



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED
JAN 12 2004

Department of Water Resources
Southern Region

November 26, 2003

Mr. Corey Skinner
Idaho Department of Water Resources
1341 Fillmore Street, Suite 200
Twin Falls, ID 83301

Re: Diamond A Livestock transfer application
Project No. 663-01-2003

Dear Corey:

I am responding to your letter dated November 18, 2003.

Enclosed is a revised aerial photo map showing the location of the proposed storage pond in the NW1/4 NE1/4 Section 27, T. 1 N., R. 12 E. The pond will be located in a flat area northeast of Chimney Creek. Construction of the pond will employ a typical cut-and-fill approach, in which material dug from the pond will be used to form the southeast and southwest embankments. The northeast side of the pond will be against the mountains and no embankment will be necessary. My clients understand the concept of hydraulic height as it pertains to IDWR Dam Safety regulations. They intend to construct the pond with a hydraulic height of less than 10 feet.

With regard to the issue of mitigation for the storage pond, the applicant has decided that the site will likely not accommodate a pond any larger than approximately 9.0 acre-feet. This is less than the "24-hour storage" allowed by IDWR for irrigation storage ponds (the total diversion rate under all rights is 4.6 cfs, which equates to 9.1 acre-feet over a 24-hour period). Therefore, the storage component of this transfer application is not necessary, and I am re-submitting Part 1 of the application with this portion omitted. **Please note the corrected mailing address on the application.**

Note on the revised transfer application that two new points of diversion are being listed in NW1/4 NE1/4 Section 27. This is necessary because there are actually two streams from two separate drainages flowing parallel to each other at this point, and the new diversion will be made above the point of the confluence between the two. You can see this on the aerial photo.

Without the requirement to mitigate for storage evaporation or fill, the acreage allowed would be equal to the historical irrigation of 257.3 acres. The

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

RECEIVED
JAN 12 2004
Department of Water Resources
Southern Region

purposes of the transfer are now 1) to add a point of diversion and 2) create a PPU with an allowable acreage based on historical irrigation.

In our telephone conversation last week, you mentioned a possible rectification problem with the 1987 infrared aerial photo in this vicinity. In comparing the rectified photo with the USGS quadrangle map, it seems that the actual location of some of the roads and property lines do not coincide with 40 lines, which makes it appear that there is a rectification problem. For example, the west $\frac{1}{4}$ corner of Section 35 actually lies southeast of the road intersection. Chimney Creek road runs northward from that point and lies slightly west of the west boundary of Section 35. The "jeep trail" shown on the quad and photo actually lies slightly north of the quarter line in the center of Section 34. All of these features appear to be accurately depicted on the 1987 photo, and I believe the photo is accurately rectified. If your review indicates something different, let's sit down with the photo and see if we can figure it out.

If you have any questions, please do not hesitate to call.

Cordially,


Charles G. Brockway, P.E.

Enc.: Revised Part 1
Revised aerial photo map

cc: Jay Faulkner