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City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date: February 8, 2017**

From: John C Bender PE, City Engineer

Re: **2015 Sewer and Water Extension Project**

Description: **Change Order #5 (Balancing Change Order)**

Report:

Attached you will find the description of Change Order #5 (balancing change order) prepared by MSA Professional Services for the 2015 Sewer and Water Extension Project. Change order number #5 adjusts all 44 bid items to the final measured quantities. All items were measured as adjusted in the field and the final quantities are itemized in the attached spreadsheet. The final adjusted quantities and costs total a deduction of $23,335.21.

Engineering recommends approval of change order No 5 (Balancing change order) with a decrease in cost in the amount of $23,335.21.

If you need any further information, please let me know.

Change Order

No. 5

Date of Issuance: February 1, 2017 Effective Date:

Project: HIAWATHA WATER AND SEWER EXTENSION	Owner: CITY OF HIAWATHA	Owner's Contract No.: N/A
Contract: HIAWATHA WATER AND SEWER EXTENSION		Date of Contract: December 21, 2015
Contractor: RICKLEFS EXCAVATING, LTD		Engineer's Project No.: 07808006

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

Description: **Change Order #5 balances final quantities as listed on the attached Change Order #5 Quantity Summary.**

Attachments (list documents supporting change):

Project Quantity Adjustment – Change Order No.5

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:	Original Contract Times: ☐ Working days ✓ Calendar days
$1,282,379.00	Milestone 1 Substantial completion (days or date): August 22, 2016 Ready for final payment (days or date): September 21, 2016
[Increase] from previously approved Change Orders No. 1 to No.: 4	NO CHANGE from previously approved Change Orders No. _____ to No. _____:
$4,714.07	Substantial completion (days): NO CHANGE Ready for final payment (days): NO CHANGE
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
$1,287,093.07	Substantial completion (days or date): NO CHANGE Ready for final payment (days or date): NO CHANGE
[Decrease] of this Change Order:	[Increase] of this Change Order:
$23,335.21	Substantial completion (days or date): NO CHANGE Ready for final payment (days or date): NO CHANGE
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
$1,263,757.86	Substantial completion (days or date): NO CHANGE Ready for final payment (days or date): NO CHANGE

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____ Engineer (Authorized Signature)	By: _____ Owner (Authorized Signature)	By: _____ Contractor (Authorized Signature)
Date: 2-6-17	Date: _____	Date: 1/31/17
Approved by Funding Agency (if applicable):		
_____		Date: _____

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating Change Orders to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed in the Agreement, any effect of a Change Order thereon should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order should be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer normally initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from Owner, or both.

Once Engineer has completed and signed the form, all copies should be sent to Owner or Contractor for approval, depending on whether the Change Order is a true order to the Contractor or the formalization of a negotiated agreement for a previously performed change. After approval by one contracting party, all copies should be sent to the other party for approval. Engineer should make distribution of executed copies after approval by both parties.

If a change only applies to price or to times, cross out the part of the tabulation that does not apply.

PROJECT QUANTITY ADJUSTMENT SUMMARY- CHANGE ORDER No. 5

For (contract): Hurwitha Water and Sewer Extension

Effective Date: 2/1/2017

BID ITEM NO.	STD ITEM NO	DESCRIPTION	PLAN QTY	C.O. #2 ADJUSTED QTY	C.O. #5 ADJUSTED QTY	UNIT PRICE	PLAN COST	C.O. #2 ADJUSTED COST	C.O. #2 COST DIFFERENCE	C.O. #5 ADJUSTED COST	C.O. #5 COST DIFFERENCE
1	01100-01	Mobilization	1	1	1	$ 30,000.00	$30,000.00	$30,000.00	$0.00	$30,000.00	$0.00
2	01100-10	Construction Survey	1	1	1	$ 5,000.00	$5,000.00	$5,000.00	$0.00	$5,000.00	$0.00
3	01110-01	Trench Compaction Testing	1	1	1	$ 1,000.00	$1,000.00	$1,000.00	$0.00	$1,000.00	$0.00
4	01110-02	Subgrade and Subbase Compaction Testing	1	1	1	$ 100.00	$100.00	$100.00	$0.00	$100.00	$0.00
5	01110-03	Concrete Maturity Testing for PCC Pavement	1	1	0	$ 10.00	$10.00	$10.00	$0.00	$0.00	-$10.00
6	01200-01	Traffic Control	1	1	1	$ 2,850.00	$2,850.00	$2,850.00	$0.00	$2,850.00	$0.00
7	01300-01	Temporary Erosion and Sediment Controls	1	1	1	$ 500.00	$500.00	$500.00	$0.00	$500.00	$0.00
8	01400-01	Clearing and Grubbing	1	1	1	$ 1,000.00	$1,000.00	$1,000.00	$0.00	$1,000.00	$0.00
9	02000-00	Dewatering (Wet Well & Gravity Sewer)	1	1	1	$ 1,000.00	$1,000.00	$1,000.00	$0.00	$1,000.00	$0.00
10	02000-02	Strip and Respread Topsoil	1	1	1	$ 1,000.00	$1,000.00	$1,000.00	$0.00	$1,000.00	$0.00
11	02000-10	Rock Excavation	100	100	121	$ 45.00	$4,500.00	$4,500.00	$0.00	$5,445.00	$945.00
12	02100-50	Granular Subbase (4" Macadam)	1,225	1,225	1,225	$ 5.00	$6,125.00	$6,125.00	$0.00	$6,125.00	$0.00
13	02200-20	Granular Backfill	2,300	2,300	1,049	$ 13.00	$29,900.00	$29,900.00	$0.00	$13,634.79	-$16,265.21
14	02300-01	Sanitary Sewer Gravity Main: 6" DIA PVC Truss, Open Cut	21	21	21	$ 40.00	$840.00	$840.00	$0.00	$840.00	$0.00
15	02300-01	Sanitary Sewer Gravity Main: 8" DIA PVC Truss, Open Cut	2,891	2,891	2,891	$ 42.00	$121,422.00	$121,422.00	$0.00	$121,422.00	$0.00
16	02300-01	Sanitary Sewer Gravity Main: 12" DIA D.I. Pipe, Open Cut	194	194	194	$ 78.00	$15,132.00	$15,132.00	$0.00	$15,132.00	$0.00
17	02300-01	Sanitary Sewer Gravity Main: 8" DIA PVC C900 CertaLok (or equal), Directionally Drilled	235	235	235	$ 100.00	$23,500.00	$23,500.00	$0.00	$23,500.00	$0.00
18	02300-01	Sanitary Sewer Gravity Main: 12" DIA PVC Truss, Open Cut	60	60	60	$ 50.00	$3,000.00	$3,000.00	$0.00	$3,000.00	$0.00
19	02300-20	Sanitary Sewer Manholes (4' Inside DIA)	15	13	13	$ 3,500.00	$52,500.00	$45,500.00	-$7,000.00	$45,500.00	$0.00
20	02300-30	Sanitary Sewer Force Main: 8" DIA PVC C900 CertaLok (or equal), Directionally Drilled	4,525	4,525	4,525	$ 34.00	$153,850.00	$153,850.00	$0.00	$153,850.00	$0.00
21	02300-30	Sanitary Sewer Force Main (8" Plug Valve)	1	1	1	$ 2,650.00	$2,650.00	$2,650.00	$0.00	$2,650.00	$0.00
22	02300-50	Core Drill Connection to Existing Sanitary Sewer Manhole	1	1	1	$ 400.00	$400.00	$400.00	$0.00	$400.00	$0.00
23	02400-20	Culvert Pipe: 24" DIA CMP Storm Sewer, Salvage and Reinstall	65	65	65	$ 10.00	$650.00	$650.00	$0.00	$650.00	$0.00
24	02400-20	Culvert Pipe: 18" DIA CMP Storm Sewer	10	10	0	$ 30.00	$300.00	$300.00	$0.00	$0.00	-$300.00
25	02400-20	Culvert Pipe: 36" DIA CMP Storm Sewer	78	78	78	$ 55.00	$4,290.00	$4,290.00	$0.00	$4,290.00	$0.00
26	02500-01	Water Main: 12" DIA PVC C900 CertaLok (or equal), (Directionally Drilled)	5,600	5,600	5,600	$ 50.00	$280,000.00	$280,000.00	$0.00	$280,000.00	$0.00
27	02500-01	Water Main: 6" DIA Ductile Iron Hydrant Lead	145	145	140	$ 70.00	$10,150.00	$10,150.00	$0.00	$9,800.00	-$350.00
28	02500-20	Furnish and Install 12" Valve and Box	10	10	9	$ 1,800.00	$18,000.00	$18,000.00	$0.00	$16,200.00	-$1,800.00
29	02500-31	Blow-Off Assemblies: Furnish and Install Automatic Water Main Flushing Devise Eclipse #9800 or Equal	1	1	1	$ 4,000.00	$4,000.00	$4,000.00	$0.00	$4,000.00	$0.00
30	02500-50	Furnish and Install 6" Fire Hydrant and Valve	8	8	8	$ 3,650.00	$29,200.00	$29,200.00	$0.00	$29,200.00	$0.00
31	02500-60	Disinfection and Hydrostatic Testing	1	1	1	$ 250.00	$250.00	$250.00	$0.00	$250.00	$0.00
32	02700-01	Portland Cement Concrete (PCC) Pavement (7" Min Thickness over 6" Class A Roadstone, Remove and Replace)	165	0	0	$ 55.00	$9,075.00	$0.00	-$9,075.00	$0.00	$0.00
33	02700-20	Replace)	65	0	0	$ 50.00	$3,250.00	$0.00	-$3,250.00	$0.00	$0.00
34	02750-01	Hot Mix Asphalt Concrete (ACC) Pavement (4" ACC Over 6" of Compacted Class A Roadstone, Remove and Replace)	215	215	112	$ 35.00	$7,525.00	$7,525.00	$0.00	$3,920.00	-$3,605.00
35	02800-40	Aggregate Surfacing (6" Class A Roadstone for Lift Station Driveway)	1,160	1,160	1,160	$ 6.00	$6,960.00	$6,960.00	$0.00	$6,960.00	$0.00
36	02850-01	Pavement Markings, Paint	1	1	0	$ 1,350.00	$1,350.00	$1,350.00	$0.00	$0.00	-$1,350.00
37	02900-01	Imported Topsoil (contingency)	50	50	0	$ 12.00	$600.00	$600.00	$0.00	$0.00	-$600.00
38	02900-12	Hydroseeding with Liquid Mulch Binder	1	1	1	$ 10,000.00	$10,000.00	$10,000.00	$0.00	$10,000.00	$0.00
39	02910-01	Plantings (Ivory Halo Dogwood (Cornus Alba Bailhalo'))	9	9	9	$ 250.00	$2,250.00	$2,250.00	$0.00	$2,250.00	$0.00
40	02910-01	Plantings (Compact American Cranberry Viburnum (Viburnum Trilobum 'Bailey Compact'))	9	9	9	$ 250.00	$2,250.00	$2,250.00	$0.00	$2,250.00	$0.00
41	02950-01	Fencing: Black Vinyl Chain Link Fencing (8' High)	150	150	150	$ 30.00	$4,500.00	$4,500.00	$0.00	$4,500.00	$0.00
42	02950-10	Gate: (20' Lift Station Access Gate)	1	1	1	$ 1,500.00	$1,500.00	$1,500.00	$0.00	$1,500.00	$0.00
43	-	Package Lift Station (See Specifications for Complete List)	1	1	1	$400,000.00	$400,000.00	$400,000.00	$0.00	$400,000.00	$0.00
44	16010-00	Electrical (Lift Station Electrical Service)	1	1	1	$ 30,000.00	$30,000.00	$30,000.00	$0.00	$30,000.00	$0.00
CO-1											
CO-2							$7,272.00	$7,272.00		$7,272.00	
CO-3								$19,325.00		$19,325.00	
CO-4										$ 3,444.48	
										$ (6,002.41)	
		Totals					$1,289,651.00	$1,289,651.00	-$19,325.00	$1,263,757.86	-$23,335.21

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RESOLUTION NO. 17-
City Council

RESOLUTION APPROVING (BALANCING) CHANGE ORDER #5
2015 Water and Sewer Extension Project

WHEREAS, the City Council of the City of Hiawatha, Iowa, contracted for the 2015 Water and Sewer Extension Project with Ricklefs Excavating, Ltd. of Anamosa, Iowa, and

WHEREAS, the City Engineer has recommended (Balancing) Change Order #5 for the adjustment of contract quantities to the final measured amounts to develop the final contract price with a decrease of $23,335.21, bringing the total revised contract amount to $1,263,757.86, for the 2015 Water and Sewer Extension Project, and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to approve (Balancing) Change Order #5 for the FY 2015 Water and Sewer Extension Project with a decrease in contract amount of $23,335.21, resulting in a revised total project contract amount of $1,263,757.86.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 15th day of February, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk