

★ **Roll Call Number**

Agenda Item Number

14C

DATE October 14, 2019

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR S.E. 1ST AND VAN BUREN STORM SEWER, S. M. HENTGES & SONS INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the S.E. 1st and Van Buren Storm Sewer, 08-2018-002, in accordance with the contract approved between S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352, under Roll Call No. 18-0315, of February 19, 2018, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

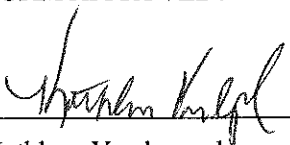
BE IT FURTHER RESOLVED: That \$1,370,985.31 is the total cost, of which \$1,329,855.76 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$41,129.55 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE



 Kathleen Vanderpool
 Deputy City Attorney



 Robert L. Fagen
 Des Moines Finance Director

SLN Funding Source: 2019-2020 CIP, Page Storm – 6, Flood Mitigation Improvements, SM087, Being: State Flood Mitigation funds

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	

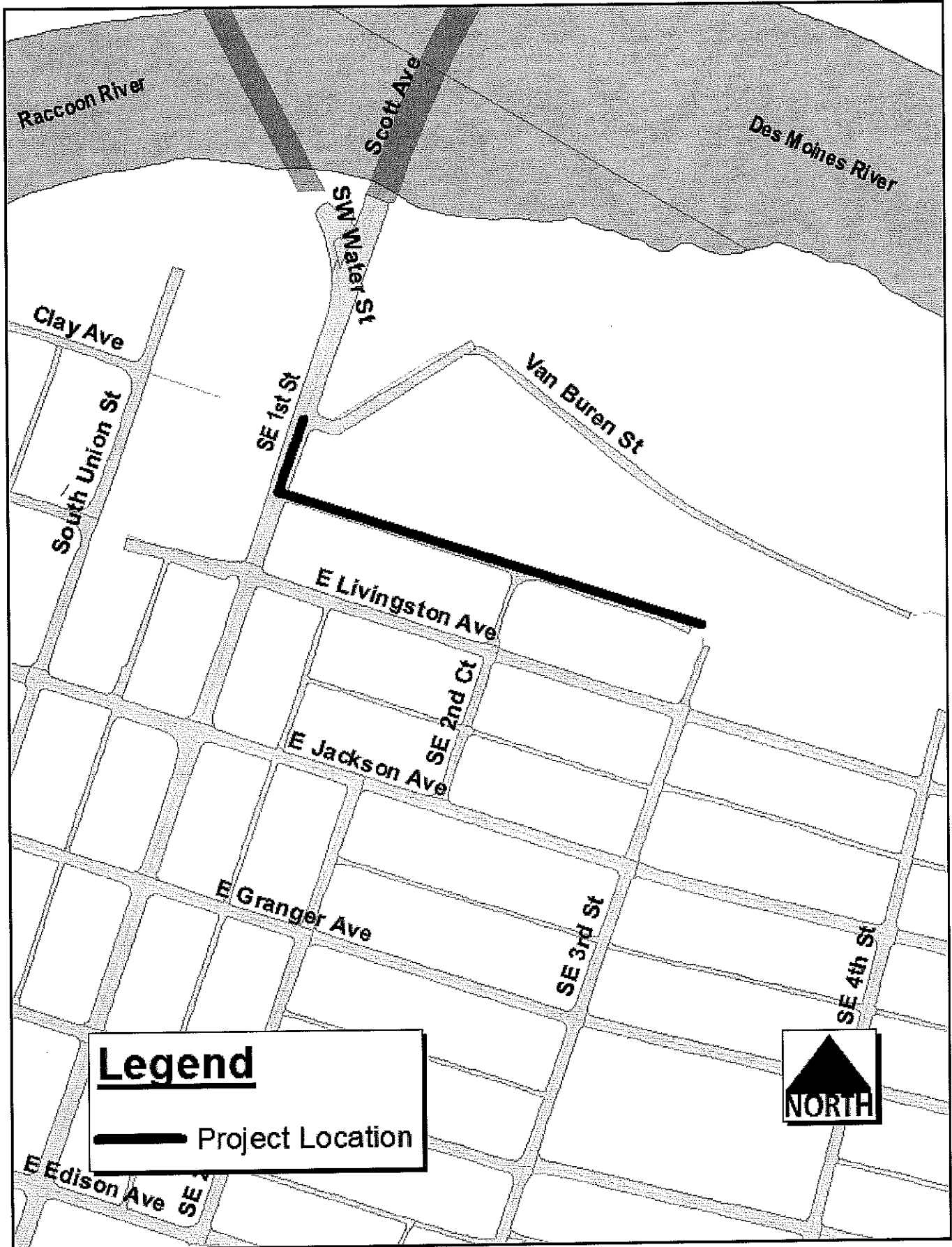
CERTIFICATE

I, LAURA BAUMGARTNER, Acting 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



Legend

 Project Location



PROJECT SUMMARY

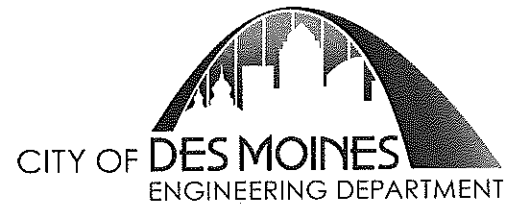
S.E. 1st and Van Buren Storm Sewer

Activity ID 08-2018-002

On February 19, 2018, under Roll Call No. 18-0315, the Council awarded the contract for the above improvements to S. M. Hentges & Sons Inc., in the amount of \$1,368,195.85. Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Initiated By</u>	<u>Description</u>	<u>Amount</u>
1	Engineering	1/4/2019 Adjust plan quantities to as-built quantities.	\$2,789.46
		Original Contract Amount	\$1,368,195.85
		Total Change Orders	\$2,789.46
		Percent of Change Orders to Original Contract	0.20%
		Total Contract Amount	\$1,370,985.31

October 14, 2019



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the S.E. 1st and Van Buren Storm Sewer, S. M. Hentges & Sons Inc.

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$1,370,985.31 As-Built Contract Cost

Funding Source: 2019-2020 CIP, Page Storm – 6, Flood Mitigation Improvements, SM087, Being: State Flood Mitigation funds

CERTIFICATION OF COMPLETION:

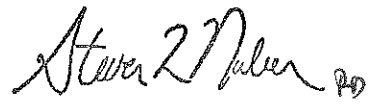
On February 19, 2018, under Roll Call No. 18-0315, the City Council awarded a contract to S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352 for the construction of the following improvement:

S.E. 1st and Van Buren Storm Sewer, 08-2018-002

The improvement includes constructing new storm sewer using Reinforced Concrete Pipe (RCP) in sizes of 15-inches, 24-inches, and 60-inches, cast-in-place manholes and intakes, 8-inch sanitary sewer, 4-inch, 6-inch, and 7-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, pavement markings, erosion control, fencing, restoration and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 590-221/245, located near E. Livingston Avenue from S.E. 1st Street to S.E. 3rd Street, Des Moines, Iowa

I hereby certify that the construction of said S.E. 1st and Van Buren Storm Sewer, Activity ID 08-2018-002, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on April 25, 2018, and was completed on September 18, 2019.

I further certify that \$1,370,985.31 is the total cost of said improvement, of which \$1,329,855.76 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$41,129.55 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.



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

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



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ESTIMATE OF CONSTRUCTION COMPLETED

FINAL QUANTITY AGREEMENT

PROJECT: S.E. 1ST AND VAN BUREN STORM SEWER
CONTRACTOR: S.M. HENTGES & SONS

Activity ID: 08-2018-002
Date: 12/18/2018

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Traffic Control	LS	1.000	1.000	1.000	\$9,525.00	\$9,525.00
2	Preconstruction Crack and Damage Survey	LS	1.000	1.000	1.000	\$6,120.00	\$6,120.00
3	Construction Survey	LS	1.000	1.000	1.000	\$30,000.00	\$30,000.00
4	Mobilization	LS	1.000	1.000	1.000	\$159,000.00	\$159,000.00
5	Concrete Washout	LS	1.000	1.000	1.000	\$750.00	\$750.00
6	Clearing & Grubbing	LS	1.000	1.000	1.000	\$9,690.00	\$9,690.00
7	Subgrade Preparation	SY	1,016.000	1,016.000	1,016.000	\$2.35	\$2,387.60
8	Modified Subbase, 6-inch Depth	SY	904.000	974.400	974.400	\$10.55	\$10,279.92
9	Sanitary Sewer, Trenched, DIP, 8-inch	LF	25.000	0.000	0.000	\$198.00	\$0.00
10	Removal of Sanitary Sewer, DIP 8-inch	LF	25.000	0.000	0.000	\$4.75	\$0.00
11	Storm Sewer, Trenched, Class III RCP, 15-inch	LF	25.000	25.000	25.000	\$108.00	\$2,700.00
12	Storm Sewer, Trenched, Class III RCP, 24-inch	LF	10.000	0.000	0.000	\$255.00	\$0.00
13	Storm Sewer, Trenched, Class III RCP, 60-inch	LF	748.000	748.000	748.000	\$298.00	\$222,904.00
14	Storm Sewer, Trenched, Class IV RCP, 60-inch	LF	171.000	171.000	171.000	\$623.00	\$106,533.00
15	Storm Sewer, Trenchless, Class IV RCP, 60-inch	LF	216.000	216.000	216.000	\$1,770.00	\$382,320.00
16	Removal of Storm Sewer, RCP, 15-inch	LF	25.000	25.000	25.000	\$15.00	\$375.00
17	Removal of Storm Sewer, RCP, 24-inch	LF	30.000	30.000	30.000	\$15.00	\$450.00
18	RCP Storm Sewer Plug with Gasket, 60-inch Diameter	EA	1.000	1.000	1.000	\$1,620.00	\$1,620.00
19	Manhole, SW-404, 10-FT x 10-FT Cast-In-Place with 48-inch ID Riser	EA	4.000	4.000	4.000	\$45,111.00	\$180,444.00
20	Manhole, SW-404, 10-FT x 4-FT Cast-In-Place with 48-inch ID Riser	EA	2.000	2.000	2.000	\$37,715.00	\$75,430.00
21	Intake, SW-511	EA	1.000	0.000	0.000	\$3,715.00	\$0.00
22	Remove Manhole	EA	1.000	1.000	1.000	\$774.00	\$774.00
23	Remove Intake	EA	1.000	0.000	0.000	\$195.00	\$0.00
24	Pavement, PCC, 7-inch Thickness	SY	122.000	132.000	132.000	\$126.00	\$16,632.00
25	Curb and Gutter, PCC, 2.0 FT Width	LF	220.000	323.000	323.000	\$58.25	\$18,814.75
26	HMA Pavement, HT Base Course, 3/4-inch Mix	TON	264.000	287.600	287.600	\$119.00	\$34,224.40
27	HMA Pavement, HT Intermediate Course, 1/2-inch Mix	TON	67.000	87.060	87.060	\$105.00	\$9,141.30
28	HMA Pavement, HT Surface Course, 1/2-inch Mix, No Friction Required	TON	67.000	114.020	114.020	\$105.00	\$11,972.10
29	Granular Surfacing	TON	680.000	581.220	581.220	\$22.75	\$13,222.75

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
30	Sidewalk Removal	SY	98.000	330.900	330.900	\$11.00	\$3,639.90
31	Driveway Removal	SY	112.000	0.000	0.000	\$16.25	\$0.00
32	Sidewalk, PCC, 4-inch Thickness	SY	98.000	330.900	330.900	\$71.00	\$23,493.90
33	Driveway, Paved, PCC, 6-inch Thickness	SY	112.000	30.300	30.300	\$82.00	\$2,484.60
34	Pavement Removal	SY	978.000	1,048.000	1,048.000	\$8.00	\$8,384.00
35	Painted Pavement Markings, Durable	STA	5.500	11.680	11.680	\$378.00	\$4,415.04
36	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 1	AC	0.300	0.300	0.300	\$2,550.00	\$765.00
37	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 4	AC	0.800	0.000	0.000	\$2,856.00	\$0.00
38	Sod	SQ	218.000	184.400	184.400	\$12.25	\$2,258.90
39	Stabilized Construction Entrance	LS	1.000	1.000	1.000	\$1,465.00	\$1,465.00
40	Remove Existing Fence	LF	753.000	413.000	413.000	\$3.05	\$1,259.65
41	Chain Link Fence, Galvanized, 4-FT Height	LF	509.000	298.000	298.000	\$18.15	\$5,408.70
42	Wood Picket Fence, 6-FT Height	LF	244.000	115.000	115.000	\$29.25	\$3,363.75
43	Temporary Chain Link Fence, 6-FT Height	LF	80.000	0.000	0.000	\$6.90	\$0.00
44	Tree Protection Fence	LF	1,000.000	527.000	527.000	\$6.15	\$3,241.05
45	Tree Trunk Protection	EA	4.000	0.000	0.000	\$153.00	\$0.00
46	Filter Sock	LF	1,000.000	34.000	34.000	\$2.05	\$69.70
47	Silt Fence	LF	1,000.000	0.000	0.000	\$2.80	\$0.00
1.01	HMA Patching at ADA Ramps	LS	0.000	1.000	1.000	\$1,100.00	\$1,100.00
1.02	PCC Manhole Boxout	EA	0.000	2.000	2.000	\$880.00	\$1,760.00
1.03	Truncated Domes	SF	0.000	40.000	40.000	\$55.00	\$2,200.00
1.04	CMS Boards	LS	0.000	1.000	1.000	\$1,896.30	\$1,896.30
1.05	Post Construction Interior Damage Survey Credit	LS	0.000	1.000	1.000	-\$1,530.00	(\$1,530.00)
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$1,370,985.31				
PARTIAL PAYMENT #1			\$94,241.27				
PARTIAL PAYMENT #2			\$647,742.53				
PARTIAL PAYMENT #3			\$435,632.61				
PARTIAL PAYMENT #4			\$140,578.38				
PARTIAL PAYMENT #5			\$11,660.97				
THIS FINAL PAYMENT			\$0.00				
TOTAL PARTIAL PAYMENTS			\$1,329,855.76				
BALANCE			\$41,129.55				

TOTAL	\$1,370,985.31
RETAINAGE	\$41,129.55
TOTAL LESS RETAINAGE	\$1,329,855.76
LESS PREVIOUS PAYMENT	\$1,329,855.76
AMOUNT DUE	\$0.00

PREPARED BY: _____

CHECKED BY: _____

CONTRACTOR AGREEMENT OF FINAL QUANTITIES: _____

FINAL QUANTITY AGREEMENT