**
21,950,000	140,419	30,032
Operating Pressure (psi)	**Optimum Operating Pressure (psi)**	
55	Not given	

TABLE 36 CRESTVIEW IMPROVEMENT & SERVICE DISTRICT WATER WELL

Well Name	Year Completed	Total Depth [1] (ft)	Pumping Capacity (gpm)
Well No. 1	N/A	1,550	90

[1] Depths are measured below ground level (bgl)

FIGURE 57 **CRESTVIEW ESTATES SUBDIVISION PUMP STATION**

FIGURE 58 **CRESTVIEW ESTATES SUBDIVISION PUMP STATION AND TANK**

FIGURE 59 **CRESTVIEW ESTATES SUBDIVISION WELL**

The system may be connected to the future Madison Parallel by the Crestview Line (see Mapbook "Crestview Line" - Sheet 1). One 8-inch connection of approximately 1,450-ft would provide service to the existing tank. In addition, Crestview Estates Subdivision has been identified as a potential Class B participant and the connection would allow delivering water back into the Regional System with excess well supply. A service isolation valve would be provided on the connection line and a standard master meter and two-way altitude valve would be required. Table 37 summarizes the future connection requirements.

TABLE 37 CRESTVIEW ESTATES SUBDIVISION FUTURE CONNECTION SUMMARY

Class of Service	
Interim:	**Future:**
Class B	Class B
Delivery Requirements	
Connection Size: 8-inch	
Average Day Demand:	**Peak Day Average Demand:**
45 gpm	350 gpm
Preferred Delivery Point	
Connection to:	**Estimated Pressure at Delivery Point:**
Existing Storage Tank	15 psi (reduced by Altitude Valve into Tank)
Infrastructure Needs to Establish Connection	
Service isolation valve, standard master meter, two-way altitude valve, and approximately 1,450 feet of dedicated 8-inch pipe.	

HITCHING POST TRAILER COURT

This system is located south of the City. Hitching Post Trailer Court does not have individual water meters for its customers. Their customers pay a bulk water charge and they disinfect their water using sodium hypochlorite. They have collected water quality data that is available.

The returned inventory form provided the following information about Hitching Post Trailer Court. This system appears to be in good repair. The well is inside of the pump station and the tank is connected to the pump station. The elevation of the tank is 4,675 feet. Table 38 presents the existing water system summary for Hitching Post Trailer Court from the inventory form (Appendix E). Figures 60 through 62 are photos of the existing pump station, tank, and well.

It was not indicated if they are interested in joining a regional system in the survey.

TABLE 38 HITCHING POST TRAILER COURT EXISTING SYSTEM SUMMARY

Tank	**Volume (gallons)**	
1	20,000	
Well	**Production Rate (gpm)**	
1	20	
Number of Existing Water Taps	**Number of Planned Future Water Taps**	
33	0	
Annual Water Usage (gallons)	**Peak Day Summer Usage (gallons)**	**Peak Day Winter Usage (gallons)**
Not Given	Not Given	Not Given
Operating Pressure (psi)	**Optimum Operating Pressure (psi)**	
35	Not Given	

FIGURE 60 **HITCHING POST TRAILER PUMP STATION**

FIGURE 61 **HITCHING POST TRAILER PUMP STATION AND TANK**

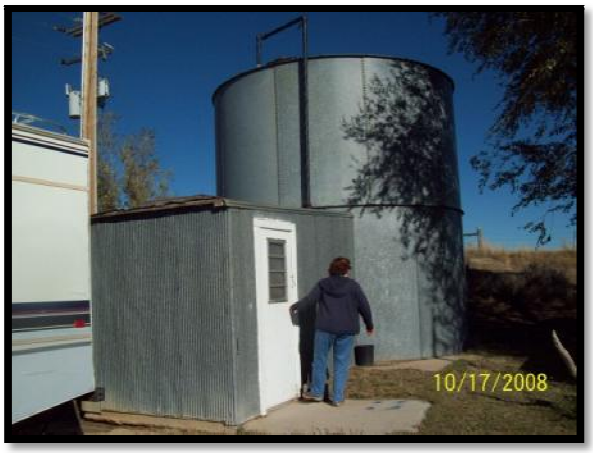

FIGURE 62 **HITCHING POST TRAILER COURT WELL**

The system may be connected to the future Madison Parallel by the Crestview Line (see Mapbook "Crestview Line" - Sheet 1). One 6-inch connection of approximately 1,150 ft would provide service to the existing tank. A service isolation valve would be provided on the connection line and a standard master meter and altitude valve would be required. Table 39 summarizes the future connection requirements.

TABLE 39 HITCHING POST TRAILER COURT 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:**
15 gpm	50 gpm
Preferred Delivery Point	
Connection to:	**Estimated Pressure at Delivery Point:**
Existing Storage Tank	45 psi (reduced by Altitude Valve into Tank)
Infrastructure Needs to Establish Connection	
Service isolation valve, standard master meter, altitude valve, and approximately 1,150 feet of dedicated 6-inch pipe.	