

DATE October 21, 2013

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR LOWER UNION PARK SEWER SEPARATION, CRAMER AND ASSOCIATES, INC. & MERCHANTS
BONDING COMPANY (MUTUAL)**

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 Lower Union Park Sewer Separation, 08-2010-008, in accordance with the contract approved between Cramer and Associates, Inc. & Merchants Bonding Company (Mutual), Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111, under Roll Call No. 10-1163, of July 12, 2010, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

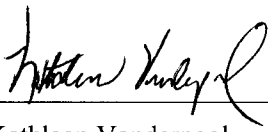
BE IT FURTHER RESOLVED: That \$4,681,674.86 is the total cost, of which \$4,430,726.24 has been paid the Contractor, and \$16,864.88 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$234,083.74 is to be paid at the end of thirty days, with funds 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.

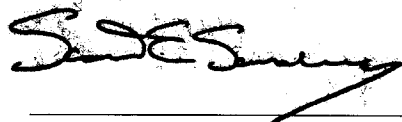
Moved by _____ to adopt.

FORM APPROVED:




Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE



Scott E. Sanders
Des Moines Finance Director

 Funding Source: 2013-2014 CIP, Page Sanitary - 7, CSS - Lower Union Park Sewer Separation Project, SS126, Being: \$4,631,004.23 in HUD Disaster funds from the Iowa Economic Department Authority for 100% of construction costs associated with the Lower Union Park Sewer Separation (\$5,000,000 maximum) in Federal Jumpstart Infrastructure Assistance funds, with the remaining \$50,670.63 to be reimbursed by the Des Moines Water Works

08-DRI-033

★ **Roll Call Number**

Agenda Item Number

9C

DATE October 21, 2013

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

MOTION CARRIED

APPROVED

Mayor

CERTIFICATE

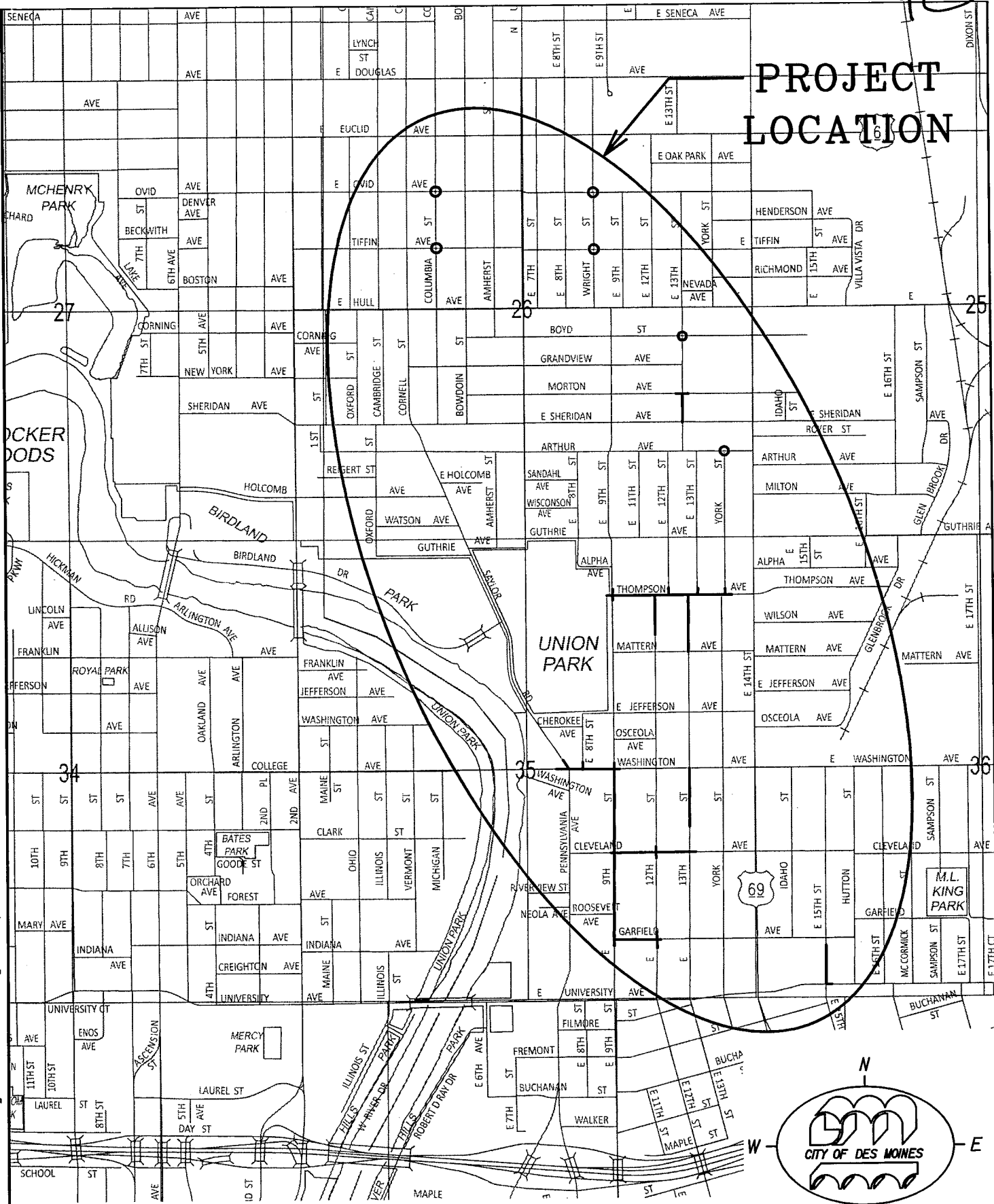
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

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

City Clerk

9C

**PROJECT
LOCATION**



TR/ENG Design 1081-2010-008 Map Loc. Map.DGN 15-APR-2010 11:16

**LOWER UNION PARK
STORM SEWER IMPROVEMENTS
ACTIVITY ID 08-2010-008**

PROJECT SUMMARY

Lower Union Park Sewer Separation

Activity ID 08-2010-008

On July 12, 2010, under Roll Call No. 10-1163, the Council awarded the contract for the above improvements to Cramer and Associates, Inc. & Merchants Bonding Company (Mutual), in the amount of \$4,337,374.40. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	10/13/2010 Manufactured Sand backfill	\$13,750.00
2	Engineering	12/16/2010 Install 4" subdrain in Thompson Ave.	\$7,125.00
3	Engineering	12/29/2010 Subgrade replacement with modified subbase.	\$24,083.00
4	Engineering	3/30/2011 Delete 9" PCC and add 8" PCC with 2" HMA	\$7,674.00
5	Engineering	5/25/2011 Revise outlet sewer to the Des Moines River.	\$11,461.10
6	Engineering	6/1/2011 E. 12th St. subgrade replacement with modified subbase.	\$23,149.27
7	Contractor	7/26/2011 Add 60" manhole over existing 36" storm sewer, to provide jacking pit site clearance.	\$15,418.00
8	Contractor	8/2/2011 Provide HMA millings on E. 13th St. south of Washington Ave.	\$2,040.95
9	Engineering	8/30/2011 E. Thompson Ave. subgrade replacement with modified subbase.	\$20,116.65
10	Engineering	9/9/2011 Removal of traffic signals at E. 9th St. & Cleveland Ave.	\$2,774.60
11	Engineering	10/14/2011 Relocate the existing fire hydrant at E. Ovid Ave. & Columbia Ave.	\$3,500.00

12	Contractor	10/24/2011 Miscellaneous construction items	\$19,260.00
13	Contractor	11/23/2011 Provide for crossing below a 12" High Pressure Gas Line.	\$9,240.00
14	Contractor	12/2/2011 8" water main relocation at E. 9th & Cleveland.	\$7,455.00
15	Engineering	12/7/2011 E. 9th St. subgrade replacement with modified subbase.	\$17,734.76
16	Contractor	12/29/2011 Construct pipe supports under storm sewer and place ductile iron section in sewer services at sewer crossing.	\$10,323.08
17	Contractor	4/26/2012 Additional lane line striping; add concrete wall and chain link fence replacement at sewer outlet.	\$6,798.15
18	Contractor	4/30/2012 Water service repair on shallow watermain (cost share by DMWW).	\$532.00
19	City	7/18/2012 Subgrade replacement with HMA millings of Cleveland Avenue, due to poor soil structure quality.	\$21,599.09
20	City	9/4/2012 Remove and replace water mains at E. 12th St. & Garfield Avenue, being paid by DMWW.	\$24,715.63
21	City	9/10/2012 Additional Garfield Avenue replacement due to deteriorated condition.	\$24,264.50
22	Contractor	10/12/2012 Additional pavement removal and replacement in E. 9th Street due to uncovered abandoned railroad ties.	\$24,700.00
23	City	1/4/2013 Subgrade stabilization for Garfield Avenue between E.9th-E.12th Streets; place additional topsoil at Union Park restoration staging area.	\$24,750.56
24	City	4/10/2013 Additional E. 9th HMA overlay and sanitary manholes.	\$21,720.25
25	Engineering	10/11/2013 Adjust contract to as-built quantities.	\$114.87
		Original Contract Amount	\$4,337,374.40
		Total Change Orders	\$344,300.46
		Percent of Change Orders to Original Contract	7.94%
		Total Contract Amount	\$4,681,674.86

9C

October 21, 2013

CERTIFICATION OF COMPLETION



AGENDA HEADING:

Accepting completed construction and approving final payment for the Lower Union Park Sewer Separation, Cramer and Associates, Inc. & Merchants Bonding Company (Mutual).

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$4,681,674.86 As-Built Contract Cost

Funding Source: 2013-2014 CIP, Page Sanitary - 7, CSS - Lower Union Park Sewer Separation Project, SS126, Being: \$4,631,004.23 in HUD Disaster funds from the Iowa Economic Development Authority for 100% of construction costs associated with the Lower Union Park Sewer Separation (\$5,000,000 maximum) in Federal Jumpstart Infrastructure Assistance funds, with the remaining \$50,670.63 to be reimbursed by the Des Moines Water Works

CERTIFICATION OF COMPLETION:

On July 12, 2010, under Roll Call No. 10-1163, the City Council awarded a contract to Cramer and Associates, Inc. & Merchants Bonding Company (Mutual), Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111 for the construction of the following improvement:

Lower Union Park Sewer Separation, 08-2010-008

This improvement includes approximately 9,300 linear feet of 12-inch through 60-inch storm sewer pipe, 880 linear feet of 12-inch through 20-inch sanitary sewer pipe, 24,000 square yards of PCC pavement, 1,500 tons of 2-inch HMA overlay, 1,800 square yards of PCC driveway, 3,450 square yards of PCC sidewalk, storm and sanitary manholes, intakes, sanitary sewer service line, erosion control, tree removal and protection, sewer abandonment and other related items; all in accordance with the contract documents, including Plan File Nos. 517-050/121. This project is located along Thompson Avenue from East Ninth Street to York Street, on East 12th Street and on East 13th Street from Thompson Avenue to Mattern Avenue, on East Washington Avenue from Pennsylvania Avenue to East Ninth Street, on East Ninth Street from East Washington Avenue to Garfield Avenue, on Cleveland Avenue from East Ninth Street to East 13th Street, on Garfield Avenue from East Ninth Street to East 12th Street, on East 13th Street from East Washington Avenue south 1/2 block, on East 15th Street from Garfield Avenue to East University Avenue and on East 13th Street from Morton Avenue to East Sheridan Avenue; all in the City of Des Moines, Iowa

I hereby certify that the construction of said Lower Union Park Sewer Separation, Activity ID 08-2010-008, 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 August 26, 2010, and was completed on October 14, 2013.

I further certify that \$4,681,674.86 is the total cost of said improvement, of which \$4,430,726.24 has been paid the Contractor and \$16,864.88 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$234,083.74 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.

A handwritten signature in black ink, appearing to read "JEB Brewer" with a stylized flourish at the end. A small circled "20" is written at the bottom right of the signature.

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



ESTIMATE OF CONSTRUCTION COMPLETED

FOR WORK DONE FROM 5/2/13 to 10/9/13

FINAL PAYMENT NO. 24

Proj No: 08-2010-008
Activity ID: 08-2010-008
Date: 10/10/13

PROJECT: LOWER UNION PARK SEWER SEPARATION
CONTRACTOR: CRAMER & ASSOCIATES, INC.

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
1	Large Project Sign - IDED	LS	1.000	1.000	1.000	\$1,500.00
2	Mobilization	LS	1.000	1.000	1.000	\$95,000.00
3	Field Office and Staging Area	LS	1.000	1.000	1.000	\$89,594.00
4	Traffic Control	LS	1.000	1.000	1.000	\$50,000.00
5	Driveway, Alley, Sidewalk Removal/Disposition	SY	5,454.000	4,731.500	4,731.500	\$33,120.50
6	Pavement Removal/Disposition	SY	21,221.000	23,213.800	23,213.800	\$162,496.60
7	Subgrade Preparation	SY	23,980.000	19,900.630	19,900.630	\$74,627.36
8	PCC Pavement, 8"	SY	12,877.000	13,070.860	13,070.860	\$588,188.70
9	PCC Pavement, 9"	SY	2,118.000	1,392.240	1,392.240	\$72,396.48
10	PCC Pavement, 8" Base, Integral Curb	SY	6,158.000	8,845.790	8,845.790	\$398,060.55
11	PCC Curb and Gutter, 8", 3.0' Wide	LF	15.000	107.600	107.600	\$3,766.00
12	Milling for Resurfacing	SY	7,605.000	5,309.960	5,309.960	\$21,239.84
13	HMA IM S 1/2, 2" Thickness	TON	1,502.000	1,827.870	1,827.870	\$137,090.25
14	PCC Alley, 7" Type C, 5'-10" Radius	SY	192.000	309.600	309.600	\$10,526.40
15	PCC Driveway, 6" Type A	SY	1,824.000	2,284.380	2,284.380	\$73,100.16
16	PCC Sidewalk, 4"	SY	3,510.000	2,591.590	2,591.590	\$69,972.93
17	Detectable Warnings	SF	798.000	1,228.000	1,228.000	\$40,524.00
18	Storm Sewer, 12" Class 3 RCP	LF	321.500	332.200	332.200	\$19,932.00
19	Storm Sewer, 15" Class 3 RCP	LF	2,061.900	2,040.500	2,040.500	\$128,551.50
20	Storm Sewer, 18" Class 3 RCP	LF	466.700	489.250	489.250	\$36,204.50
21	Storm Sewer, 21" Class 3 RCP	LF	478.500	478.500	478.500	\$36,844.50
22	Storm Sewer, 24" Class 3 RCP	LF	804.900	838.000	838.000	\$78,772.00
23	Storm Sewer, 27" Class 3 RCP	LF	786.400	762.000	762.000	\$79,248.00
24	Storm Sewer, 30" Class 3 RCP	LF	306.900	327.400	327.400	\$39,615.40
25	Storm Sewer, 36" Class 3 RCP	LF	852.400	787.100	787.100	\$118,065.00
26	Storm Sewer, 36" Class 5 RCP	LF	110.000	124.000	124.000	\$28,024.00
27	Storm Sewer, 42" Class 3 RCP	LF	911.100	936.100	936.100	\$146,031.60
28	Storm Sewer, 42" Class 5 RCP	LF	14.400	17.600	17.600	\$5,526.40
29	Storm Sewer, 48" Class 3 RCP	LF	494.000	760.600	760.600	\$133,865.60
30	Storm Sewer, 48" Class 4 RCP	LF	204.700	204.700	204.700	\$43,396.40

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LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
31	Storm Sewer, 54" Class 4 RCP	LF	179.600	179.600	179.600	\$236.00	\$42,385.60	
32	Storm Sewer, 60" Class 3 RCP	LF	604.200	604.200	604.200	\$254.00	\$153,466.80	
33	Storm Sewer, 48" RCAP	LF	535.100	267.500	267.500	\$163.00	\$43,602.50	
34	Storm Sewer, 42" Class 5 RCP, Jacked in Place	LF	90.000	90.000	90.000	\$847.00	\$76,230.00	
35	Storm Sewer, 6' X 5' RCBC	LF	10.000	10.000	10.000	\$900.00	\$9,000.00	
36	Storm Manhole, Type M-A, 48"	EA	8.000	7.000	7.000	\$2,975.00	\$20,825.00	
37	Storm Manhole, Type M-A, 60"	EA	3.000	4.000	4.000	\$4,482.00	\$17,928.00	
38	Storm Manhole, Type M-A, 84"	EA	2.000	1.000	1.000	\$7,500.00	\$7,500.00	
39	Storm Manhole, Type M-C	EA	14.000	15.000	15.000	\$6,870.00	\$103,050.00	
40	Storm Manhole, Type M-C (modified)	EA	2.000	2.000	2.000	\$6,915.00	\$13,830.00	
41	Storm Manhole, Type M-D	EA	6.000	6.000	6.000	\$6,500.00	\$39,000.00	
42	Storm Manhole, Type M-E	EA	1.000	1.000	1.000	\$6,150.00	\$6,150.00	
43	Special Structure 1	LS	1.000	1.000	1.000	\$25,000.00	\$25,000.00	
44	Intake, Type M-A	EA	13.000	15.000	15.000	\$2,885.00	\$43,275.00	
45	Intake, Type M-B	EA	2.000	2.000	2.000	\$2,895.00	\$5,790.00	
46	Intake, Type M-D	EA	15.000	16.000	16.000	\$3,875.00	\$62,000.00	
47	Intake, Type M-E	EA	2.000	3.000	3.000	\$5,842.00	\$17,526.00	
48	Intake, Type M-F	EA	19.000	18.000	18.000	\$2,552.00	\$45,936.00	
49	Intake, Type M-F (modified)	EA	1.000	1.000	1.000	\$2,635.00	\$2,635.00	
50	Intake, Type M-I	EA	10.000	12.000	12.000	\$2,770.00	\$33,240.00	
51	Intake, RA-41 w/ RA-42 Extension	EA	2.000	2.000	2.000	\$2,885.00	\$5,770.00	
52	Intake, RA-43	EA	3.000	3.000	3.000	\$2,800.00	\$8,400.00	
53	Manhole Removal, Storm	EA	7.000	13.000	13.000	\$500.00	\$6,500.00	
54	Abandon Manhole	EA	1.000	0.000	0.000	\$250.00	\$0.00	
55	Intake Removal	EA	34.000	43.000	43.000	\$500.00	\$21,500.00	
56	Storm Sewer Service, 8"	EA	3.000	3.000	3.000	\$2,500.00	\$7,500.00	
57	Remove Storm/Sanitary Pipe, less than or equal to 30"	LF	1,425.000	1,879.300	1,879.300	\$20.00	\$37,586.00	
58	Remove Storm/Sanitary Pipe, greater than 36"	LF	30.000	93.000	93.000	\$20.00	\$1,860.00	
59	Standard Sewer Plug 8" -30"	EA	45.000	39.000	39.000	\$150.00	\$5,850.00	
60	Standard Sewer Plug 36" or greater	EA	9.000	4.000	4.000	\$250.00	\$1,000.00	
61	Abandon Storm/Sanitary Sewer in place with Flowable Mortar 12"-30"	LF	225.000	567.000	567.000	\$10.00	\$5,670.00	
62	Abandon Storm/Sanitary Sewer in place with Flowable Mortar 36"	LF	508.000	0.000	0.000	\$15.00	\$0.00	
63	Sanitary Sewer, 10" DI	LF	30.000	28.100	28.100	\$130.00	\$3,653.00	
64	Sanitary Sewer, 12"	LF	8.000	26.000	26.000	\$218.00	\$5,668.00	
65	Sanitary Sewer, 12" DI	LF	150.000	107.100	107.100	\$265.00	\$28,381.50	
66	Sanitary Sewer, 15"	LF	435.000	460.500	460.500	\$95.00	\$43,747.50	
67	Sanitary Sewer, 18"	LF	83.000	83.770	83.770	\$135.00	\$11,308.95	
68	Sanitary Sewer, 18" DI	LF	75.000	112.080	112.080	\$335.00	\$37,546.80	
69	Sanitary Sewer, 20" DI	LF	100.000	113.800	113.800	\$395.00	\$44,951.00	
70	Drop Connection, 12" DI	VF	9.000	7.350	7.350	\$675.00	\$4,961.25	

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT	
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		UNIT PRICE
71	Drop Connection, 20" DI	VF	5.000	4.250	4.250	\$1,830.00	\$7,777.50
72	Sanitary Manhole, Type A, 48"	EA	5.000	14.000	14.000	\$2,765.00	\$38,710.00
73	Remove Manhole, Sanitary	EA	3.000	11.000	11.000	\$500.00	\$5,500.00
74	Sanitary Sewer Service Pipe, 6"	LF	2,675.000	1,078.000	1,078.000	\$60.00	\$64,680.00
75	Sanitary Sewer Service Connections	EA	84.000	30.000	30.000	\$500.00	\$15,000.00
76	Sanitary Sewer Service Relocation #1	LS	1.000	1.000	1.000	\$6,000.00	\$6,000.00
77	8" Water Main Relocation 1	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
78	Water Service Relocation/New Service	EA	73.000	51.000	51.000	\$2,030.00	\$103,530.00
79	Storm Sewer, 10" PVC, SDR 35	LF	380.000	380.000	380.000	\$57.00	\$21,660.00
80	Storm Sewer, 10" PVC, in 18" Steel Casing, Augured	LF	68.500	70.000	70.000	\$286.00	\$20,020.00
81	Storm Sewer Cleanout, 10"	EA	3.000	3.000	3.000	\$500.00	\$1,500.00
82	Granular Surfacing Material	TON	200.000	85.420	85.420	\$20.00	\$1,708.40
83	Clearing and Grubbing	DI	1,724.000	2,117.000	2,117.000	\$17.00	\$35,989.00
84	Tree Protection	LS	1.000	1.000	1.000	\$1,000.00	\$1,000.00
85	Tree Protection Fence	LF	1,070.000	970.000	970.000	\$2.00	\$1,940.00
86	Sodding	SQ	964.000	1,483.060	1,483.060	\$40.00	\$59,322.40
87	Construction Staking	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
88	Erosion Control	LS	1.000	1.000	1.000	\$2,500.00	\$2,500.00
89	Inlet Filter	EA	50.000	0.000	0.000	\$44.00	\$0.00
90	Silt Fence or Sock	LF	2,000.000	1,337.000	1,337.000	\$2.00	\$2,674.00
91	Traffic Signal Modification	LS	1.000	0.000	0.000	\$4,500.00	\$0.00
92	Type 'B' Casting	EA	20.000	13.000	13.000	\$650.00	\$8,450.00
93	Install Chimney Seal on Existing Manhole	EA	20.000	13.000	13.000	\$500.00	\$6,500.00
94	Manhole Adjustment, Major	EA	20.000	4.000	4.000	\$1,500.00	\$6,000.00
95	Subgrade Core Out Excavation	CY	300.000	2,219.850	2,219.850	\$15.00	\$33,297.75
96	Subgrade Replacement	SY	1,700.000	0.000	0.000	\$7.00	\$0.00
97	Fence Removal and Replacement	LF	45.000	0.000	0.000	\$25.00	\$0.00
98	Steel Sheet Piling	LS	1.000	1.000	1.000	\$2,000.00	\$2,000.00
99	Concrete Headwall	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
100	Seed and Mulch	AC	0.300	0.000	0.000	\$3,200.00	\$0.00
101	Rip Rap, Class D	TON	30.000	30.910	30.910	\$40.00	\$1,236.40
1.01	Manufactured Sand	TON		396.340	396.340	\$25.00	\$9,908.50
2.01	4" subdrain in Thompson Ave.	LF		1,330.000	1,330.000	\$14.25	\$18,952.50
3.01	Place geogrid and modified subbase	SY		9,706.000	9,706.000	\$12.14	\$117,830.84
5.01	Sanitary Sewer Tiedown	LS		1.000	1.000	\$1,000.00	\$1,000.00
5.02	Water main shut down on E. 12th St.	LS		1.000	1.000	\$122.00	\$122.00
5.03	M-A Storm Sewer Manhole Section	LS		1.000	1.000	\$625.50	\$625.50
5.04	Replace intake SE corner of E. 9th St. & Thompson Ave.	LS		1.000	1.000	\$7,369.00	\$7,369.00
6.01	4" subdrain in E. 12th St.	LF		340.000	340.000	\$14.25	\$4,845.00
7.01	Additional 60" M-A Manhole Depth	VLF		8.000	8.000	\$350.00	\$2,800.00

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
8.01	HMA millings in place	TON		1,287.870	1,287.870	\$37,863.38
9.01	Water service replacement at #1307 E. Thompson Ave.	LS		1.000	1.000	\$2,256.40
9.02	Water service replacement at #2021 York Ave.	LS		1.000	1.000	\$2,750.00
10.01	Traffic Signal Removal	LS		1.000	1.000	\$6,474.60
10.02	Signal Base Removal	EA		4.000	4.000	\$200.00
11.01	Relocate fire hydrant at E. Ovid Ave. & Columbia St.	LS		1.000	1.000	\$3,500.00
12.01	1600 E. 9th St sewer service TV inspection	LS		1.000	1.000	\$649.00
12.02	Lower storm sewer structures at E. 13th St. & E. Thompson Ave.	LS		1.000	1.000	\$1,200.00
12.03	10" storm clean out castings on E. 15th St.	EA		3.000	3.000	\$225.00
12.04	Disconnect Water Service Stub at 1307 E. Thompson Ave.	EA		1.000	1.000	\$500.00
12.05	Remove hedge for sidewalk construction on E. Thompson Ave.	LS		1.000	1.000	\$580.00
12.06	Construct PCC wall on E. Thompson Ave.	LS		1.000	1.000	\$2,781.00
12.07	Crane rental for tree removal	LS		1.000	1.000	\$3,300.00
12.08	12" DIP on E. 13th St.	LF		20.000	20.000	\$100.00
12.09	16" DIP on E. 13th St.	LF		60.000	60.000	\$115.00
12.10	16" DIP MJ Bend on E. 13th St.	EA		1.000	1.000	\$675.00
13.01	12" High Pressure Gas line crossing	LS		1.000	1.000	\$9,240.00
14.01	8" water main relocation at E. 9th St. & Cleveland Ave.	LS		1.000	1.000	\$7,455.00
15.01	4" subdrain in E. 9th St.	LF		150.000	150.000	\$14.25
15.02	Remove and Dispose of railroad ties from E. 9th St.	LS		2.000	2.000	\$1,680.00
16.01	48" Storm Sewer Pipe Support	EA		4.000	4.000	\$225.00
16.02	DIP and Ferncos at #1911 E. 13th St.	LS		1.000	1.000	\$1,816.45
16.03	DIP and Ferncos at #1913 E. 13th St.	LS		1.000	1.000	\$2,694.50
16.04	DIP and Ferncos at #1919 E. 13th St.	LS		1.000	1.000	\$2,473.75
16.05	DIP and Ferncos at #1921 E. 13th St.	LS		1.000	1.000	\$2,438.38
17.01	Double yellow lane line	STA		17.700	17.700	\$82.17
17.02	PCC wall at NE corner of E. 8th & Washington Ave.	LS		1.000	1.000	\$2,085.75
17.03	Tree removal at 738 E. Washington Ave.	LS		1.000	1.000	\$1,430.00
17.04	5' tall black vinyl chain link fence reinstallation	LS		1.000	1.000	\$1,639.00
18.01	Water main shut down on E. 13th St.	LS		1.000	1.000	\$532.00
19.01	Full depth sawcut and construct a BT-3 joint	LF		1,521.000	1,521.000	\$12.25
20.01	8" DIP Water Main	LF		110.000	110.000	\$65.00
20.02	6" DIP Water Main	LF		25.000	25.000	\$45.00
20.03	8" Valve - Valves to be Provided by DMWW	EA		3.000	3.000	\$686.25
20.04	8" x 8" Tee	EA		1.000	1.000	\$825.00
20.05	8" Caps - Temporary	EA		3.000	3.000	\$910.00
20.06	Fire Hydrant Assembly - Hyd to be Provided by DMWW	EA		1.000	1.000	\$2,610.00
20.07	Connect to Existing Pipe	EA		3.000	3.000	\$970.00
20.08	8" 45 Degree Bend	EA		6.000	6.000	\$510.00
20.09	10% Prime Contractor Markup	LS		2,246.880	2,246.880	\$1.00

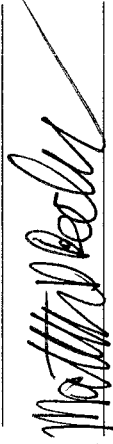
9C

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
23.01	6" scarification depth of staging area	LS		1.000	1.000	\$1,900.00
25.01	Driveway Replacement	LS		1.000	1.000	\$2,912.50
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$4,681,674.86			
	PARTIAL PAYMENT NO. 1		\$183,644.31			
	PARTIAL PAYMENT NO. 2		\$240,884.32			
	PARTIAL PAYMENT NO. 3		\$292,806.69			
	PARTIAL PAYMENT NO. 4		\$6,510.46			
	PARTIAL PAYMENT NO. 5		\$34,262.23			
	PARTIAL PAYMENT NO. 6		\$97,429.78			
	PARTIAL PAYMENT NO. 7		\$200,326.88			
	PARTIAL PAYMENT NO. 8		\$99,491.71			
	PARTIAL PAYMENT NO. 9		\$257,576.79			
	PARTIAL PAYMENT NO. 10		\$759,362.30			
	PARTIAL PAYMENT NO. 11		\$465,960.81			
	PARTIAL PAYMENT NO. 12		\$480,511.87			
	PARTIAL PAYMENT NO. 13		\$299,955.22			
	PARTIAL PAYMENT NO. 14		\$17,810.39			
	PARTIAL PAYMENT NO. 15		\$41,623.49			
	PARTIAL PAYMENT NO. 16		\$73,533.44			
	PARTIAL PAYMENT NO. 17		\$93,262.25			
	PARTIAL PAYMENT NO. 18		\$97,315.66			
	PARTIAL PAYMENT NO. 19		\$202,833.49			
	PARTIAL PAYMENT NO. 20		\$183,873.83			
	PARTIAL PAYMENT NO. 21		\$271,442.32			
	PARTIAL PAYMENT NO. 22		\$22,962.60			
	PARTIAL PAYMENT NO. 23		\$7,345.40			
	THIS PARTIAL PAYMENT		\$16,864.88			
	TOTAL PARTIAL PAYMENTS		\$4,447,591.12			
	BALANCE		\$234,083.74			
	TOTAL					\$4,681,674.86
	RETAINAGE					\$234,083.74
	TOTAL LESS RETAINAGE					\$4,447,591.12
	LESS PREVIOUS PAYMENT					\$4,430,726.24
	AMOUNT DUE					\$16,864.88

PREPARED BY:



CHECKED BY:



FINAL PAYMENT NO. 24