



**Roll Call Number**

**Agenda Item Number**

10D

DATE September 13, 2021

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR RIVER BEND AND KING IRVING SEWER SEPARATION PHASE 2B, CORELL CONTRACTOR, 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 River Bend and King Irving Sewer Separation Phase 2B, 072019003, in accordance with the contract approved between Corell Contractor, Inc., Grant S. Corell, President, 1300 Lincoln Street, West Des Moines, IA 50265, under Roll Call No. 19-2075, of December 16, 2019, 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 \$2,687,416.77 is the total cost, of which \$2,606,794.27 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 \$80,622.50 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 Director of Finance 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

s/Kathleen Vanderpool

Nickolas J. Schaul *RB*

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

**SLN** Funding Source: 2021-2022 CIP, Page 93, River Bend and King Irving Sewer Separation, SS138, Being: **PW** \$2,572,424.30 in SRF funding issued; and the remaining \$114,992.47 from Des Moines Water Works

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

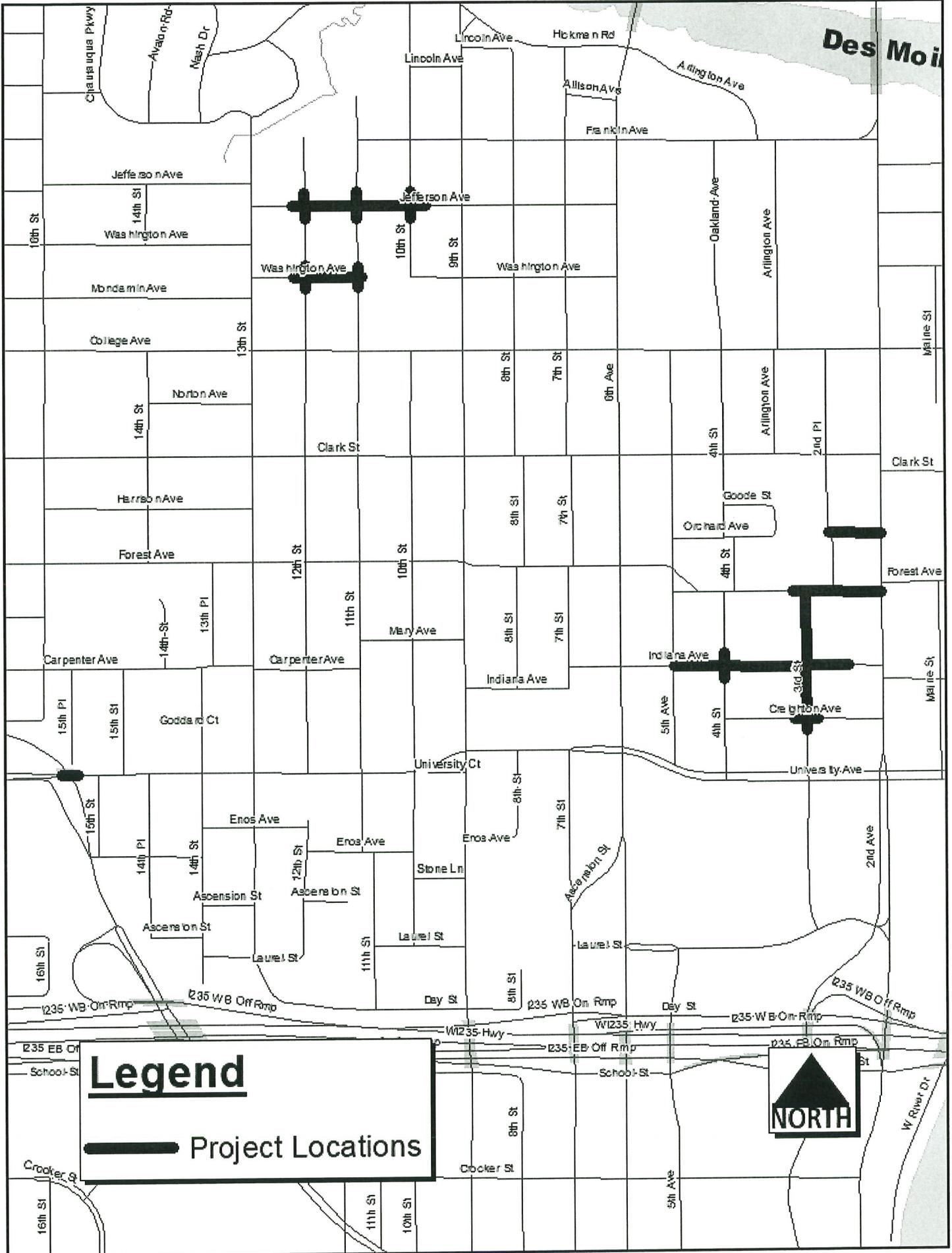
I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

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

Mayor

City Clerk

Des Moines



# Legend

 Project Locations





10D

## PROJECT SUMMARY

### River Bend and King Irving Sewer Separation Phase 2B

#### Activity ID 072019003

On December 16, 2019, under Roll Call No. 19-2075, the Council awarded the contract for the above improvements to Corell Contractor, Inc., in the amount of \$2,706,122.15. 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	Contractor	6/7/2021 Addition of Des Moines Water Works bid items due to a water main break, abandonment of water services, sewer service replacement, clean outs, pipe restocking, and adjustment of quantities to the as-built quantities.	\$(18,705.38)
		<b>Original Contract Amount</b>	\$2,706,122.15
		<b>Total Change Orders</b>	\$(18,705.38)
		<b>Percent of Change Orders to Original Contract</b>	(0.69)%
		<b>Total Contract Amount</b>	\$2,687,416.77

10D

September 13, 2021



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the River Bend and King Irving Sewer Separation Phase 2B, Corell Contractor, Inc.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$2,687,416.77 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page 93, River Bend and King Irving Sewer Separation, SS138, Being: \$2,572,424.30 in SRF funding issued; and the remaining \$114,992.47 from Des Moines Water Works

**CERTIFICATION OF COMPLETION:**

On December 16, 2019, under Roll Call No. 19-2075, the City Council awarded a contract to Corell Contractor, Inc., Grant S. Corell, President, 1300 Lincoln Street, West Des Moines, IA 50265 for the construction of the following improvement:

River Bend and King Irving Sewer Separation Phase 2B, 072019003

This improvement includes approximately 3,487 feet of 15-inch through 24-inch storm sewer in open cut construction, sanitary sewer, water main and paving, manholes, special structures, water main relocation, pavement removal, Portland Cement Concrete (PCC) curb and gutter, PCC pavement, Hot Mix Asphalt (HMA) pavement, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents, including Plan File No. 608-001/117, located on Jefferson Avenue from 10th Street to 12th Street, on Washington Avenue from 11th Street to 12th Street, on Forest Avenue from 2nd Avenue to 3rd Street, on 3rd Street from Forest Avenue to Creighton Avenue, on Indiana Avenue from west of 2nd Avenue to 5th Street and on the alley between 2nd Avenue and 2nd Place north of Forest Avenue, in Des Moines, Iowa

I hereby certify that the construction of said River Bend and King Irving Sewer Separation Phase 2B, Activity ID 072019003, 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 20, 2020, and was completed on August 23, 2021.

I further certify that \$2,687,416.77 is the total cost of said improvement, of which \$2,606,794.27 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 \$80,622.50 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



ESTIMATE OF CONSTRUCTION COMPLETED  
FOR WORK DONE FROM 1/1/2021 to 1/31/2021  
PARTIAL PAYMENT NO. 8 (FINAL)

CITY OF DES MOINES

PROJECT: RIVER BEND AND KING IRVING SEWER SEPARATION - PHASE 2B

ACTIVITY ID 07-2019-003

CONTRACTOR: CORELL CONTRACTOR, INC.

DATE: 8/2/2021

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	CLEARING AND GRUBBING	UNIT	44.000	88.000	88.000	\$ 87.50	\$7,700.00
2	TOPSOIL, OFF SITE	CY	580.000	500.000	500.000	\$ 25.00	\$12,500.00
3	EXCAVATION, CLASS 10	CY	2,300.000	2,300.000	2,300.000	\$ 30.00	\$69,000.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	SY	3,550.000	4,366.000	4,366.000	\$ 7.50	\$32,745.00
5	SUBGRADE PREPARATION, 12 IN. DEPTH	SY	4,743.000	4,721.000	4,721.000	\$ 7.50	\$35,407.50
6	SUBGRADE TREATMENT, FLY ASH	SY	1,400.000	0.000	0.000	\$ 16.00	\$0.00
7	SUBGRADE TREATMENT, GEOGRID TYPE 2 OR 3	SY	3,320.000	1,011.000	1,011.000	\$ 5.00	\$5,055.00
8	SUBBASE, MODIFIED	SY	8,293.000	8,533.000	8,533.000	\$ 15.00	\$127,995.00
9	REPLACEMENT OF UNSUITABLE MATERIAL	TONS	3,440.000	3,913.350	3,913.350	\$ 30.00	\$117,400.50
10	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 12"	LF	46.000	46.000	46.000	\$ 550.00	\$25,300.00
11	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 14"	LF	10.000	10.000	10.000	\$ 1,000.00	\$10,000.00
12	REPAIR SANITARY SEWER	EA	5.000	6.000	6.000	\$ 4,850.00	\$29,100.00
13	REMOVAL OF SANITARY SEWER, 12"	LF	46.000	46.000	46.000	\$ 90.00	\$4,140.00
14	REMOVAL OF SANITARY SEWER, 15"	LF	10.000	10.000	10.000	\$ 300.00	\$3,000.00
15	STORM SEWER, TRENCHED, RCP, CL3, 15"	LF	1,683.000	1,691.000	1,691.000	\$ 133.00	\$224,903.00
16	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 15"	LF	331.000	331.000	331.000	\$ 182.00	\$60,242.00
17	STORM SEWER, TRENCHED, RCP, CL5, 15"	LF	548.000	548.000	548.000	\$ 160.00	\$87,680.00
18	STORM SEWER, TRENCHED, GASKETED RCP, CL5, 15"	LF	65.000	65.000	65.000	\$ 125.00	\$8,125.00
19	STORM SEWER, TRENCHED, RCP, CL3, 18"	LF	41.000	41.000	41.000	\$ 135.00	\$5,535.00
20	STORM SEWER, TRENCHED, RCP, CL3, 24"	LF	790.000	790.000	790.000	\$ 157.00	\$124,030.00
21	STORM SEWER, TRENCHED, DI, CL52, 14"	LF	29.000	29.000	29.000	\$ 225.00	\$6,525.00
22	REMOVAL OF STORM SEWER, VCP OR RCP, 6" TO 15"	LF	265.000	265.000	265.000	\$ 80.00	\$21,200.00
23	STORM SEWER ABANDONMENT, FILLED PLUG	LF	12.000	24.000	24.000	\$ 125.00	\$3,000.00
24	MANHOLE ADJUSTMENT, PCC DIAMOND	EA	8.000	6.000	6.000	\$ 5,000.00	\$30,000.00
25	SUBDRAIN, TYPE 1, 6"	LF	600.000	941.000	941.000	\$ 23.00	\$21,643.00
26	SUBDRAIN OUTLETS AND CONNECTIONS, TYPE 1, 6"	EA	2.000	5.000	5.000	\$ 1,000.00	\$5,000.00
27	MANHOLE, SW 401, 48"	EA	3.000	3.000	3.000	\$ 4,200.00	\$12,600.00
28	MANHOLE, SW 401, 60"	EA	1.000	1.000	1.000	\$ 9,300.00	\$9,300.00
29	INTAKE, SW 501	EA	19.000	18.000	18.000	\$ 3,400.00	\$61,200.00
30	INTAKE, SW 501 MOD	EA	1.000	1.000	1.000	\$ 6,000.00	\$6,000.00
31	INTAKE, SW 502, 48"	EA	6.000	6.000	6.000	\$ 4,500.00	\$27,000.00
32	INTAKE, SW 502, 60"	EA	1.000	1.000	1.000	\$ 8,500.00	\$8,500.00
33	INTAKE, SW 505	EA	3.000	3.000	3.000	\$ 5,500.00	\$16,500.00
34	INTAKE, SW 507	EA	3.000	4.000	4.000	\$ 7,000.00	\$28,000.00
35	INTAKE, SW 511	EA	1.000	1.000	1.000	\$ 5,000.00	\$5,000.00

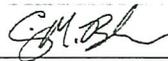
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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
36	INTAKE, SW 511 MOD	EA	2.000	2.000	2.000	\$ 5,000.00	\$10,000.00
37	CONNECT TO TRENCH DRAIN	EA	1.000	1.000	1.000	\$ 4,500.00	\$4,500.00
38	CONNECTION TO EXISTING INTAKE/MANHOLE	EA	4.000	2.000	2.000	\$ 3,600.00	\$7,200.00
39	REMOVE MANHOLE	EA	2.000	3.000	3.000	\$ 1,750.00	\$5,250.00
40	REMOVE INTAKE	EA	14.000	14.000	14.000	\$ 1,750.00	\$24,500.00
41	PAVEMENT, PCC, 6"	SY	25.000	0.000	0.000	\$ 115.00	\$0.00
42	PAVEMENT, PCC, 8"	SY	153.000	388.000	388.000	\$ 126.00	\$48,888.00
43	CURB AND GUTTER, PCC, 6", 2'-6" WIDE	LF	5,435.000	5,065.000	5,065.000	\$ 23.25	\$117,761.25
44	CURB AND GUTTER, PCC, 8", 2'-6" WIDE	LF	15.000	15.000	15.000	\$ 23.00	\$345.00
45	PAVEMENT, HMA LT, BASE COURSE	TONS	1,335.000	1,440.410	1,440.410	\$ 110.00	\$158,445.10
46	PAVEMENT, HMA LT, SURFACE COURSE	TONS	1,220.000	1,147.090	1,147.090	\$ 112.00	\$128,474.08
47	REMOVAL OF SIDEWALK	SY	876.000	955.000	955.000	\$ 10.00	\$9,550.00
48	REMOVAL OF DRIVEWAY	SY	378.000	425.000	425.000	\$ 12.00	\$5,100.00
49	SIDEWALK, PCC, 4" THICK	SY	533.000	578.000	578.000	\$ 57.00	\$32,946.00
50	SIDEWALK, PCC, 6" THICK	SY	288.000	394.000	394.000	\$ 69.00	\$27,186.00
51	DETECTABLE WARNING	SF	502.000	522.000	522.000	\$ 52.00	\$27,144.00
52	DRIVEWAY, PCC, 6" THICK	SY	377.000	414.000	414.000	\$ 86.00	\$35,604.00
53	DRIVEWAY, PCC, 7" THICK	SY	22.000	57.000	57.000	\$ 92.00	\$5,244.00
54	DRIVEWAY, GRANULAR	TON	13.000	6.380	6.380	\$ 50.00	\$319.00
55	PAVEMENT SCARIFICATION	SY	3,340.000	2,238.000	2,238.000	\$ 9.70	\$21,708.60
56	PAVEMENT REMOVAL	SY	7,920.000	8,648.000	8,648.000	\$ 16.50	\$142,692.00
57	REMOVE AND REINSTALL SIGN	EA	34.000	25.000	25.000	\$ 165.00	\$4,125.00
58	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$ 96,000.00	\$96,000.00
59	HYDRAULIC SEEDING, FERTILIZING AND MULCHING	AC	1.000	0.810	0.810	\$ 9,570.00	\$7,751.70
60	STORMWATER POLLUTION PREVENTION	LS	1.000	1.000	1.000	\$ 11,000.00	\$11,000.00
61	FILTER SOCK, 9" DIA	LF	1,612.000	758.000	758.000	\$ 5.50	\$4,169.00
62	FILTER SOCK REMOVAL	LF	1,612.000	758.000	758.000	\$ 2.20	\$1,667.60
63	INLET PROTECTION DEVICE	EA	36.000	27.000	27.000	\$ 205.00	\$5,535.00
64	CHAIN LINK FENCE, 48", SALVAGE, REPLACE	LF	30.000	30.000	30.000	\$ 42.50	\$1,275.00
65	MODULAR BLOCK RETAINING WALL, SALVAGE, RESTACK	SF	155.000	0.000	0.000	\$ 75.00	\$0.00
66	LIMESTONE RETAINING WALL, SALVAGE, RESTACK	SF	81.000	0.000	0.000	\$ 75.00	\$0.00
67	RECYCLED CONCRETE RETAINING WALL, SALVAGE, RESTACK	SF	56.000	56.000	56.000	\$ 75.00	\$4,200.00
68	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	7.000	9.480	9.480	\$ 1,725.00	\$16,353.00
69	CONSTRUCTION STAKING	LS	1.000	1.000	1.000	\$ 27,500.00	\$27,500.00
70	MOBILIZATION	LS	1.000	1.000	1.000	\$ 242,200.00	\$242,200.00
71	TREE PROTECTION FENCE, 4' HIGH	LF	90.000	90.000	90.000	\$ 8.25	\$742.50
72	TREE TRUNK PROTECTION	EA	9.000	9.000	9.000	\$ 330.00	\$2,970.00
73	TREE TRIMMING	EA	1.000	1.000	1.000	\$ 8,250.00	\$8,250.00
74	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1.000	1.000	1.000	\$ 25,000.00	\$25,000.00
75	TEMPORARY MAILBOXES	EA	7.000	0.000	0.000	\$ 550.00	\$0.00
76	8" TYPE 3 WATER MAIN ALTERATION	EA	2.000	0.000	0.000	\$ 11,500.00	\$0.00
77	6" REMOVE AND REPLACE HYDRANT ASSEMBLY	EA	1.000	1.000	1.000	\$ 11,600.00	\$11,600.00
78	8" REMOVE AND REPLACE HYDRANT ASSEMBLY	EA	5.000	5.000	5.000	\$ 11,900.00	\$59,500.00
79	8" REMOVE AND RELOCATE HYDRANT ASSEMBLY	EA	1.000	1.000	1.000	\$ 19,000.00	\$19,000.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
80	1" WATER SERVICE PARTIAL REPLACEMENT (OPPOSITE SIDE)	EA	14.000	3.000	3.000	\$ 5,500.00	\$16,500.00
81	FOUNDATION ROCK	TON	20.000	0.000	0.000	\$ 45.00	\$0.00
82	MANUFACTURED SAND	TON	50.000	205.370	205.370	\$ 50.00	\$10,268.50
1.01	ABANDON WATER SERVICE (MINOR)	EA	0.000	5.000	5.000	\$ 3,000.00	\$15,000.00
1.02	ABANDON WATER SERVICE (MAJOR)	EA	0.000	1.000	1.000	\$ 6,250.00	\$6,250.00
1.03	4" CLEAN OUT	EA	0.000	2.000	2.000	\$ 1,875.00	\$3,750.00
1.04	6" CLEAN OUT	EA	0.000	1.000	1.000	\$ 560.00	\$560.00
1.05	ORANGEBURG SANITARY SEWER SERVICE (301 INDIANA AVE)	LS	0.000	1.000	1.000	\$ 4,470.79	\$4,470.79
1.06	DUCTILE IRON AND PVC PIPE MATERIAL	LS	0.000	1.000	1.000	\$ 2,971.68	\$2,971.68
1.07	CURB AND GUTTER, PCC, 6", 2'-6" WIDE	LF	0.000	65.000	65.000	\$ 23.25	\$1,511.25
1.08	PAVEMENT, HMA LT, BASE COURSE	TON	0.000	24.970	24.970	\$ 110.00	\$2,746.70
1.09	PAVEMENT, HMA LT, SURFACE COURSE	TON	0.000	24.810	24.810	\$ 112.00	\$2,778.72
1.10	REMOVAL OF SIDEWALK	SY	0.000	16.000	16.000	\$ 10.00	\$160.00
1.11	REMOVAL OF DRIVEWAY	SY	0.000	16.000	16.000	\$ 12.00	\$192.00
1.12	SIDEWALK, PCC, 4" THICK	SY	0.000	11.000	11.000	\$ 57.00	\$627.00
1.13	SIDEWALK, PCC, 6" THICK	SY	0.000	5.000	5.000	\$ 69.00	\$345.00
1.14	DRIVEWAY, PCC, 6" THICK	SY	0.000	19.000	19.000	\$ 86.00	\$1,634.00
1.15	PAVEMENT SCARIFICATION	SY	0.000	108.000	108.000	\$ 9.70	\$1,047.60
1.16	PAVEMENT REMOVAL	SY	0.000	129.000	129.000	\$ 16.50	\$2,128.50
1.17	MOBILIZATION	LS	0.000	1.000	1.000	\$ 1,453.20	\$1,453.20
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$2,687,416.77				
PARTIAL PAYMENT NO. 1			\$342,149.94				
PARTIAL PAYMENT NO. 2			\$454,995.68				
PARTIAL PAYMENT NO. 3			\$648,282.45				
PARTIAL PAYMENT NO. 4			\$614,754.02				
PARTIAL PAYMENT NO. 5			\$416,700.94				
PARTIAL PAYMENT NO. 6			\$128,642.99				
PARTIAL PAYMENT NO. 7			\$1,268.25				
THIS PARTIAL PAYMENT NO. 8			\$0.00				
TOTAL PARTIAL PAYMENTS			\$2,606,794.27				
BALANCE			\$80,622.50				

TOTAL	\$2,687,416.77
RETAINAGE	\$80,622.50
TOTAL LESS RETAINAGE	\$2,606,794.27
LESS PREVIOUS PAYMENT	\$2,606,794.27
AMOUNT DUE	\$0.00

PREPARED BY: JOHN MOZENA, V&K

CHECKED BY: 

PARTIAL PAYMENT NO. 8 (FINAL)

Des Moines Water Works bid items in the original contract include Line No. 76, 77, 78, 79, 81, and 82. Des Moines Water Works bid items in Change Order 1 include Line No. 1.07 to 1.17. Des Moines Water Works total for the specified Line Numbers is \$114,992.47.