

March 18, 2005

**RECEIVED****MAR 22 2005**Department of Water Resources  
Southern Region

Mr. Allen Merritt  
Idaho Department of Water Resources  
1341 Fillmore Street, Suite 200  
Twin Falls, Idaho 83301

RE: Water Right Application for Bluegrouse Ridge Subdivision, Blaine County, Idaho

Mr. Merritt:

This letter is in response to our telephone conversation on Thursday, March 17, 2005. We have decided that the best course of action at this time is to reduce the application flow rate as follows:

|             | Original Application<br>(17 connections) | Revised Application<br>(16 connections) |
|-------------|------------------------------------------|-----------------------------------------|
| Domestic:   | 0.19 cfs (calculated value 0.192)        | 0.19 cfs (calculated value 0.186)       |
| Irrigation: | 0.17 cfs                                 | 0.16 cfs                                |
| Other Uses: | 0.04 cfs                                 | 0.04 cfs                                |
| Total:      | 0.40 cfs                                 | 0.39 cfs                                |

I rounded the domestic flows to the nearest hundredth which results in the same calculated flow for both cases. Irrigation flow was reduced by 0.01 cfs to account for the loss of ½ acre of irrigated area at a flow rate of 0.02 cfs per acre: 16 lots x 0.02 cfs/ acre x ½ acre/lot = 0.16 cfs.

I enclosed a map showing the location of the irrigation for "other uses" and the location of the affordable housing parcel. It is this affordable housing parcel that will be split into two parcels upon completion of the building. The square footages listed for "other uses" in the report were determined by the landscape architect for the project and appear to in error. We have shown the location and irrigated areas on the enclosed map. The new irrigated area for other uses is 27,400 sq.ft.. This is irrigated area on Parcel C, within the road ROW(s), and in the cul-de-sac at the end of Covey Run Lane. Parcel C is the Homeowner Association's park area and includes a soccer play field. None of these irrigated areas are included on other lots within the subdivision.

There is an existing 6" domestic water well that is located on Parcel A. This well currently serves a single home belonging to Mr. Brian McCoy and the common area landscaping. Mr. McCoy is the developer and owner of the subdivision property. This well was not constructed to

**GALENA ENGINEERING, INC.      CIVIL ENGINEERING & LAND SURVEYING**

Idaho Department of Environmental Quality (IDEQ) drinking water standards and will be abandoned after the new 8" drinking water well is constructed and put on line. This new well will also be located on Parcel A. There is a second Parcel B that is designated as a well parcel and is reserved for future use if any problems develop with the new well or if production declines to the point where a second source is required.

We did this because these well sites are located at the fringe of the Big Wood River aquifer and there is little or no groundwater moving through the soils located within the subdivision. A well pumping test was performed last year on this existing well and production appears to adequate for the required flow rates of the proposed water system, so we are not anticipating any problems at this time. The new 8" well will be the sole source for all water consumption use within the subdivision and no additional wells will be allowed on any of the lots within the subdivision. All fire protection, irrigation, and domestic water flows will originate from the new 8" well through a new pressurized water distribution system.

I will be leaving Galena Engineering, Inc. to work for another firm so please call Mr. Jeff Loomis, PE, with our Ketchum Office if you require additional information or have any questions at (208) 726-4729. Please address all future correspondence to him at our Ketchum Office as well.

Sincerely;



David A. Richards, PE

R:\SDSKPROJ\5659\Wpdocs\5659IDWR-ltr2-031805.doc

680 2<sup>ND</sup> AVENUE NORTH • P.O. BOX 425 • KETCHUM, IDAHO 83340 • TELEPHONE (208) 726-4729 • FAX (208) 726-4783  
317 N. RIVER STREET • HAILEY, IDAHO • TELEPHONE (208) 788-1705 • FAX (208) 788-4612