

MISSOURI HEIGHTS – MOUNTAIN MEADOW IRRIGATION COMPANY

P O Box 548

Carbondale, CO 81623

November 27, 2017

State of Colorado
Colorado Water Conservation Board
Department of Natural Resources
Attn.: Dori Vigil, Program Assistant II
Denver, Colorado, 80203

RE: Final Report WSRF Grant – POGG1 2018-447 – Ditch Lining Phase 3

Dear Ms. Vigil,

Thank you and the staff of the Colorado Water Conservation Board for your assistance and financial funding of our project. The Missouri Heights – Mountain Meadow Irrigation Company has completed the lining of 5750 feet of open ditch with plastic pipe. This project includes the associated concrete structure that go along with the pipe installation. The project was designed, and installation was supervised by USDA, Natural Resources Conservation Service (NRCS) personnel in the Glenwood Springs, CO field office.

Field construction work started after the irrigation season and work needed to be completed before the ground had frost. Task 1 of Mobilization needed to start during the first week of September to enable the project to be completed this fall and be ready for spring irrigation season.

This project pipeline is long and required that tasks 3 and 4 were completed simultaneously along different segments of the project.

The final task 4 of work began November 7, 2017 including the last of pipe installation, finished grading and shaping and reclamation of the disturbance which included seeding and mulching. This included a concrete division box know as the "Panorama Box".

TASK 1 – Mobilization

Delivery of need excavators, dozers, backhoes, pipe, mulching material and seed to finalize the project. The materials were delivered just prior to their need on the project site.

TASK 2 – Earthwork

Earth moving was completed in segments as the pipeline installation progressed through the ditch. This included the remove of vegetation, rock, and the completion of a smooth bed to lay the pipe on.

TASK 3 – Concrete Inlet Structures

Three concrete structures were complete for this project including inlet and cleaning structure, and division structures. All structures were designed by NRCS and installed to their standards and specifications in a professional and timely manner.

TASK 4 – Final installation of the pipe, concrete structure, final grading and reclamation

The final task included the installation of the last segment of pipe, the division structure, and all final grading and reclamation work. The reclamation area amounted to about 7 acres of mulching and seeding.

A total of 5750 feet of pipeline installed was. 860 feet is corrugated ADS pipe and the remaining 4890 feet is welded HDPE.

This project will serve to reduce water loss in the ditch conveyance system. This segment alone was losing as much as 7 cfs due to seepage. Saving this amount of water will allow water stored in the reservoir to provide another irrigation for most of the acres served by this lateral.

Again, Thanks to the Colorado Water Conservation Board and Staff.

Leslie Lewis, Treasure

Missouri Heights - Mountain Meadow Irrigation Company

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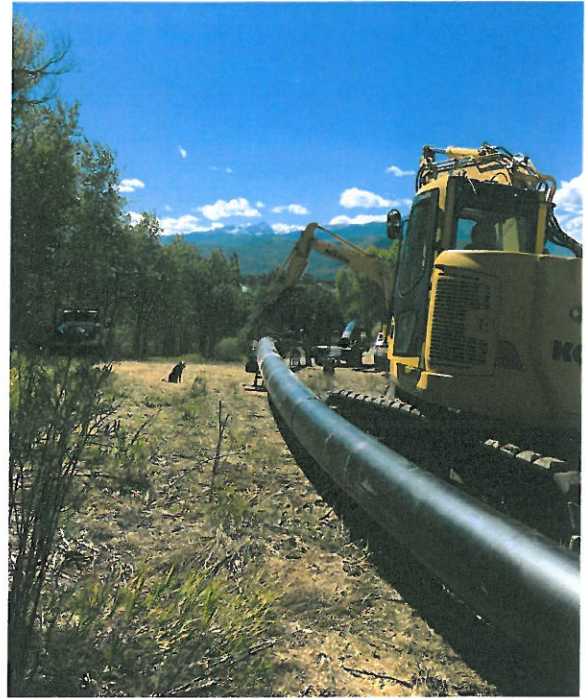
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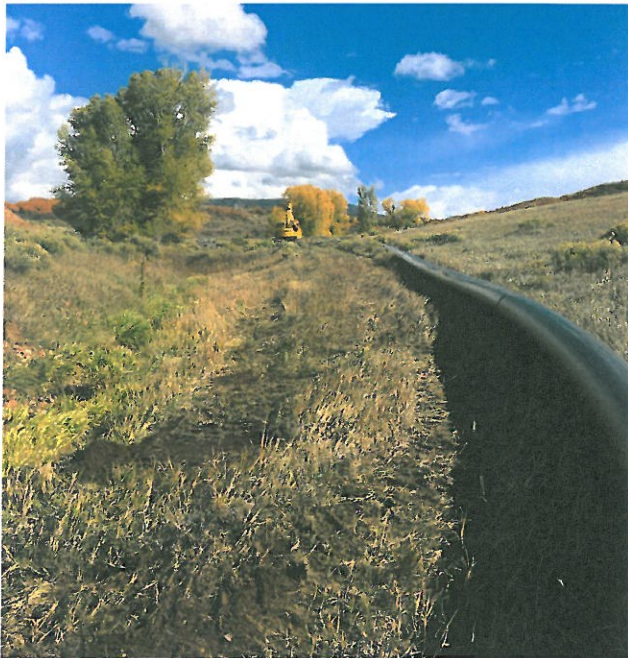
PHOTOS OF PROJECT



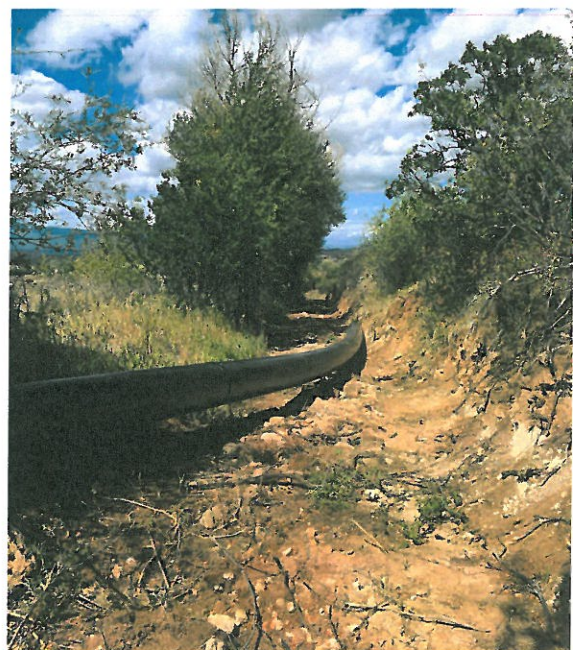
Welding sections of HDPE pipe together prior to pulling it into trench for covering.



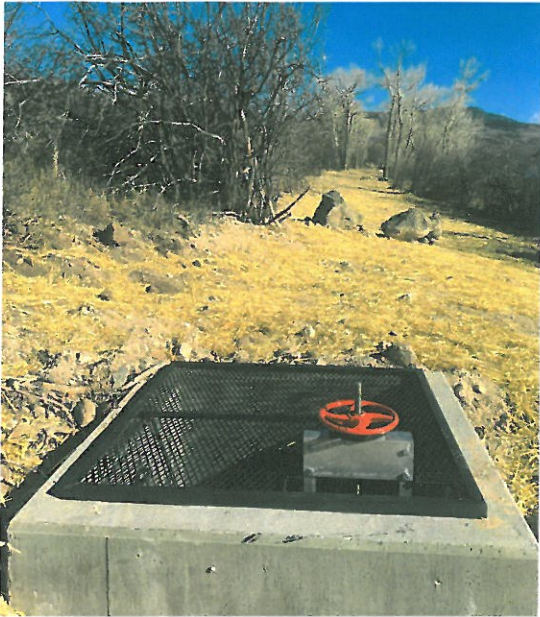
Welded HDPE pipe being moved into final position.



HDPE pipe welded and waiting for trenching and covering.



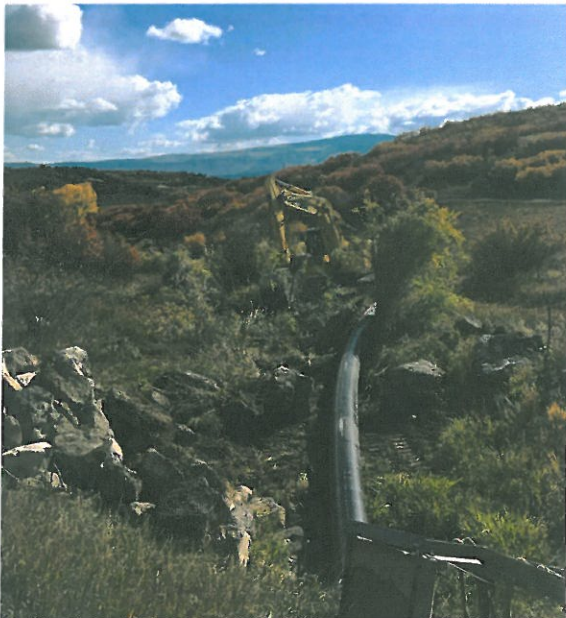
Welded pipe being pulled and bedded in graded, smoothed old ditch.



Concrete diversion structure to send water to another lateral.



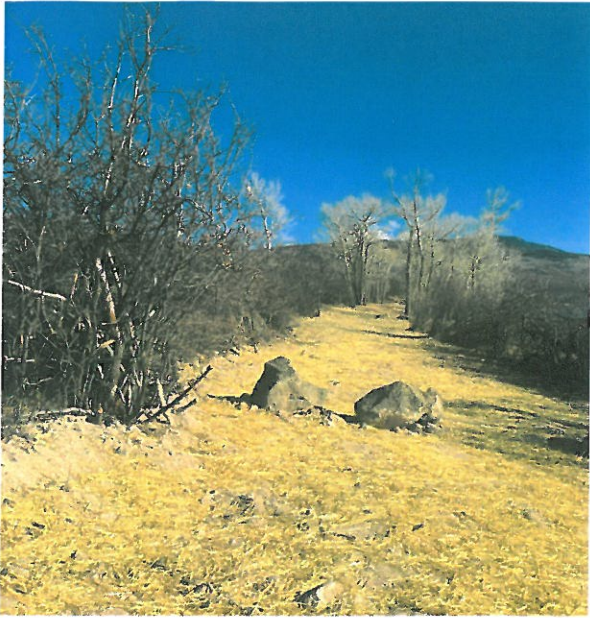
Welding HDPE pipe in the steeper and rockier terrain.



Pipe being placed through one of the steep and rocky sections of the project.



Final grading and shaping, seeding and mulching of pipeline in steep rocky section.



Final grading and shaping, mulching and seeding through a typical segment of the pipeline.

WSRA GRANT - INVOICE TRACKING SUMMARY BY TASK

POGG1/CTGG1 #: 2018-447

PROJECT NAME: Missouri Heights - Mt. Meadow Ditch

CWCB PROJECT MANAGER:

PHONE:

EMAIL:

GRANTEE NAME: Missouri Heights - Mt. Meadow Irrigation Company

ADDRESS: P O Box 548 Carbondale, CO 81623

CONTACT: Gay Lewis

PHONE: Home 970 963 3652 Cell 970 379 6856

EMAIL:G. Lewis <gaylord.lewis@gmail.com>

			WSRF BUDGET ONLY	TASK 1 BUDGET \$	TASK 2 BUDGET \$	TASK 3 BUDGET \$	TASK 4 BUDGET \$	TASK 5 BUDGET \$
DATE:	INVOICE #	Description of Services:	\$ 40,000.00			\$ -	40000	-
11/7/2017	1884	Final installation of pipeline.		\$ -	\$ -	\$ -	\$ 54,510.00	
		Backfilling of pipeline and structure. Final grading and smoothing for						
		reclamation seeding and mulching.						
		finish concrete work on division box.						
Total Billed			\$ -	\$ -	\$ -	\$ -	\$ 54,510.00	\$ -
Balance of Task Budget			\$ 40,000.00	#VALUE!	#VALUE!	#REF!	\$ (54,510.00)	\$ -

PROVIDED PDF BACK UP DETAIL OF EXPENSES IN DATE ORDER FOR AUDIT PURPOSES.

NOTE: This spreadsheet is intended to track your cumulative expenses as they occur for each invoice for grant funding only.

Insert your allocated budget in the task column and draw down from the remitted invoice(s). Please provide an updated file with each invoice(s) request along with the supporting details specifying the amount invoiced on each back-up invoice.



**ENVIRONMENTAL
EXCAVATION**

Date	Invoice #
11/7/2017	1884

MHMMIC
PO Box 548
Carbondale, CO 81623

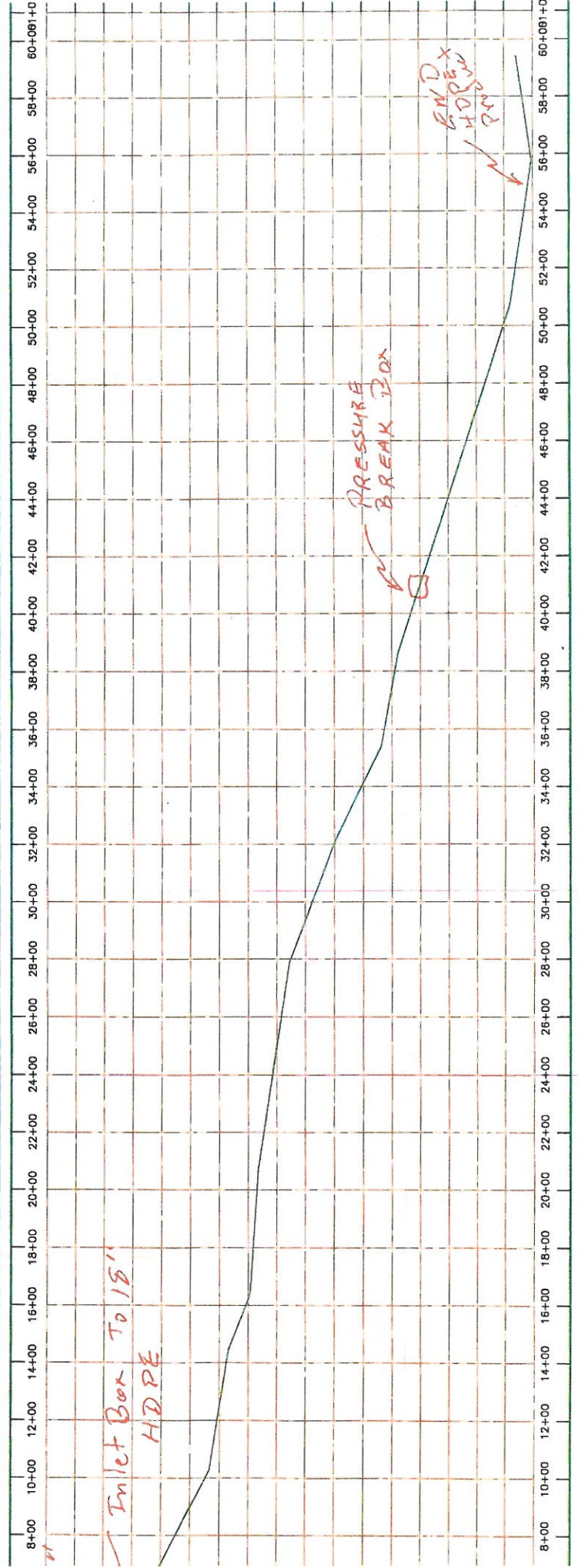
Environmental Excavation LLC
PO Box 1737
Carbondale, CO 81623

Date	Item	Description	Amount
8/2/2017	Excavation /Trucking	Original Bid for Excavation and installation of Pipe in 5500 ft of the Highline Ditch Lateral which includes: mobilization, Trucking, Material Haul, Brush removal and mulching, rock screening, rock removal, Trenching, concrete work, reclamation, and Labor--Bid does not include pipe!	148,680.00
8/15/2017	Excavation /Trucking	Payment #1--mobilization of all necessary equipment required to proceed with work	-49,560.00
9/8/2017	Excavation /Trucking	Payment #2--clearing, grading, shaping pipeline route, includes fusing of pipe, digging of trench, removal of rocks, trees etc. Trucking of materials.	-49,560.00
11/7/2017	Excavation /Trucking	Payment #3--Due at end of project--construction of concrete structures, installation of pipe, complete finish grade, reclamation and seeding, and final inspection.	0.00
10/16/2017	Excavation /Trucking	Extra Concrete work on Panorama Reserve Box	4,950.00
THIS INVOICE DOES NOT INCLUDE PIPE!			

Commercial Applicator #07262--Thank you for your business!

970-985-5322 eepeterblake@gmail.com

Total \$54,510.00



Missouri Heights-Mountain Meadow Phase C

