

Date June 22, 2020

**APPROVING AND AUTHORIZING THE DES MOINES METROPOLITAN WASTEWATER RECLAMATION AUTHORITY (WRA) TO APPROVE CHANGE ORDER NO. 8 WITH S.M. HENTGES & SONS, INC. FOR ADDITIONAL WORK FOR THE LOWER OAK AND HIGHLAND PARK STORM SEWER SEPARATION CONSTRUCTED AS PART OF THE WRA EASTSIDE INTERCEPTOR, PHASE 27, SEGMENT 5 IMPROVEMENTS PROJECT, IN THE AMOUNT OF \$234,588.30 AND AUTHORIZING PAYMENT TO THE WRA**

BE IT RESOLVED by the City Council of the City of Des Moines, Iowa, that it hereby approves and authorizes the Des Moines Metropolitan Wastewater Reclamation Authority to approve Change Order No. 8 in the amount of \$234,588.30 between the WRA and S.M. Hentges & Sons, Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, Minnesota, 55352, for additional work for the Lower Oak and Highland Park Storm Sewer Separation constructed as part of the WRA Eastside Interceptor, Phase 27, Segment 5 improvements project,

BE IT FURTHER RESOLVED that the City Council hereby authorizes and directs payment be made to the WRA in the amount of \$234,588.30 for Change Order No. 8.

(City Council Communication Number 20-281 attached)  
Activity ID 07-2018-005

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED: s/Kathleen Vanderpool  
Kathleen Vanderpool  
Deputy City Attorney

SLN

Funding Source: 2020-21 Pending CIP, Page Sanitary - 5, Lower Oak Park and Highland Park Sewer Separation, SS133, Being: \$134,588.30 in Sanitary Funds, \$, and the remaining \$100,000 in G.O. Bonds transferred from ST013 - Roadway Rehabilitation - Residential

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
GRAY				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				

MOTION CARRIED APPROVED

**CERTIFICATE**

I, P. Kay Cmelik, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk



**CHANGE ORDER AGREEMENT NO. 8**

**Date:** June 18, 2020 **INITIATED BY:** Engineering  
**Contractor:** S. M. Hentges & Sons Inc.  
**Project:** WRA Eastside Interceptor, Phase 27, Segment 5 **Activity ID:** 07-2016-010

**DESCRIPTION OF CHANGE ORDER AND PURPOSE**

The following items in this change order are full and complete compensation for all revisions to East 12th Street, Mattern Avenue and East 13th Street. The general nature of the revisions includes deleting the full depth PCC paving and replacing with full depth HMA, adding a 2" HMA overlay on the west side of East 12 Street and East 13th Street, removing and replacing curb and gutter on the west side of East 12th Street and East 13th Street and replacement of full driveway approaches on both sides of East 12th Street and East 13th Street.

8.01) Saw Cutting: Saw cutting to remove additional curb and gutter as well as cutouts for water service replacements to homes on the east side of East 13th Street.

8.02) Curb and Gutter Removal: Remove curb and gutter on west side of East 12th Street and East 13th Street

8.03) PCC Curb & Gutter – 2' Wide, Hand Place: Hand place 2' wide curb and gutter along the west side of East 13th Street

8.04) PCC Curb & Gutter – 2'-6" Wide: Machine placement of 2'-6" wide PCC curb and gutter along the east side of East 12th Street and the east side of East 13th Street.

8.05) PCC Curb & Gutter – 2'-6" Wide, Hand Place: Hand place 2'-6" wide curb and gutter along the west side of East 12th Street

8.06) Mobilization: Multiple mobilizations for concrete crews to place curb and gutter. Original plan called for PCC paving to be placed integral to the curb and gutter. With the change to HMA, the curb and gutter will be placed in at least three separate sections to allow the streets to be reopened in a more timely manner. Each section of curb and gutter will require a separate mobilization.

8.07) Pavement, HMA, 8" Thickness: The original plans call for PCC paving on the east side of East 12th and East 13th Streets. This item is for the change to HMA paving in lieu of PCC paving where called for.

8.08) Pavement Scarification, 2": The original plans called for the west half of East 12th and East 13th Street to be protected. The revisions call for an HMA mill and overlay to these areas. This item covers the cost to mill the noted areas.

8.09) Pavement, HMA, 2" Overlay: The original plans called for the west half of East 12th and East 13th Street to be protected. The revisions call for an HMA mill and overlay to these areas. This item covers the cost to place an HMA overlay to the noted areas.

8.10) Replace Manhole Castings: The added scope of work requires replacement of two castings. This item covers the cost to furnish and install the Neenah R-1566 and R-1554 castings.

8.11) PCC Manhole Casting Boxouts in HMA: The change from PCC paving to HMA paving adds the need to place concrete boxouts around the manhole castings. This item covers the contractor's cost for materials and labor to construct the PCC boxouts.

8.12) Sanitary Sewer Additional Work: It was discovered that the new storm sewer conflicts with an existing storm sewer in East 12th Street. To resolve the conflict, the new storm sewer will be lowered. The lowering of the new storm sewer will require removal of the invert of the manhole where the north end of the storm sewer ties into the existing. Additionally, the contractor encountered an area near the existing 36" storm sewer in East 12th Street where the previous contractor sealed a pipe penetration by placing a significant amount of concrete around the existing pipe. The removal of this concrete encasement will take a full day of effort to remove to allow proper connections to be made. This item covers the contractor's additional labor to address these two issues.

8.13) Increase Quantity Bid Item 4 – Pavement, Driveway, Sidewalk Removal: The addition of curb and gutter along the west side of East 12th and East 13th will result in the need to replace driveway aprons in this area. This item covers the contractor's additional cost to remove these driveways.

8.14) Increase Quantity Bid Item 6 – Subgrade Preparation: The subgrade preparation quantity for the HMA pavement replacement over the water service connections was inadvertently left out of the bid. This item covers the contractor's additional cost to perform subgrade preparation in these areas.

8.15) Reduce Quantity Bid Item 76 – 8" PCC Pavement: This item covers the reduction in the contract amount resulting from the change to full depth HMA pavement in lieu of 8" PCC pavement.

8.16) Increase Quantity Bid Item 83 – 6" PCC Driveways: The addition of curb and gutter along the west side of East 12th and East 13th will result in the need to replace driveway aprons in this area. This item covers the contractor's additional cost to replace these driveways.

8.17) Increase Quantity Bid Item 91 – Sodding: The addition of curb and gutter replacement along the west side of East 12th and East 13th will result in the need to grade and install sod in this area. This item covers the contractor's additional cost for grading and installing sod.

**SETTLEMENT FOR COST OF CHANGED WORK**

**A. CHANGE OF PLANS TO BE INCLUDED IN AS-BUILT MEASUREMENT OF CONTRACT ITEMS:**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNITS</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
8.13	Increase Quantity Bid Item 4 – Pavement, Driveway, Sidewalk Removal	471.0000 SY	\$7.50	\$3,532.50
8.14	Increase Quantity Bid Item 6 – Subgrade Preparation	238.0000 SY	\$1.25	\$297.50
8.15	Reduce Quantity Bid Item 76 – 8" PCC Pavement	-1,918.0000 SY	\$66.00	(\$126,588.00)
8.16	Increase Quantity Bid Item 83 – 6" PCC Driveways	336.0000 SY	\$42.00	\$14,112.00
8.17	Increase Quantity Bid Item 91 – Sodding	151.0000 SY	\$63.00	\$9,513.00
<b>NET CHANGE PART A</b>				<b>(\$99,133.00)</b>

B. ITEMS FOR WHICH CONTRACT UNIT PRICES ARE NOT ESTABLISHED:

ITEM	DESCRIPTION	UNITS	UNIT PRICE	AMOUNT
8.01	Saw Cutting	1,584.0000 LF	\$4.40	\$6,969.60
8.02	Curb and Gutter Removal	980.0000 LF	\$10.45	\$10,241.00
8.03	PCC Curb & Gutter – 2' Wide, Hand Place	663.0000 LF	\$60.50	\$40,111.50
8.04	PCC Curb & Gutter – 2'-6" Wide	801.0000 LF	\$41.80	\$33,481.80
8.05	PCC Curb & Gutter – 2'-6" Wide, Hand Place	316.0000 LF	\$63.80	\$20,160.80
8.06	Mobilization	4.0000 EACH	\$2,750.00	\$11,000.00
8.07	Pavement, HMA, 8" Thickness	1,930.0000 SY	\$72.60	\$140,118.00
8.08	Pavement Scarification, 2"	1,158.0000 SY	\$5.50	\$6,369.00
8.09	Pavement, HMA, 2" Overlay	920.0000 SY	\$29.70	\$27,324.00
8.10	Replace Manhole Castings	2.0000 EACH	\$825.00	\$1,650.00
8.11	PCC Manhole Casting Boxouts in HMA	22.0000 SY	\$899.80	\$19,795.60
8.12	Sanitary Sewer Additional Work	1.0000 LS	\$16,500.00	\$16,500.00
NET CHANGE PART B				\$333,721.30

**TOTAL** \$234,588.30

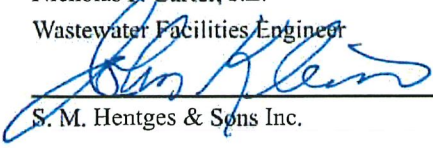
<b>Original Contract Amount</b>	\$13,165,520.62
<b>Previous Change Orders</b>	\$873,166.38
<b>Amount of Change By This Change Order</b>	\$234,588.30
<b>New Contract Amount Including This Change Order</b>	\$14,273,275.30
<b>Percentage of Change Orders to Original Contract</b>	8.41%

 06/18/2020

 06/18/2020

Nicholas E. Carter, P.E. Date  
Wastewater Facilities Engineer

Steven L. Naber, P.E. Date  
Des Moines City Engineer

 6-19-20  
S. M. Hentges & Sons Inc. Date

Scott Hutchens, P.E. Date  
WRA Director

\_\_\_\_\_  
WRA Board Resolution No. Date

Distribution: Original - Project File  
Copy - Prime Contractor  
Copy - Contract Compliance  
Copy - Finance Department  
Copy - Inspection  
Copy - Bob Veenstra - Veenstra & Kimm,  
Inc.

Copy - Nicholas F. Carter, P.E.  
Wastewater Facilities Engineer

FUNDING INFORMATION			
CIP Page	31	Reviewer	_____
Object Code	543040	Adequate	_____
Organization	WR809855	Transfer \$	_____
Project	WR108	Object Code	_____
Activity ID	072016010	Organization	_____
		Project	_____

- 8.01) Saw Cutting: \$6,969.60
- 8.02) Curb and Gutter Removal: \$10,241.00
- 8.03) PCC Curb & Gutter – 2' Wide, Hand Place: \$40,111.50
- 8.04) PCC Curb & Gutter – 2'-6" Wide: \$33,481.80
- 8.05) PCC Curb & Gutter – 2'-6" Wide, Hand Place: \$20,160.80
- 8.06) Mobilization: \$11,000.00
- 8.07) Pavement, HMA, 8" Thickness: \$140,118.00
- 8.08) Pavement Scarification, 2": \$6,369.00
- 8.09) Pavement, HMA, 2" Overlay: \$27,324.00
- 8.10) Replace Manhole Castings: \$1,650.00
- 8.11) PCC Manhole Casting Boxouts in HMA: \$19,795.60
- 8.12) Sanitary Sewer Additional Work: \$16,500.00
- 8.13) Increase Quantity Bid Item 4 – Pavement, Driveway, Sidewalk Removal: \$3,532.50
- 8.14) Increase Quantity Bid Item 6 – Subgrade Preparation: \$297.50
- 8.15) Reduce Quantity Bid Item 76 – 8" PCC Pavement: -\$126,588.00
- 8.16) Increase Quantity Bid Item 83 – 6" PCC Driveways: \$14,112.00
- 8.17) Increase Quantity Bid Item 91 – Sodding: \$9,513.00