

RESOLUTION NO. R14-83

**A RESOLUTION AUTHORIZING THE MAYOR TO SIGN
CHANGE ORDER NO. 3 WITH WILLIAMS BROTHERS CONSTRUCTION
FOR THE WASTEWATER TREATMENT PLANT PROJECT CONSTITUTING
AN INCREASE OF \$28,438.35 FOR ADDITIONAL WORK.**

WHEREAS, the City Council of the City of Laurel previously authorized the Mayor to approve a contract with Williams Brothers Construction for the Wastewater Treatment Plant Upgrade Project through Resolution No. R13-38 on June 18, 2013; and

WHEREAS, the original contract price was \$6,369,000.00 to complete the project; and

WHEREAS, the City Council previously approved Change Order No. 1 to the contract with Williams Brothers Construction to reduce the cost of the project by \$4,528.85; and

WHEREAS, the City Council previously approved Change Order No. 2 to the contract with Williams Brothers Construction to increase the cost of the project by \$17, 264.42.

WHEREAS, additional work and compensation is required to finish the project as described in the attached Change Order; and

WHEREAS, Great West Engineering and City Staff reviewed Change Order No. 3 and determined that it was correct, reasonable and necessary to complete the project and recommend the Council's approval of the same.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Laurel, Montana, that the Mayor is authorized to sign Change Order No. 3 a copy of which is attached, to increase the contract amount by \$28,438.35 for a total contract price of \$6,410,173.92.

Introduced at a regular meeting of the City Council on November 18, 2014, by Council Member
Herr.

PASSED and APPROVED by the City Council of the City of Laurel this 18th day of November, 2014.

APPROVED by the Mayor this 18th day of November, 2014.

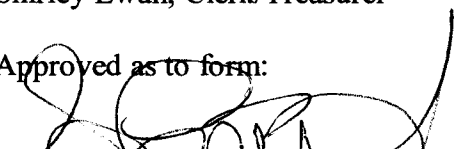
CITY OF LAUREL


Mark A. Mace, Mayor

ATTEST:


Shirley Ewan, Clerk/Treasurer

Approved as to form:


Sam S. Painter, Civil City Attorney

R14-83 CO#3 - WWTP Upgrade

Change Order

No. 3

Date of Issuance: November 5, 2014 Effective Date: _____

Project: WWTP Improvements – BNR Upgrade	Owner: City of Laurel, MT
Contract:	Date of Contract: July 7, 2013
Contractor: Williams Brother Construction LLC	Engineer's Project No.: 2-07128, TO 16

The Contract Documents are modified as follows upon execution of this Change Order:

See attached summary of changes to work.

Attachments (list documents supporting change):

Summary of changes to work and cost estimates for each change.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$ <u>6,369,000.00</u>	Original Contract Times: <input type="checkbox"/> Working days <input checked="" type="checkbox"/> Calendar days Substantial completion (date): <u>November 5, 2014</u> Ready for final payment (date): <u>February 3, 2015</u>
Increase from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : \$ <u>12,753.57</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : Substantial completion (days): <u>47</u> Ready for final payment (days): <u>0</u>
Contract Price prior to this Change Order: \$ <u>6,381,735.57</u>	Contract Times prior to this Change Order: Substantial completion (date): <u>December 22, 2014</u> Ready for final payment (date): <u>March 22, 2015</u>
Increase of this Change Order: \$ <u>28,438.35</u>	Increase of this Change Order: Substantial completion (days): <u>0</u> Ready for final payment (days): <u>60</u>
Contract Price incorporating this Change Order: \$ <u>6,410,173.92</u>	Contract Times with all approved Change Orders: Substantial completion (date): <u>December 22, 2014</u> Ready for final payment (date): <u>May 21, 2015</u>

RECOMMENDED: By: <u>[Signature]</u> Engineer (Authorized Signature) Date: <u>11/05/2014</u> Approved by Funding Agency (if applicable): _____	ACCEPTED: By: <u>[Signature]</u> Owner (Authorized Signature) Date: <u>11/18/2014</u>	ACCEPTED: By: <u>[Signature]</u> Contractor (Authorized Signature) Date: <u>11-6-14</u> Date: _____
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CHANGE ORDER No. 3 SUMMARY

Change to Work		Change to Contract Cost
3-A	The double door on the existing generator room needs to be replaced with a single, 3'0" egress door equipped with a panic bar to facilitate the installation of the new electrical switch gear and generator.	\$ 3,976.53
3-B	Following potholing of the plant yard piping, the existing water service line going to the digestors is 1½" PVC, other than the portion going into the building which is copper, and does not need to be replaced.	\$ (1,089.10)
3-C	The doors on the basin electrical building were not included in the door schedule on the architectural sheets, and therefore, were not included in the original bid.	\$ 6,420.30
3-D	The site grading plan was revised to incorporate input from City personnel and the Contractor, and the basin electrical building was relocated to facilitate conduit installation.	\$ (1,839.12)
3-E	After potholing, two 45° vertical bends had to be added to the 18" ML line going to the aerated channel flowing to the secondary clarifiers to eliminate conflicts with the RAS line and existing piping.	\$ 5,425.06
3-F	Based upon field discussions with the Contractor and Owner and as described in the response to RFI 13, the water heater in the thickener building (WH-2) was relocated to better facilitate the building's use.	\$ 1,537.38
3-G	The two power hoists in the thickener building require additional power beyond that shown in the plans.	\$ 5,350.41
3-H	The Contractor's subcontractor, Springline Construction, was delayed on the installation of the storm sewer outfall by the need to lower the gas line to the plant.	\$ 2,900.43
3-I	The effluent lines from the primary clarifiers were severely corroded, so the City requested they be replaced with PVC pipe until fully submerged to prevent corrosion of the new lines.	\$ 5,756.46
Subtotal: Change Order 3		\$ 28,438.35
Total Change Orders		\$ 41,173.92

LAUREL WWTP
Generator Room Door

BWC
Date: 6-2-14

Materials

Description		Unit	Quantity	Cost (NWP)
Hollow Metal Jamb, Door, and Hardware	\$1,972.00	LS	1	\$1,972.00

Labor

Description		Unit	Quantity	Cost
Saw cut and demo existing door - Carpenter	\$43.34	Hr	4	\$173.36
Install and Grout new door	\$43.34	Hr	7	\$303.38

Equipment

Description		Unit	Quantity	Cost
Concrete Saw	\$15.00	Hr	2	\$30.00

Sub- Contractors

Description		Unit	Quantity	Cost
Apex Masonry	\$720.00	LS	1	\$720.00
T&L Painting	\$200.00	LS	1	\$200.00

Subtotal				\$3,398.74
Markup				\$577.79
TOTAL				\$3,976.53



ARCHITECTURAL DOORS & HARDWARE, LLC

650 Central Avenue

Phone 406-259-6573

Billings, MT 59102

FAX 406-259-6358

Date: 05/29/2014

Estimator: Shawn Kelly

ATTN: Barry Curtis

****Quote****

- Price quote on one 3'0 x 7'0 RHR door and frame, 6-3/4" punched and dimpled with the following hardware- 1 ½ pair Hager BB1199NRP hinges, Corbin Russwin ED5200 x N957 exit device with cylinder(non stock), LCN 4040XP closer, Hager kick plate, weatherstrip and threshold.

Lead times on Corbin Russwin varies – will be acknowledged after order is placed.

Total \$ 1,972.00 FOB our dock

Prices good for 30 days

Freight not included

Painting by others

Install by others

Price does not include tax

If you have any questions or concerns, please call.

LAUREL WWTP

Delete new 1 1/2" Waterline to Digester-Replace 12' of Galv. Pipe

BWC

Date: 6-24-14

Materials

Description	Unit	Quantity	Cost (BWP)
Bedding	Yd	4	-\$29.80
1 1/2" type K copper Pipe	Lf	100	-\$1,980.00
1 1/2" Sch 80 PVC	Lf	12	\$27.36
1 1/2" 90	Ea	3	\$19.56
1 1/2" Tee	Ea	1	\$22.46
1 1/2" Reducer	Ea	1	\$7.86
1 1/2" Cplg.	Ea	3	\$27.42
1 1/2" Male Adpt	Ea	2	\$29.92
1 1/2" Rep Cplg.	Ea	1	\$13.96
1 1/2" Curb Stop & Box	Ea	1	\$432.48
1 1/2" Brass Ball Valve	Ea	1	\$144.66

Labor

Description	Unit	Quantity	Cost
Deduct 1 1/2" Waterline Replacement	Operator	8	-\$331.76
	Laborer	8	-\$275.68
Excavate 12', Core Drill Wall, Pipe, Grout Wall	Operator	10	\$414.70
	Laborer	10	\$344.60

Equipment

Description	Unit	Quantity	Cost
PC50 Komatsu Excavator	Hr.	8	-\$182.64
Plate Compactor	Hr.	4	-\$60.00
Excavate 12', Core Drill Wall, Pipe, Grout Wall	PC50 Komatsu Excavator	7	\$159.81
	Plate Compactor	6	\$90.00
	Core Drill	3	\$135.00

Subtotal

-\$990.09

Markup

-\$99.01

TOTAL

-\$1,089.10

LAUREL WWTP
Electrical Building Doors

BWC
Date: 8-8-14

Materials

Description	Unit	Quantity	Cost (NWP)
Hollow Metal Jamb, Door, and Hardware	LS	1	\$4,394.00

Labor

Description	Unit	Quantity	Cost
Install new doors and hardware	Hr	16	\$693.44

Equipment

Description	Unit	Quantity	Cost
	Hr	2	\$0.00

Sub- Contractors

Description	Unit	Quantity	Cost
T&L Painting	LS	1	\$0.00
	LS	1	\$400.00

Subtotal			\$5,487.44
Markup			\$932.86
TOTAL			\$6,420.30



KALMONT DISTRIBUTORS, INC.
2549 HIGHWAY TWO EAST
KALISPELL, MT 59901
PHONE (406) 257-2511 ~ FAX (406) 752 6474



August 5, 2014

Williams Brothers Construction
1035 Cerise Rd.
Billings, MT 59103
406-248-6695

Subject: WWTP BNR UPGRADE PROJECT CITY OF LAUREL MT RFI#28

Addendum: 0

Gentleman:

We are pleased to quote you on the following materials:

<u>SECTION</u>	<u>QNTY</u>	<u>ITEM</u>	<u>PRICE</u>
08100	2 EA	HOLLOW METAL DOOR, 16GA RK FLUSH	
	2 EA	HOLLOW METAL FRAME, 14GA RK WELDED	
08711	1 LOT	FINISH HARDWARE	
TOTAL:			\$4,394.00

- ❖ GLASS BY OTHERS
- ❖ MATERIAL SUPPLIED ONLY
- ❖ THIS QUOTATION GOOD FOR 60 DAYS
- ❖ F.O.B. FULL FREIGHT ALLOWED TO NEAREST SHIPPING POINT.

Thank you for the opportunity of making this quotation.

Sincerely,

Kim Nestegard,
Kalmont Distributors, Inc.
lkw

LAUREL WWTP

Site Changes

BWC

Date: 9-17-14

Site Item Deducts

36" Gutter Drain	\$4.00	sq ft	1017	-\$4,068.00
48" Gutter Drain	\$5.00	sq ft	928	-\$4,640.00
Retaining Wall Footing	\$250.00	yd	5.5	-\$1,375.00
Retaining Wall	\$400.00	yd	6	-\$2,400.00
Curb & Gutter	\$22.00	ft	272	-\$5,984.00
1" Overlay	\$6.50	sq yd	2865	-\$18,622.50

Site Items Addition

3" Asphalt	\$13.50	sq yd	1649	\$22,261.50
Grade and Compact @ new Asphalt	\$2.80	sq yd	1649	\$4,617.20
New Pads @ Drying Beds	\$8.00	sq ft	750	\$6,000.00
Concrete Approaches	\$5.00	sq ft	160	\$800.00
Sidewalk	\$4.00	sq ft	48	\$192.00
Lower Manhole	\$1,500.00	LS	1	\$1,500.00

Subtotal				-\$1,718.80
Markup				-\$120.32
TOTAL				-\$1,839.12

~~—Addition for Curb and Gutter and Pull out for Septic Station \$15,678.00~~

CO4

Notes:

1. City will provide area to dump asphalt removed from site.
2. City will till asphalt on existing plant road.
3. Revision will require 60 day extension and probable winter shutdown.
4. No work is included for proposed septic receiving station or associated site work.
5. Square yards included per quantities on sheet C-1, actual may vary.

LAUREL WWTP

Mixed Liquor

BWC

Date: 9-24-14

Materials

Materials				
18" DI Pipe	\$51.85	ft	18	\$933.30
18" 45deg bend	\$792.19	ea	2	\$1,584.38
Pipe bedding	\$7.45	yd	4	\$29.80
!8" Mega-lug w/ accessories	\$255.64	ea	4	\$1,022.56

Labor

Labor				
Superitendant	\$45.00	HR	2	\$90.00
Carpenter	\$43.32	HR	8	\$346.56
Operator	\$41.47	HR	4	\$165.88

Equipment

Equipment				
Komatsu 300 Excavator	\$116.08	HR	4	\$464.32

Sub- Contractors

Sub- Contractors				
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Subtotal				\$4,636.80
Markup				\$788.26
TOTAL				\$5,425.06

LAUREL WWTP
Relocate WH-2

BWC
Date: 9-8-14

Materials

Description	Unit	Quantity	Cost (NWP)
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Labor

Description	Unit	Quantity	Cost
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Equipment

Description	Unit	Quantity	Cost
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Sub- Contractors

Description	Unit	Quantity	Cost
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CEI			\$1,314.00	LS	1	\$1,314.00
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Subtotal						\$1,314.00
Markup						\$223.38
TOTAL						\$1,537.38

CEI
ELECTRICAL
CONTRACTORS

6131 Homestead Blvd PO Box 1934 Colstrip, MT 59323
 TEL: (406) 748-4048 FAX: (406) 748-3135
 ce@cei-online.com www.cei-online.com

2675 Overland Ave. Billings, MT 59102
 TEL: (406) 656-4365 FAX: (406) 656-4534

2401 S. Greely Hwy Cheyenne, WY 82003
 TEL: (307) 426-4258 FAX: (307) 426-4259

4105 S. Broadway Minot, ND 58701
 TEL: (701) 500-1007 FAX: (406) 748-3135

March 31, 2014

Williams Bros Construction

RE: Laurel WWTP – Relocate WH 2 per RFI 13

Attn: Barry Curtis

CEI would like to submit the following pricing change to relocate WH-2 per RFI 13 response.

Quote:

	Labor Hrs	Labor \$	Material	Equipment	Subtotal	MU	Totals
New Work	12.38	\$867	\$220	\$109	\$1,195	\$119	\$1,314
						Total	\$1,314

Notes:

- 1) Price is valid for 30 days.
- 2) Proposal is based off straight time rates.
- 3) Proposal may impact project duration.

If you have any further questions please call me at 406-656-4365.

Respectfully,



Wade Smith
 PM/Estimator

LAUREL WWTP
Hoist Power

BWC
Date: 9-8-14

Materials

Description	Unit	Quantity	Cost (NWP)
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Labor

Description	Unit	Quantity	Cost
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Equipment

Description	Unit	Quantity	Cost
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Sub- Contractors

Description	Unit	Quantity	Cost
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CEI		\$4,573.00	LS	1	\$4,573.00
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Subtotal					\$4,573.00
Markup					\$777.41
TOTAL					<u>\$5,350.41</u>

CEI
ELECTRICAL
CONTRACTORS

6131 Homestead Blvd
PO Box 1934
Colstrip, MT 59323
TEL: (406) 748-4048
FAX: (406) 748-3135
cej@cei-online.com
www.cei-online.com

647 S. 18th St W
Billings, MT 59102
TEL: (406) 656-4365
FAX: (406) 656-4534

2401 S. Greely Hwy
Cheyenne, WY 82003
TEL: (307) 426-4258
FAX: (307) 426-4259

4105 S. Broadway
Minot, ND 58701
TEL: (701) 500-1007
FAX: (406) 748-3135

October 7, 2014

Williams Bros Construction

RE: Laurel WWTP – CEI COR 13: Provide Hoist Power in Thickener

Attn: Barry Curtis

CEI would like to submit the following pricing change per your request:

Quote:

	Labor Hrs	Labor \$	Material	Equipment	Subtotal	MU	Totals
New Work	39.13	\$2,739	\$1,019	\$400	\$4,158	\$416	\$4,573
						Total	\$4,573

Notes:

- 1) Price is valid for 30 days.
- 2) Proposal is based off straight time rates.
- 3) Proposal may impact project duration.

If you have any further questions please call me at 406-656-4365.

Respectfully,



Wade Smith
PM/Estimator

LAUREL WWTP
Gas Line Delay at Storm Sewer

BWC
Date: 10-31-14

Materials

Description	Unit	Quantity	Cost (NWP)
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Labor

Description	Unit	Quantity	Cost
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Equipment

Description	Unit	Quantity	Cost
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Sub- Contractors

Description	Unit	Quantity	Cost
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Springline Construction		\$2,479.00	LS	1	\$2,479.00
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Subtotal					\$2,479.00
Markup					\$421.43
TOTAL					<u>\$2,900.43</u>

WBC-Laurel MWTP-Gas Line Conflict

Hourly Rate on Labor does not include Travel Expenses

*Operating Cost does not include Labor Costs

DAILY HOUR LOG

WORK BEGIN 8/21/14 WORK END 8/21/14

Classification	Monthly Rate	Hourly Rate	** Op. Cost	Hourly Rate Ext.	8/21/14	8/22/14	8/28/14	8/27/14	8/29/14	8/29/14	9/1/14	9/2/14	Total Hrs	Total
Operator	N/A	\$65.50	N/A	\$65.50	1.00	1.50	3.00						5.50	\$360.25
Laborer	N/A	\$48.50	N/A	\$48.50	1.00	1.50	3.00						5.50	\$314.88
Operator - 1.5 Times (Overtime)	N/A	\$85.35	N/A	\$85.35	2.00	3.00	6.00						11.00	\$533.50
Operator - 1.5 Times (Overtime)	N/A	\$77.00	N/A	\$77.00									0.00	\$ -
Laborer - 1.5 Times (Overtime)	N/A	\$65.25	N/A	\$65.25									0.00	\$ -
Excavator - C4 450 LC	\$13,850.00	\$96.56	\$79.24	\$165.80									0.00	\$ -
Excavator - C4 330 LC (options listed below)	\$11,291.14	\$75.44	\$70.57	\$135.24									0.00	\$ -
Excavator - C4 330 LC w/ Comp. Bucket	\$12,069.61	\$81.10	\$73.10	\$148.54									0.00	\$ -
Excavator - C4 330 LC w/ Comp. Bucket	\$12,986.14	\$90.41	\$81.08	\$161.49									0.00	\$ -
Excavator - K-dobon SK210 LC (options listed below)	\$7,427.65	\$46.42	\$43.10	\$89.52									0.00	\$ -
Excavator - K-dobon SK210 LC w/ Thump	\$7,637.65	\$47.74	\$42.12	\$89.86	1.00	1.50							2.50	\$232.00
Excavator - K-dobon SK210 LC w/ 5000# Hyd. Breaker	\$13,952.65	\$97.20	\$78.97	\$166.17									0.00	\$ -
Excavator - T-teluch TB 180FR (options listed below)	\$3,543.67	\$22.15	\$20.09	\$42.24									0.00	\$ -
Excavator - T-teluch TB 180FR w/ W Comp.	\$3,663.67	\$24.77	\$20.09	\$44.86									0.00	\$ -
Excavator - Case 80 (options listed below)	\$3,327.46	\$20.80	\$20.09	\$40.88			3.00						3.00	\$134.58
Excavator - Case 80 w/ W Comp.	\$3,147.45	\$23.42	\$20.09	\$43.51									0.00	\$ -
Excavator - Case 50	\$2,026.53	\$12.67	\$18.84	\$31.51									0.00	\$ -
Excavator - Case 35	\$1,756.85	\$10.99	\$17.55	\$29.93									0.00	\$ -
Grader - JD 872 w/Grade Control	\$9,428.96	\$27.73	\$39.69	\$91.41									0.00	\$ -
Dozer - JD 950 w/Ripper	\$13,975.00	\$82.66	\$72.82	\$131.58									0.00	\$ -
Dozer - JD 850 w/Ripper	\$9,385.00	\$58.66	\$48.85	\$91.41									0.00	\$ -
Wheel Loader - Case 721 (options listed below)	\$5,205.44	\$32.53	\$33.11	\$65.64	1.00	1.50							5.50	\$361.05
Wheel Loader - Case 721 w/ Forks	\$5,992.94	\$37.46	\$34.29	\$71.75									0.00	\$ -
Wheel Loader - Valvo L-90 w/ Forks	\$5,205.44	\$32.53	\$33.11	\$65.64									0.00	\$ -
Wheel Loader - Valvo L-90 w/ Forks	\$5,992.94	\$37.46	\$34.29	\$71.75									0.00	\$ -
Case 450 Skidsteer Loader (options listed below)	\$2,683.07	\$16.77	\$16.51	\$33.28									0.00	\$ -
Case 450 Skidsteer Loader w/ Forks	\$2,767.07	\$17.29	\$17.88	\$35.17									0.00	\$ -
Case 450 Skidsteer Loader w/ Hydraulic Breaker	\$3,764.57	\$23.53	\$23.01	\$46.54									0.00	\$ -
Case 450 Skidsteer Loader w/ Post Hole Auger	\$3,208.07	\$20.05	\$23.01	\$39.16									0.00	\$ -
Case 450 Skidsteer Loader w/ Post Hole Auger	\$3,208.07	\$20.05	\$23.01	\$39.16									0.00	\$ -
Case 450 Skidsteer Loader w/ Dozer/Grade Frame	\$3,697.65	\$24.36	\$21.89	\$46.25									0.00	\$ -
Case 450 Skidsteer Loader w/ Hydraulic Tractor	\$4,259.07	\$26.61	\$23.01	\$49.62									0.00	\$ -
Case 450 Skidsteer Loader w/ Auger Bucket	\$3,183.07	\$19.89	\$17.88	\$36.36									0.00	\$ -
Case 450 Skidsteer Loader w/ Comp. Wheel	\$3,176.57	\$19.85	\$16.51	\$36.36									0.00	\$ -
Teluch 250 Track Loader (options listed below)	\$4,259.07	\$26.61	\$17.88	\$49.62									0.00	\$ -
Teluch 250 Track Loader w/ Hydraulic Breaker	\$3,701.56	\$23.13	\$23.01	\$46.24									0.00	\$ -
Teluch 250 Track Loader w/ Post Hole Auger	\$4,259.07	\$26.61	\$19.11	\$42.24									0.00	\$ -
Teluch 250 Track Loader w/ Dozer/Grade Frame	\$4,391.15	\$27.44	\$21.89	\$49.33									0.00	\$ -
Teluch 250 Track Loader w/ Hydraulic Tractor	\$4,701.57	\$23.13	\$23.01	\$46.24									0.00	\$ -
Teluch 250 Track Loader w/ Auger Bucket	\$3,701.57	\$23.13	\$19.11	\$42.24									0.00	\$ -
Teluch 12 Track Loader (options listed below)	\$3,354.57	\$20.97	\$17.88	\$40.96									0.00	\$ -
Teluch 12 Track Loader w/ Forks	\$3,438.57	\$21.49	\$16.51	\$37.48									0.00	\$ -
Teluch 12 Track Loader w/ Hydraulic Breaker	\$4,436.07	\$27.73	\$23.01	\$50.74									0.00	\$ -
Teluch 12 Track Loader w/ Post Hole Auger	\$3,879.57	\$24.25	\$19.11	\$43.36									0.00	\$ -

Classification	Monthly Rate	Hourly Rate	** Op. Cost	Hourly Rate Est.	8/21/14	8/22/14	8/26/14	8/27/14	8/28/14	8/29/14	9/1/14	9/2/14	Total Hrs.	Total
Tractor 12 Tract Loader w/ Doors/Grade Frame	\$4,989.16	\$28.56	\$21.89	\$50.45									0.00	\$
Tractor 12 Tract Loader w/ Hydraulic Trencher	\$4,929.58	\$30.81	\$23.01	\$53.82									0.00	\$
Tractor 12 Tract Loader w/ Auger Bucket	\$3,879.68	\$24.25	\$19.11	\$43.36									0.00	\$
Vermeer D7/11 Boring Machine	\$3,854.98	\$24.09	\$17.88	\$41.97									0.00	\$
Universal Paved SC45D Smooth Drum Roller	\$10,500.00	\$65.63	\$28.72	\$94.35									0.00	\$
Bomag 145 Sheepsfoot Roller	\$4,912.57	\$30.70	\$33.28	\$63.98									0.00	\$
Kennworth Dump Truck-10' Axle w/amp (10-12 CY)	\$3,117.88	\$19.49	\$32.24	\$51.73									0.00	\$
Kenworth Semi Tractor-10' Axle w/amp (10-12 CY)	\$3,117.88	\$19.49	\$32.24	\$51.73									0.00	\$
Kenworth Semi Tractor w/ 4th Axle & W/4 Kil	\$3,653.16	\$24.08	\$37.20	\$61.28									0.00	\$
Walter Truck - Tandem Axle #4000 Gal	\$6,523.98	\$40.77	\$46.35	\$87.12									0.00	\$
Gravel Bedding Box	\$4,544.90	\$28.41	\$19.89	\$48.39									0.00	\$
Air Compressor - 5HP Portable	\$945.00	\$5.91	\$0.00	\$5.91									0.00	\$
Air Compressor - 185 CFM	\$1,220.75	\$0.75	\$1.06	\$1.81									2.50	\$
Generator - 25 KVA W/90ps	\$713.22	\$4.46	\$13.59	\$18.04									0.00	\$
Generator - 5500 W	\$1,183.01	\$7.39	\$12.98	\$20.37									0.00	\$
Generator - 3000 W	\$153.32	\$0.96	\$4.42	\$5.38									0.00	\$
Trailer - 14' Cargo Office/Tractor Trailer	\$114.18	\$0.71	\$4.10	\$4.81									0.00	\$
Trailer - Hydraulic 30CY Side-dump Trailer	\$625.00	\$3.91	\$2.73	\$6.64									0.00	\$
Trailer - RCH SC Lowboy Trailer w/ Hyd. Singler	\$3,008.06	\$18.80	\$8.95	\$27.75									0.00	\$
Trailer - Prittle Hitch Ramp Trailer	\$4,635.47	\$30.65	\$13.45	\$44.30									0.00	\$
Trailer - Prittle Deck Over (35.5')	\$1,080.10	\$6.75	\$9.04	\$15.79									0.00	\$
Trailer - Goose Neck 5th Wheel (32')	\$1,741.17	\$10.88	\$6.18	\$17.06									0.00	\$
Trailer - Hyd. Tilt Bed (20')	\$1,415.64	\$8.85	\$7.19	\$16.04									0.00	\$
Trailer - Hydraulic Dump Box - (14')	\$464.92	\$2.91	\$2.73	\$5.64									0.00	\$
Trailer - Prittle Hitch Equipment (15')	\$464.92	\$2.91	\$2.73	\$5.64									0.00	\$
Trailer - Vacuum (500 Gal)	\$464.92	\$2.91	\$2.73	\$5.64									0.00	\$
Trailer - Road (hydraulic)	\$4,125.00	\$25.78	\$22.74	\$48.52									0.00	\$
Storage Container - 8' X 20'	\$2,775.00	\$14.22	\$8.78	\$21.00									0.00	\$
Storage Container - 8' X 10'	\$1,500.00	\$9.38	\$1.24	\$10.62									0.00	\$
Crew Truck - 2011 Diesel 1 Ton	\$1,250.00	\$7.81	\$0.98	\$8.79									0.00	\$
Crew Truck - 2012 Diesel 1 Ton	\$1,629.56	\$10.18	\$16.36	\$28.54									0.00	\$
Crew Truck - 2010 Diesel 1 Ton	\$1,594.36	\$9.22	\$18.64	\$28.35									0.00	\$
Crew Truck - 2005 Diesel 3/4 Ton	\$1,475.69	\$9.22	\$17.89	\$27.11									0.00	\$
Crew Truck - 2004 Diesel 1 Ton Utility	\$1,243.80	\$7.77	\$13.58	\$21.35									0.00	\$
Crew Truck - 2004 Diesel 1 Ton Dually	\$1,205.62	\$7.54	\$17.03	\$24.57									0.00	\$
Crew Truck - 2002 Diesel 3/4 Ton	\$1,205.62	\$7.54	\$17.03	\$24.57									0.00	\$
Crew Truck - 1996 3/4 Ton Utility	\$1,161.70	\$7.26	\$10.89	\$18.25									0.00	\$
Line/Grade Laser	\$828.89	\$5.81	\$7.02	\$12.83									0.00	\$
Laser Beacon w/ Tripod/Road & Receiver	\$1,060.00	\$6.56	\$0.65	\$7.21									0.00	\$
Instrument-Auto Grade Level	\$1,060.00	\$6.56	\$1.37	\$7.93									0.00	\$
Instrument-Optical Transit	\$682.50	\$4.24	\$0.33	\$4.57									0.00	\$
Grade Rod	\$283.50	\$1.77	\$0.39	\$2.16									0.00	\$
Tipod	\$47.25	\$0.30	\$0.20	\$0.49									0.00	\$
2.5" Herculog Tool-Pneumatic	\$66.70	\$0.35	\$0.20	\$0.55									0.00	\$
2012 Multi-Quip/Wacker Handheld Compactor	\$1,638.29	\$10.24	\$2.42	\$12.66									0.00	\$
2012 Boach 80 LB Electric Jackhammers	\$656.52	\$4.10	\$2.81	\$6.91									0.00	\$
2007 Plate Compactor - Gas Powered	\$738.00	\$4.61	\$3.48	\$8.09									0.00	\$
Rigid D-5 Live Top Machine	\$1,461.56	\$9.07	\$5.66	\$14.73									0.00	\$
Rigid SF-2500 Pipe Freezer	\$1,689.00	\$10.56	\$2.67	\$13.23									0.00	\$
	\$1,276.00	\$7.96	\$1.97	\$9.95									0.00	\$

Classification	Monthly Rate	Hourly Rate	Op. Cost	Hourly Rate Est.	8/21/14	8/22/14	8/28/14	8/27/14	8/28/14	8/29/14	9/1/14	9/2/14	Total Hrs	Total	
Rigid Pipe Trencher	\$226.43	\$1.42	\$1.27	\$2.89									0.00	\$	
Microtech 6501 loader	\$750.00	\$4.69	\$0.52	\$5.21									0.00	\$	
Rice Hydro Tool Pump	\$1,476.38	\$9.23	\$2.79	\$12.02									0.00	\$	
Chlorination Pump	\$1,183.95	\$7.40	\$0.89	\$8.29									0.00	\$	
Impact Wrench	\$95.83	\$0.60	\$0.33	\$0.92									0.00	\$	
Hammer Drill	\$210.63	\$1.32	\$0.85	\$2.16									0.00	\$	
Cut Off Saw	\$331.75	\$2.07	\$2.34	\$4.41									0.00	\$	
Acetylene Torch	\$47.40	\$0.30	\$0.13	\$0.43									0.00	\$	
Portable Welder	\$398.88	\$2.49	\$0.91	\$12.40									0.00	\$	
Chain Saw	\$221.16	\$1.38	\$2.41	\$3.79									0.00	\$	
Electric Drill	\$58.96	\$0.37	\$0.46	\$0.82									0.00	\$	
Cordless Drill	\$54.77	\$0.34	\$0.26	\$0.60									0.00	\$	
Angle Grinder	\$50.55	\$0.32	\$0.59	\$0.90									0.00	\$	
Circular Saw	\$56.87	\$0.36	\$0.07	\$0.42									0.00	\$	
Welding Vacuum	\$25.27	\$0.16	\$0.59	\$0.74									0.00	\$	
2" 115/230 Slammer Pump	\$238.12	\$1.49	\$1.43	\$2.92									0.00	\$	
3" 115/230 Slammer Pump	\$405.30	\$2.53	\$2.29	\$4.82									0.00	\$	
4" 480 Slammer Pump	\$828.45	\$5.18	\$4.85	\$10.04									0.00	\$	
3" Centrifugal - Gas	\$714.56	\$4.46	\$8.39	\$12.85									0.00	\$	
2" Discharge Hose X 25'	\$16.57	\$0.10	\$0.00	\$0.10									0.00	\$	
4" Discharge Hose X 25'	\$27.95	\$0.17	\$0.00	\$0.17									0.00	\$	
3" Section Hose X 25'	\$35.54	\$0.22	\$0.00	\$0.22									0.00	\$	
3" Section Hose X 25'	\$50.73	\$0.32	\$0.00	\$0.32									0.00	\$	
6X16 Trench Box w/ Spreaders	\$1,626.19	\$10.16	\$0.00	\$10.16									0.00	\$	
6X24 Trench Box w/ Spreaders	\$1,626.19	\$10.16	\$0.00	\$10.16									0.00	\$	
4X20 Trench Box w/ Spreaders	\$1,515.94	\$9.47	\$0.00	\$9.47									0.00	\$	
6X20 Trench Box w/ Spreaders	\$1,653.75	\$10.34	\$0.00	\$10.34									0.00	\$	
6X8 Trench Box w/ Spreaders	\$1,084.15	\$6.78	\$0.00	\$6.78									0.00	\$	
8X8 Trench Box w/ Spreaders	\$1,315.13	\$8.22	\$0.00	\$8.22									0.00	\$	
5' X 10' X 1" Steel Traffic Plates	\$281.24	\$1.76	\$0.00	\$1.76									0.00	\$	
Materials/Outside Service/Subcontractor (Describe):					Total	Total w/ 10%									
Bedding Sand (5 Ton)					WBC	9/2/14	N/A	TOTAL	TOTAL						
					WBC	9/2/14	N/A	TOTAL	TOTAL						
					Total Materials/Outside Service/Subcontractor: \$				\$						
					Total Labor & Equipment:				2,479.14						

Total Labor & Equipment - Materials/Outside Service/Subcontractor: 2,479.14

LAUREL WWTP
Primary Effluent

BWC
Date: 10-24-14

Materials

Description		Unit	Quantity	Cost (NWP)
14" C900 Pipe	\$26.93	ft	80	\$2,154.40
14" 11.25 deg bend	\$370.79	ea	2	\$741.58
14" Cplg	\$298.95	ea	1	\$298.95
14" Mega-lug w/ accessories	\$194.74	ea	6	\$1,168.44

Labor

Description		Unit	Quantity	Cost
Superitendant	\$45.00	hr	2	\$90.00
Laborer	\$34.46	hr	6	\$206.76
Carpenter	\$43.32	hr	6	\$259.92

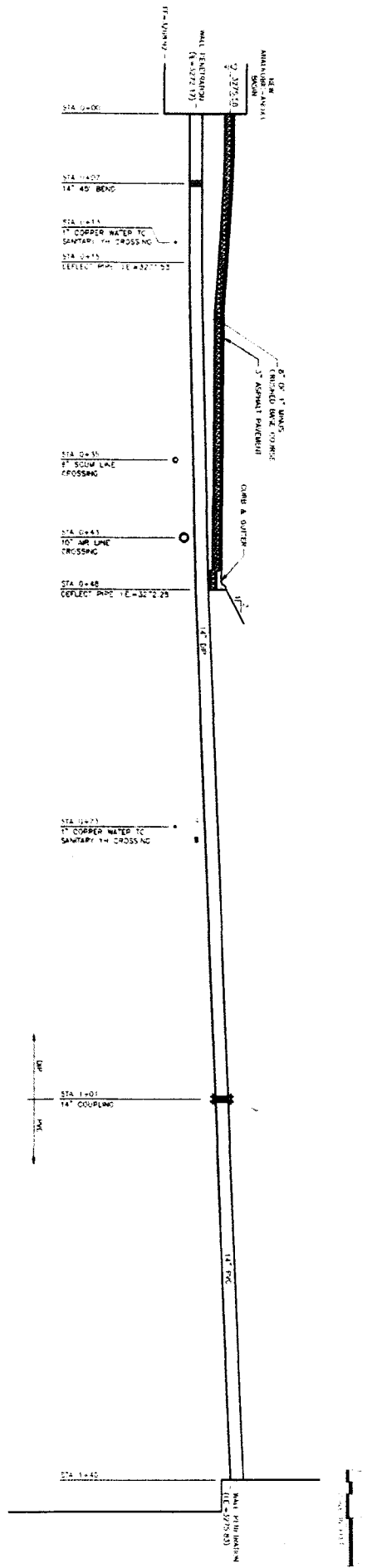
Equipment

Description		Unit	Quantity	Cost
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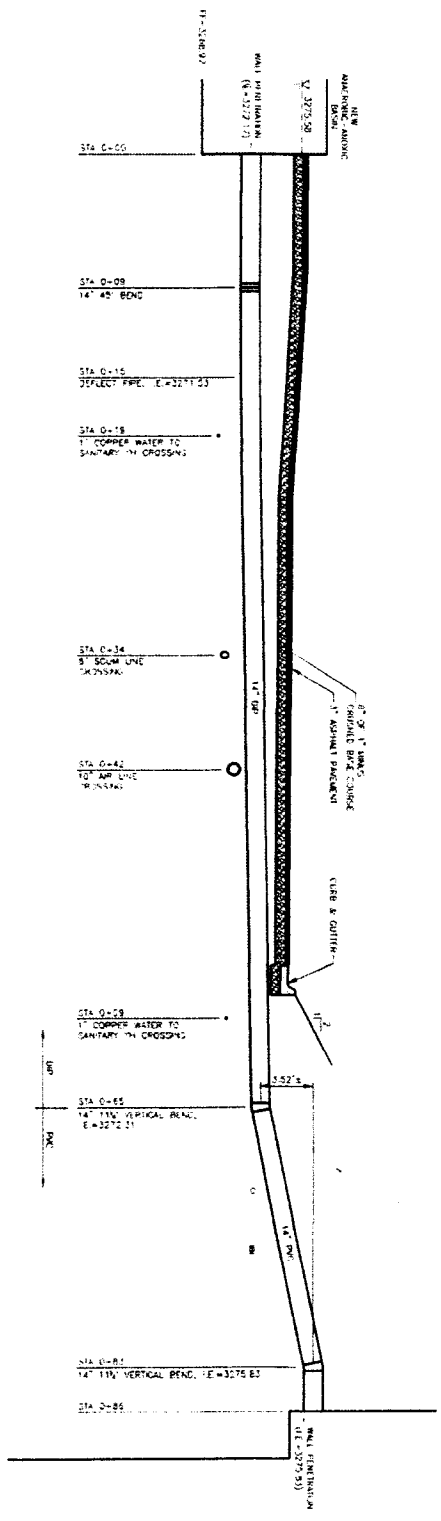
Sub- Contractors

Description		Unit	Quantity	Cost
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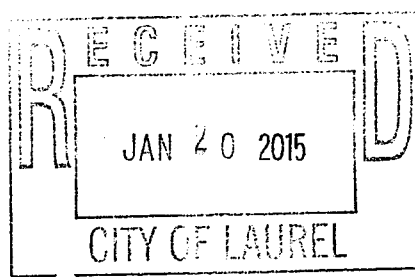
Subtotal				\$4,920.05
Markup				\$836.41
TOTAL				\$5,756.46



PRIMARY CLARIFIER 'A' EFFLUENT CROSS SECTION



PRIMARY CLARIFIER 'B' EFFLUENT CROSS SECTION



January 12, 2015

Honorable Mark Mace, Mayor
City of Laurel
P.O. Box 10
Laurel, MT 59044

Re: City of Laurel, Change Order No. 3 Approval, Biological Nutrient Removal Upgrade and Expansion of the Laurel Wastewater Treatment Plant (WWTP), Phase 2A2, WPCSRF No. C301241

Dear Mayor Mace:

Change Order No. 3 for the above-referenced project has been reviewed. Therefore, by the authority provided in the Montana Water Quality Act and Title VI of the Clean Water Act, the Montana Department of Environmental Quality hereby approves the change order.

The current contract amount has been increased by \$28,438.35 through this change order to \$6,410,173.92. Of this amount, \$6,410,173.92 remains loan-eligible. The approved substantial completion contract time remains at 497 days. The ready date for final payment has been increased by 60 days and is now set at 600 days.

Change Order No. 3 addresses (1) replacement of the door on the existing generator room, (2) leaving the 1.5" PVC pipe to the digesters in place, (3) doors on the basin electrical building, (4) revision of the site grading plan, (5) alignment of the 18" mixed liquor line to avoid conflicts with other yard piping, (6) relocation of the water heater in the thickener building, (7) additional power for hoists in the thickener building, (8) subcontractor's delay on installation of storm sewer outfall due to gas line conflict, and (9) replacement of corroded primary clarifier effluent lines with PVC pipe.

The enclosed original approved Change Order No. 3 should be kept secure with the other project contract documents for future reference by personnel from this office during inspection activities.

Sincerely,


Michele Marsh, P.E.

Environmental Engineer
Technical & Financial Assistance Bureau

Encl: Approved Change Order No. 3

cc: Chad Hanson, PE, Great West Engineering
Kurt Markegard, Public Works Director, City of Laurel

Date of Issuance: November 5, 2014 Effective Date: _____

Project: WWTP Improvements – BNR Upgrade	Owner: City of Laurel, MT
Contract:	Date of Contract: July 7, 2013
Contractor: Williams Brother Construction LLC	Engineer's Project No.: 2-07128, TO 16

The Contract Documents are modified as follows upon execution of this Change Order:
 See attached summary of changes to work.

Attachments (list documents supporting change):
 Summary of changes to work and cost estimates for each change.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$ <u>6,369,000.00</u>	Original Contract Times: <input type="checkbox"/> Working days <input checked="" type="checkbox"/> Calendar days Substantial completion (date): <u>November 5, 2014</u> Ready for final payment (date): <u>February 3, 2015</u>
Increase from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : \$ <u>12,753.57</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : Substantial completion (days): <u>42</u> Ready for final payment (days): <u>30</u>
Contract Price prior to this Change Order: \$ <u>6,381,735.57</u>	Contract Times prior to this Change Order: Substantial completion (date): <u>December 22, 2014</u> Ready for final payment (date): <u>March 22, 2015</u>
Increase of this Change Order: \$ <u>28,438.35</u>	Increase of this Change Order: Substantial completion (days): <u>0</u> Ready for final payment (days): <u>60</u>
Contract Price incorporating this Change Order: \$ <u>6,410,173.92</u>	Contract Times with all approved Change Orders: Substantial completion (date): <u>December 22, 2014</u> Ready for final payment (date): <u>May 21, 2015</u>

RECOMMENDED: By: <u>[Signature]</u> Engineer (Authorized Signature) Date: <u>11/05/2014</u> Approved by Funding Agency (if applicable): _____ _____	ACCEPTED: By: <u>[Signature]</u> Owner (Authorized Signature) Date: <u>11/18/2014</u>	ACCEPTED: By: <u>[Signature]</u> Contractor (Authorized Signature) Date: <u>11-16-14</u> Date: _____
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Montana Department of Environmental Quality
 The plans and specifications have been reviewed and are in compliance with the Montana Department of Environmental Quality rules and regulations promulgated under the Montana Environmental Quality Act. All engineering and construction shall be in accordance with the approved plans and specifications. The contractor shall be responsible for obtaining all necessary permits and for the accuracy of the information provided. The contractor shall be responsible for the accuracy of the information provided. The contractor shall be responsible for the accuracy of the information provided.

1-12-15
Date mm/yy

CHANGE ORDER No. 3 SUMMARY

Change to Work	Change to Contract Cost
3-A The double door on the existing generator room needs to be replaced with a single, 3'0" egress door equipped with a panic bar to facilitate the installation of the new electrical switch gear and generator.	\$ 3,976.53
3-B Following potholing of the plant yard piping, the existing water service line going to the digestors is 1½" PVC, other than the portion going into the building which is copper, and does not need to be replaced.	\$ (1,089.10)
3-C The doors on the basin electrical building were not included in the door schedule on the architectural sheets, and therefore, were not included in the original bid.	\$ 6,420.30
3-D The site grading plan was revised to incorporate input from City personnel and the Contractor, and the basin electrical building was relocated to facilitate conduit installation.	\$ (1,839.12)
3-E After potholing, two 45° vertical bends had to be added to the 18" ML line going to the aerated channel flowing to the secondary clarifiers to eliminate conflicts with the RAS line and existing piping.	\$ 5,425.06
3-F Based upon field discussions with the Contractor and Owner and as described in the response to RFI 13, the water heater in the thickener building (WH-2) was relocated to better facilitate the building's use.	\$ 1,537.38
3-G The two power hoists in the thickener building require additional power beyond that shown in the plans.	\$ 5,350.41
3-H The Contractor's subcontractor, Springline Construction, was delayed on the installation of the storm sewer outfall by the need to lower the gas line to the plant.	\$ 2,900.43
3-I The effluent lines from the primary clarifiers were severely corroded, so the City requested they be replaced with PVC pipe until fully submerged to prevent corrosion of the new lines.	\$ 5,756.46
Subtotal: Change Order 3	\$ 28,438.35
Total Change Orders	\$ 41,173.92