Roy Fazzi – Washout Pipeline

New Multi Trina Irrigation Company

Roy Fazzi

938 Owens Drive

SILT, CO 81652

July 27, 2020

State of Colorado
Colorado Water Conservation Board
Department of Natural Resources
Attn: Craig Godbout, Project Manager
Craig.Godbout@state.co.us
Denver, Colorado, 80203

RE: Final Report WSRF Grant – **POGG1 2020-3103** – Fazzi Washout Pipeline
Approved March 30, 2020
Colorado River Basin Round Table

Mr. Craig Godbout, Project Manager and Dori Vigil, Program Assistant II,

We would like to thank you and the staff of the Colorado Water Conservation Board for your assistance and financial funding of our project. The Roy Fazzi – Washout Pipeline project has been completed. The project includes the design and installation of 908 feet of 30 inch HDPE pipe, 935 feet of 12 inch PIP pipe, 17.2 cubic yards of concrete inlet box structure and a concrete outlet structure along with the designed valves, drains, vents and gates. The work was designed and supervised by USDA Natural Resources Conservation Service (NRCS) in the Glenwood Springs, CO field office.

Task 1 – Engineering:
Engineering and design of this project was completed late fall and winter of 2019 and the spring of 2020. All design sheets and standards have been submitted to the Colorado Water Conservation Board during the application process.
The design of the pipelines and concrete boxes was competed by the NRCS office by Mike Kishimoto and Gabe Lucero, Area Engineer from Grand Junction Co.

Task 2 – Construction of Structures:

The forming and pouring of concrete for this structure was completed in the spring of 2020 and completed after the frost was out of the ground. Construction of the concrete boxes started March 20, 2020 and was completed April 12, 2020. 17.2 cubic yards of concrete was used in construction of the two structures, along with needed trash racks, gates and other valves.

The structure was designed by NRCS and installed to their standards and specifications in a professional and timely manner.

Task 3 – Purchase and install 1000 ft of 36 inch HDPE pipe:

Pipe was ordered to be able to have it manufactured, delivered and ready for installation prior to the start of the 2020 irrigation season. The 30 inch HDPE pipe was installed during the spring of 2020. The trench was excavated to grade and checked by NRCS to insure proper installation. This included the remove of vegetation, rock, and the completion of a smooth bed to lay the pipe on. Pipe was then installed and covered to the standards and specifications. A total of 908 feet of this pipe was installed. The installation of this pipeline will significantly reduce soil erosion, loss of water and reduce the high maintenance cost of this segment of the ditch.

Task 4 – Purchase and install 12 inch PVC pipe:

Pipe was ordered to be able to have it manufactured, delivered and ready for installation prior to the start of the 2020 irrigation season. The 10 inch HDPE pipe was installed during the period of March 20 and April 14 of 2020.

The 12 inch 80 PSI PVC pipe was installed along with risers and valves to properly distribute water to the Fazzi's field. This field pipeline will improve irrigation water management and improve the uniform application of water to this field.

Task 5 – Final Grading and Reclamation of Disturbances:

Final earth moving and grading was completed after all pipe and concrete was installed. The area of disturbance was smoothed and graded for reclamation of the site. The final graded area and reclamation area of approximately 4 acres was has been prepared for mulching and seeding, to be completed in the fall of 2020 when the heat is less and seeding conditions have improved. Fencing was installed to keep livestock off the area while vegetation is being established. All of this work was completed between July 1, 2020 through July 21, 2020 (except seeding).

Task 6 – Preparation of paper work and final report:

This final report and attachments are the fulfillment of Task 6.

The project has been completed and the structure is running water for delivery to Fazzi's hay fields and to the other water users on down ditch.

The project will serve to significantly reduce water loss in the ditch and reduce erosion in the ditch conveyance system. It will also reduce the amount of sediments washing down ditch, thus reducing ditch cleaning time and expense.

Again, this effort would not have been possible without the assistance of the Colorado Water Conservation Board and staff.

Roy Fazzi, Land Owner
Doug Button, President of
Multi Trina Irrigation Company

CC:
Doug Button, President, Multi Trina Ditch Company
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Dennis Davidson
Garfieldag@hotmail.com
Attachments:

A - Engineering Certification Co. Eng. 12 with as build information
B - Invoices for work

FAZZI WASHOUT PIPELINE - MULTI TRINA IRRIGATION COMPANY

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FAZZI WASHOUT PIPELINE 2020

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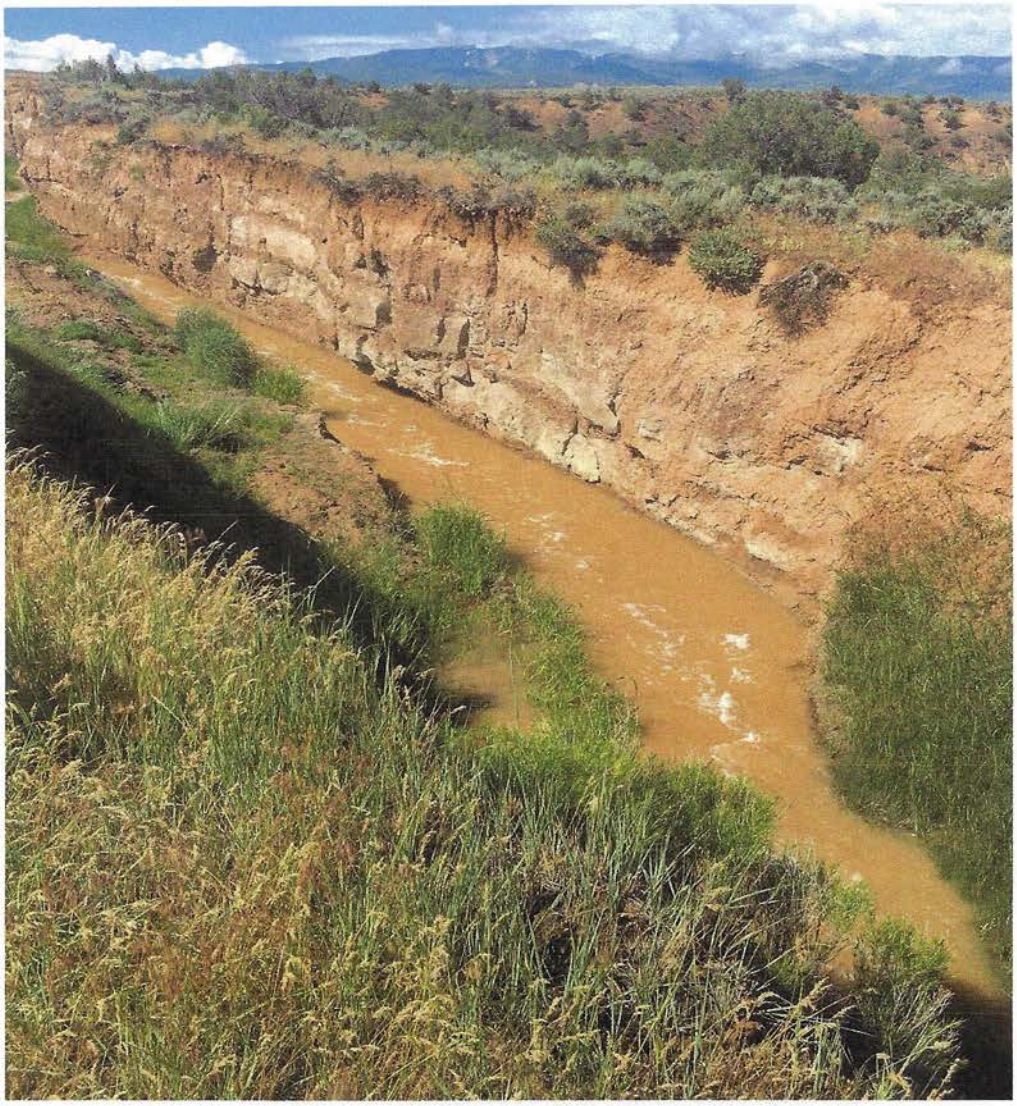
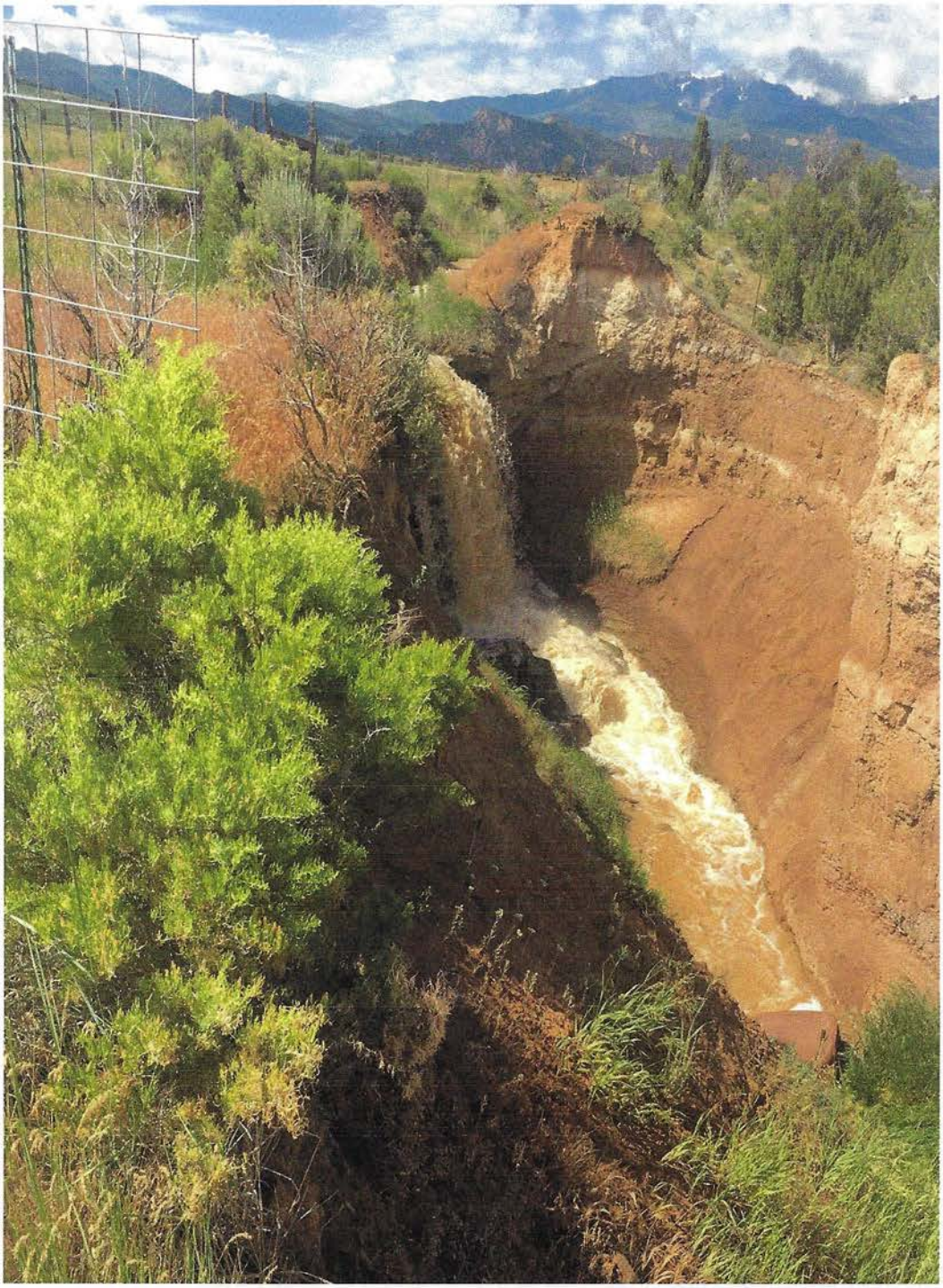


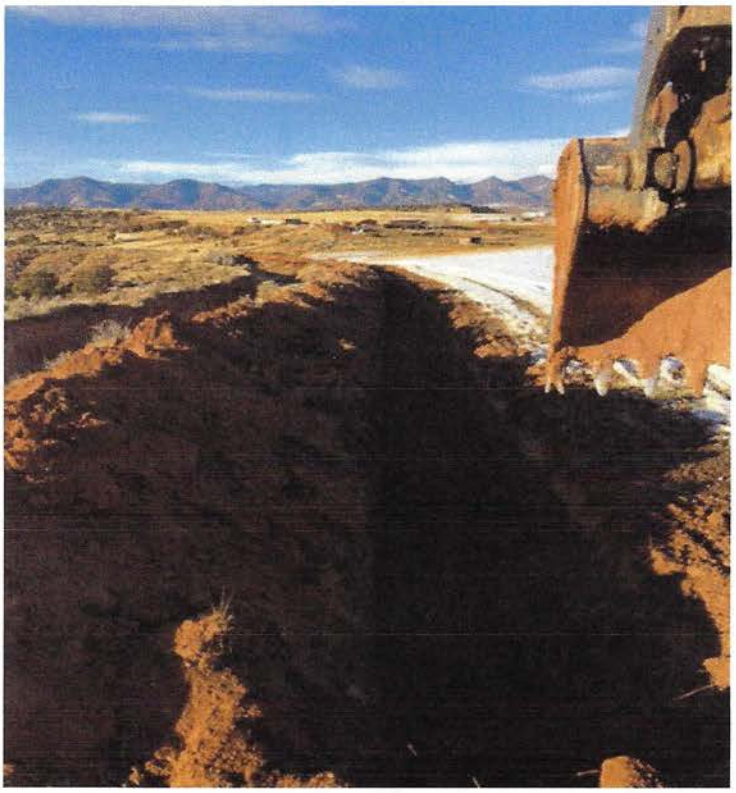
Fazzi Washout Before Restoration

Erosion and irrigation down cutting over 100 years



Water fall and erosion at a hard rock ledge in the Multi Trina Ditch.

Showing down cutting of the ditch bottom.

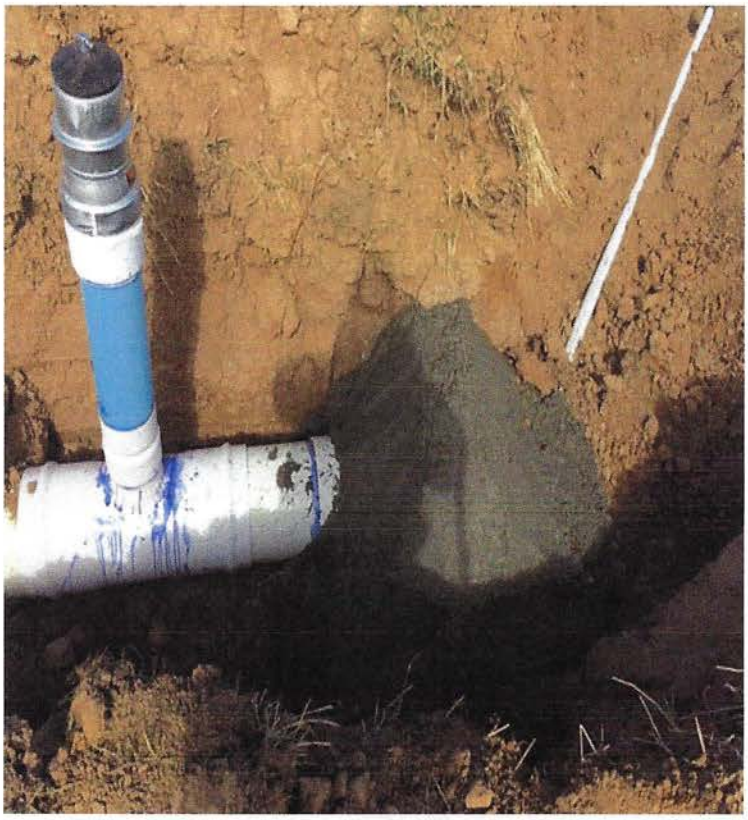


Trenching for the installation of the two pipes, one for Fazzi's fields and one for the main Multi Trina Ditch.

New inlet structure at the beginning of the pipeline, one side is for the main ditch, the other for Fazzi's fields.

Installation of the two pipes, one HDPE the other PVC - PIP

The two pipelines entering the outlet structure shown before forming and all rebar installed



Irrigation riser to be used in irrigation of fields.

Forming and installing rebar for the inlet structure.

Looking upstream at the finished inlet structure.

Inlet to Fazzi irrigation pipeline with measuring device and screen for cleaning.

Completed outlet structure.

Completed grading and shaping for mulching and seeding,

providing vegetative cover and growth.

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