

## FORM C-941

## CHANGE ORDER

No: 1Date of Issuance: 7/12/2019 Effective Date: 7/12/2019Project Name: Missoula Water – Railroad Street Water Main ReplacementOwner: City of Missoula Owner's Contract No.: 2017-052Engineer's Project No.: 17-4761 Date of Contract: 4/30/2019Contract: Missoula Water – Railroad Street Water Main ReplacementContractor: JTL Group, Inc. D.B.A. Knife RiverAddress: 4800 Wilkie Street, Missoula, MT 59808**The Contract Documents are modified as follows upon execution of this Change Order:****Description:** This Change Order is to incorporate an array of different items related to this project. A brief summary of the different changes related to this project are as follows:

- 1) After bidding and prior to construction, it was determined that MRL would not allow the originally proposed 8" HDPE bored water main near Railroad Street and Woody Street to be on their property (had originally planned for an easement). Because of this, a re-alignment was required. Additionally, it was also determined that the new bored water main alignment could be reduced from an 8" HDPE to a 6" HDPE water main. Subsequently, this required changes in costs for the water main and associated appurtenances.
- 2) For the changes in HDPE bored water main alignment, it meant changes in the service connections, services line lengths, and associated service fittings and appurtenances for the Silver Dollar Bar and Antique Mall. Also, it was discovered during construction that one of the Antique Mall's services was not 4-inch pipe. The original bid covered two (2) separate 4-inch services. This means a change in costs associated with the services.
- 3) Additional 4" thick asphalt pave back & asphalt restoration (Item A50) was needed due to the intersection at West Alder Street & Woody Street and additional asphalt for service line trenches in Toole Avenue and Railroad Street. Also, due to the addition of 4" asphalt (instead of 3") in Alder & Woody, the elimination of some quantity of 3" thick asphalt pave back & restoration (Item A51).
- 4) The requested additional water main replacement work in McCormick Street. It was determined during construction of the other portions of work in the area, that it made sense to also complete the water main replacement in McCormick Street from Toole Avenue to West Alder Street. This will eliminate additional older 6" kalamein water main in McCormick Street and will help work in conjunction with a separate service swap project in West Alder Street that Missoula Water is working on.
- 5) An additional 14 calendar days to contract timeframe as the additional water main replacement work in McCormick Street was added to the project as described above.
- 6) 412 West Alder Street – This service currently connects in the alley behind the property and then runs up

to the existing main in Railroad Street & Orange Street (west side of underpass). This service needs to be replaced and swapped to the existing 24" main in West Alder Street and is planned to be completed by boring through the property and intercepting the existing service in the back of the lot. This service was originally to be completed separately of this project, but is now being added to this project as it is the same contractor performing the work and a change order was necessary for other items already.

A spreadsheet breakdown showing specific line items of what is described above is attached showing the original contract (Schedule A), additional water main replacement work in McCormick Street (Schedule B), and additional change order items for things encountered during construction. Additionally, the items to be paid out of the Miscellaneous Work funds (Bid Item A55) are shown on this spreadsheet, but will be paid separately of this Change Order by using a Field Order.

**Attachments:** (List documents supporting change): \_\_\_\_\_

- Spreadsheet breakdown of original contract (Schedule A), new additional water main replacement work in McCormick Street (Schedule B), and additional change order items.
- Knife River's Cost Estimate for the 412 West Alder Water Service Replacement.

**CHANGE IN CONTRACT PRICE:**  
Original Contract Price:  
**\$499,696.00**

[Increase] [Decrease] from previously approved  
Change Orders No. 0 to No. 0 :  
**\$0.00**

Contract Price prior to this Change Order:  
**\$499,696.00**

[Increase] [Decrease] of this Change Order:  
**\$33,143.00**

Contract Price incorporating this Change Order:  
**\$532,839.00**

**CHANGE IN CONTRACT TIMES:**  
Original Contract Times:      Working Days  
90 Calendar Days  
Substantial completion (days or date):       
Ready for final payment (days or date):     

[Increase] [Decrease] from previously approved  
Change Orders No. 0 to No. 0 :  
Substantial completion (days): 0  
Ready for final payment (days): 0

Contract Times prior to this Change Order:  
Substantial completion (days or date): 0  
Ready for final payment (days or date): 0

[Increase] [Decrease] of this Change Order  
Substantial completion (days or date): **14 days**  
Ready for final payment (days or date):     

Contract times with all approved Change Orders:  
Substantial completion (days or date): **104 days**  
Ready for final payment (days or date):     

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Engineer Approval

\_\_\_\_\_  
Owner Approval

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Bid Proposal - Unit Price Bid Sheet											
Missoula Water - Railroad Street Water Main Replacement											
City of Missoula Project# 2017-052											
TLI Project# 17-4761											
JTL Group Inc. D.B.A. Knife River - Bid Prices as submitted electronically via QuestCDN on April 3, 2019											
Line Item	Item Code	Description	Qty.		Unit Cost		Total				
SCHEDULE B: McCORMICK STREET WATER MAIN REPLACEMENT (TOOLE TO ALDER)											
B1	B1	Mobilization / Demobilization	LS	1	\$	5,400.00	\$	5,400.00			
B2	B2	Construction Traffic Control (MPWSS 01570)	LS	1	\$	3,500.00	\$	3,500.00			
B3	B3	Taxes, Bonds, & Insurance	LS	1	\$	220.00	\$	220.00			
B4	B4	Water Service Repair Permit(s) (per City of Missoula)	EA	4	\$	220.00	\$	880.00			
B5	B5	Testing and Start Up (including 3" Temporary Blowoff Installation & Removal)	EA	1	\$	3,500.00	\$	3,500.00			
B6	B6	12" x 8" Reducer	EA	1	\$	850.00	\$	850.00			
B7	B7	Connection to Existing 6" DIP Water Main @ West Alder Street	EA	1	\$	2,200.00	\$	2,200.00			
B8	B8	Cup and Cap Existing Main(s)	EA	1	\$	550.00	\$	550.00			
B9	B9	8" Class 350 D.I.P. Water Main (from new 12"x8" reducer to Alder Street tie-in)	LF	233	\$	81.00	\$	18,873.00			
B10	B10	8" Gate Valve and Valve Box	EA	1	\$	1,700.00	\$	1,700.00			
B11	B11	8" Bend (Any Angle)	EA	4	\$	730.00	\$	2,920.00			
B12	B12	8" x 6" Reducer	EA	1	\$	580.00	\$	580.00			
B13	B13	2" or Smaller Tapping Saddle for 8" Water Main (Materials Only)	EA	5	\$	77.00	\$	385.00			
B14	B14	2" or Smaller Corporation Stop (Materials Only)	EA	5	\$	110.00	\$	550.00			
B15	B15	Labor for Making 2" or Smaller Service Tap(s)	EA	5	\$	140.00	\$	700.00			
B16	B16	Connection to Existing 2" or Smaller Water Services	EA	5	\$	220.00	\$	1,100.00			
B17	B17	1" SIDR 7 HDPE Water Service Lines, including Labor (includes sampling pedestal service)	LF	44	\$	53.00	\$	2,332.00			
B18	B18	3" Asphalt Pave Back & Asphalt Restoration (per City of Missoula requirements)	LF	295	\$	21.00	\$	6,195.00			
B19	B19	Asphalt Cushion and Backfill Replacements (per City of Missoula requirements)	LF	295	\$	22.00	\$	6,490.00			
B20	B20	1" Permanent Air Relief Assembly (on 24" DIP water main)	EA	1	\$	2,300.00	\$	2,300.00			
Subtotal, SCHEDULE B							\$	61,225.00			
SCHEDULE CO1: OTHER CHANGE ORDER ITEMS											
A17	A17	8" Class 200 DR 11 HDPE DIPS Water Main (Bored Main)	LF	-262	\$	324.00	\$	(84,888.00)			
A19	A19	8" Bend (Any Angle)	EA	2	\$	730.00	\$	1,460.00			
A20	A20	8" D.I.P. to 8" HDPE Main Connection	EA	-1	\$	960.00	\$	(960.00)			
A29	A29	3" Blow-Off Assembly (Permanent, includes Tapped Cap for pipe size)	EA	-1	\$	2,200.00	\$	(2,200.00)			
A33	A33	2" or Smaller Tapping Saddle for 8" Water Main (Materials Only)	EA	1	\$	77.00	\$	77.00			
A34	A34	2" or Smaller Corporation Stop (Materials Only)	EA	2	\$	110.00	\$	220.00			
A35	A35	Labor for Making 2" or Smaller Service Tap(s)	EA	2	\$	140.00	\$	280.00			
A36	A36	Connection to Existing 2" or Smaller Water Services	EA	2	\$	220.00	\$	440.00			
A37	A37	1" SIDR 7 HDPE Water Service Lines, including Labor	LF	69	\$	53.00	\$	3,657.00			
A38	A38	1" SIDR 7 HDPE Water Service Lines, including Labor (Bored)	LF	-47	\$	220.00	\$	(10,340.00)			
A42	A42	8" x 4" Tapping Sleeve for Service	EA	-2	\$	1,500.00	\$	(3,000.00)			
A43	A43	4" Gate Valve and Valve Box	EA	-1	\$	1,100.00	\$	(1,100.00)			
A44	A44	4" Class 350 D.I.P. Water Service Lines	LF	10	\$	66.00	\$	660.00			
A45	A45	4" Class 200 DR 11 HDPE DIPS Water Service Line (Bored)	LF	-97	\$	229.00	\$	(22,213.00)			
A47	A47	Connection to Existing 4" Water Service Lines (includes fittings and bends)	EA	-1	\$	400.00	\$	(400.00)			
A50	A50	4" Asphalt Pave Back & Asphalt Restoration (per City of Missoula requirements)	LF	424	\$	28.00	\$	11,872.00			
A51	A51	3" Asphalt Pave Back & Asphalt Restoration (per City of Missoula requirements)	LF	-34	\$	21.00	\$	(714.00)			
A52	A52	Asphalt Cushion and Backfill Replacements (per City of Missoula requirements)	LF	26	\$	22.00	\$	572.00			
CO1-1	CO1-1	8" D.I.P. to 6" HDPE Main Connection	EA	1	\$	900.00	\$	900.00			
CO1-2	CO1-2	8" x 6" Reducer	EA	1	\$	550.00	\$	550.00			
CO1-3	CO1-3	6" Class 200 DR 11 HDPE DIPS Water Main (Bored Main)	LF	178	\$	315.00	\$	56,070.00			
CO1-4	CO1-4	2" or Smaller Tapping Saddle for 6" Water Main (Materials Only)	EA	2	\$	90.00	\$	180.00			
CO1-5	CO1-5	2" Blow-Off Assembly (Permanent)	EA	1	\$	2,000.00	\$	2,000.00			
CO1-6	CO1-6	6" x 4" Tapping Sleeve for Service	EA	1	\$	1,100.00	\$	1,100.00			
CO1-7	CO1-7	4" Bend (Any Angle)	EA	2	\$	1,000.00	\$	2,000.00			
CO1-8	CO1-8	412 West Alder Street Water Service Replacement & Boring	LS	1	\$	15,695.00	\$	15,695.00			
Subtotal, SCHEDULE CO1							\$	(28,082.00)			
MISCELLANEOUS WORK ITEMS (TO BE DEDUCTED FROM MISCELLANEOUS WORK AND NOT INCLUDED IN CHANGE ORDER ITEMS)											
ORIGINAL CONTRACT AMOUNT OF MISCELLANEOUS WORK							\$	26,000.00			
PREVIOUSLY USED AMOUNT OF MISCELLANEOUS WORK							\$	-			
CURRENTLY REMAINING AMOUNT OF MISCELLANEOUS WORK							\$	26,000.00			
FIELD ORDER #1 - ADDITIONAL MISCELLANEOUS WORK ITEMS (NOT INCLUDED IN NET CONTRACT OR CHANGE ORDER #1 PRICE BELOW)											
FO1-1	FO1-1	Flowable Fill	CY	60	\$	100.00	\$	6,000.00			
FO1-2	FO1-2	Towing bill - 5/31	LS	1	\$	89.00	\$	89.00			
FO1-3	FO1-3	444 West Alder Street Water Service Replacement & Boring	LS	1	\$	14,845.00	\$	14,845.00			
TOTAL COST OF FIELD ORDER #1							\$	20,934.00			
AMOUNT REMAINING IN MISCELLANEOUS WORK										\$	5,066.00

Bid Proposal - Unit Price Bid Sheet					
Missoula Water - Railroad Street Water Main Replacement					
City of Missoula Project# 2017-052					
TLI Project# 17-4761					
JTL Group Inc. D.B.A. Knife River - Bid Prices as submitted electronically via QuestCDN on April 3, 2019					
Line Item	Item Code	Description	Qty.	Unit Cost	Total
<b>ORIGINAL BID</b>					
TOTAL BID COST of SCHEDULE A (ORIGINAL CONTRACT)				\$	499,696.00
<b>CHANGE ORDER #1 (B + CO1)</b>					
TOTAL COST of SCHEDULE B - MCCORMICK STREET ADDITION				\$	61,225.00
TOTAL COST of SCHEDULE CO1 - DEDUCTS & ADDITIONS TO ORIGINAL BID				\$	(28,082.00)
NET CHANGE IN CONTRACT COST FOR CHANGE ORDER #1				\$	33,143.00
NEW TOTAL CONTRACT COST (A + B + CO1)				\$	532,839.00

# 412 W. Alder Water Service Replacement R1



## Knife River - Missoula

4800 Wilkie Road

Missoula, MT 59808

**Contact:** Justin Hubbard

**Phone:** (406) 532-5250

**Fax:** (406) 532-5200

**AN MDU RESOURCES COMPANY**

Quote To: Eric Richards  
Company: Missoula Water

Project Name: 412 W. Alder Water Service Replacement  
Phone: (406) 529-4030

Fax:  
Email: RichardsE@ci.missoula.mt.us  
Date of Plans: n/a

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT
10	MOB	1.00	LS		
20	PERMITS	1.00	LS		
30	TRAFFIC CONTROL	1.00	LS		
40	REMOVE ASPHALT	45.00	SY		
50	BORE 1" WATER SERVICE	110.00	LF		
60	CONNECT TO THE WATER MAIN	1.00	EA		
70	CONNECT TO THE EXISTING WATER SERVICE	1.00	EA		
80	INSTALL A CURB STOP AND CURB BOX	1.00	EA		
90	SIDEWALK REPLACEMENT	36.00	SF		
100	ROADBASE REPLACEMENT	45.00	SY		
110	ASPHALT PATCHING	45.00	SY		
120	SOD REPAIR	500.00	SF		
<b>GRAND TOTAL</b>					<b>\$15,695.00</b>

### NOTES:

Boring in this area may be difficult. The bore contractor will make 2 attempts to bore through the area. If both attempts are unsuccessful we will have to reevaluate the options for installing the service line.

This bid assumes the curb stop and meter pit will be installed in the bark yard, eliminating the need for digging down and installing these items in the boulevard.