



AGENDA MEMO

Needs Legal Review: Yes
Council Meeting Date: October 7, 2020
Agenda Item: Jewett Water Main Improvements Project, Change Order No.5
Presented By: Jan Brending, Clerk Treasurer and Pat Munyan, City Administrator

Action

Authorize approval of Change Order No. 5. Information will be added to the city's website on Monday, October 5.

Motion

Motion to authorize approval of Jewett Water Main Improvements Project Change Order No. 5 with an increase in contract price of \$137,185.05 from \$2,367,652.47 to \$2,504,837.52; changing Date of Substantial Completion from November 1, 2020 to November 26,2020; and changing Date Ready for Final Payment from December 1, 2020 to December 25, 2020.

Explanation of Issue

See Attachment A of the change order for specifics related to the change order.

Staff Recommendation

Staff recommends approval of Change Order No. 5 for the Jewett Water Main Improvements project.

CHANGE ORDER

Change Order No.: 5

Date of Issuance: **10/2/2020**
 Owner: **City of White Salmon, Washington**
 Contractor: **Crestline Construction Company, LLC**
 Engineer: **Anderson Perry & Associates, Inc.**
 Project: **Jewett Water Main Improvements**

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

Description of Changes (Supplemental description, Plans and Specifications attached, as applicable)		DECREASE in Contract Price	INCREASE in Contract Price
5-1	Wauna Avenue Water Main Improvements	\$0.00	\$54,575.00
5-2	Rhine Village Water Main Improvements	\$0.00	\$64,439.00
5-3	Abnormal Weather Conditions Caused by Wildfire Smoke	\$0.00	\$0.00
5-4	PRV Installation in Bingen Master Meter Vault		\$8,600.00
Subtotal		\$0.00	\$127,614.00
Total, Increase Less Decrease		\$127,614.00	
Sales Tax (7.5%)		\$9,571.05	
Net Change in Contract Price for this Change Order		\$137,185.05	

JUSTIFICATION:

See Attachments A, B, and C to Change Order No. 5.

The amount of the Contract will be increased for this Change Order by the sum of:

\$137,185.05

Total Contract Price prior to this Change Order:

\$2,367,652.47

The Contract Price incorporating this Change Order:

\$2,504,837.52

Contract Times prior to this Change Order:

Date of Substantial Completion:

November 1, 2020

Date Ready for Final Payment:

December 1, 2020

The Contract period provided for Substantial Completion will be increased.

25 days

Revised Date of Substantial Completion:

November 26, 2020

Revised Date Ready for Final Payment:

December 26, 2020

RECOMMENDED:

By: David J. Perry PE
Anderson Perry & Associates, Inc.

Title: PROJECT ENGINEER

Date: 10/16/2020

ACCEPTED:

By: [Signature]
Crestline Construction Company, LLC

Title: MANAGER

Date: 10/16/2020

ACCEPTED:

By: _____
City of White Salmon, Washington

Title: _____

Date: _____

Approved by Agency:

By: _____
USDA Rural Development

Title: _____

Date: _____

**ATTACHMENT A
CITY OF WHITE SALMON, WASHINGTON
JEWETT WATER MAIN IMPROVEMENTS
CHANGE ORDER NO. 5**

5.1 WAUNA AVENUE WATER MAIN IMPROVEMENTS

Description of Change: Installation of approximately 320 linear feet of new 8-inch water main in Wauna Avenue between the original proposed connection point just north of Jewett Boulevard and a connection to the existing 8-inch diameter main near the intersection of Tohomish Street and Wauna Avenue. The Work includes rock and general fill excavation, aggregate backfill, 2- and 8-inch pipe, connections to existing 2- and 8-inch pipe, surface restoration, and all other work needed for a complete water main installation. See Attachment C, Figure 1 for extent of the Wauna Avenue Water Main Improvements.

Justification: The original design included connecting the new 8-inch diameter water branch line from the new 12-inch diameter water main on Jewett Boulevard with the existing 4-inch diameter water main on Wauna Avenue north of Jewett Boulevard. However, when potholed, the existing main was discovered to be 2-inch diameter pipe instead of 4-inch diameter pipe. From further review of historical drawings, the 2-inch water pipe extends on Wauna Avenue approximately halfway between Jewett Boulevard and Tohomish Street and then transitions to 4-inch diameter pipe before connecting to an 8-inch diameter main near the intersection of Tohomish Street and Wauna Avenue. The combination of 2- and 4-inch diameter pipe in Wauna Avenue does not provide the hydraulic capacity needed or desired or adequate looping to serve a distribution main in the City's commercial area. A larger diameter pipe (i.e., minimum 8-inch diameter) should be installed to improve system hydraulics and looping in this part of the City's distribution system.

Cost/Time: Agreed upon unit prices and estimated quantities will be used as the basis for determining the cost of this work. Most of the work is covered by unit prices from the original bid. The cost for rock excavation was increased to better reflect the actual effort to remove rock in the downtown area. The 8-inch water main cost was increased to reflect higher material costs since the original bid submission. A new unit price, "Traffic Control/Flagging" was added to reflect the cost for this work. The estimated cost for this work is shown in spreadsheet format under Wauna Avenue Water Main Improvements in Attachment B. Total construction cost is estimated to be \$54,575.00. Eight days will be added to the Contract Time.

CHANGE TO THE CONTRACT PRICE W/O SALES TAX:	\$54,575.00 (Increase)
CHANGE TO THE CONTRACT TIME:	8 Days

5.2 RHINE VILLAGE WATER MAIN IMPROVEMENTS

Description of Change: Installation of approximately 425 linear feet of new 8-inch diameter water main to loop the existing 6-inch diameter water main with the existing water distribution system located on the north and east side of Skyline Hospital. The Work includes general excavation, aggregate backfill, 6- and 8-inch pipe, one fire hydrant with valve, connections to existing 6-inch pipe, surface restoration, and all other work needed for a complete water main installation. See Attachment C, Figure 2 for extent of the Rhine Village Water Main Improvements.

Cost/Time: The cost for this work was based on an agreed-upon lump sum price of \$8,600.00, which includes mobilization/demobilization, installation of new 3-inch PRV valve (manufacturer: Cla-Val to match other valves in the system) and associated fittings and piping, modifications to the master meter piping, removal of the temporary 2-inch PRV and associated piping, disinfection, and other miscellaneous work for a complete installation.

CHANGE TO THE CONTRACT PRICE W/O SALES TAX: \$8,600.00
CHANGE TO THE CONTRACT TIME: 1 Day

SUMMARY OF CHANGE ORDER NO. 5

Change Order Description	Change in Contract	
	Time, days	Price, \$
5-1 – Wauna Avenue Water Main Improvements	8	54,575.00
5-2 – Rhine Village Water Main Improvements	12	64,439.00
5-3 – Abnormal Weather Conditions Caused by Wildfire Smoke	4	0.00
5-4 – PRV Installation in Bingen Master Meter Vault	1	8,600.00
Subtotal	25	127,614.00
Sales Tax @7.5%	N/A	9,571.05
TOTAL	25	137,185.05

With sales tax (7.5%), the total cost for this change order is \$137,185.05.

**ATTACHMENT B
CITY OF WHITE SALMON, WASHINGTON
JEWETT WATER MAIN IMPROVEMENTS
CHANGE ORDER NO. 5**

WAUNA AVENUE WATER MAIN IMPROVEMENTS

NO.	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
1	Traffic Control/Flagging	HR	\$ 55.00	120	\$ 6,600.00
2	Trench Excavation System Safety System	LS	200.00	All Req'd	200.00
3	Potholing	HR	300.00	10	3,000.00
4	Cap Existing Water Mains	EA	250.00	2	500.00
5	Rock Excavation	CY	180.00	30	5,400.00
6	Asphalt Removal	SY	2.00	185	370.00
7	Repair of Unmarked Sewer Service Line	EA	485.00	1	485.00
8	Asphalt Restoration, HMA Cl. 3/8- or 1/2-In. PG 64H-28	TON	149.00	65	9,685.00
9	Pavement Marking Restoration	LS	200.00	All Req'd	200.00
10	8-In. Water Main	LF	65.00	320	20,800.00
11	2-In. Water Main	LF	38.00	20	760.00
12	Connection to Existing 8-In. Water Main	EA	5,300.00	1	5,300.00
13	Water Service Line, Main Connection	EA	150.00	1	150.00
14	Non-Potable Crossing, CDF	EA	550.00	1	550.00
15	2-In. Gate Valve	EA	575.00	1	575.00
Subtotal					\$ 54,575.00

RHINE VILLAGE WATER MAIN IMPROVEMENTS

NO.	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
1	Trench Excavation System Safety System	LS	\$ 200.00	All Req'd	\$ 200.00
2	Potholing	HR	300.00	10	3,000.00
3	Asphalt Removal	SY	2.00	237	474.00
4	Asphalt Restoration, HMA Cl. 3/8- or 1/2-In. PG 64H-28	TON	149.00	85	12,665.00
5	8-In. Water Main	LF	65.00	425	27,625.00
6	6-In. Water Main	LF	51.00	25	1,275.00
7	Connection to Existing 6-In. Water Main	EA	5,000.00	2	10,000.00
8	Non-Potable Crossing, CDF	EA	550.00	1	550.00
9	8-In. Gate Valve	EA	1,300.00	2	2,600.00
10	6-In. Gate Valve	EA	975.00	2	1,950.00
11	Fire Hydrant Assembly and Auxiliary Valve	EA	4,100.00	1	4,100.00
Subtotal					\$ 64,439.00

SUMMARY

Change Orders No. 5.1 and 5.2

Subtotal	\$ 119,014.00
Sales Tax (7.5%)	\$ 8,926.05
TOTAL	\$ 127,940.05

**ATTACHMENT C
CITY OF WHITE SALMON, WASHINGTON
JEWETT WATER MAIN IMPROVEMENTS
CHANGE ORDER NO. 5**



Figure 1 - Proposed Wauna Avenue Water Main Improvements

**ATTACHMENT C (CONT.)
CITY OF WHITE SALMON, WASHINGTON
JEWETT WATER MAIN IMPROVEMENTS
CHANGE ORDER NO. 5**



Figure 2 - Proposed Rhine Village Water System Improvements