

DATE December 17, 2012

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR COURT AVENUE AND WATER STREET SEWER SEPARATION, H & W CONTRACTING LLC**

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 Court Avenue and Water Street Sewer Separation, 08-2009-003, in accordance with the contract approved between H & W Contracting LLC, Thomas L. Hurd, President, 3416 West Hovland Avenue, Sioux Falls, SD 57107, under Roll Call No. 11-0473, of March 14, 2011, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

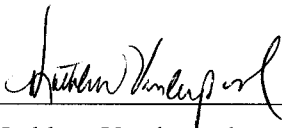
BE IT FURTHER RESOLVED: That \$4,202,279.09 is the total cost, of which \$4,192,279.09 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$10,000.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

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.

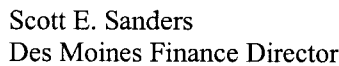
Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:



Kathleen Vanderpool  
Deputy City Attorney



  
Scott E. Sanders  
Des Moines Finance Director

Funding Source: 2012-2013 CIP, Page Storm-6, Court Avenue/Water Street Sewer Separation, STE081, Being: \$1,296,841.98 in HUD Disaster funds (Federal Jumpstart Infrastructure Assistance funds ) from the Iowa Department of Economic Development (portion of the \$1,610,000 grant allocated for Phase 2 storm sewer construction costs), \$1,116,180.03 in I-JOBS II Targeted Disaster Relief Grant funds (portion of the \$3,050,000 I-JOBS II Grant), \$275,023.43 from Des Moines Water Works, and the remaining \$1,514,233.65 in City Storm Water Utility Funds

08-DRI-032, I-JOBS #501

★ Roll Call Number

Agenda Item Number

10E

DATE December 17, 2012

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED APPROVED

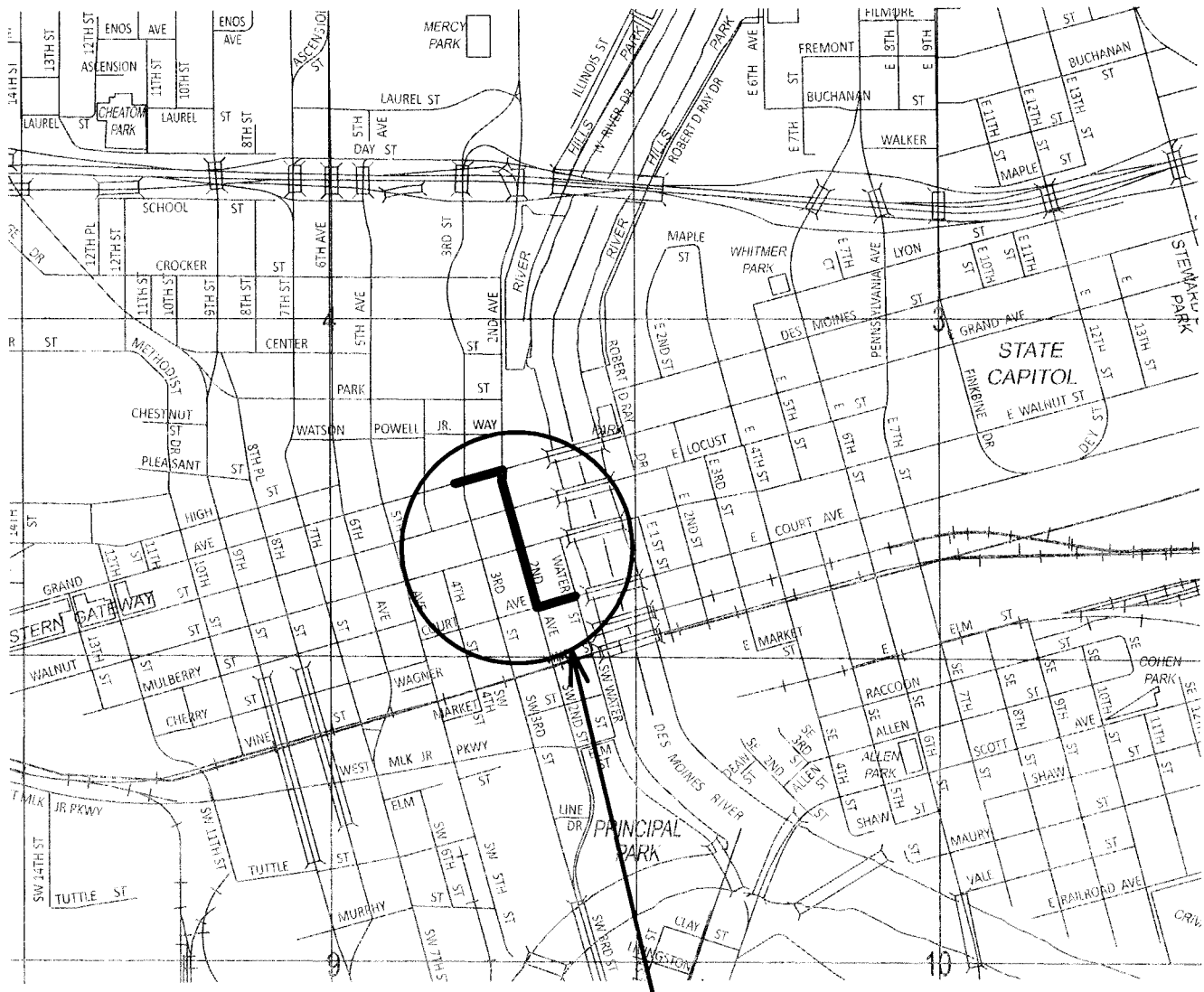
Mayor

**CERTIFICATE**

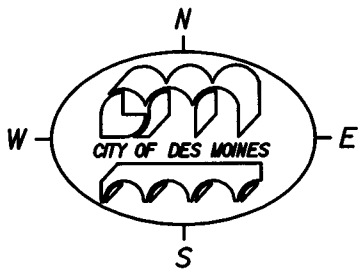
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

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

City Clerk



**PROJECT  
LOCATION**



**COURT AVENUE & WATER STREET  
SEWER SEPARATION  
ACTIVITY I.D. 08-2009-003**



10E

## PROJECT SUMMARY

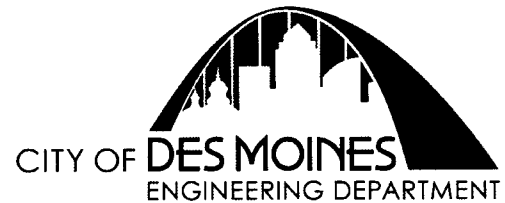
### Court Avenue and Water Street Sewer Separation

#### Activity ID 08-2009-003

On March 14, 2011, under Roll Call No. 11-0473, the Council awarded the contract for the above improvements to H & W Contracting LLC, in the amount of \$3,977,311.75. Tabulated below is a history of project change orders.

<b>Change Order No.</b>	<b>Initiated By</b>	<b>Description</b>	<b>Amount</b>
1	Engineering	5/25/2011 Modifications to the traffic signal system and placement of temporary signals to protect the existing decorative signal poles. Add a traffic camera to help facilitate the traffic congestion.	\$17,228.37
2	Engineering	7/19/2011 Replace east lane of 2nd Avenue from Walnut to Locust Street due to its condition and the ability to tie-into the new adjacent lane; provide additional pavement support above existing electric duct; remove abandoned barrels that were uncovered.	\$10,802.02
3	City	7/25/2011 Line the the 60-inch sanitary sewer along Walnut Street to avoid a potential for the sewer to collapse during the boring operation.	\$120,395.00
4	City	9/21/2011 Additional items associated wth the relocation of the water main along 2nd Avenue.	\$16,200.00
5	City	1/4/2012 Add traffic control and temporary pavement; add manholes to facilitate sewer cleaning.	\$20,057.00
6	Contractor	3/6/2012 Additional work required due to unknown trolley tracks, repair vehicular damage to traffic signal system, drainage grate modifications adjacent to parking garage pavement to meet ADA requirements.	\$23,597.73
7	Engineering	5/21/2012 Additional work to abandon a water service stub.	\$8,114.48

December 17, 2012



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the Court Avenue and Water Street Sewer Separation, H & W Contracting LLC.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$4,202,279.09 As-Built Contract Cost

Funding Source: 2012-2013 CIP, Page Storm-6, Court Avenue/Water Street Sewer Separation, STE081, Being:

\$1,296,841.98 in HUD Disaster funds (Federal Jumpstart Infrastructure Assistance funds) from the Iowa Department of Economic Development (portion of the \$1,610,000 grant allocated for Phase 2 storm sewer construction costs), \$1,116,180.03 in I-JOBS II Targeted Disaster Relief Grant funds (portion of the \$3,050,000 I-JOBS II Grant), \$275,023.43 from Des Moines Water Works, and the remaining \$1,514,233.65 in City Storm Water Utility Funds

**CERTIFICATION OF COMPLETION:**

On March 14, 2011, under Roll Call No. 11-0473, the City Council awarded a contract to H & W Contracting LLC, Thomas L. Hurd, President, 3416 West Hovland Avenue, Sioux Falls, SD 57107 for the construction of the following improvement:

Court Avenue and Water Street Sewer Separation, 08-2009-003

The improvement includes construction of storm sewer ranging from 12" to 66" diameter, storm sewer structures, sanitary conflict structures, storm sewer jacked in place, watermain, traffic signal system, and portland cement concrete paving, subdrain, sidewalks, brick sidewalks and crosswalks, hot mix asphalt overlays, pavement markings, and miscellaneous associated work including cleanup and other incidental items; in accordance with the contract documents, including Plans File Nos. 527-024/101, located in Court Avenue from Water Street to 2nd Avenue, 2nd Avenue from Court Avenue to Grand Avenue, and Grand Avenue from 2nd Avenue to 3rd Street in downtown Des Moines, Iowa

I hereby certify that the construction of said Court Avenue and Water Street Sewer Separation, Activity ID 08-2009-003, 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 March 28, 2010, and was completed on November 30, 2012.

I further certify that \$4,202,279.09 is the total cost of said improvement, of which \$4,192,279.09 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 \$10,000.00 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.



Jeb E. Brewer, P.E.  
Des Moines City Engineer



**ESTIMATE OF CONSTRUCTION COMPLETED**  
FOR WORK DONE FROM 10/31/12 to 11/05/12  
**FINAL PAYMENT (PAYMENT NO. 19)**

Proj No: 08-2009-003  
Activity ID: 08-2009-003  
Date: 11/5/12

**PROJECT: COURT AVENUE & WATER STREET SEWER SEPARATION**  
**CONTRACTOR: H & W CONTRACTING LLC**

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
1	TRAFFIC CONTROL - DIVISION 1	LS	1.0	1.000	1.000	\$80,000.00
2	CONSTRUCTION STAKING - DIVISION 1	LS	1.0	1.000	1.000	\$21,500.00
3	MOBILIZATION	LS	1.0	1.000	1.000	\$193,000.00
4	PROJECT SIGN	EACH	2.0	2.000	1.000	\$250.00
5	CLEARING AND GRUBBING	DI	24.0	24.000	22.000	\$990.00
6	TREE PROTECTION	LS	1.0	1.000	1.000	\$2,000.00
7	TREE PROTECTION FENCE	LF	478.0	478.000	183.000	\$2.50
8	REMOVAL OF EXISTING MANHOLE/INTAKE	EACH	15.0	15.000	14.000	\$450.00
9	PAVEMENT REMOVAL/DISPOSITION	SY	8,061.0	8,069.900	8,221.000	\$12.75
10	SIDEWALK, DRIVEWAY, REMOVAL/DISPOSITION	SY	1,813.0	1,813.000	2,265.000	\$12.00
11	REMOVAL OF EXISTING PIPE - LESS THAN 36"	LF	265.0	265.000	160.000	\$15.00
12	SUBGRADE PREPARATION	SY	8,100.0	8,100.000	6,920.800	\$4.50
13	MODIFIED SUBBASE	SY	7,823.0	7,823.000	7,784.800	\$8.00
14	SUBDRAIN, TYPE 1	LF	1,880.0	1,880.000	1,372.000	\$12.00
15	STORM SEWER JACKED IN PLACE, 54" RCPP C-25 MOD.	LF	304.0	344.000	344.000	\$1,200.00
16	STORM SEWER JACKED IN PLACE, 66" RCPP C-25 MOD.	LF	128.0	128.000	128.000	\$1,250.00
17	STORM SEWER, 12" CLASS 5 RCP	LF	6.0	6.000	5.000	\$125.00
18	STORM SEWER, 15" CLASS 3 RCP	LF	85.0	85.000	108.000	\$130.00
19	STORM SEWER, 15" CLASS 3 RCP	LF	88.0	88.000	30.200	\$134.00
20	STORM SEWER, 18" CLASS 3 RCP	LF	134.0	134.000	187.700	\$132.00
21	STORM SEWER, 18" CLASS 3 RCP	LF	72.0	72.000	0.000	\$138.00
22	STORM SEWER, 24" CLASS 3 RCP	LF	30.0	30.000	21.500	\$145.00
23	STORM SEWER, 42" CLASS 3 RCP	LF	45.0	45.000	32.000	\$315.00
24	STORM SEWER, 15" RCPP B-25	LF	150.0	150.000	123.700	\$130.00
25	STORM SEWER, 18" RCPP B-25	LF	129.0	129.000	20.000	\$144.00
26	STORM SEWER, 18" RCPP C-25	LF	41.0	41.000	51.000	\$155.00
27	STORM SEWER, 24" RCPP B-25	LF	88.0	88.000	19.800	\$165.00
28	STORM SEWER, 24" RCPP C-25	LF	17.0	17.000	85.100	\$175.00
29	STORM SEWER, 42" RCPP C-25	LF	20.0	20.000	11.000	\$400.00
30	STORM SEWER, 54" RCPP B-25	LF	546.0	546.000	495.500	\$350.00
31	STORM SEWER, 54" RCPP C-25	LF	669.0	669.000	582.700	\$570.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT	
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
73	HMA COMMERCIAL MIX	TON	60.0	0.000	0.000	\$150.00	\$0.00
74	HMA 1M S 1/2, VARIABLE THICKNESS	TON	30.0	0.000	0.000	\$150.00	\$0.00
75	PAVEMENT SCARIFICATION, MILLED	SY	2,175.0	2,175.000	2,144.300	\$15.00	\$32,164.50
76	PCC DRIVEWAY, 8" C-4	SY	11.0	11.000	372.020	\$80.00	\$29,761.61
77	PCC DRIVEWAY, 12" C-4	SY	50.0	50.000	32.300	\$95.00	\$3,068.50
78	PCC DRIVEWAY, 12" M-4	SY	111.0	111.000	0.000	\$100.00	\$0.00
79	PCC SIDEWALK, 4" C-4 BASE WITH BRICK	SY	95.0	95.000	179.000	\$95.00	\$17,005.00
80	PCC SIDEWALK, 8" C-4 BASE WITH BRICK	SY	135.0	135.000	19.100	\$125.00	\$2,387.50
81	PCC SIDEWALK, 6" C-4	SY	1,495.0	1,495.000	1,662.360	\$50.00	\$83,118.01
82	DETECTABLE WARNINGS, BRICK PAVERS	SF	136.0	136.000	136.200	\$45.00	\$6,129.00
83	DETECTABLE WARNINGS, PANELS	SF	156.0	156.000	284.000	\$35.00	\$9,940.00
84	PCC CURB, TYPE 1	LF	419.0	419.000	381.000	\$25.00	\$9,525.00
85	PCC CURB, TYPE 2	LF	66.0	66.000	58.000	\$25.00	\$1,450.00
86	PCC CURB, TYPE 3	LF	88.0	88.000	86.000	\$25.00	\$2,150.00
87	PCC DECORATIVE CROSSWALK BORDER	SY	56.0	0.000	0.000	\$85.00	\$0.00
88	TEMPORARY GRANULAR SURFACING MATERIAL	TON	300.0	300.000	373.300	\$21.00	\$7,839.30
89	TRAFFIC SIGNALIZATION	LS	1.0	1.000	1.000	\$84,000.00	\$84,000.00
90	INLET FILTER, COMPOST FILTER TUBE	LF	1,500.0	176.000	176.000	\$2.50	\$440.00
91	REMOVE LIGHT POLES, STORE AND RESET	EACH	4.0	4.000	4.000	\$2,400.00	\$9,600.00
92	SOD	SQ	5.0	5.000	7.100	\$90.00	\$639.00
93	LANDSCAPE CRUSHED BRICK CHIPS	TON	20.0	20.000	28.500	\$150.00	\$4,275.00
94	FLAGGERS	DAY	200.0	222.000	348.250	\$500.00	\$174,125.00
95	EROSION CONTROL	LS	1.0	1.000	1.000	\$4,800.00	\$4,800.00
96	PAINTED PAVEMENT MARKINGS, DURABLE	STA	79.0	79.000	61.100	\$160.00	\$9,776.00
97	PAINTED SYMBOL AND LEGEND, DURABLE	EACH	7.0	7.000	4.000	\$200.00	\$800.00
98	PAINTED PAVEMENT MARKINGS, WATERBORNE	STA	25.0	25.000	37.100	\$65.00	\$2,411.50
99	PAINT MARKING REMOVED	STA	27.0	27.000	0.000	\$28.00	\$0.00
100	SYMBOL AND LEGEND, REMOVED	EACH	2.0	2.000	0.000	\$75.00	\$0.00
101	PERMANENT TAPE MARKINGS	STA	41.0	41.000	32.000	\$345.00	\$11,040.00
102	ARCHAEOLOGICAL SUPPORT	HOURL	240.0	57.000	57.000	\$185.00	\$10,545.00
103	PIPE PLUGS	EACH	10.0	10.000	9.000	\$750.00	\$6,750.00
104	12" DUCTILE IRON PIPE	LF	643.0	643.000	653.000	\$185.00	\$120,805.00
105	8" DUCTILE IRON PIPE	LF	7.0	7.000	16.000	\$180.00	\$2,880.00





LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
2.01	Mobilization for 2nd Avenue Paving	LS	0.0	1.000	1.000	\$1,870.00
2.02	Traffic Control for 2nd Avenue Paving	LS	0.0	1.000	1.000	\$2,159.00
2.03	Survey for 2nd Avenue Paving	LS	0.0	1.000	1.000	\$760.00
2.04	Additional Steel for 2nd Avenue Paving	LB	0.0	2,712.000	3,676.000	\$0.96
2.05	Fuel Barrel Removal	LS	0.0	1.000	1.000	\$1,972.00
2.06	Intake Casting at 2nd Avenue and Walnut	LS	0.0	1.000	1.000	\$449.00
2.07	Road Stone	TON	0.0	19.120	19.120	\$51.70
3.01	60-inch Sewer Lining	LS	0.0	1.000	1.000	\$120,395.00
4.01	Manufactured Sand Backfill	TON	0.0	300.000	300.000	\$21.00
4.02	Removal of Unsuitable Material	LOAD	0.0	15.000	20.000	\$540.00
4.03	Additional Sheeting for Thrust Restraint	LF	0.0	36.000	36.000	\$50.00
5.01	Compacted Asphalt Millings	TON	0.0	15.840	15.840	\$50.00
5.02	J-Manhole	EACH	0.0	2.000	4.000	\$6,500.00
5.03	Additional Traffic Control - Dam to Dam	LS	0.0	1.000	1.000	\$265.00
5.04	Triple M-D Intake	EACH	0.0	1.000	3.000	\$6,000.00
6.01	Replace Traffic Cable at 2nd & Court and 2nd and Locust	LS	0.0	1.000	1.000	\$1,446.00
6.02	Replace Pedestrian Signal NE corner 2nd and Walnut	LS	0.0	1.000	1.000	\$927.00
6.03	Replace Pedestrian Signal and Hardware 2nd and Court	LS	0.0	1.000	1.000	\$1,265.00
6.04	Additional Modified Subbase	TON	0.0	175.600	175.600	\$35.50
6.05	Removal of Trolley Tracks	SY	0.0	891.700	1,095.000	\$12.75
6.06	Temporary Pavement -6-inch PCC	SY	0.0	387.200	436.000	\$60.00
6.07	Drain Adjustment in Parking Garage	EACH	0.0	2.000	2.000	\$605.00
6.08	Parking Lot Area Drain	EACH	0.0	1.000	1.000	\$1,210.00
6.09	Curb and Gutter, 8-inch Depth	LF	0.0	69.500	69.500	\$60.50
6.10	Reconstruct M-F, Top Only	EACH	0.0	2.000	3.000	\$2,500.00
7.01	Water Service Pit Excavation	LS	0.0	1.000	1.000	\$4,500.00
7.02	Traffic Control for Water Service	WEEK	0.0	1.000	1.000	\$675.00
7.03	Daily Rental Steel Plate/Traffic Control	DAY	0.0	4.000	4.000	\$325.00
8.01	Closure for Top of Birds Run Sewer	EACH	0.0	2.000	2.000	\$2,450.00
8.02	Traffic Signal Conduit at 2nd and Grand (South Side)	LS	0.0	1.000	1.000	\$2,828.00
8.03	Modifications to the Traffic Signal Base on NW Corner 2nd and Locust	LS	0.0	1.000	1.000	\$3,232.00
8.04	Remove and Replace Handhole at 3rd and Grand	LS	0.0	1.000	1.000	\$2,035.00
8.05	Sanitary Sewer Removal and Replacement	LS	0.0	1.000	1.000	\$5,556.00
9.01	6-Inch Water Main Repair, 3rd and Grand	LS	0.0	1.000	1.000	\$14,675.00
10.02	TRAFFIC SIGNAL HANDHOLE AT 2ND & GRAND	LS	0.0	1.000	1.000	\$3,410.00
10.03	FIBER REPAIR AND CONDUIT AT 3RD & GRAND AVENUE SE CORN	LS	0.0	1.000	1.000	\$1,748.00
10.04	FIBER AND TRAFFIC SIGNAL CONDUIT REPAIR AT 2ND & GRAND	LS	0.0	1.000	1.000	\$3,927.00
10.05	TYPE A SIDEWALK - CURB ONLY	SY	0.0	22.700	22.700	\$65.00
10.06	2ND & GRAND - COLORED CONCRETE	LS	0.0	1.000	1.000	\$376.45
10.07	2ND & LOCUST - SAWCUT FOOTING BY WALL & REMOVE	LS	0.0	1.000	1.000	\$270.00
10.08	CIVIC CENTER - REMOVE & REPLACE STEP	LS	0.0	1.000	1.000	\$2,629.44

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LINE NO.	DESCRIPTION	UNIT	UNITS		ESTIMATED	CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			AUTHORIZED	TO DATE				
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS				\$4,202,279.09			
	PARTIAL PAYMENT NO. 1				\$34,457.45			
	PARTIAL PAYMENT NO. 2				\$308,564.37			
	PARTIAL PAYMENT NO. 3				\$262,614.70			
	PARTIAL PAYMENT NO. 4				\$164,242.73			
	PARTIAL PAYMENT NO. 5				\$345,882.70			
	PARTIAL PAYMENT NO. 6				\$699,756.24			
	PARTIAL PAYMENT NO. 7				\$440,566.48			
	PARTIAL PAYMENT NO. 8				\$145,416.36			
	PARTIAL PAYMENT NO. 9				\$307,157.44			
	PARTIAL PAYMENT NO. 10				\$21,980.15			
	PARTIAL PAYMENT NO. 11				\$82,419.58			
	PARTIAL PAYMENT NO. 12				\$162,250.96			
	PARTIAL PAYMENT NO. 13				\$267,564.95			
	PARTIAL PAYMENT NO. 14				\$291,109.46			
	PARTIAL PAYMENT NO. 15				\$256,430.09			
	PARTIAL PAYMENT NO. 16				\$112,341.31			
	PARTIAL PAYMENT NO. 17				\$148,190.45			
	PARTIAL PAYMENT NO. 18				\$141,333.67			
	THIS PARTIAL PAYMENT				\$0.00			
	TOTAL PARTIAL PAYMENTS				\$4,192,279.09			
	BALANCE				\$10,000.00			
							TOTAL	\$4,202,279.09
							RETAINAGE	\$10,000.00
							TOTAL LESS RETAINAGE	\$4,192,279.09
							LESS PREVIOUS PAYMENT	\$4,192,279.09
							AMOUNT DUE	\$0.00

FINAL PAYMENT (PAYMENT NO. 19)

PREPARED BY: 

CHECKED BY: 

CONTRACTOR: 