



Date July 15, 2024

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 2, RW EXCAVATING SOLUTIONS, LC

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 Hamilton Drain Storm Water Improvements Phase 2, Activity ID 082021002, in accordance with the contract approved between RW Excavating Solutions, LC, Dan E. Wilson, Managing Member, 13293 S. 88th Avenue W, Prairie City, IA, 50228, under Roll Call No. 21-1609, of October 18, 2021, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$6,516,545.90 is the total cost, of which \$6,321,049.52 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 \$195,496.38 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 Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance



Funding Source: 2024-2025 CIP, Page 76, Hamilton Drainage Area Improvements, SM133, Being: \$6,110,834.41 in Storm Water Utility funds, and the remaining \$405,711.49 from Des Moines Water Works

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include BOESEN, COLEMAN, GATTO, MANDELBAUM, SIMONSON, VOSS, WESTERGAARD, and TOTAL.

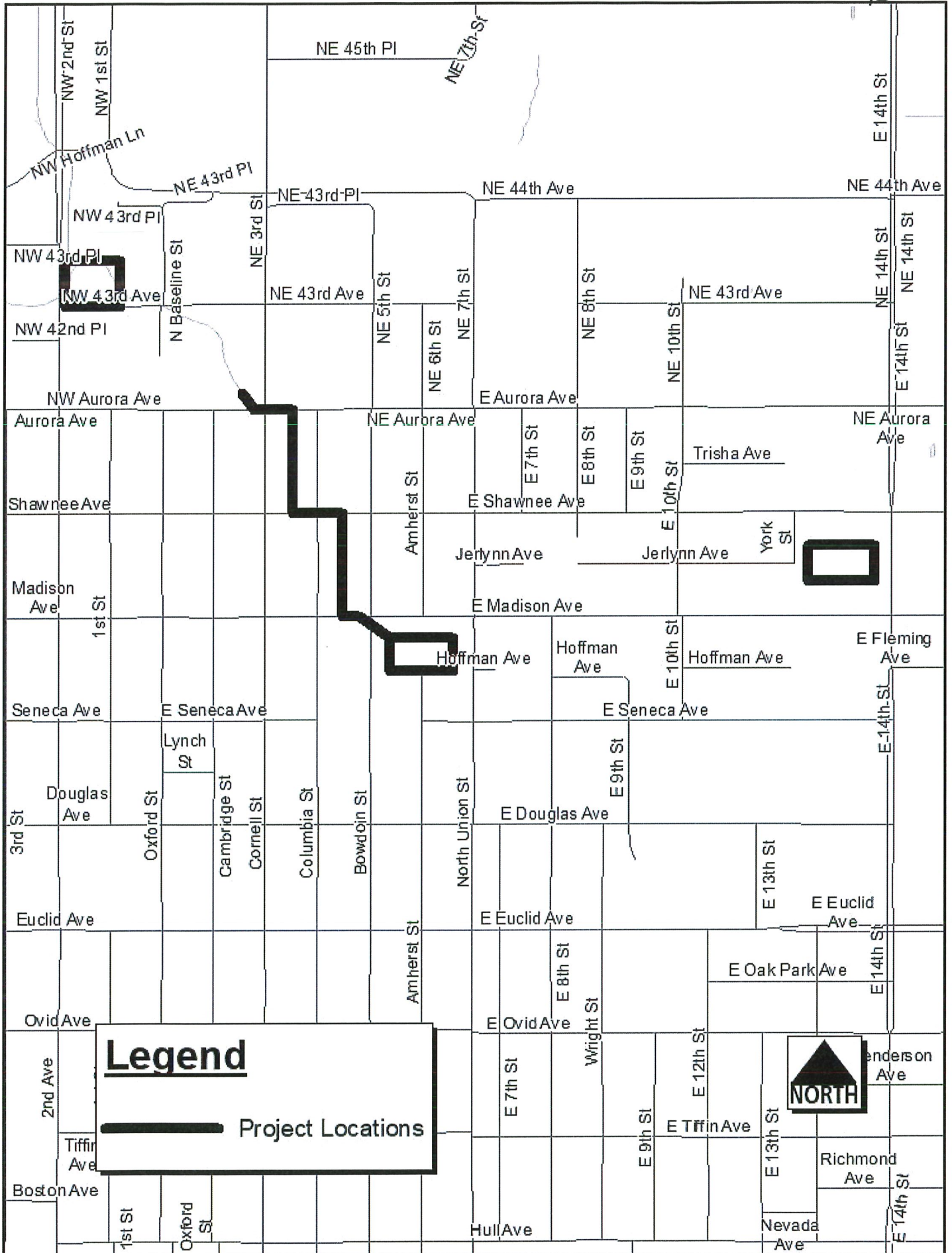
MOTION CARRIED APPROVED
Mayor

CERTIFICATE

I, Laura Baumgartner, 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





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PROJECT SUMMARY

Hamilton Drain Storm Water Improvements Phase 2

Activity ID 082021002

On October 18, 2021, under Roll Call No. 21-1609, the Council awarded the contract for the above improvements to RW Excavating Solutions, LC, in the amount of \$6,196,268.70. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	City	1/11/2022 Adds additional quantities of existing contract items for clearing and grubbing, pavement, and pavement removal. Adds contract items for credits for project deductions and an item for the contractor to perform exploratory excavation to confirm a sewer service was not affected as a result of the proposed project improvements.	\$42,330.00
2	City	3/25/2022 New contract line items added for Des Moines Water Works portion of the project. Adds time extension for intermediate completion requirements.	\$48,596.67
3	City	4/21/2022 Adds contract line items for Des Moines Water Works portion of the project and contract line items for storm sewer improvements.	\$47,567.80
4	City	8/4/2022 Revises design and price for flexamat erosion control. Adds quantity and items for of erosion control, replacement fencing, removal of buried storm water structures found during construction, and dust control.	\$49,427.17
5	City	8/8/2022 Adds additional quantities and new items for emergency repairs to a collapsed sanitary sewer. Adds item for sewer lining to prevent potential sewer collapses within the project limits. Adjust contract completion provisions.	\$239,760.00
6	Contractor	12/13/2022 This change order provides compensation to the Contractor for construction delays at the intersection of Aurora and Cornell associated with the water main relocations. Costs associated with this change order will be reimbursed to the city by Des Moines Water Works.	\$25,000.00
7	City	1/10/2023 Revises contract quantities for roadway subbase materials. Revises and adds sewer structure types to avoid utility and sewer conflicts. Adds item for wooden fence replacement and additional sidewalk and topsoil quantities.	\$49,828.34

8	Contractor	3/30/2023	\$57,185.00
		Adds additional sewer infrastructure and erosion control to complete the project.	
9	City	7/31/2023	\$46,855.00
		Add maintaining solid waste collection and postal service, vibration inspection, rodent control, retaining walls, and removal of unknown box culvert.	
10	City	5/2/2024	\$(286,272.78)
		Adjusts quantities to as-built amounts.	
		Original Contract Amount	\$6,196,268.70
		Total Change Orders	\$320,277.20
		Percent of Change Orders to Original Contract	5.17%
		Total Contract Amount	\$6,516,545.90

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Department of Engineering
City of Des Moines, Iowa



July 15, 2024

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Hamilton Drain Storm Water Improvements Phase 2, RW Excavating Solutions, LC.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$6,516,545.90 As-Built Contract Cost

Funding Source: 2024-2025 CIP, Page 76, Hamilton Drainage Area Improvements, SM133, Being: \$6,110,834.41 in Storm Water Utility funds, and the remaining \$405,711.49 from Des Moines Water Works

CERTIFICATION OF COMPLETION:

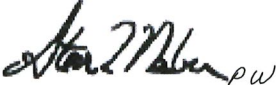
On October 18, 2021, under Roll Call No. 21-1609, the City Council awarded a contract to RW Excavating Solutions, LC, Dan E. Wilson, Managing Member, 13293 S. 88th Avenue W, Prairie City, IA 50228 for the construction of the following improvement:

Hamilton Drain Storm Water Improvements Phase 2, 082021002

The improvement includes the construction of 15-inch to 84-inch storm sewer, manholes, intakes, subdrain, sanitary sewer, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, earthwork, water main adjustments, traffic control, fencing, site furnishings, erosion control, and surface restoration; all in accordance with the contract documents, including Plan File No. 631-001/218, for the construction of storm water detention basins located at 121 NE 43rd Avenue, 3940 Amherst Street, and 4028 E 14th Street. The project also includes construction of trunk storm sewer from the intersection of E Aurora Avenue and Cornell Street to the cul-de-sac in the 3900 block of Amherst Street, Des Moines, Iowa

I hereby certify that the construction of said Hamilton Drain Storm Water Improvements Phase 2, Activity ID 082021002, 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 November 12, 2021, and was completed on October 1, 2022.

I further certify that \$6,516,545.90 is the total cost of said improvement, of which \$6,321,049.52 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 \$195,496.38 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

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ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 05/01/2024 TO 05/07/2024
FINAL PARTIAL PAYMENT

IDOT #: 0
ACTIVITY ID: 08-2021-002
DATE: 5/8/2024

PROJECT: HAMILTON DRAIN STORM WATER IMP PHASE 2
CONTRACTOR: R.W. EXCAVATING SOLUTIONS

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
1	CLEARING AND GRUBBING	UNITS	3,070.00	3,088.20	3,088.20	0.00	\$ 28.00	\$86,469.60
2	CLEARING AND GRUBBING	AC	0.17	1.67	1.67	0.00	\$ 12,000.00	\$20,040.00
3	TOPSOIL, ON-SITE	CY	6,223.00	7,813.00	7,813.00	0.00	\$ 10.00	\$78,130.00
4	TOPSOIL, OFF-SITE	CY	898.00	898.00	898.00	0.00	\$ 12.00	\$10,776.00
5	CLASS 10 EXCAVATION, WASTE	CY	51,500.00	51,500.00	51,500.00	0.00	\$ 10.50	\$540,750.00
6	CLASS 10 EXCAVATION, IMPORT	CY	5,000.00	1,440.00	1,440.00	0.00	\$ 12.00	\$17,280.00
7	SUBGRADE TREATMENT, GEOGRID, TYPE 2	SY	5,111.00	2,109.43	2,109.43	0.00	\$ 3.50	\$7,383.01
8	SUBBASE, MODIFIED SUBBASE, 6"	SY	5,111.00	5,119.63	5,119.63	0.00	\$ 8.40	\$43,004.89
9	SUBBASE, MODIFIED SUBBASE, 8"	SY	1,440.00	1,514.47	1,514.47	0.00	\$ 11.20	\$16,962.06
10	SUBBASE, MACADAM STONE, 12"	SY	5,111.00	0.00	0.00	0.00	\$ 19.20	\$0.00
11	CLASS A ROADSTONE, INSTALL & REMOVE	TON	500.00	157.50	157.50	0.00	\$ 42.00	\$6,615.00
12	REMOVAL OF KNOWN BOX CULVERT, WOOD	LF	1,098.00	914.00	914.00	0.00	\$ 25.00	\$22,850.00
13	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	LF	226.00	161.83	161.83	0.00	\$ 20.00	\$3,236.60
14	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	4,576.00	12,009.90	12,009.90	0.00	\$ 21.00	\$252,207.90
15	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	LF	61.00	53.00	53.00	0.00	\$ 130.00	\$6,890.00
16	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 30"	LF	109.00	0.00	0.00	0.00	\$ 200.00	\$0.00
17	SANITARY SEWER SERVICE STUB	LF	200.00	0.00	0.00	0.00	\$ 60.00	\$0.00
18	SANITARY SEWER SERVICE RELOCATION	EA	5.00	5.00	5.00	0.00	\$ 2,500.00	\$12,500.00
19	REMOVAL OF SANITARY SEWER, 10" VCP	LF	61.00	113.00	113.00	0.00	\$ 20.00	\$2,260.00
20	REMOVAL OF SANITARY SEWER, 30". BRICK	LF	109.00	0.00	0.00	0.00	\$ 20.00	\$0.00
21	STORM SEWER, TRENCHED, 15"	LF	70.00	72.20	72.20	0.00	\$ 55.64	\$4,017.21
22	STORM SEWER, TRENCHED, 18"	LF	572.00	631.60	631.60	0.00	\$ 52.20	\$32,969.52
23	STORM SEWER, TRENCHED, 24"	LF	292.00	254.30	254.30	0.00	\$ 102.60	\$26,091.18
24	STORM SEWER, TRENCHED, 30"	LF	20.00	16.00	16.00	0.00	\$ 102.30	\$1,636.80
25	STORM SEWER, TRENCHED, 48"	LF	78.00	68.80	68.80	0.00	\$ 246.50	\$16,959.20
26	STORM SEWER, TRENCHED, 60"	LF	17.00	39.50	39.50	0.00	\$ 294.40	\$11,628.80

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ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
27	STORM SEWER, TRENCHED, 84"	LF	2,644.00	2,671.20	2,671.20	0.00	\$ 608.20	\$1,624,623.84
28	STORM SEWER, TRENCHED, 18" DIP	LF	155.00	0.00	0.00	0.00	\$ 160.80	\$0.00
29	STORM SEWER, PREMANUFACTURED BEND, 60"	EA	4.00	1.00	1.00	0.00	\$ 5,370.00	\$5,370.00
30	STORM SEWER, PREMANUFACTURED BEND, 84"	EA	27.00	27.00	27.00	0.00	\$ 4,245.00	\$114,615.00
31	STORM SEWER, TRENCHLESS, 48"	LF	147.00	148.00	148.00	0.00	\$ 1,347.50	\$199,430.00
32	STORM SEWER COLLAR	EA	3.00	3.00	3.00	0.00	\$ 3,500.00	\$10,500.00
33	REMOVAL OF STORM SEWER < 30" DIA	LF	429.00	148.00	148.00	0.00	\$ 20.00	\$2,960.00
34	REMOVAL OF STORM SEWER > 30" DIA	LF	281.00	340.00	340.00	0.00	\$ 25.00	\$8,500.00
35	STORM SEWER ABANDONMENT, FILL AND PLUG	CY	977.00	977.00	977.00	0.00	\$ 160.00	\$156,320.00
36	PIPE APRON, PCC, 18"	EA	1.00	1.00	1.00	0.00	\$ 1,254.40	\$1,254.40
37	PIPE APRON, PCC, 48"	EA	2.00	1.00	1.00	0.00	\$ 2,885.40	\$2,885.40
38	PIPE APRON, PCC, 84"	EA	2.00	2.00	2.00	0.00	\$ 7,490.00	\$14,980.00
39	FOOTING FOR CONCRETE PIPE APRON, 18"	EA	1.00	1.00	1.00	0.00	\$ 660.00	\$660.00
40	FOOTING FOR CONCRETE PIPE APRON, 48"	EA	2.00	1.00	1.00	0.00	\$ 1,550.00	\$1,550.00
41	FOOTING FOR CONCRETE PIPE APRON, 84"	EA	2.00	2.00	2.00	0.00	\$ 2,330.00	\$4,660.00
42	REMOVAL OF PIPE APRON	EA	1.00	2.00	2.00	0.00	\$ 500.00	\$1,000.00
43	SUBDRAIN, 8"	LF	126.00	354.90	354.90	0.00	\$ 20.00	\$7,098.00
44	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 8"	EA	12.00	14.00	14.00	0.00	\$ 400.00	\$5,600.00
45	NEW WATER SERVICE	EA	10.00	9.00	9.00	0.00	\$ 2,250.00	\$20,250.00
46	ADJUST STOP BOX TO NEW GRADE	EA	8.00	4.00	4.00	0.00	\$ 250.00	\$1,000.00
47	MANHOLE, SW-301M 48"	EA	1.00	1.00	1.00	0.00	\$ 5,880.00	\$5,880.00
48	MANHOLE, SW-301M 60"	EA	3.00	0.00	0.00	0.00	\$ 7,680.00	\$0.00
49	MANHOLE, SW-301M 72"	EA	2.00	1.00	1.00	0.00	\$ 9,760.00	\$9,760.00
50	MANHOLE, SW-303	EA	1.00	1.00	1.00	0.00	\$ 7,500.00	\$7,500.00
51	MANHOLE, SW-401, 84"	EA	1.00	1.00	1.00	0.00	\$ 6,747.20	\$6,747.20
52	MANHOLE, SW-402, 4'X4'	EA	3.00	2.00	2.00	0.00	\$ 7,535.00	\$15,070.00
53	MANHOLE, SW-403M, 8'X10.5'	EA	3.00	3.00	3.00	0.00	\$ 20,350.00	\$61,050.00
54	MANHOLE, SW-403M, 9'X10.5'	EA	1.00	1.00	1.00	0.00	\$ 22,550.00	\$22,550.00
55	MANHOLE, SW-405, 48" ON 84"	EA	5.00	6.00	6.00	0.00	\$ 7,000.00	\$42,000.00
56	MANHOLE, SW-406, (5'X6')	EA	2.00	2.00	2.00	0.00	\$ 10,000.00	\$20,000.00
57	INTAKE, SW-505	EA	10.00	7.00	7.00	0.00	\$ 7,000.00	\$49,000.00
58	INTAKE, SW-506 MODIFIED	EA	2.00	2.00	2.00	0.00	\$ 9,250.00	\$18,500.00
59	INTAKE, SW-511	EA	1.00	1.00	1.00	0.00	\$ 4,250.00	\$4,250.00
60	INTAKE, SW-512, 24"	EA	4.00	5.00	5.00	0.00	\$ 1,305.60	\$6,528.00

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ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
61	DETENTION BASIN OUTLET STRUCTURE NO.1	EA	1.00	1.00	1.00	0.00	\$ 67,500.00	\$67,500.00
62	DETENTION BASIN OUTLET STRUCTURE NO.2	EA	1.00	1.00	1.00	0.00	\$ 67,500.00	\$67,500.00
63	MANHOLE ADJUSTMENT, MINOR	EA	1.00	3.00	3.00	0.00	\$ 1,200.00	\$3,600.00
64	PCC BOXOUT	EA	2.00	2.00	2.00	0.00	\$ 1,300.00	\$2,600.00
65	REMOVE MANHOLE	EA	10.00	8.00	8.00	0.00	\$ 1,200.00	\$9,600.00
66	REMOVE INTAKE	EA	20.00	16.00	16.00	0.00	\$ 1,200.00	\$19,200.00
67	PAVEMENT, PCC, 6"	SY	2,863.00	3,211.85	3,211.85	0.00	\$ 55.00	\$176,651.75
68	PAVEMENT, PCC, 6", REINFORCED	SY	625.00	640.29	640.29	0.00	\$ 60.00	\$38,417.40
69	PAVEMENT, PCC, 7"	SY	1,323.00	1,262.20	1,262.20	0.00	\$ 63.00	\$79,518.60
70	PAVEMENT, PCC, 7", REINFORCED	SY	116.00	182.10	182.10	0.00	\$ 68.00	\$12,382.80
71	CURB AND GUTTER, 2.5 FT, 6"	LF	785.00	811.60	811.60	0.00	\$ 47.00	\$38,145.20
72	MOW STRIP	LF	32.00	32.00	32.00	0.00	\$ 44.00	\$1,408.00
73	PAVEMENT, HMA, 6"	SY	1,158.00	806.70	806.70	0.00	\$ 54.00	\$43,561.80
74	REMOVAL OF SIDEWALK	SY	641.00	453.63	453.63	0.00	\$ 15.00	\$6,804.45
75	REMOVAL OF DRIVEWAY	SY	645.00	691.65	691.65	0.00	\$ 15.00	\$10,374.75
76	SIDEWALK, PCC, 5"	SY	560.00	930.21	930.21	0.00	\$ 50.00	\$46,510.50
77	SIDEWALK, PCC, 6"	SY	157.00	172.41	172.41	0.00	\$ 75.00	\$12,930.75
78	DETECTABLE WARNINGS	SF	200.00	272.00	272.00	0.00	\$ 50.00	\$13,600.00
79	DRIVEWAY, PAVED, PCC, 6"	SY	826.00	1,036.09	1,036.09	0.00	\$ 60.00	\$62,165.40
80	DRIVEWAY, GRANULAR	TON	100.00	20.26	20.26	0.00	\$ 45.00	\$911.70
81	PAVEMENT REMOVAL	SY	6,335.00	5,966.83	5,966.83	0.00	\$ 15.00	\$89,502.45
82	ENGINEERING FABRIC	SY	520.00	680.00	680.00	0.00	\$ 3.00	\$2,040.00
83	PAINTED PAVEMENT MARKINGS, DURABLE	STA	5.00	14.78	14.78	0.00	\$ 250.00	\$3,695.00
84	TEMPORARY TRAFFIC CONTROL	LS	1.00	1.00	1.00	0.00	\$ 43,260.00	\$43,260.00
85	REPLACE STREET SIGNS	EA	8.00	8.00	8.00	0.00	\$ 200.00	\$1,600.00
86	HYDRAULIC SEEDING, TYPE A (LAWN)	AC	5.00	4.16	4.16	0.00	\$ 5,000.00	\$20,800.00
87	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	AC	3.00	2.09	2.09	0.00	\$ 5,000.00	\$10,450.00
88	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	AC	3.00	1.56	1.56	0.00	\$ 5,000.00	\$7,800.00
89	WARRANTY	LS	0.00	1.00	1.00	0.00	\$ 6,000.00	\$6,000.00
90	STORM WATER POLLUTION PREVENTION	LS	1.00	1.00	1.00	0.00	\$ 15,000.00	\$15,000.00
91	PLANTS WITH WARRANTY	LS	1.00	1.00	1.00	0.00	\$ 18,950.00	\$18,950.00
92	FILTER SOCK, 12"	LF	3,500.00	7,665.00	7,665.00	0.00	\$ 3.00	\$22,995.00
93	FILTER SOCK, REMOVAL	LF	3,500.00	7,665.00	7,665.00	0.00	\$ 1.00	\$7,665.00
94	TEMPORARY RECP, TYPE 1A	SY	9,782.00	9,782.00	9,782.00	0.00	\$ 2.85	\$27,878.70

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ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
95	TEMPORARY RECP, TYPE 2C	SY	13,000.00	14,018.00	14,018.00	0.00	\$ 2.30	\$32,241.40
96	RIP RAP, CLASS D	TON	550.00	634.21	634.21	0.00	\$ 60.00	\$38,052.60
97	REMOVE GABION WALLS	LS	1.00	1.00	1.00	0.00	\$ 10,000.00	\$10,000.00
98	GROUT	CY	115.00	0.00	0.00	0.00	\$ 250.00	\$0.00
99	FLEXAMAT	SF	11,204.00	0.00	0.00	0.00	\$ 7.15	\$0.00
100	SILT FENCE OR SILT FENCE DITCH CHECK	LF	500.00	0.00	0.00	0.00	\$ 3.00	\$0.00
101	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	500.00	0.00	0.00	0.00	\$ 1.00	\$0.00
102	STABILIZED CONSTRUCTION ENTRANCE	TON	300.00	478.40	478.40	0.00	\$ 40.00	\$19,136.00
103	EROSION CONTROL MULCHING, HYDROMULCHING	AC	5.00	6.64	6.64	0.00	\$ 2,500.00	\$16,600.00
104	INLET PROTECTION DEVICE	EA	34.00	26.00	26.00	0.00	\$ 145.00	\$3,770.00
105	INLET PROTECTION DEVICE MAINTENANCE	EA	34.00	87.00	87.00	0.00	\$ 25.00	\$2,175.00
106	CHAIN LINK FENCE, 48", BLACK VINYL COATED	LF	30.00	0.00	0.00	0.00	\$ 26.40	\$0.00
107	CHAIN LINK FENCE, 48"	LF	2,553.00	2,761.00	2,761.00	0.00	\$ 23.10	\$63,779.10
108	CHAIN LINK FENCE, 72"	LF	1,046.00	119.00	119.00	0.00	\$ 27.50	\$3,272.50
109	WOOD FENCE, 48"	LF	80.00	46.00	46.00	0.00	\$ 27.50	\$1,265.00
110	WOOD FENCE, 72"	LF	794.00	1,003.00	1,003.00	0.00	\$ 30.80	\$30,892.40
111	GATES, CHAINLINK, 48"	EA	2.00	3.00	3.00	0.00	\$ 880.00	\$2,640.00
112	GATES, CHAINLINK, 72"	EA	2.00	2.00	2.00	0.00	\$ 1,100.00	\$2,200.00
113	REMOVAL OF FENCE	LF	4,225.00	4,830.00	4,830.00	0.00	\$ 4.40	\$21,252.00
114	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	LF	3,853.00	2,778.00	2,778.00	0.00	\$ 13.20	\$36,669.60
115	LANDSCAPE TIMBER RETAINING WALL	SF	86.00	56.25	56.25	0.00	\$ 60.50	\$3,403.13
116	DEMOLITION WORK	LS	1.00	1.00	1.00	0.00	\$ 30,000.00	\$30,000.00
117	RUBBLE REMOVAL	CY	50.00	324.00	324.00	0.00	\$ 45.00	\$14,580.00
118	SALVAGE AND REINSTALL SHEDS	EA	6.00	6.00	6.00	0.00	\$ 2,000.00	\$12,000.00
119	MOBILIZATION	LS	1.00	1.00	1.00	0.00	\$ 650,000.00	\$650,000.00
120	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	LS	1.00	1.00	1.00	0.00	\$ 10,000.00	\$10,000.00
121	RELOCATE AND REPLACE BACKYARD ITEMS	LS	1.00	0.50	0.50	0.00	\$ 4,500.00	\$2,250.00
122	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	DAY	42.00	56.00	56.00	0.00	\$ 138.60	\$7,761.60
123	POTHOLING	EA	2.00	2.00	2.00	0.00	\$ 800.00	\$1,600.00
	DIVISION 2: DES MOINES WATER WORKS							
200	8" CL 52 DIP, RESTRAINED JOINT, OPEN CUT	LF	100.00	241.00	241.00	0.00	\$ 200.50	\$48,320.50
201	8" C900 DR18 PVC, RESTRAINED JOINT, OPEN CUT	LF	960.00	493.50	493.50	0.00	\$ 119.70	\$59,071.95
202	8" SOLID SLEEVES	EA	19.00	7.00	7.00	0.00	\$ 1,970.60	\$13,794.20
203	8" BENDS	EA	20.00	21.00	21.00	0.00	\$ 1,811.80	\$38,047.80

13C

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
204	8X6 TEE	EA	1.00	0.00	0.00	0.00	\$ 3,671.80	\$0.00
205	8X8 TEE	EA	4.00	6.00	6.00	0.00	\$ 2,915.20	\$17,491.20
206	4X2 REDUCER	EA	1.00	0.00	0.00	0.00	\$ 1,164.80	\$0.00
207	8X4 REDUCER	EA	1.00	0.00	0.00	0.00	\$ 1,351.20	\$0.00
208	4" SPOOL	EA	1.00	0.00	0.00	0.00	\$ 686.80	\$0.00
209	8" VALVE	EA	14.00	6.00	6.00	0.00	\$ 2,700.00	\$16,200.00
210	8" CAP/PLUG	EA	1.00	4.00	4.00	0.00	\$ 941.70	\$3,766.80
211	8" TEMPORARY CAP W/ MINIMUM 4" VALVED BLOWOFF	EA	3.00	0.00	0.00	0.00	\$ 7,599.20	\$0.00
212	REMOVE EXISTING HYDRANT ASSEMBLY	EA	4.00	2.00	2.00	0.00	\$ 1,700.00	\$3,400.00
213	NEW 6" HYDRANT ASSEMBLY	EA	3.00	4.00	4.00	0.00	\$ 9,000.00	\$36,000.00
214	MAGNESIUM ANODE, 32-LB	EA	2.00	4.00	4.00	0.00	\$ 1,260.30	\$5,041.20
215	REMOVAL OF EXISTING WATER MAIN	LF	900.00	424.00	424.00	0.00	\$ 20.00	\$8,480.00
216	FOUNDATION ROCK	TON	75.00	0.00	0.00	0.00	\$ 40.00	\$0.00
	Change Order Items							
8001.00	Credit, Storm Sewer, Trenchless, 48" (Item No. 31)	LS	0.00	1.00	1.00	0.00	\$ (10,000.00)	(\$10,000.00)
8002.00	Credit, 4130 Columbia St Demolition (Item No. 116)	LS	0.00	0.00	0.00	0.00	\$ (2,000.00)	\$0.00
8003.00	Sanitary Sewer Investigation, 121 NW 43rd Ave	LS	0.00	1.00	1.00	0.00	\$ 500.00	\$500.00
8004.00	4" C900 DR18 PVC, Restrained Joint, Open Cut	LF	0.00	0.00	0.00	0.00	\$ 80.00	\$0.00
8005.00	16" C900 DR18 PVC Casing Pipe w/ Casing Chocks	LF	0.00	100.50	100.50	0.00	\$ 631.35	\$63,450.68
8006.00	8" Temporary Plug w/ Minimum 2" Valved Blowoff	EA	0.00	3.00	3.00	0.00	\$ 7,599.29	\$22,797.87
8007.00	2" Temporary Cap w/ Minimum 2" Valved Blowoff	EA	0.00	1.00	1.00	0.00	\$ 5,500.00	\$5,500.00
8008.00	8"X4" Tee	EA	0.00	1.00	1.00	0.00	\$ 3,671.80	\$3,671.80
8009.00	4" Gate Valve	EA	0.00	0.00	0.00	0.00	\$ 2,000.00	\$0.00
8010.00	2" 90 Deg Bend	EA	0.00	2.00	2.00	0.00	\$ 1,200.00	\$2,400.00
8011.00	Manufactured Sand, Water Main	TON	0.00	818.16	818.16	0.00	\$ 39.00	\$31,908.24
8012.00	Reinforcement for Midspan Thrust Block, Water Main	LS	0.00	1.00	1.00	0.00	\$ 500.00	\$500.00
8013.00	Slip-Type Valve Box and Extension, Water Main	LS	0.00	1.00	1.00	0.00	\$ 869.25	\$869.25
8014.00	Storm Sewer, Trenched, DuroMaxx, 60"	LF	0.00	24.00	24.00	0.00	\$ 584.00	\$14,016.00
8015.00	Removal of Arch Pipe Sections	EA	0.00	10.00	10.00	0.00	\$ 350.00	\$3,500.00
8016.00	Flexamat, Updated Pricing	SF	0.00	12,556.00	12,556.00	0.00	\$ 7.90	\$99,192.40
8017.00	TRM, Type 2	SY	0.00	350.00	350.00	0.00	\$ 5.25	\$1,837.50
8018.00	Removal of Found Structures	LS	0.00	1.00	1.00	0.00	\$ 7,500.00	\$7,500.00
8019.00	Chain Link Fence, 84", Barbed Wire	LF	0.00	334.00	334.00	0.00	\$ 44.28	\$14,789.52

BC

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES		CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
	PARTIAL PAYMENT NO. 7		\$	330,047.22				
	PARTIAL PAYMENT NO. 8		\$	165,060.92				
	PARTIAL PAYMENT NO. 9		\$	209,673.96				
	PARTIAL PAYMENT NO. 10		\$	847,195.54				
	PARTIAL PAYMENT NO. 11		\$	448,854.64				
	PARTIAL PAYMENT NO. 12		\$	447,607.02				
	PARTIAL PAYMENT NO. 13		\$	604,017.17				
	PARTIAL PAYMENT NO. 14		\$	195,845.88				
	PARTIAL PAYMENT NO. 15		\$	140,199.36				
	PARTIAL PAYMENT NO. 16		\$	95,238.70				
	PARTIAL PAYMENT NO. 17		\$	234,508.75				
	PARTIAL PAYMENT NO. 18		\$	254,668.22				
	PARTIAL PAYMENT NO. 19		\$	39,086.22				
	PARTIAL PAYMENT NO. 20		\$	74,269.55				
	PARTIAL PAYMENT NO. 21		\$	6,241.95				
	PARTIAL PAYMENT NO. 22		\$	35,404.03				
	PARTIAL PAYMENT NO. 23		\$	31,268.92				
	THIS PARTIAL PAYMENT		\$	-				
	TOTAL PARTIAL PAYMENTS		\$	6,321,049.52				
	BALANCE		\$	195,496.38				
	APPROXIMATE PERCENT COMPLETE			100.0%				

QUANTITIES
 PREPARED BY: Brian Becker
 Project Inspector

CHECKED BY: Christopher Kuhl
 Project Engineer

TOTAL	\$6,516,545.90
RETAINAGE	\$ 195,496.38
TOTAL LESS RETAINAGE	\$ 6,321,049.52
LESS PREVIOUS PAYMENT	\$ 6,321,049.52
AMOUNT DUE	\$ -

FINAL PARTIAL PAYMENT