

November 17, 2015

Craig Godbout
Program Manager
Colorado Water Conservation Board
Water Supply Planning Section
1313 Sherman Street, Suite 718
Denver, CO 80203

Re: PDAA 2500 WSRA 2015 Waterline Extension Project
Order Number: POGG1 PDAA 20150000000000000288
Southwest Basin

Dear Craig,

On October 8, 2015, the Town of Mountain Village conducted a final walk-through of the 2015 Waterline Extension Project. A final punchlist was created, and the items on the punchlist have since been completed to the Town's satisfaction. October 8 was established as the "Date of Final Completion of the Project".

Per the original grant application, the 13,805 linear feet of 10 and 12-inch waterline was installed connecting the Town's Wapiti and San Juan Water Tanks. Total construction costs for the project came in at \$1,429,259.20 after the final change order.

Per this request, please release the entire \$30,000 of Basin Funds per the above-referenced contract to the Mountain Village for reimbursement. Attached please find a detailed report on the project. Please feel free to call me with questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Finn Kjome".

Finn Kjome
Public Works Director

FINAL REPORT

Colorado Water Conservation Board
PDAA 2500 WSRA Town of Mountain Village
2015 Waterline Extension Project
Order Number: POGG1 PDAA 2015000000000000288
Southwest River Basin

Prepared by Bill Frownfelter, Russell Planning and Engineering, Inc.

Background - The Town of Mountain Village provides potable water to an area of approximately 3.3 square miles and a population of 1,320 people. The Town's existing water supply is sufficient to meet potable water demands. However, recent water modeling has demonstrated that fire flows in the western portion of the Town are marginal in fighting a large structural fire, particularly one encompassing more than one home or a wildfire. The overall objective of the 2015 Waterline Extension Project (project) was to increase reliability and redundancy of the Town's water system, particularly to meet emergency water demand needs in the western portion of the Town.

The finished project connects two existing water storage tanks via a new 13,805-foot long, 10-inch diameter waterline. The higher tank, the Wapiti Tank, is located at a base elevation of 10,810 feet. It is supplied by a wells drilled in the San Miguel River alluvium and is considered to be the Town's most reliable water supply, with a storage volume of 2.2 million gallons. Before the project was completed, water from the Wapiti Tank had to travel through the length of the entire water system to supply water to the western portion of the Town. The lower tank, the San Joaquin Tank, is located at a base elevation of 10,525 feet and is fed by mountain wells. It provides water to the system through the western half of the Town. The new 10-inch diameter waterline extension now feeds the San Joaquin Tank directly from the Wapiti Tank, allowing the Wapiti Tank to provide water directly, and more reliably, to the western half of the Town, resulting in a steady, longer term flow in an emergency situation.

Design and bidding – Design and preparation of bid documents was completed by Russell Planning and Engineering, Inc. (RPE) during the winter of 2014- 2015. Bids were opened on April 7, 2015. Three bids were received (see Exhibit A) and a contract was executed with the low bidder, Williams Construction in the amount of \$1,465,919.00. The contract was signed for less than the bid amount because several items were removed from the Contract so that San Miguel Power and the Telluride Ski Area could enter into separate agreements with Williams to complete other electrical conduit/snowmaking work to be completed at the same time the main project was done.

Project Construction – A pre-construction meeting was held May 14, 2015, a Notice to Proceed was issued on June 1, 2015, and the contractor began staging materials on the site the week of June 15. The contractor initially strung pipe out along the proposed pipeline route and then excavated the trench setting the fused pipe in the trench and backfilling. The project involved all open trench excavation with the exception of 150 of pipe bore which was done to avoid open cutting a trench through wetlands in the center of the project.

Overall the project went extremely smoothly. On October 8, 2015, the Town of Mountain Village conducted a final walk-through of the 2015 Waterline Extension Project. A final punch list was created,

and the items on the punch list have since been completed to the Town's satisfaction. October 8 was established as the "Date of Final Completion of the Project". Final payment for Pay Request #5 was made on October 30, 2015. The contractor's bond will cover the one year warranty period.

A final pay request (Number 5) and associated "final change order" are attached to this report as Exhibits B and C. Additionally pictures with a description attached to each are included as Exhibit D.

EXHIBIT A FINAL REPORT

TOWN OF MOUNTAIN VILLAGE 2015 WATERLINE EXTENSION PROJECT BID COMPARISON April 7, 2015

				Telluride Gravel		Williams		Redpoint		
ITEM DESCRIPTION			UNIT	QUANTITY	UNIT COST	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT
General										
101	Mobilization	Lump Sum	1	\$146,868.00	\$146,868.00	\$69,000.00	\$69,000.00	\$99,900.00	\$99,900.00	
102	Construction Staking/Surveying	Lump Sum	1	\$19,829.00	\$19,829.00	\$30,888.00	\$30,888.00	\$35,000.00	\$35,000.00	
103	Traffic Control	Lump Sum	1	\$7,015.00	\$7,015.00	\$16,853.00	\$16,853.00	\$9,000.00	\$9,000.00	
104	Trail Detours/Relocation	Lump Sum	1	\$12,451.00	\$12,451.00	\$2,970.00	\$2,970.00	\$26,000.00	\$26,000.00	
105a	Erosion Control/Stormwater Management (Pre-Construction and During Construction)	Lump Sum	1	\$18,898.00	\$18,898.00	\$29,700.00	\$29,700.00	\$45,000.00	\$45,000.00	
105b	Erosion Control/Stormwater Management and Vegetation Establishment (Post Construction)	Lump Sum	1	\$30,620.00	\$30,620.00	\$34,515.00	\$34,515.00	\$37,000.00	\$37,000.00	
106	Record Drawings	Lump Sum	1	\$1,164.00	\$1,164.00	\$6,534.00	\$6,534.00	\$4,500.00	\$4,500.00	
Civil										
201a	Connection to Existing Water Storage Tank (Wapiti)	Each	1	\$23,831.00	\$23,831.00	\$29,846.00	\$29,846.00	\$22,000.00	\$22,000.00	
201b	Connection to Existing Water Storage Tank (San Joaquin)	Each	1	\$17,726.00	\$17,726.00	\$33,053.00	\$33,053.00	\$18,000.00	\$18,000.00	
202	Abandon existing 8 inch outlet pipe into Wapiti Tank	Each	1	\$2,554.00	\$2,554.00	\$1,129.00	\$1,129.00	\$900.00	\$900.00	
203	10-inch Welded HDPE Waterline in Trench	Lineal Feet	6,600	\$43.00	\$283,800.00	\$34.50	\$227,700.00	\$49.00	\$323,400.00	
204	12-inch Welded HDPE Waterline in Trench	Lineal Feet	85	\$95.00	\$8,075.00	\$73.00	\$6,205.00	\$66.00	\$5,610.00	
205	10-inch welded HDPE Pipe Boring Under Wetlands	Lineal Feet	78	\$177.00	\$13,806.00	\$112.00	\$8,736.00	\$412.00	\$32,136.00	
206	Recycled Glass Bedding for HDPE Waterline (alternate add-on/cost credit)	Lineal Feet	6,685	\$3.00	\$0.00	\$4.50	\$0.00	\$1.00	\$0.00	
207a	8-inch Waterline Gate Valve on DIP	Each	2	\$1,847.00	\$3,694.00	\$2,493.00	\$4,986.00	\$2,725.00	\$5,450.00	
207b	10-inch Waterline Gate Valve on HDPE Pipe	Each	14	\$3,431.00	\$48,034.00	\$4,054.00	\$56,756.00	\$3,075.00	\$43,050.00	
207c	12-inch Waterline Gate Valve on HDPE Pipe	Each	2	\$3,678.00	\$7,356.00	\$4,362.00	\$8,724.00	\$2,385.00	\$4,770.00	
208	12-inch to 8-inch Waterline Reducer on HDPE Pipe	Each	1	\$373.00	\$373.00	\$823.00	\$823.00	\$1,225.00	\$1,225.00	
209a	8-inch x 8-inch x 8-inch Tee	Each	1	\$730.00	\$730.00	\$951.00	\$951.00	\$2,000.00	\$2,000.00	
209b	10-inch x10-inch X 8-inch Tee	Each	1	\$909.00	\$909.00	\$1,134.00	\$1,134.00	\$1,650.00	\$1,650.00	
209c	12-inch x 12-inch x 8-inch Tee	Each	1	\$947.00	\$947.00	\$1,174.00	\$1,174.00	\$2,925.00	\$2,925.00	
209d	12-inch x 12-inch x 10-inch Tee	Each	1	\$1,115.00	\$1,115.00	\$1,343.00	\$1,343.00	\$550.00	\$550.00	
210	10-inch HDPE Horizontal Bend	Each	1	\$680.00	\$680.00	\$704.00	\$704.00	\$1,050.00	\$1,050.00	
211	Coring Existing Vault and Sealing Around Pipes and Conduits	LS	1	\$2,012.00	\$2,012.00	\$5,051.00	\$5,051.00	\$750.00	\$750.00	
212	Flowmeter Installation on 12-inch HDPE Pipe (Wapiti Tank)	Each	1	\$18,005.00	\$18,005.00	\$20,179.00	\$20,179.00	\$17,150.00	\$17,150.00	
213	PRV Vault on 10-inch HDPE Line	LS	1	\$61,921.00	\$61,921.00	\$70,395.00	\$70,395.00	\$78,000.00	\$78,000.00	
214	High Pressure Air and Vacuum Release Valve in Manhole	Each	2	\$5,477.00	\$10,954.00	\$5,161.00	\$10,322.00	\$3,600.00	\$7,200.00	
215	Air and Vacuum Release Valve in Manhole	Each	2	\$4,921.00	\$9,842.00	\$4,595.00	\$9,190.00	\$3,750.00	\$7,500.00	
216	Installation of Conduit	LS	1	\$652.00	\$652.00	\$1,723.00	\$1,723.00	\$700.00	\$700.00	
217a	Transformer/Pull Box Pad Installation	Each	2	\$952.00	\$1,904.00	\$1,564.00	\$3,128.00	\$1,050.00	\$2,100.00	
217b	Lower Transformer Conduit Sweep	Each	1	\$673.00	\$673.00	\$970.00	\$970.00	\$200.00	\$200.00	

**TOWN OF MOUNTAIN VILLAGE
2015 WATERLINE EXTENSION PROJECT
BID COMPARISON
April 7, 2015**

ITEM DESCRIPTION		UNIT	QUANTITY	Telluride Gravel		Williams		Redpoint	
				UNIT COST	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT
301	10-inch Welded Steel Waterline in Trench	Lineal Feet	7,000	\$88.00	\$616,000.00	\$87.00	\$609,000.00	\$90.00	\$630,000.00
302	10-inch Welded Steel Waterline in Road Crossing Trench	Lineal Feet	39	\$293.00	\$11,427.00	\$317.00	\$12,363.00	\$220.00	\$8,580.00
303	12-inch Welded Steel Waterline in Trench	Lineal Feet	30	\$157.00	\$4,710.00	\$126.00	\$3,780.00	\$107.00	\$3,210.00
304	Installation of 8-inch Steel Snowmaking Line in Trench with Waterline	Lineal Feet	1,300	\$24.00	\$31,200.00	\$74.00	\$96,200.00	\$45.00	\$58,500.00
305	Installation of Electrical Conduit in Trench with Waterline	Lineal Feet	1,850	\$5.30	\$9,805.00	\$14.00	\$25,900.00	\$10.00	\$18,500.00
306	Installation of Electrical Conduit in Separate Trench	Lineal Feet	120	\$16.00	\$1,920.00	\$19.00	\$2,280.00	\$32.00	\$3,840.00
307	10-inch Gate Valve on Steel Pipe	Each	9	\$4,029.00	\$36,261.00	\$4,434.00	\$39,906.00	\$1,850.00	\$16,650.00
308	10-inch Steel Pipe Horizontal Bend	Each	28	\$608.00	\$17,024.00	\$644.00	\$18,032.00	\$700.00	\$19,600.00
309	10-inch Steel Pipe Vertical Bend	Each	8	\$608.00	\$4,864.00	\$673.00	\$5,384.00	\$700.00	\$5,600.00
310	10-inch x 10-inch x 10-inch Steel Tee with Stub Out	Each	1	\$5,143.00	\$5,143.00	\$5,425.00	\$5,425.00	\$5,900.00	\$5,900.00
311	Insulated Culvert Crossing	Each	1	\$2,250.00	\$2,250.00	\$3,143.00	\$3,143.00	\$5,200.00	\$5,200.00
312	10-inch Welded Steel Boring Under San Joaquin Road	Lineal Feet	50	\$349.00	\$0.00			\$335.00	\$0.00
313	10-inch Welded Steel Boring Under Stonegate Drive	Lineal Feet	250	\$279.00	\$0.00			\$430.00	\$0.00
401	Muck Excavation – Water Trench	Cubic Yard	150	\$51.00	\$7,650.00	\$38.00	\$5,700.00	\$19.00	\$2,850.00
402	Fill for Unsuitable Material	Cubic Yard	150	\$89.00	\$13,350.00	\$35.50	\$5,325.00	\$21.00	\$3,150.00
403	Stabilization Geofabric	Square Feet	3,600	\$0.20	\$720.00	\$1.00	\$3,600.00	\$0.50	\$1,800.00
404	Dewatering	Lineal Feet	1,200	\$8.10	\$9,720.00	\$5.75	\$6,900.00	\$29.00	\$34,800.00
405a	Rock Excavation (hammering)	Cubic Yard	1,000	\$69.00	\$69,000.00	\$45.00	\$45,000.00	\$70.00	\$70,000.00
405b	Rock Excavation (blasting)	Cubic Yard	150	\$91.00	\$13,650.00	\$90.00	\$13,500.00	\$110.00	\$16,500.00
				TOTAL COST	\$ 1,611,132.00	TOTAL COST	\$ 1,596,120.00	TOTAL COST	\$1,739,396.00

Bid alternates removed from scope

Minor discrepancy in bid form (difference < \$10)

SMPA Project addition - not included in Town contract

TelSKi Project addition - not included in Town contract

\$14,954.00

\$34,001.00

\$25,340.00

\$31,200.00

\$96,200.00

\$58,500.00

TOTAL COST TO TOWN OF MOUNTAIN VILLAGE:

\$ 1,564,978.00

\$ 1,465,919.00

\$ 1,655,556.00

EXHIBIT B
FINAL REPORT
Final Pay Request

To(OWNER): Town of Mountain Village
455 Mountain Village Blvd
Ste A
Mountain Village, CO 81435
From: Williams Construction
P.O. Box 704
35550 County Road 40.00
Norwood, CO 81423
(970) 327-4218

Project: 2015 Waterline Extension - TMV
06/15/15

Via(Architect/
Engineer)

Application No: 5
Invoice No: 32587
Invoice Date: 10/30/2015
Terms: Net 30
Due Date: 11/29/2015
Period To: 10/30/2015
Project No: 15-007
Contract Date:

Page 1

For:

Original Contract sum.....	1,465,919.00
Change Orders.....	18,985.70
Contract sum.....	1,484,904.70
Completed to date.....	1,429,259.20
Retainage.....	0.00
Total earned less retainage.....	1,429,259.20 ✓
Previous billings.....	1,305,625.56
Current payment due.....	123,633.64
Sales tax.....	0.00
Total due.....	123,633.64

✓ - 36,659 ⁸⁰ WIF *REC*
1,429,259 ²⁰ WIF *REC*

APPROVED

To(OWNER): Town of Mountain Village
 455 Mountain Village Blvd
 Ste A
 Mountain Village, CO 81435
 From: Williams Construction
 P.O. Box 704
 35550 County Road 40.00
 Norwood, CO 81423
 (970) 327-4218

Project: 2015 Waterline Extension - TMV
 06/15/15

Via(Architect/
 Engineer)

Application No: 5
 Invoice No: 32587
 Invoice Date: 10/30/2015
 Terms: Net 30
 Due Date: 11/29/2015
 Period To: 10/30/2015
 Project No: 15-007
 Contract Date:

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For:

<u>No.</u>	<u>Description</u>	<u>Total Quantity</u>	<u>Unit</u>	<u>Cost</u>	<u>Total Cost</u>	<u>Completed Units</u>	<u>Current Value</u>	<u>Prior Value</u>	<u>Due This Request</u>
311	Insulated Culvert Crossing	1	EA	3,143.00	3,143.00	1	3,143.00	3,143.00	0.00
401	Muck Excavation, water trench	150	CY	38.00	5,700.00	0	0.00	0.00	0.00
402	Fill for unsuitable materials	150	CY	35.50	5,325.00	0	0.00	0.00	0.00
403	Stabilization Geofabric	3,600	SF	1.00	3,600.00	0	0.00	0.00	0.00
404	Dewatering	1,200	LF	5.75	6,900.00	474	2,725.50	2,725.50	0.00
405A	Rock Excavation (hammering)	1,000	CY	45.00	45,000.00	210	9,450.00	9,450.00	0.00
405B	Rock Excavation (blasting)	150	CY	90.00	13,500.00	0	0.00	0.00	0.00
CO2.CO2	10" High Pressure Valves	5	ea	3,797.14	18,985.70	5	18,985.70	18,985.70	0.00
				<u>1,484,904.70</u>		<u>1,429,259.20</u>		<u>1,408,011.12</u>	<u>21,248.08</u>

To(OWNER): Town of Mountain Village
455 Mountain Village Blvd
Ste A
Mountain Village, CO 81435
From: Williams Construction
P.O. Box 704
35550 County Road 40.00
Norwood, CO 81423
(970) 327-4218

Project: 2015 Waterline Extension - TMV
06/15/15

Via(Architect/
Engineer)

Application No: 5
Invoice No: 32587
Invoice Date: 10/30/2015
Terms: Net 30
Due Date: 11/29/2015
Period To: 10/30/2015
Project No: 15-007
Contract Date:

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For:

No.	Description	Total Quantity	Unit	Cost	Total Cost	Completed Units	Current Value	Prior Value	Due This Request
101	Mobilization	1	LS	69,000.00	69,000.00	1	69,000.00	63,480.00	5,520.00
102	Const Staking/Survey	1	LS	30,888.00	30,888.00	1	30,888.00	28,416.96	2,471.04
103	Traffic Control	1	LS	16,853.00	16,853.00	1	16,853.00	15,504.76	1,348.24
104	Trail Detours / Relocation	1	LS	2,970.00	2,970.00	1	2,970.00	2,732.40	237.60
105	Erosion Control (Precons/Durin	1	LS	29,700.00	29,700.00	1	29,700.00	27,324.00	2,376.00
105B	Erosion Cont/post const	1	LS	34,515.00	34,515.00	1	34,515.00	31,753.80	2,761.20
106	Record Drawings	1	LS	6,534.00	6,534.00	1	6,534.00	0.00	6,534.00
201A	Connect exist storage tank Wap	1	EA	29,846.00	29,846.00	1	29,846.00	29,846.00	0.00
201B	Connect exist storage San Joaq	1	EA	33,053.00	33,053.00	1	33,053.00	33,053.00	0.00
202	Abandon exist 8" outlet pipe W	1	EA	1,129.00	1,129.00	1	1,129.00	1,129.00	0.00
203	10" Weld HDPE line in trench	6,600	LF	34.50	227,700.00	6,720	231,840.00	231,840.00	0.00
204	12" Weld HDPE line in trench	85	LF	73.00	6,205.00	85	6,205.00	6,205.00	0.00
205	10" HDPE pipe boring wetlands	78	LF	112.00	8,736.00	150	16,800.00	16,800.00	0.00
207A	8" Waterline gate valve on DIP	2	EA	2,493.00	4,986.00	2	4,986.00	4,986.00	0.00
207B	10" Waterline gate valve HDPE	14	EA	4,054.00	56,756.00	14	56,756.00	56,756.00	0.00
207C	12" Waterline gate valve HDPE	2	EA	4,362.00	8,724.00	2	8,724.00	8,724.00	0.00
208	12"-8" waterline reducer HDPE	1	EA	823.00	823.00	1	823.00	823.00	0.00
209A	8"x8"x8" Tee	1	EA	951.00	951.00	1	951.00	951.00	0.00
209B	10"x10"x8" Tee	1	EA	1,134.00	1,134.00	1	1,134.00	1,134.00	0.00
209C	12"x12"x8" Tee	1	EA	1,174.00	1,174.00	1	1,174.00	1,174.00	0.00
209D	12"x12"x10" Tee	1	EA	1,343.00	1,343.00	1	1,343.00	1,343.00	0.00
210	10" HDPE Horizontal Bend	1	EA	704.00	704.00	1	704.00	704.00	0.00
211	Core Exist vault,sealing pipes	1	LS	5,051.00	5,051.00	1	5,051.00	5,051.00	0.00
212	Flowmeter install 12" HDPE	1	EA	20,179.00	20,179.00	1	20,179.00	20,179.00	0.00
213	PRV Vul 10" HDPE Line	1	LS	70,395.00	70,395.00	1	70,395.00	70,395.00	0.00
214	High Press air/vac releave m/h	2	EA	5,161.00	10,322.00	2	10,322.00	10,322.00	0.00
215	Air/Vacuum relese valve MH	2	EA	4,595.00	9,190.00	2	9,190.00	9,190.00	0.00
301	10" Weld steel h2oline in tren	7,000	LF	87.00	609,000.00	7,000	609,000.00	609,000.00	0.00
302	10" weld waterline rd cross tr	39	LF	317.00	12,363.00	39	12,363.00	12,363.00	0.00
303	12" Weld waterline in trench	30	LF	126.00	3,780.00	30	3,780.00	3,780.00	0.00
307	10" gate valve in steel pipe	9	EA	4,434.00	39,906.00	9	39,906.00	39,906.00	0.00
308	10" steel pipe horizontal bend	28	EA	644.00	18,032.00	28	18,032.00	18,032.00	0.00
309	10" steel pipe vertical bend	8	EA	673.00	5,384.00	8	5,384.00	5,384.00	0.00
310	10"x10"x10" Stee tee w/stubout	1	EA	5,425.00	5,425.00	1	5,425.00	5,425.00	0.00

EXHIBIT C
FINAL REPORT
Final Change Order

CHANGE ORDER #3
Town of Mountain Village, 2015 Waterline Extension Project

Project: 2015 Waterline Extension Project	Owner: Town of Mountain Village
Date of issuance: 10-29-2015	Effective Date: 10-29-2015

This change order is to amend the Contract for final quantities for completion of the work.

Description: Items which have had their quantities modified are shown on Attachment A.

Purpose of the Change Order: Modification of quantities to coincide with what was actually installed in the field per the direction of the Town of Mountain Village Public Works Department. Modified item quantities for this change order include:

Item 203 10-inch Welded HDPE Waterline in Trench – Quantity increased slightly due to small modifications in routing.
Item 205 10-inch welded HDPE Pipe Boring Under Wetlands – In order to avoid wetlands, more length added to boring.
Item 401 Muck Excavation – Water Trench – No muck excavation was necessary.
Item 402 Fill for Unsuitable Material – None was necessary for replacement of unsuitable material
Item 403 Stabilization Geofabric – No geofabric was necessary.
Item 404 Dewatering – Only 474 linear feet of dewatering was necessary.
Item 405a Rock Excavation (hammering) – Only 210 feet of rock excavation via hammering was necessary.
Item 405b Rock Excavation (blasting) - No rock excavation via blasting was necessary.

Original Contract Price	\$ 1,626,202.50
Net change by previous Change Orders	- \$ 141,297.80
Contract Sum prior to this Contract Modification	\$ 1,484,904.70
Contract Sum will decrease (per itemization attached)	- \$ 55,645.50
New Contract Sum including this Contract Modification	\$ 1,429,259.20

There shall be no change in the Date of Substantial Completion due to this Change Order.

Recommended:

William Frownfelter
Engineer

By: W Frownfelter
(Authorization signature)

Accepted:

William Construction
Contractor

By: William Construction
(Authorization signature)

Accepted:

Kim Montgomery

Owner

By:

[Signature]
(Authorization signature)

Attachment A

Change Order #3, Town of Mountain Village 2015 Waterline Extension Project

BID				Change Order #1			Change Order #2			Change Order #3				
ITEM#	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	ADDITIONAL QUANTITY	REVISED TOTAL AMT	REVISED COST	ADDITIONAL QUANTITY	REVISED TOTAL AMT	REVISED COST	ADDITIONAL QUANTITY	FINAL QUANTITY	FINAL COST
101	Mobilization	ls	1	\$69,000.00	\$69,000.00		1	\$69,000.00		1	\$69,000.00		1	\$69,000.00
102	Construction Staking/Surveying	ls	1	\$30,888.00	\$30,888.00		1	\$30,888.00		1	\$30,888.00		1	\$30,888.00
103	Traffic Control	ls	1	\$16,853.00	\$16,853.00		1	\$16,853.00		1	\$16,853.00		1	\$16,853.00
104	Trail Detours/Relocation	ls	1	\$2,970.00	\$2,970.00		1	\$2,970.00		1	\$2,970.00		1	\$2,970.00
105a	Erosion Control/Stormwater Management (Pre-Con)	ls	1	\$29,700.00	\$29,700.00		1	\$29,700.00		1	\$29,700.00		1	\$29,700.00
105b	Erosion Control/Stormwater Management (Post Con)	ls	1	\$34,515.00	\$34,515.00		1	\$34,515.00		1	\$34,515.00		1	\$34,515.00
106	Record Drawings	ls	1	\$6,534.00	\$6,534.00		1	\$6,534.00		1	\$6,534.00		1	\$6,534.00
201a	Connection to Existing Water Storage Tank (Wapiti)	EA	1	\$29,846.00	\$29,846.00		1	\$29,846.00		1	\$29,846.00		1	\$29,846.00
201b	Connection to Existing Water Storage Tank (San Joaquin)	EA	1	\$33,053.00	\$33,053.00		1	\$33,053.00		1	\$33,053.00		1	\$33,053.00
202	Abandon existing 8 inch outlet pipe into Wapiti Tank	EA	1	\$1,129.00	\$1,129.00		1	\$1,129.00		1	\$1,129.00		1	\$1,129.00
203	10-inch Welded HDPE Waterline in Trench	LF	6,600	\$34.50	\$227,700.00		6,600	\$227,700.00		6,600	\$227,700.00		6,600	\$227,700.00
204	12-inch Welded HDPE Waterline in Trench	LF	85	\$73.00	\$6,205.00		85	\$6,205.00		85	\$6,205.00		85	\$6,205.00
205	10-inch welded HDPE Pipe Boring Under Wetlands	LF	78	\$112.00	\$8,736.00		78	\$8,736.00		78	\$8,736.00		78	\$8,736.00
206	Recycled Glass Bedding for HDPE Waterline	LF	6,685	\$4.50	\$30,082.50	-6,685.0	0	\$0.00		0	\$0.00		0	\$0.00
207a	8-inch Waterline Gate Valve on DIP	EA	2	\$2,493.00	\$4,986.00		2	\$4,986.00		2	\$4,986.00		2	\$4,986.00
207b	10-inch Waterline Gate Valve on HDPE Pipe	EA	14	\$4,054.00	\$56,756.00		14	\$56,756.00		14	\$56,756.00		14	\$56,756.00
207c	12-inch Waterline Gate Valve on HDPE Pipe	EA	2	\$4,362.00	\$8,724.00		2	\$8,724.00		2	\$8,724.00		2	\$8,724.00
208	12-inch to 8-inch Waterline Reducer on HDPE Pipe	EA	1	\$823.00	\$823.00		1	\$823.00		1	\$823.00		1	\$823.00
209a	8-inch x 8-inch x 8-inch Tee	EA	1	\$951.00	\$951.00		1	\$951.00		1	\$951.00		1	\$951.00
209b	10-inch x10-inch X 8-inch Tee	EA	1	\$1,134.00	\$1,134.00		1	\$1,134.00		1	\$1,134.00		1	\$1,134.00
209c	12-inch x 12-inch x 8-inch Tee	EA	1	\$1,174.00	\$1,174.00		1	\$1,174.00		1	\$1,174.00		1	\$1,174.00
209d	12-inch x 12-inch x 10-inch Tee	EA	1	\$1,343.00	\$1,343.00		1	\$1,343.00		1	\$1,343.00		1	\$1,343.00
210	10-inch HDPE Horizontal Bend	EA	1	\$704.00	\$704.00		1	\$704.00		1	\$704.00		1	\$704.00
211	Coring Existing Vault and Sealing Around Pipes and Conduits	LS	1	\$5,051.00	\$5,051.00		1	\$5,051.00		1	\$5,051.00		1	\$5,051.00
212	Flowmeter Installation on 12-inch HDPE Pipe (Wapiti Tank)	EA	1	\$20,179.00	\$20,179.00		1	\$20,179.00		1	\$20,179.00		1	\$20,179.00
213	PRV Vault on 10-inch HDPE Line	LS	1	\$70,395.00	\$70,395.00		1	\$70,395.00		1	\$70,395.00		1	\$70,395.00
214	High Pressure Air and Vacuum Release Valve in Manhole	EA	2	\$5,161.00	\$10,322.00		2	\$10,322.00		2	\$10,322.00		2	\$10,322.00
215	Air and Vacuum Release Valve in Manhole	EA	2	\$4,595.00	\$9,190.00		2	\$9,190.00		2	\$9,190.00		2	\$9,190.00
216	Installation of Conduit	LS	1	\$1,723.00	\$1,723.00	-1.0	0	\$0.00		0	\$0.00		0	\$0.00
217a	Transformer/Pull Box Pad Installation	EA	2	\$1,564.00	\$3,128.00	-2.0	0	\$0.00		0	\$0.00		0	\$0.00
217b	Lower Transformer Conduit Sweep	EA	1	\$970.00	\$970.00	-1.0	0	\$0.00		0	\$0.00		0	\$0.00
301	10-inch Welded Steel Waterline in Trench	LF	7,000	\$87.00	\$609,000.00		7,000	\$609,000.00		7,000	\$609,000.00		7,000	\$609,000.00
302	10-inch Welded Steel Waterline in Road Crossing Trench	LF	39	\$317.00	\$12,363.00		39	\$12,363.00		39	\$12,363.00		39	\$12,363.00
303	12-inch Welded Steel Waterline in Trench	LF	30	\$126.00	\$3,780.00		30	\$3,780.00		30	\$3,780.00		30	\$3,780.00
304	Installation of 8-inch Steel Snowmaking Line in Trench with	LF	1,300	\$74.00	\$96,200.00	-1,300.0	0	\$0.00		0	\$0.00		0	\$0.00
305	Installation of Electrical Conduit In Trench with Waterline	LF	1,850	\$14.00	\$25,900.00	-1,850.0	0	\$0.00		0	\$0.00		0	\$0.00
306	Installation of Electrical Conduit in Separate Trench	LF	120	\$19.00	\$2,280.00	-120.0	0	\$0.00		0	\$0.00		0	\$0.00
307	10-inch Gate Valve on Steel Pipe	EA	9	\$4,434.00	\$39,906.00		9	\$39,906.00		9	\$39,906.00		9	\$39,906.00
308	10-inch Steel Pipe Horizontal Bend	EA	28	\$644.00	\$18,032.00		28	\$18,032.00		28	\$18,032.00		28	\$18,032.00
309	10-inch Steel Pipe Vertical Bend	EA	8	\$673.00	\$5,384.00		8	\$5,384.00		8	\$5,384.00		8	\$5,384.00
310	10-inch x 10-inch x 10-inch Steel Tee with Stub Out	EA	1	\$5,425.00	\$5,425.00		1	\$5,425.00		1	\$5,425.00		1	\$5,425.00
311	Insulated Culvert Crossing	EA	1	\$3,143.00	\$3,143.00		1	\$3,143.00		1	\$3,143.00		1	\$3,143.00

Attachment A															
Change Order #3, Town of Mountain Village 2015 Waterline Extension Project															
ITEM#	ITEM DESCRIPTION	BID				Change Order #1			Change Order #2			Change Order #3			
		UNIT	QUANTITY	UNIT COST	TOTAL COST	ADDITIONAL QUANTITY	REVISED TOTAL AMT	REVISED COST	ADDITIONAL QUANTITY	REVISED TOTAL AMT	REVISED COST	ADDITIONAL QUANTITY	FINAL QUANTITY	FINAL COST	
312	10-inch Welded Steel Boring Under San Joaquin Road	LF	50		\$0.00	-50.0	0	\$0.00							
313	10-inch Welded Steel Boring Under Stonegate Drive	LF	250		\$0.00	-250.0	0	\$0.00		0	\$0.00		0	\$0.00	
401	Muck Excavation – Water Trench	CY	150	\$38.00	\$5,700.00		150	\$5,700.00		0	\$0.00		0	\$0.00	
402	Fill for Unsellable Material	CY	150	\$35.50	\$5,325.00		150	\$5,325.00		150	\$5,700.00		0	\$0.00	
403	Stabilization Geofabric	SF	3,600	\$1.00	\$3,600.00		3,600	\$3,600.00		150	\$9,325.00		0	\$0.00	
404	Dewatering	LF	1,200	\$5.75	\$8,900.00		1,200	\$6,900.00		3,600	\$3,600.00		0	\$0.00	
405a	Rock Excavation (hammering)	CY	1,000	\$45.00	\$45,000.00		1,000	\$45,000.00		1,200	\$6,900.00		474	\$2,725.50	
405b	Rock Excavation (blasting)	CY	150	\$90.00	\$13,500.00		150	\$13,500.00		1,000	\$45,000.00		210	\$9,450.00	
	Change Order #2 - High Pressure Valves	EA	5	\$3,797.14						150	\$13,500.00		0	\$0.00	
									5.0	5	\$18,985.70		5	\$18,985.70	
	TOTAL CONTRACT				\$, 628,202.50			\$1,465,919.00			\$1,464,904.70			\$1,429,259.20	

[illegible]

EXHIBIT D

PROJECT PHOTOS



**High Density
Polyethylene Pipe
(HDPE) Staging**

June 15, 2015

Trenching and pipe installation

July 20, 2015



Trench Backfilling

July 20, 2015





Trench Backfilling with Tracer Wire

July 20, 2015



Steel Pipe for High Pressure Sections of the Project

August 4, 2015

Installation of Flow Metering at Wapiti Tanks Connection

September 21, 2015



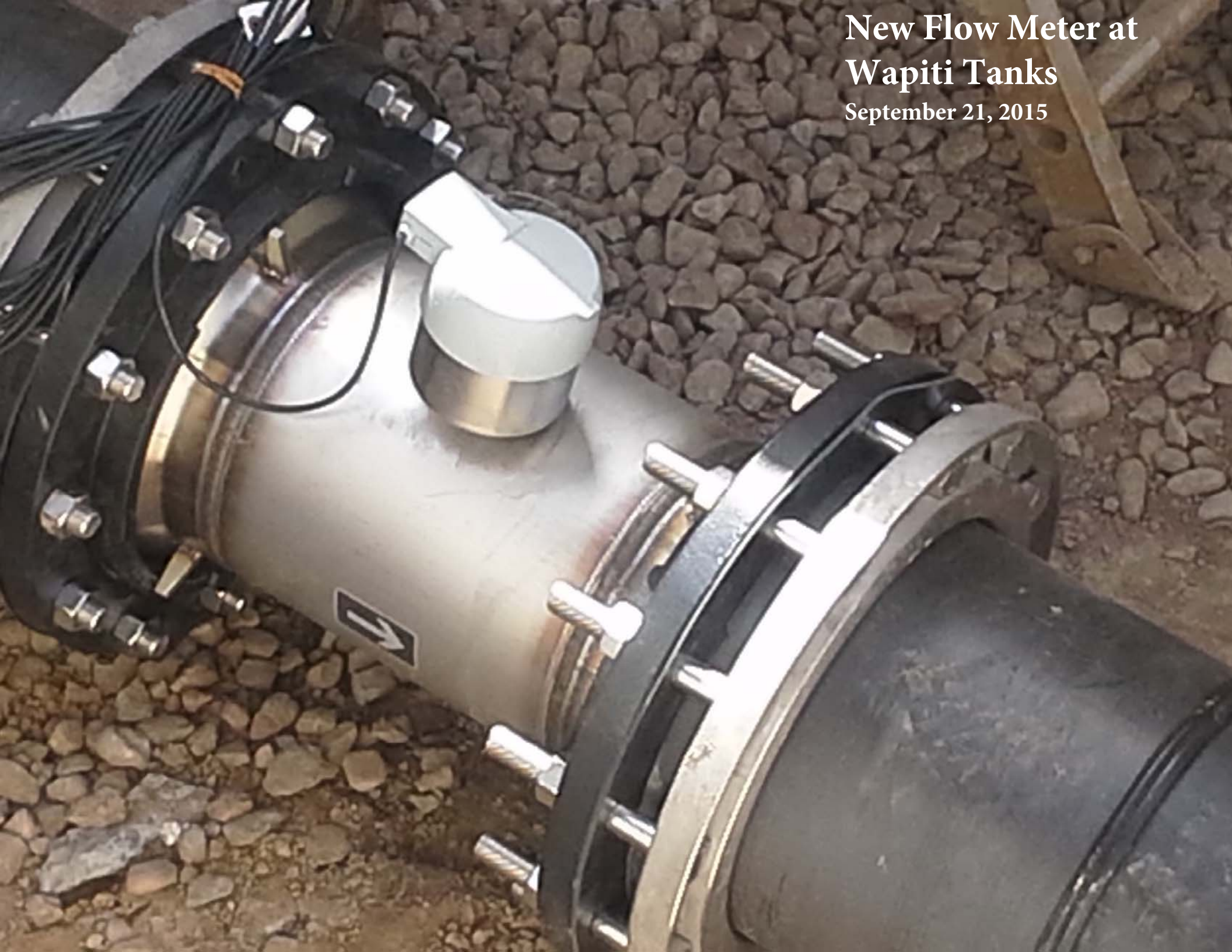
Installation of Flow Metering at Wapiti Tanks Connection

September 21, 2015



September 21, 2015

September 21, 2015





**Fusion Welded HDPE Tee
Below Flow Metering Vault
September 21, 2015**

HDPE Pipe Fusing Machine

July 23, 2015



Working in Tight Quarters Along the Ski Area Summer Road

July 13, 2015





Working in Tight Quarters
Along the Ski Area
Summer Road
July 13, 2015

Rock Excavation Along Boomerang Ski Run

July 23, 2015



Rock Wasting in a Separate Trench

September 21, 2015





Valve at the End of Boring
Under Wetland Near the
Bottom of Lift 5

August 4, 2015



San Joaquin Road Crossing

September 21, 2015

Installation of Pressure Reducing Vault (PRV) at San Joaquin Tank

September 29, 2015





**Installation of Pressure
Reducing Vault (PRV) at San
Joaquin Tank**
September 29, 2015



Revegetation Above Stonegate Drive

October 8, 2015



Revegetation on
Boomerang Ski Run
October 8, 2015