RESOLUTION NO. R16-119

A RESOLUTION AUTHORIZING THE MAYOR TO SIGN CHANGE ORDER NO. 9 WITH WILSON BROTHERS CONSTRUCTION FOR THE WATER TREATMENT PLANT INTAKE PROJECT CONSTITUTING AN INCREASE OF \$101,210.00.

WHEREAS, the City Council of the City of Laurel previously authorized the Mayor to approve a contract with Wilson Brothers Construction for the Water Treatment Plant Intake Project through Resolution No. R16-45 on June 21, 2016; and

WHEREAS, the original contract price was \$8,560,901.00 to complete the project; 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. 9 and determined that it is 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. 9, a copy of which is attached, to increase the contract amount by \$101,210.00.

Introduced at a special meeting of the City Council on December 13, 2016, by Council Memb	oer
 oehls	

PASSED and APPROVED by the City Council of the City of Laurel this 13th day of December, 2016.

APPROVED by the Mayor this 13th day of December, 2016.

CITY OF LAUREL

Mark A. Mace, Mayor

ATTEST:

Bethany Keeler, Clerk/Treasurer

Approved as to form:)

Sam S. Painter, Civil City Attorney

9
· · · · · · · · · · · · · · · · · · ·
679

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

Description:

The bedrock elevation is lower than was anticipated by the geotechnical evaluation, so the transmission mains, air lines, and hot water line need to be supported and protected against scour from the intake structure to a point where they intersect the bedrock (approximately station 26+00 to station 27+00). A lean concrete seal between the bedrock and lean concrete pipeline encasement is proposed per the attached Drawings. The concrete seal will also be keyed into the bedrock.

- Add Item No. 233A Temporary Shoring for Concrete Seal (Includes Excavation/Waste). Increase in cost: 1 LS x \$44,610.00/LS = \$44,610.00. This item includes: sheet/shoring rental, equipment and labor for installation and additional RPR time, since the Contractor will have to work through the weekends.
- Increase the contract quantity for Item No. 105 Cast-in-Place Concrete from 119 CY to 147 CY. Increase in cost: 28 CY x \$1,000/CY = \$28,000.00. This quantity increase is an estimate, and payments to the Contractor will be made based on actual quantities.
- Increase the contract quantity for Item No. 111 Lean Concrete Encasement Transmission Mains/Casing from 175 CY to 227 CY. Increase in cost = 52 CY x \$550/CY = \$28,600.00. This quantity increase is an estimate, and payments to the Contractor will be made based on actual quantities.

Attachments:

- Itemized cost breakdown from Wilson Bros. Construction
- Revised Construction Plans, sheets G1, P1 and CO9

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES						
	[note changes in Milestones if applicable]						
Original Contract Price:	Original Contract Times: Substantial Completion: 240						
\$ <u>8,560,901.00</u>	Ready for Final Payment: 270						
	days						
Increase from previously approved Change Orders	Increase from previously approved Change Orders						
No. <u>1</u> to No. <u>8</u> :	No. <u>1</u> to No. <u>8</u> :						
	Substantial Completion: 0						
\$ <u>351,576.24</u>	Ready for Final Payment: 0						
	days						
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:						
	Substantial Completion: 240						
\$ <u>8,912,654.87</u>	Ready for Final Payment: 270						
	days						

EJCDC° C-941, Change Order.

Prepared and published 2013 by the Engineers Joint Contract Documents Committee.

Page 1 of 2



				T 1	fal-1- C	`h ′	Ordon.			
increase	e of this Change Order:			Increase of this Change Order: Substantial Completion: 0						
\$101,21	10.00			Ready for Final Payment: 0						
7 <u>101,2</u>	10.00			,		_,	days			
Contrac	t Price incorporating this Chang	ge Order	:	Contract Times with all approved Change Orders:						
	,			Substantial Completion: 240						
\$ <u>9,013,</u>	864.87			Ready	for Final P	ayment				
							Days			
	RECOMMENDED:			PTED:			ACCEPTED:			
By:	Jonnathan Wenn	By:	Mars	1 M	bee_	_ By:	Nick Wilson			
	F		Owner (Au		d		Contractor (Authorized			
	Engineer		Signature)				Signature)			
Title:	Project Engineer	_ Title	MI	1402	<i></i>	_ Title	Ops Manager	·		
Date:	12/9/2016	Date		12/	13/2010	Date	12/9/2016			
Approv	ed by Funding Agency (if			•						
applical										
By:					Date:					
Title:										
			EJCDC* C-941	Change (Order.			<u></u>		

12/09/16

WILSON BROS. CONSTRUCTION, INC. P.O. BOX 636 COWLEY, WY 82420 TELEPHONE AND FAX 307-548-6559

<u>Laurel Water Treatment Plant Intake</u> <u>Laurel, MT</u>

5:				二二		
Bid Item No.	Item Description	Units	Qty.		Unit Price	 Total Price
114	TEMPORARY SHORING FOR CONCRETE SEAL (INCLUDES EXCAVATION/WASTE)	LS	1	\$	44,610.00	\$ 44,610.0
105	CAST-IN-PLACE CONCRETE - (ESTIMATED ADDITIONAL)	CY	28	\$	1,000.00	\$ 28,000.0
111	LEAN CONCRETE (ESTIMATED ADDITIONAL)	CY	80	\$	550.00	\$ 44,000.0
111	LEAN CONCRETE (ESTIMATED DEDUCTION)	CY	-28	\$	550.00	\$ (15,400.0
						\$
					TOTAL COST	\$ 101,210.0

CITY OF LAUREL, MONTANA WATER TREATMENT PLANT INTAKE

CONSTRUCTION PLANS

SECTIONS 15, 16, 20, 21, 29 & 30, TOWNSHIP 2 SOUTH, AND RANGE 24 EAST

PLANS PREPARED FOR:

KURT MARKEGARD, DIRECTOR OF PUBLIC WORKS



APPROVED BY:

JEREMIAH THEYS, P.E.



QA/QC BY:

CHAD E. HANSON, P.E.

GREAT WEST ENGINEERS

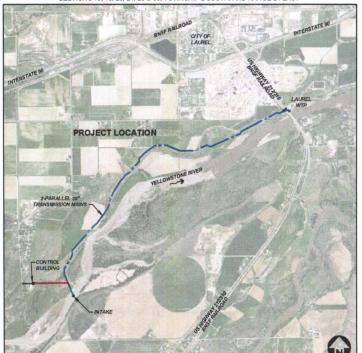


PLANS PREPARED BY:

LISA WALTON JIM McGOWAN DANIEL KARLIN, P.E. JONATHAN WEAVER, P.E.



FEMA Project #: 1996-DR-MT-PW 01679 SRF Project #: E.Q. #16-1684



NOT TO SCALE

AND DRILLED SHAFT PER DE STEET BO COS INTAKE TRANSMISSION MAIN

SHEET INDEX

COVER
GENERAL NOTES, ABBREVIATIONS AND LEGEND
OVERALL SITE PLAN, CONTROL AND GEOTECHNICAL BORINGS
PROCESS & INSTRUMENTATION CRAGRAM
TEMPORARY BYPASS PUMPING AT WATER TREATMENT PLANT SHEET 1 SHEET 2 SHEET 3 SHEET 4 SHEET 5

CIVIL SHEETS

AVIL SHEET 6 C1 INTAKE SITE & DEWATERING PLAN
SHEET 7 C2 CONTROL BUILDING SITE GRADING PLAN
SHEET 8 C4 WATER TREATMENT PLANT PIPING CEMOLITION PLAN
WATER TREATMENT PLANT PIPING CONNECTION PLAN

SHEET 10 P1 SHEET 11 P2 SHEET 12 P3

INTAKE CONNECTION MAIN PLAN S PROPILE, STA 23-50 TO STA 33-50 M TAKE TRANSMISSION MAIN #P PLAN & PROPILE, STA 30-00 TO STA 30-00 M TAKE TRANSMISSION MAIN #P PLAN & PROPILE, STA 40-00 TO STA 30-00 M TAKE TRANSMISSION MAIN #P PLAN & PROPILE, STA 40-00 TO STA 50-00 M TAKE TRANSMISSION MAIN #P PLAN & PROPILE, STA 40-00 TO STA 70-00 M TAKE TRANSMISSION MAIN #P PLAN & PROPILE, STA 40-00 TO STA 70-00

SHEET 17 P2 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 30-00 TO 5TA 40-00
SHEET 17 P2 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 40-00
SHEET 19 P4 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 40-00
SHEET 19 P4 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 40-00
SHEET 16 P7 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 100-00
SHEET 17 P8 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 100-00
SHEET 19 P9 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 40-00 TO 5TA 100-00
SHEET 19 P9 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 100-00 TO 5TA 100-00
SHEET 19 P9 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPELS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 27 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 27 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 27 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81 PLAN 8 PROPILS 5TA 100-00 TO 5TA 100-00
SHEET 20 P91 INTAKE TRANSMISSION MAIN 81

MECHANICAL SHEETS

SHEET 35 M1 INTAKE LOW PROFILE HALF SCREEN DETAILS
SHEET 36 M2 CONTROL BUILDING HYAC AND PLUMBING PLAN
SHEET 37 M3 CONTROL BUILDING BOILDER SYSTEM HYDROMIC PIPING FLOW DIAGRAM AND SCHEDULES

TRUCTURAL SHEETS
INTAKE ISOMETRIC VIEWS
SHEET 39 32 INTAKE ISOMETRIC VIEWS
SHEET 40 33 INTAKE SHEET TO ETAILS
SHEET 41 53 INTAKE SHEET TO ETAILS
SHEET 41 54 INTAKE SHEET TO ETAILS
SHEET 41 55 INTAKE SHEET 62 IP UID REINFORCEMENT
SHEET 43 56 INTAKE MALL REINFORCEMENT
SHEET 43 56 INTAKE MALL REINFORCEMENT
INTAKE MORE FARMEL DETAILS AND NOTES

SHEET 44 S7 INTAKE ROOF PANEL DETAILS AND NOTES SHEET 45 S9 INTAKE ROOF PANEL DETAILS AND NOTES SHEET 46 S9 CON TROL BUILDING FOUNDATION PLAN SHEET 47 S110 CONTROL BUILDING STRUCTURAL NOTES SHEET 48 S11 STRUCTURAL DETAILS

ARGUITECTURAL SHEETS
SHEET 6F AT CONTROL BUILDING FLOOD PLAN
SHEET 6F AT CONTROL BUILDING ELVATIONS
SHEET 50 A2 CONTROL BUILDING SECTIONS
SHEET 51 A2 CONTROL BUILDING SECTIONS
SHEET 52 A4 CONTROL BUILDING SCHEDULES & TYPICAL DETAILS

DETAIL SHEETS

ELECTRICAL SHEETS

ELECTRICAL SHEETS

SHEET 61 EST ELECTRICAL SITE PLAN - CONTROL BUILDING

SHEET 61 EST ELECTRICAL SITE PLAN - HAVE STRUCTURE

SHEET 63 EST CONTROL BUILDING LIGHT TIME PLAN

SHEET 64 EST CONTROL BUILDING LIGHT TIME PLAN

SHEET 66 EST CONTROL BUILDING POWER PLAN

SHEET 66 EST CONTROL BUILDING POWER PLAN

SHEET 67 EST CONTROL BUILDING DURGNAM

SHEET 67 EST CONTROL SHEMANTES - MCC PHASE MONITOR

SHEET 68 EST CONTROL SHEMANTES - MCC PHASE MONITOR

SHEET 78 EST COURSENT SOCIETURE SCHEDULE AND EMERGENCY GENERA

SHEET 71 EST MONITOR CONTROL CENTER SCHEDULE AND EMERGENCY GENERA MOTOR CONTROL CENTER SCHEDULE AND EMERGENCY GENERATOR SCHEDULE

SHEET 71 E9 MOTOR CONTROL CENTER SCHEDULE AND EMERGENCY GENERATOR SCHEDULE SHEET 72 E10 ELECTRICAL SCHEDULES SHEET 73 E11 PLL DO UST SHEET 73 E11 PLL DO UST SHEET 74 E12 ELECTRICAL DETAILS AND LEGEND AND EDGEND AND EMBRO

NO.	REVISION DESCRIPTION	RA	DAIL	NO.	REVISION DESCRIPTION		UAIE	SET NO.
\triangle	CHANGE ORDER NO. 7: WATER STORAGE TANK AT CONTROL BUILDING	LMW	11-11-16	\triangle	ADDENDUM NO. 1: BEDDING AND AIR RELEASE VAULT REVISIONS	LMW	5-20-16]
\triangle	CHANGE UNDER NO. 8. IN LAKE DIRECTED SHAFT MER REVISIONS	LMN	11-02-16	2	ADDENDUM NO. 2: MISCELLANEOUS REVISIONS	LMW	6-2-16	SHEET NO.
8	CHANGE ORDER NO. 9. I HANSMISSION MAIN PIPING REINFORCEMENT	LMW	12-2-16	1	CHANGE ORDER NO. 1: CONTROL BUILDING RELOCATION	LMN	6-26-16	04
				4	CHANGE ORDER NO. 2 WIF BYPASS LINE, CLARIFICATIONS SHEET PI7	LMW	7-21-16	UI
				5	REQUEST FOR INFORMATION - 003	JDM	7-22-16	1 OF 74

