

**Terrace Irrigation Company, Inc.
P.O. Box 109
Monte Vista, CO 81144
719-852-5638**

February 10, 2022

Rachel Pittinger, PE
Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203
rachel.pittinger@state.co.us

**Re: Alamosa River Water Delivery Improvement Project – Final Report
CWCB Grant Number POGG1/CTGG1#:202000003056**

Dear Ms. Pittinger:

The Alamosa River Water Delivery Improvement Project is 100% complete, and the final pay request has been submitted. Matching funds from the Alamosa/La Jara Water Conservancy District and the Terrace Irrigation Company were received at the beginning of the project and were used proportionately to pay invoices during the project construction. WSRF Grant funds were used to pay 66% of the total project cost, and the Alamosa/La Jara Water Conservancy District and Terrace Irrigation Company paid 34% of the total cost.

The design for the Main head-gate was obtained from Pete Gallegos, Natural Resources Conservation Consulting. The Telemetry for the Alamosa River Diversions was originally bid as stilling wells with Sutron SDR recorders. After consultation with Mat Gavin, DWR Lead Hydrographer, it was decided that Vega Radar Sensor Telemetry which measures the water directly thereby providing better data, would be more reliable, more cost efficient and more economical relative to long term maintenance. This more modern telemetry was more cost efficient allowing an additional unit to be installed.

The telemetry equipment arrived in the late fall of 2020 and was installed by Mackey Construction, L.L.C., during the winter and early spring of 2021. The Lead Hydrographer, Jesse Jaminet from the Division 3 DWR office worked with the folks from Mackey Construction to be sure the existing flumes were in adequate condition for the Radar Sensors to work correctly. Existing manual staffs were left in place so that water users could still reference those

measurements if they so desired. The telemetry worked well throughout the irrigation season.

The construction on the Main Head-gate was scheduled to start on December 1st as soon as the instream flow deliveries were complete, but the start-up was delayed and progress was slow on the project due to delayed shipping, COVID illness and quarantines with the contractors' employees. However, the new cement head-gate structure on the Main Canal, and automated gates on the Main and the Creek Canals were complete just in time to start delivering water at the beginning of the irrigation season.

All meetings with the contractors and the DWR personal were conducted out-doors on-site because of COVID concerns. The construction progress was monitored on a daily basis by our Terrace Irrigation Company Superintendent, Lynn Coleman. Terrace Board members met on-site with the contractors to monitor progress and discuss details of the project. After some settling of the riprap around the Main head-gate and the new parshall flume on the Main, the Board requested that the contractor provide additional fill. Robbins Construction provided the additional riprap at no additional cost as it was necessary for the functionality of the head-gate and flume.

The contractor wanted to observe the high and low levels of the river as it approached the Main head-gate in order to determine the angle and level to install the trash skimmer and limit switches. Those final items along with the final telemetry unit were completed this winter after the river water was turned off.

Submitted by,

A handwritten signature in cursive script, appearing to read "Virginia Christensen".

Virginia Christensen

Terrace Irrigation Company

Attachments: Pictures, Tables