

Date June 8, 2020

**APPROVING CHANGE ORDER NO. 1 WITH  
S.M. HENTGES & SONS, INC.  
FOR ADDITIONAL WORK ON  
MAQUOKETA DRIVE STORM SEWER BOX REPLACEMENT,  
IN THE AMOUNT OF \$247,663.65**

BE IT RESOLVED by the City Council of the City of Des Moines, Iowa, that the attached Change Order No. 1 between the City of Des Moines and S.M. Hentges & Sons, Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, Minnesota, 55352, for additional work on Maquoketa Drive Storm Sewer Box Replacement, in the amount of \$247,663.65, be and is hereby approved, and the City Manager is authorized and directed to execute said change order.

(City Council Communication Number 20-257 attached)  
Activity ID 08-2017-009

Moved by s/Kathleen Vanderpool to adopt.

FORM APPROVED: \_\_\_\_\_  
Kathleen Vanderpool  
Deputy City Attorney

Funding Source: 2020-21 CIP, Page Storm – 5, Closes Creek Watershed Improvements, SM068, Storm Revenue Bonds

SLN

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. 1**

**Date:** May 18, 2020 **INITIATED BY:** Engineering  
**Contractor:** S. M. Hentges & Sons Inc.  
**Project:** Maquoketa Drive Storm Sewer Box Replacement **Activity ID:** 08-2017-009

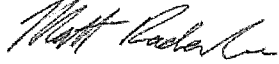
<b>DESCRIPTION OF CHANGE ORDER AND PURPOSE</b>				
<p>This change order provides for additional quantities of subbase over-excavation, modified subbase, foundation stone, geogrid, and man-sand to address the poor soil conditions encountered in the roadway during the installation of the new storm sewer and box culvert. Item 1.01 of this changes order provides for additional vibration monitoring. The contract required that the vibration monitors be utilized during the 84" RCP bore, however a property owner made a request to the City Legal Department that the monitors be left in place throughout the duration of all construction on the project due to claims of excessive vibration. Item 1.02 provides for lowering the sanitary sewer service at 1540 Germania Drive in order to avoid conflict with the new 12x4 RCB. Item 1.03 provides for all work, equipment, labor, and delays associated with the removal of boulders and concrete rubble obstructions encountered during the 84" RCP bore. Item 1.04 provides for all work, equipment, materials and labor to construct a connection between the existing 5x4 box culvert to the new 12x4 box culvert at the west end of the Maquoketa Drive. This connection allowed for the existing box culvert to remain in service from the east side of 41st Street to the west end of Maquoketa Drive. Item 1.05 provides for the removal and re-installation of 48" RCP pipe P-20 at a flatter slope in order to avoid a conflict with an exisiting underground fiber optic line.</p>				
<b>SETTLEMENT FOR COST OF CHANGED WORK</b>				
<b>A. CHANGE OF PLANS TO BE INCLUDED IN AS-BUILT MEASUREMENT OF CONTRACT ITEMS:</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNITS</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
5	Subgrade Treatment, Geogrid, Type 2	6,600.0000 SY	\$2.15	\$14,190.00
8	Trench Foundation	2,642.5100 TON	\$46.25	\$122,216.09
17	Storm Sewer, HDPE, 30"	-275.0000 LF	\$90.50	(\$24,887.50)
53	Manhole, SW-401, 60" ID	-4.0000 EACH	\$5,500.00	(\$22,000.00)
82	Subbase Over-Excavation, Modified Subbase	193.2500 TON	\$42.60	\$8,232.45
129	Manufactured Sand	739.2600 TON	\$66.00	\$48,791.16
			<b>NET CHANGE PART A</b>	<b>\$146,542.20</b>
<b>B. ITEMS FOR WHICH CONTRACT UNIT PRICES ARE NOT ESTABLISHED:</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNITS</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
1.01	Vibration Monitoring, Monthly	8.0000 EACH	\$5,524.08	\$44,192.64
1.02	Lower Sewer Service under RCB	1.0000 LS	\$1,952.66	\$1,952.66

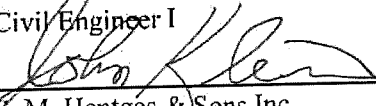
1.03 Removal of Obstructions during 84" Bore	1.0000 LS	\$32,600.38	\$32,600.38
1.04 Connect Existing Culvert to New RCB	1.0000 LS	\$11,900.94	\$11,900.94
1.05 Remove and Re-lay Pipe P-20	1.0000 LS	\$10,474.83	\$10,474.83

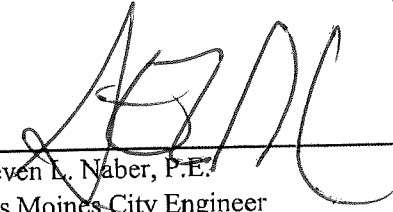
NET CHANGE PART B \$101,121.45


**TOTAL** \$247,663.65

**Original Contract Amount** \$6,639,796.65  
**Previous Change Orders** \$0.00  
**Amount of Change By This Change Order** \$247,663.65  
**New Contract Amount Including This Change Order** \$6,887,460.30  
**Percentage of Change Orders to Original Contract** 3.73%

 6/1/2020  
 Matt Radermacher, P.E. Date  
 Civil Engineer I

 6-1-20  
 S. M. Hentges & Sons Inc. Date

DMK  06-02-2020  
 Steven L. Naber, P.E. Date  
 Des Moines City Engineer

 06/05/2020  
 Scott E. Sanders Date  
 City Manager

Roll Call No. \_\_\_\_\_ Date \_\_\_\_\_

Distribution: Original - Project File  
 Copy - Prime Contractor  
 Copy - Contract Compliance  
 Copy - Finance Department  
 Copy - Inspection  
 Copy - Public Works- Dan Pritchard

Copy - Matt Radermacher, P.E.  
 Civil Engineer I

FUNDING INFORMATION			
CIP Page	Storm - 5	Reviewer	DMK
Object Code	543030	Adequate	X
Organization	E304PW99	Transfer \$	_____
Project	SM068	Object Code	_____
Activity ID	082017009	Organization	_____
		Project	_____

Provide rock stabilization and geogrid to address poor soil conditions.