

RESOLUTION NO. R15-65

**A RESOLUTION AUTHORIZING THE MAYOR TO SIGN
CHANGE ORDER NO. 7 WITH WILLIAMS BROTHERS CONSTRUCTION
FOR THE WASTEWATER TREATMENT PLANT PROJECT CONSTITUTING AN
INCREASE OF \$22,950.31 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 Nos. 1 through 6 to the contract with Williams Brothers Construction to increase the cost of the project by \$333,242.23; and

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. 7 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. 7, a copy of which is attached, to increase the contract amount by \$22,950.31 for a total contract price of \$6,725,192.54.

Introduced at a regular meeting of the City Council on July 7, 2015, by Council Member
Dickerson.

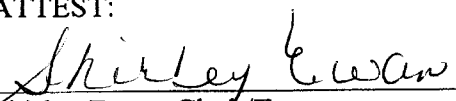
PASSED and APPROVED by the City Council of the City of Laurel this 7th day of July, 2015.

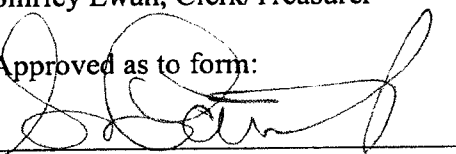
APPROVED by the Mayor this 7th day of July, 2015.

CITY OF LAUREL


Mark A. Mace, Mayor

ATTEST:


Shirley Ewan, Clerk/Treasurer

Approved as to form:

Sam S. Painter, Civil City Attorney



115 N Broadway, Suite 500
Billings, MT 59101

PHONE: 406.652.5000
FAX: 406.248.1363
www.greatwesteng.com

LETTER OF TRANSMITTAL

To: City of Laurel Date: 6-29-15
Of: Project: Laurel WWTP
Address: PO Box 10 Project No.: 2-07128 TO 16
Laurel, MT 59044 Subject: Change Order
Phone: Fax:

We transmit: As requested Attached Under separate cover
Via: Mail e-Mail Courier Overnight delivery Fax

# of Copies	Description
3	Change Order #7

Our action: Reviewed Not approved Approved See remarks
Action requested: Review and comment Approve / Accept
 Make corrections noted Revise and resubmit
 For your information and use

Remarks: Please have all 3 change orders signed where indicated. Keep one copy for your records and return 2 copies back to me. If you have any questions, please let me know. Thank you.

From: Ilene Neudick e-mail address: ineudick@greatwesteng.com
Phone: 406-652-5000 cc: Project file,

If enclosures are not as noted, please notify the sender immediately.

Change Order

No. 7

Date of Issuance: June 23, 2015 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:

Miscellaneous changes to the project were required, as summarized in the attachments.

Attachments (list documents supporting change):

Summary of changes and cost estimate from Contractor for each item.

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ 6,369,000.00

Increase from previously approved Change Orders No. 1 to No. 6:

\$ 333,242.23

Contract Price prior to this Change Order:

\$ 6,702,242.23

Increase of this Change Order:

\$ 22,950.31

Contract Price incorporating this Change

\$ 6,725,192.54

Original Contract Times: Working Calendar days

Substantial completion (date): November 5, 2014

Ready for final payment (date): February 3, 2015

Increase from previously approved Change Orders No. 1 to No. 6:

Substantial completion (days): 150

Ready for final payment (days): 60

Contract Times prior to this Change Order (including Contract Suspension for 14 days over Christmas):

Substantial completion (date): April 18, 2015

Ready for final payment (date): September 15, 2015

Increase of this Change Order:

Substantial completion (days): 0

Ready for final payment (days): 0

Contract Times with all approved Change Orders:

Substantial completion (date): April 18, 2015

Ready for final payment (date): September 15, 2015

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 06/24/15

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 7/9/15

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 6-25-15

CHANGE ORDER No. 7 SUMMARY

Change to Work	Change to Contract Cost
7-A Repair leak from existing RBC wall.	\$ 504.84
7-B An existing valve on the airline to the old RBC basins had to be replaced before the new course air diffusers could be installed in the mixing box.	\$ 670.74
7-C The City requested an additional set of stairs on the northwest corner of the anoxic/anaerobic basins.	\$ 4,908.70
7-D An additional 4" mag meter was installed in the thickener building to improve the process control and to provide more flexibility for the plant operation.	\$ 9,794.37
7-E Two soft spots in the sub-base had to be over excavated and backfilled with structural fill as part of the preparation for the new pavement.	\$ 1,865.55
7-F Final asphalt quantities exceeded plan quantities by 273 square yards at a cost of \$19.07 per square yard.	\$ 5,206.11
Subtotal - Change Order 7	\$ 22,950.31
Total Change Orders	\$ 266,182.54

LAUREL WWTP
Inject Water Leak

BWC
Date: 5-5-15

Materials

Description		Unit	Quantity	Cost (NWP)
Bedding Rock	\$7.45	yd	0.5	\$3.73
Grace Flex-LV	\$154.00	gal	0.25	\$38.50
Ports	\$1.50	ea	30	\$45.00
Misc.	\$15.00	ea	1	\$15.00

Labor

Description		Unit	Quantity	Cost
Superitendant	\$45.00	hr	3	\$135.00
Carpenter	\$43.32	hr	3	\$129.96
Operator	\$41.47	hr	1	\$41.47

Equipment

Description		Unit	Quantity	Cost
PC 50	\$22.83	hr	1	\$22.83

Sub- Contractors

Description		Unit	Quantity	Cost
-------------	--	------	----------	------

Subtotal				\$431.49
Markup				\$73.35
TOTAL				\$504.84

Work Change Directive

No. 3

Date of Issuance: 4/29/15

Effective Date: 5/29/15

Project: <u>WTP BNR UPGRADE</u>	Owner: <u>CITY OF LAUREL</u>	Owner's Contract No.:
Contract:		Date of Contract:
Contractor: <u>Williams Bros Construction</u>		Engineer's Project No.: <u>2-07128</u>

Contractor is directed to proceed promptly with the following change(s):

Item No.	Description
<u>1</u>	<u>REPAIR LEAK IN SOUTH WEST CORNER OF ANAEROBIC BASIN AT JOINT BETWEEN EXISTING STRUCTURE AND NEW CONCRETE WALL. EXCAVATE ± 3.5' BELOW EXISTING GRADE EXPOSING ± 4' OF JOINT TO REPAIR WITH TMR INJECTION OF AV-202 OR SIMILAR PRODUCT AND BACKFILL. WORK TO BE COMPLETED USING T+M.</u>

Attachments (list documents supporting change):

PRODUCT DATA FOR AVANT, - AV202 INJECTION WITH CAULK TUBE

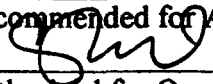

Purpose for Work Change Directive:

Authorization for Work described herein to proceed on the basis of Cost of the Work due to:

- Nonagreement on pricing of proposed change.
- Necessity to expedite Work described herein prior to agreeing to changes on Contract Price and Contract Time.

Estimated change in Contract Price and Contract Times:

Contract Price \$ _____ (increase/decrease) Contract Time _____ (increase/decrease)
days

Recommended for Approval by Engineer: 	Date <u>4/29/15</u>
Authorized for Owner by: 	Date <u>7/7/2015</u>
Received for Contractor by:	Date
Received by Funding Agency (if applicable):	Date:



Flex LV PRe

Product Description

Flex LV PRe is a hydrophobic polyurethane designed to form a flexible gasket when injected into cracks and joints in concrete structures. Flex LV PRe grout expands on contact with water and quickly cures to a tough, flexible foam that is resistant to most organic solvents, mild acids, alkali, petroleum and micro-organisms.

- P**hthalate free- no phthalate-based plasticizers
- U**nregulated for transport- no hazmat shipping
- R**eformulated TDI free-all MDI based technology.
- E**nvironmentally friendly-NSF/ANSI 61 approved.



C USA

FLEX LV PRe when combined with FLEX CAT PRe is certified by WQA to NSF/ANSI 61 for materials safety only, as verified and substantiated by test data. Please refer to WQA website(www.wqa.org) for use ratios and limitations

Product Advantages

- Free Foam Expansion up to 18 times
- Contains no volatile solvents
- Single Component
- Controlled reaction time
- Improved low temperature performance
- Flex Cat PRe liquid to -40°F

Applications

- Sealing leaking cracks in concrete 0.02" and wider
- Sealing moving and non-moving joints in concrete
- Injecting grout tubes (INJECTO®)

Properties

Flex LV PRe Resin		
Solids	100%	ASTM D1010
Viscosity	550 cps at 77°F	ASTM D1638
Color	Pale Yellow	
Density	1.02 g/cm ²	ASTM D1638
Flashpoint	>270°F	CC
Corrosiveness	Non-corrosive	
Flex Cat PRe		
Viscosity	15 cps at 77°F	ASTM D2196
Color	Clear to pale gray	
Flashpoint	221°F	CC
Flex LV PRe Cured		
Density confined	1.00 g/cm ²	ASTM D3574
Density free	about 3 PCF	
Tensile	>174 psi	
Elongation %	100	

Packaging & Handling

- Flex LV PRe: 5 gallon metal pail
50 gallon metal drum
- Flex Cat PRe: 32 oz. metal cans

Flex LV PRe is sealed under dry nitrogen because it is sensitive to moisture, and should be stored in original containers in a dry area. Storage temperature must be between 40°F and 90°F. Once the packaging has been opened, the useful life of the material is greatly reduced and should be used as soon as possible. Shelf life: 2 years.

Reaction Times

T	% Cat	End Reaction	Foam Factor
40°F	1	17'00"	12V
	2	8'30"	14V
	5	4'00"	16V
60°F	1	10'50"	14V
	2	7'00"	16V
	5	3'05"	16V
77°F	1	9'00"	14V
	2	5'35"	16V
	5	2'10"	17V
86°F	1	7'30"	14V
	2	4'40"	16V
	5	1'45"	17V
95°F	1	6'45"	15V
	2	4'00"	17V
	5	1'35"	18V

Installation Guidelines

Warning: Consult the Technical Data Sheets and MSDS before using.

Installation Instructions: For detailed installation instructions refer to the DeNeef technical bulletin for your application.

Catalyst: Shake catalyst can 2-3 minutes. Pour the desired amount of Flex LV PURE into a clean dry pail. Measure the appropriate amount of Flex Cat PURE (refer to the Reaction Times section of this data sheet for the desired set time) and pour it into the pail. Stir until adequately mixed. Exceeding the recommended amount of catalyst may adversely affect the reaction and quality of the cured foam.

Injection: During injection the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the limits of the confined space and compress within itself, forming a dense, closed cell foam.

www.deneef.com

Technical Service 1-800-732-0166

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140.

In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.

DN-XXX

Printed in U.S.A.

Extreme conditions: For application procedures in extreme temperatures and specific environments or equipment recommendations call the DeNeef Technical Service Department.

Cleaning: Clean all tools and equipment which have been in contact with the resin with DeNeef Washing Agent before resin has cured. Products should be disposed of according to local, state, and federal laws.

Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to MSDS. For emergencies, call CHEMTREC 1-800-424-9300.

Limitations

Low temperatures will significantly affect viscosity. Flex LV PURE is not designed for void filling and must be used in compression. If site temperatures are extremely low, heat bands or heated water baths may be used on the pails before and during installation to maintain the product's temperature. Avoid splashing water into open containers, as the material is water activated. Avoid exceeding 90°F when warming.

CAUTION: pH NOTICE. Water used to activate PURE Grouts must be in the pH range of 3-10 for optimum foam quality.

Issue:03/2012

GRACE

Copyright 2011. W. R. Grace & Co.-Conn.

12/11 FA/PDF

LAUREL WWTP
Replace Valve @ Anarobic Basin

BWC
Date: 5-6-15

Materials

Description		Unit	Quantity	Cost (NWP)
2 1/2" Lug Butterfly Valve	\$293.33	ea	1	\$293.33
2 1/2" weld flange	\$18.60	ea	1	\$18.60
3" weld flange	\$18.60	ea	1	\$18.60
3" x 1/2" weld reducer	\$25.82	ea	1	\$25.82
2 1/2" pipe w/cut	\$11.97	ea	1	\$11.97
Misc. Welding Material	\$35.00	ls	1	\$35.00

Labor

Description		Unit	Quantity	Cost
Carpenter	\$43.32	hr	3	\$129.96

Equipment

Description		Unit	Quantity	Cost
Welder	\$20.00	hr	2	\$40.00

Sub- Contractors

Description		Unit	Quantity	Cost
-------------	--	------	----------	------

Subtotal				\$573.28
Markup				\$97.46
TOTAL				\$670.74

Barry Curtis

From: Clay Pipinich [cpipinich60@gmail.com]
Sent: Monday, February 23, 2015 5:32 PM
To: Barry Curtis
Subject: Re: Laurel WWTP / Anarobic Basin

1 man 3 hours
Welder rent 2 hours
2 1/2" to 3" weld steel reducer
3" weld flange
3' of 2 1/2" steel pipe
Misc materials welding rod and grinding discs \$35.00

On Mon, Feb 23, 2015 at 4:42 PM, Barry Curtis <barrywbcbillings@gmail.com> wrote:

Ok give me a take off.

From: Clay Pipinich [mailto:cpipinich60@gmail.com]
Sent: Monday, February 23, 2015 4:37 PM
To: Barry Curtis
Subject: Re: Laurel WWTP / Anarobic Basin

We do have room!

On Mon, Feb 23, 2015 at 4:34 PM, Barry Curtis <barrywbcbillings@gmail.com> wrote:

Yes but the raising it is probably our screw up, we probably should have caught that. But it does not show raising it or dropping the our line. Let me know what it will take and I will price it. Is there room to put a reducer between the two valves?

From: Clay Pipinich [mailto:cpipinich60@gmail.com]
Sent: Monday, February 23, 2015 4:19 PM
To: Barry Curtis
Cc: Roxanne Leibrand
Subject: Fwd: Laurel WWTP / Anarobic Basin

NORTHWEST PIPE FITTINGS, INC.

Serving Montana and Wyoming Since 1957
FED I.D. #81-0282699

Wholesale Plumbing, Heating, Water Works, Industrial Supplies SERVICE with our own trucks



P.O. BOX 4163 1901 MEADOWLARK BUTTE, MT 59701 PHONE (406) 494-2120 FAX (406) 494-3767	404 17TH AVENUE N.E. GREAT FALLS, MT 59404 PHONE (406) 727-9843 FAX (406) 454-1743	1780 MT HWY 35 EAST KALISPELL, MT 59904 PHONE (406) 752-6562 FAX (406) 752-6553	380 FLOSS FLATS RD. BELGRADE, MT 59714 PHONE (406) 388-2045 FAX (406) 388-2093	34930 HWY 23 SIDNEY, MT 59270 PHONE (406) 630-5120 FAX (406) 630-5125
---	---	--	---	--

(REMIT TO P.O. BOX 1258, BILLINGS, MT 59103)

ALWAYS REFER TO NUMBER BELOW

PAGE NUMBER 1	INVOICE NO. 1425862
CUSTOMER ACCOUNT NO. 94591	INVOICE DATE 02/26/15

P.O. BOX 1258
33 S. 8TH ST. WEST
BILLINGS, MT 59103
PHONE (406) 252-0142
FAX (406) 248-8072

SOLD TO: WILLIAMS BROTHER CONST LLC
5713 GARDEN SPRINGS RD
SPOKANE, WA 99224

SHIP TO: WILLIAMS BROTHER CONST LLC
5713 GARDEN SPRINGS RD
BILLINGS MT

MAR 02 2015

DATE SHIPPED	WRITER	ORDERED BY/REF.	P.O. #/JOB NAME	SHIP VIA	TERMS
02/26/15	pama	laurel	LAUREL	CUSTOMER PI	NET 30

ITEM #	QTY. ORDERED	QTY. B.O.	QTY. SHIPPED	DESCRIPTION	UNIT PRICE	DISC	EXTENDED PRICE
	1	0	1	<i>2 1/2" BFV</i> 0019980 <i>293.33</i> ***** INSTRUCTIONS ***** PLEASE CUT FOR ME THE FOLLOWING: (1) 3" X 6'0" 304SS PIECE (1) 2.5" X 2'6" SCH40 BLACK PIECE	0.00		0.00
2	1	0	1	0090060 2-1/2" CUTTING CHARGE (PER CUT)	7.00		7.00
3	1	0	1	0090061 3" CUTTING CHARGE (PER CUT)	9.00		9.00
4	1	0	1	0611860 2-1/2" 150# RF SLIP-ON WELD FLANGE A105	18.60		18.60
5	1	0	1	0602510 3" X 2-1/2" STD WELD CONCENTRIC REDUCER A234-WPB	16.74		16.74
6	1	0	1	0679004 3" 304SS STD WELD L/R 90 ELBOW - STAINLESS STEEL	25.82		25.82
7	3	0	3	0130092 2-1/2" BLACK STD A53B PE PIPE	4.97		14.91
8	6	0	6	0193092 3" SCH40 304SS WELDED PIPE	29.15		174.90
9	1	1	0	086N507093 853010 1" PVC SCH80 BLIND FLANGE	0.00		0.00

Vendor #	6420
Invoice #	1425862
Invoice Date	02-26-15

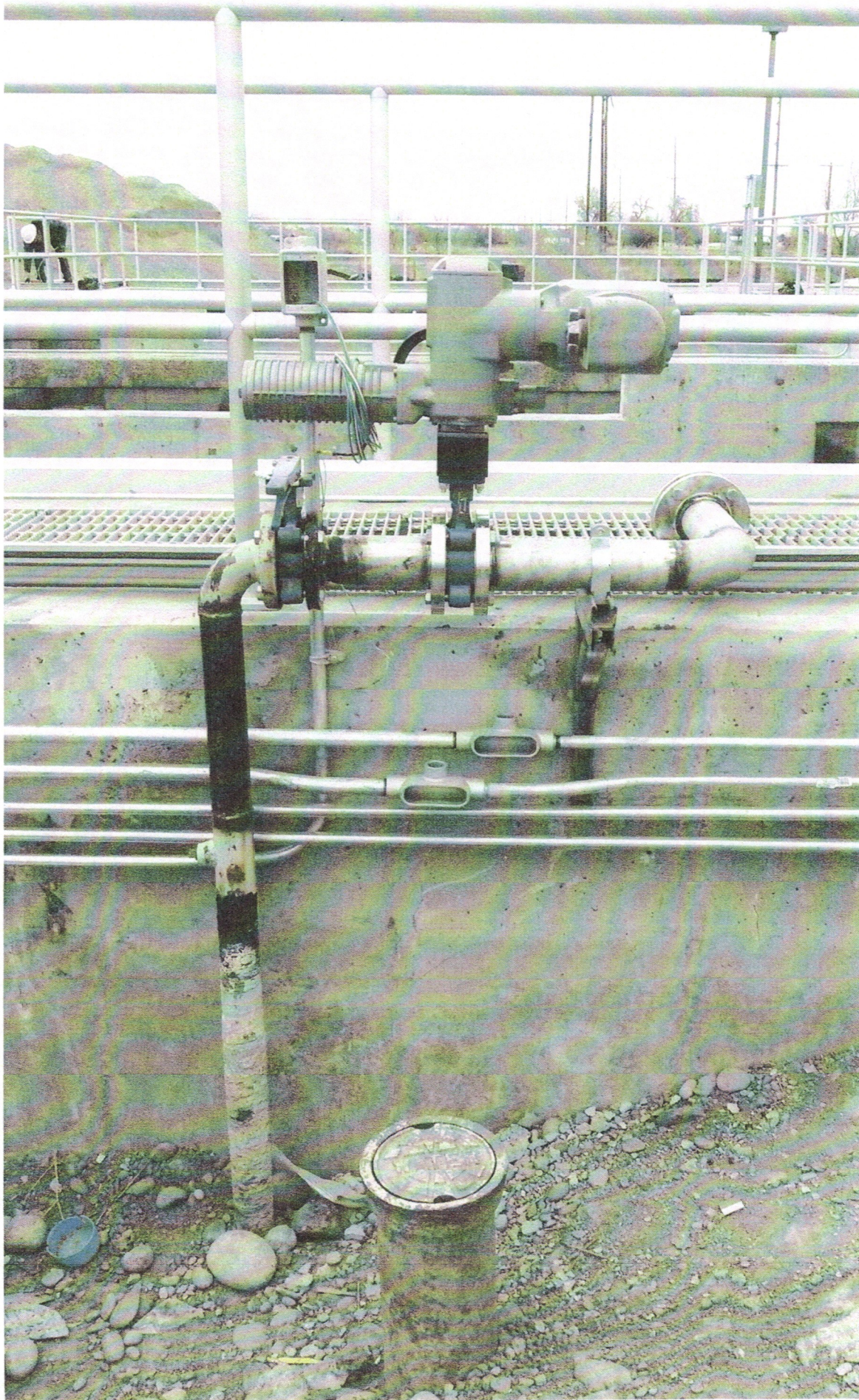
266.97
138.7
FREIGHT CHARGE TO FOLLOW ON INVOICE #

"ITEMS ORDERED BUT NOT SHIPPED HAVE BEEN CANCELLED AND WILL NOT BE SHIPPED UNLESS ENTERED IN COLUMN HEADED 'B.O.' ITEMS ENTERED IN 'B.O.' COLUMN WILL BE SHIPPED UPON RECEIPT."

PAST DUE ACCOUNTS SUBJECT TO TIME PAY DIFFERENTIAL OF 1.5% PER MONTH

Amount	
Unpaid	

SALE AMOUNT	266.97
MISC CHARGES	0.00
SALES TAX	0.00
FREIGHT	
TOTAL	266.97



LAUREL WWTP
Concrete Stair

BWC
Date: 5-6-15

Materials

Bedding Gravel	\$7.45	yd	4	\$29.80
Concrete	\$86.00	yd	5	\$430.00
Form-ply	\$1.05	sqft	100	\$105.00
2x8	\$2.00	ft	46	\$91.77
#5 Rebar	\$0.60	lb	385	\$231.00
1/4" CR rod	\$1.05	ft	100	\$105.00
Aluminum Handrail	\$34.00	ft	28	\$952.00
Concrete Testing	\$350.00	ea	1	\$350.00
Misc. Material	\$15.00	ea	1	\$15.00

Labor

Operator	\$41.47	hr	1	\$41.47
Carpenter	\$43.32	hr	51	\$2,209.32
Superidendant	\$45.00	hr	2	\$90.00

Equipment

PC 50	\$22.83	hr	1	\$22.83
Skid Steer	\$18.75	hr	1	\$18.75

Sub- Contractors

Subtotal		\$4,195.47
Markup		\$713.23
TOTAL		\$4,908.70

LAUREL WWTP
Thickener Flow Meter

BWC
Date: 6-8-15

Materials

4" Vic Flanges	\$107.68	ea	2	\$215.36
4" Bolt Pak	\$14.63	ea	2	\$29.26

Labor

Labor	\$43.32	hr	2	\$86.64
-------	---------	----	---	---------

Equipment

Sub- Contractors

CEI	\$7,080.00	LS	1	\$7,080.00
T&L Painting	\$4.00	ft	240	\$960.00

Subtotal				\$8,371.26
Markup				\$1,423.11
TOTAL				<u>\$9,794.37</u>

CEI ELECTRICAL CONTRACTORS

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

June 8, 2015

Williams Bros Construction

RE: Laurel WWTP – CEI COR 21: Install Flow Meter in the Thickener Building

Attn: Barry Curtis

CEI would like to submit the following price to install conduit and wire to new flow meter located in the Thickener Building.

Quote: \$7,080

Notes:

- 1) Price is valid for 30 days.
- 2) Purchase of the flow meter is included.
- 3) Mechanical installation of the flow meter is by others.
- 4) Any required painting is *not* included.
- 5) Proposal is based off straight time rates.
- 6) Proposal will impact project duration.

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

Respectfully,



Wade Smith
PM/Estimator

LAUREL WWTP
 T&M @ Asphalt Base Course Existing Soft Spots

BWC
 Date: 6-16-15

Materials

Description	Unit	Quantity	Cost (NWP)
Drain Rock	yd	6	\$85.08
3" minus gravel	yd	85	\$873.80
Geo-Tech	sqft	0.08	\$101.76
			\$1,272.00

Labor

Description	Unit	Quantity	Cost
Operator	hr	11	\$456.17
Carpenter	hr	3	\$129.96
Superintendent	hr	2	\$90.00

Equipment

Description	Unit	Quantity	Cost
PC 50	hr	5	\$116.35
Kamatsu 380 Loader	hr	1	\$54.86
IR Roller	hr	3	\$137.73
Cat 240 Excavator	hr	1	\$80.55
Wacker Jumping Jack	hr	1	\$14.40

Sub- Contractors

Description	Unit	Quantity	Cost
-------------	------	----------	------

Subtotal			\$1,594.49
Markup			\$271.06
TOTAL			\$1,865.55



