

**Britton Engineering & Land Surveying, Inc**

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8035 Black Hawk Road, Suite #5  
PO Box 649  
Black Hawk, South Dakota 57718  
(605) 716-7988

December 4, 2007

RE: Plat of Lot 4R of High Sheridan Ranch Subdivision – existing water system.

Raymond (Butch) Crawford  
23435 Sand Lane  
Rapid City, SD 57702

Dear Butch,

We have been in contact with Mr. Ed Striebel, the water system operator, and have acquired information on the existing water system. Lot 4R was originally platted into two lots (Lots 4 and 5) and the water system provided domestic water services to those two lots. It is our understanding that both of these services still exist on Lot 4R and that with the proposed platting into Lots A and B of Lot 4R both lots would have individual water services. We also understand that a fire hydrant is located along Sand Lane immediately to the north of Lot 4R and that fire protection is provided by Whispering Pines Volunteer Fire Department. In addition the following information was included in our discussion:

1. The system classified as a rural system
2. It has single 25,000 gallon reservoir.
3. With 10-homes connected to the system.
4. The well pump is rated at 10 gallons per minute.
5. The system is gravity feed from the reservoir.
6. The water pressure is adequate for the domestic use.
7. The estimated domestic use is estimated between 120 and 200 gallons per person per day. Approximately 4 gallons per minute.
8. The distribution system is a 6" PVC main with 3 Fire Hydrants located along Sand Lane.
9. The estimated fire pumping rate is 250 gallons per minute for approximately 100 minutes.
10. The systems water quality is monitored by Ed and reported to the SD DENR.
11. It appears that there was not much more room for expansion on the system.

Please contact us if you have any questions, comments or concerns.

Sincerely,



Steve Thingelstad, PE/LS  
President  
cc: file

**RECEIVED**

DEC 07 2007

Rapid City Growth  
Management Department