



**Roll Call Number**

**Agenda Item Number**

11C

DATE October 3, 2022

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 1, 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 Hamilton Drain Storm Water Improvements Phase 1, 082019012, 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. 20-1986, of November 23, 2020, 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 \$2,158,582.08 is the total cost, of which \$2,093,824.62 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 \$64,757.46 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 BB

Kathleen Vanderpool  
Deputy City Attorney

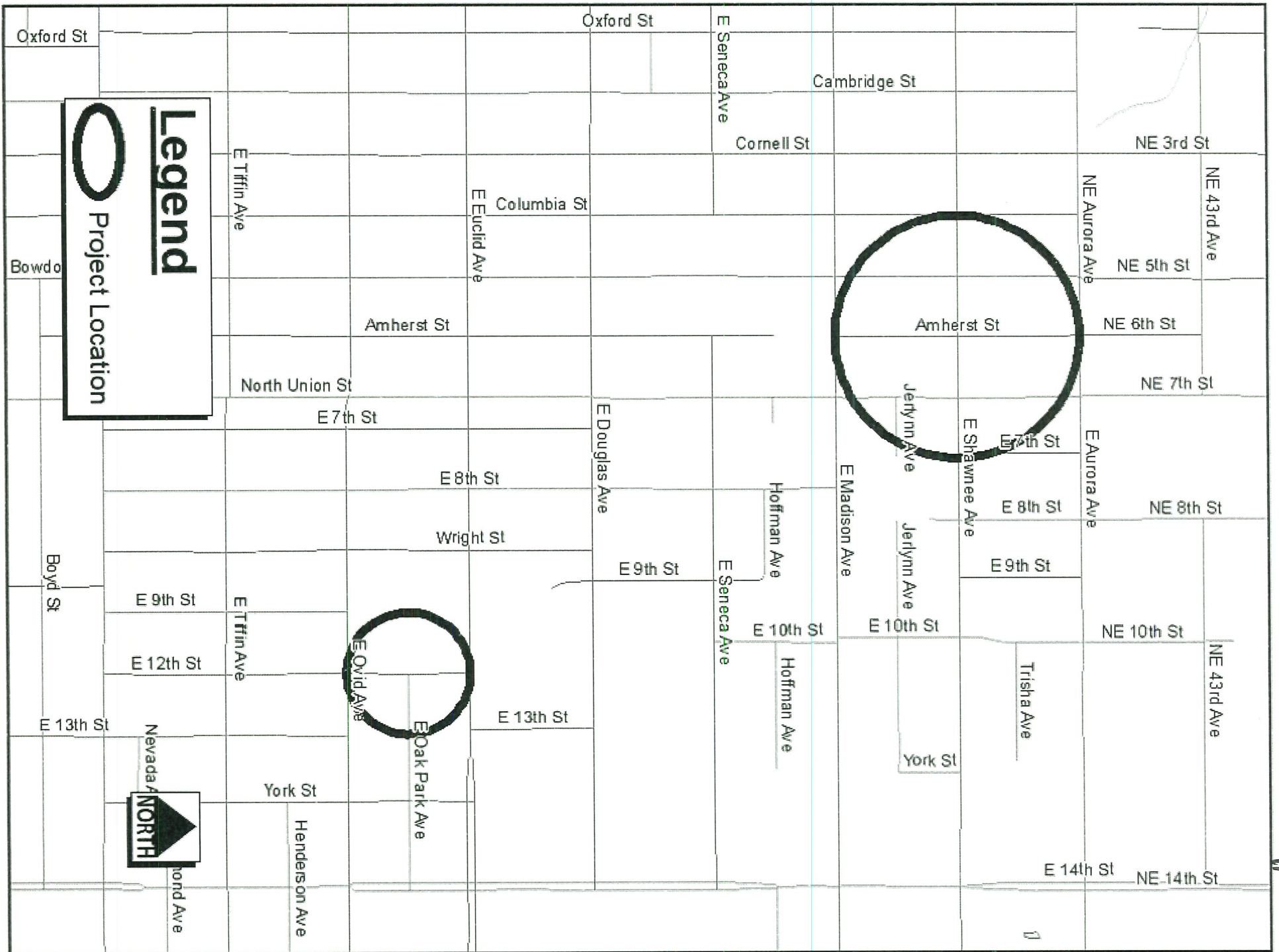
Nickolas J. Schaul  
Director of Finance

SLN Funding Source: 2022-23 CIP, Page 107, Hamilton Drainage Area Improvements, SM133, Being: \$2,051,626.40 in Storm Water Utility funds, and the remaining \$106,955.68 from Des Moines Water Works

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

I, Laura Baumgartner, 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.



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## PROJECT SUMMARY

### Hamilton Drain Storm Water Improvements Phase 1

#### Activity ID 082019012

On November 23, 2020, under Roll Call No. 20-1986, the Council awarded the contract for the above improvements to S. M. Hentges & Sons Inc., in the amount of \$2,160,616.00. 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	City	6/7/2021 Revises drainage pipe and structures and amends required site amenities.	\$178.88
2	Engineering	8/9/2021 Revises storm sewer quantities, adds items for subgrade, grading, construction survey, and extends the intermediate completion date.	\$48,899.87
3	Engineering	9/14/2021 Adjusts roadway paving quantities to as-built amounts, adds items for additional water service replacements, price increase on planting materials, and sewer structure casting replacement	\$46,102.23
4	City	4/1/2022 Adds items for new manhole castings with PCC Boxouts; Repair of damaged parking lot lighting and temporary lighting; additional tree removal and erosion control	\$29,733.48
5	City	8/4/2022 Adjusts quantities to as-built amounts and updates costs for planting materials	\$(126,948.38)
<b>Original Contract Amount</b>			\$2,160,616.00
<b>Total Change Orders</b>			\$(2,033.92)
<b>Percent of Change Orders to Original Contract</b>			(0.09)%
<b>Total Contract Amount</b>			\$2,158,582.08



11C



October 3, 2022

**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the Hamilton Drain Storm Water Improvements Phase 1, 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: \$2,158,582.08 As-Built Contract Cost

Funding Source: 2022-23 CIP, Page 107, Hamilton Drainage Area Improvements, SM133, Being: \$2,051,626.40 in Storm Water Utility funds, and the remaining \$106,955.68 from Des Moines Water Works

**CERTIFICATION OF COMPLETION:**

On November 23, 2020, under Roll Call No. 20-1986, 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:

Hamilton Drain Storm Water Improvements Phase 1, 082019012

The improvement includes construction of an underground storm water detention basin and an above ground detention basin, storm sewer, and parking lot reconstruction including: Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, earthwork, water main adjustments, storm sewers, intakes, traffic control, fencing, site furnishings, plantings, erosion control, and surface restoration; all in accordance with the contract documents, including Plan File Nos. 620-057/115, near the intersections of Amherst Street/E. Shawnee Avenue and E. Oak Park Avenue/E. 12th Street, Des Moines, Iowa

I hereby certify that the construction of said Hamilton Drain Storm Water Improvements Phase 1, Activity ID 082019012, 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 18, 2021, and was completed on August 22, 2022.

I further certify that \$2,158,582.08 is the total cost of said improvement, of which \$2,093,824.62 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 \$64,757.46 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  
FOR WORK DONE FROM 8/01/22 TO 8/22/22  
PARTIAL PAYMENT NO. 10 - FINAL

PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 1  
CONTRACTOR: SM Hentges & Sons, Inc.

IDOT #: 0  
ACTIVITY ID: 08-2019-012  
DATE: 8/22/2022

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
1	CLEARING AND GRUBBING	AC	0.13	0.13	0.13	0.00	\$ 75,000.00	\$9,750.00
2	TOPSOIL, ON-SITE	CY	887.00	887.00	887.00	0.00	\$ 28.00	\$24,836.00
3	EXCAVATION. CLASS 10, WASTE	CY	2,100.00	2,285.00	2,285.00	0.00	\$ 14.00	\$31,990.00
4	SUBGRADE PREPARATION	SY	3,000.00	3,795.60	3,795.60	0.00	\$ 1.50	\$5,693.40
5	SUBBASE, MODIFIED	CY	1,000.00	61.12	61.12	0.00	\$ 53.00	\$3,239.36
6	REMOVAL OF KNOWN BOX CULVERT	LF	75.00	88.00	88.00	0.00	\$ 37.00	\$3,256.00
7	SANITARY SEWER SERVICE RELOCATION	EA	1.00	1.00	1.00	0.00	\$ 2,400.00	\$2,400.00
8	STORM SEWER, TRENCHED 15 IN	LF	176.00	63.00	63.00	0.00	\$ 77.00	\$4,851.00
9	STORM SEWER, TRENCHED 18 IN	LF	253.00	95.00	95.00	0.00	\$ 83.00	\$7,885.00
10	STORM SEWER, TRENCHED 24 IN	LF	424.00	367.00	367.00	0.00	\$ 98.00	\$35,966.00
11	STORM SEWER, TRENCHED 48 IN	LF	80.00	75.00	75.00	0.00	\$ 317.00	\$23,775.00
12	STORM SEWER, TRENCHED ARCHED PIPE 59"X36"	LF	67.00	53.00	53.00	0.00	\$ 235.00	\$12,455.00
13	REMOVAL OF STORM SEWER	LF	200.00	76.00	76.00	0.00	\$ 29.00	\$2,204.00
14	PIPE APRON, DR-202 59"X36"	EA	1.00	1.00	1.00	0.00	\$ 4,000.00	\$4,000.00
15	MANHOLE, SW-402 (5X6)	EA	1.00	0.00	0.00	0.00	\$ 9,500.00	\$0.00
16	MANHOLE, SW-401 (48")	EA	7.00	3.00	3.00	0.00	\$ 3,700.00	\$11,100.00
17	MANHOLE, SW-401 (84")	EA	1.00	1.00	1.00	0.00	\$ 8,500.00	\$8,500.00
18	MANHOLE, NYLOPLAST BASIN (30")	EA	4.00	0.00	0.00	0.00	\$ 4,300.00	\$0.00
19	MANHOLE, HYDRODYNAMIC SEPARATOR	EA	1.00	1.00	1.00	0.00	\$ 67,000.00	\$67,000.00
20	INTAKE, SW-501	EA	11.00	4.00	4.00	0.00	\$ 7,000.00	\$28,000.00
21	INTAKE, SW-503	EA	1.00	1.00	1.00	0.00	\$ 8,600.00	\$8,600.00
22	INTAKE, SW-505	EA	3.00	3.00	3.00	0.00	\$ 7,800.00	\$23,400.00
23	MANHOLE ADJUSTMENT, MAJOR	EA	2.00	0.00	0.00	0.00	\$ 3,500.00	\$0.00
24	REMOVE INTAKE	EA	6.00	5.00	5.00	0.00	\$ 680.00	\$3,400.00
25	CONNECTION TO EXISTING MANHOLE AND INTAKE	EA	4.00	2.00	2.00	0.00	\$ 2,100.00	\$4,200.00
26	PAVEMENT PCC, 6 IN	SY	3,300.00	3,433.40	3,433.40	0.00	\$ 42.00	\$144,202.80
27	PAVEMENT PCC, 7 IN	SY	800.00	38.00	38.00	0.00	\$ 56.00	\$2,128.00
28	CURB AND GUTTER 2.5 FT	LF	775.00	1,951.00	1,951.00	0.00	\$ 40.00	\$78,040.00
29	HMA LIGHT TRAFFIC (LT), SURFACE COURSE, 1/2 IN. MIX, PG58-28H	TON	1,062.00	603.34	603.34	0.00	\$ 74.00	\$44,647.16
30	REMOVAL OF SIDEWALK OR DRIVEWAY	SY	445.00	852.00	852.00	0.00	\$ 5.50	\$4,686.00
31	SIDEWALK, PCC 4 IN	SY	1,260.00	1,047.40	1,047.40	0.00	\$ 45.00	\$47,133.00
32	SIDEWALK, PCC 6 IN	SY	135.00	163.00	163.00	0.00	\$ 66.00	\$10,758.00
33	DETECTABLE WARNINGS	SF	176.00	273.00	273.00	0.00	\$ 52.00	\$14,196.00



ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
34	DRIVEWAY, PAVED 6 IN	SY	395.00	344.80	344.80	0.00	\$ 52.00	\$17,929.60
35	FULL DEPTH PATCHES, 9" PCC	SY	132.00	349.00	349.00	0.00	\$ 92.00	\$32,108.00
36	MILLING	SY	4,800.00	3,131.70	3,131.70	0.00	\$ 3.00	\$9,395.10
37	PAVEMENT REMOVAL	SY	4,225.00	5,658.40	5,658.40	0.00	\$ 6.00	\$33,950.40
38	CURB AND GUTTER REMOVAL	LF	775.00	1,839.00	1,839.00	0.00	\$ 2.00	\$3,678.00
39	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	25.00	16.75	16.75	0.00	\$ 613.00	\$10,267.75
40	PAINTED SYMBOLS AND LEGENDS	EA	10.00	10.00	10.00	0.00	\$ 200.00	\$2,000.00
41	ADA PARKING STALL SIGN	EA	4.00	4.00	4.00	0.00	\$ 410.00	\$1,640.00
42	TEMPORARY TRAFFIC CONTROL	LS	1.00	1.00	1.00	0.00	\$ 8,500.00	\$8,500.00
43	HYDRAULIC SEEDING, LAWN MIX	AC	1.00	0.76	0.76	0.00	\$ 4,100.00	\$3,116.00
44	SEEDING, SLOPE MIX	AC	0.20	0.40	0.40	0.00	\$ 3,900.00	\$1,560.00
45	SEEDING, SEMI WET BASIN MIX	AC	0.15	0.15	0.15	0.00	\$ 5,600.00	\$840.00
46	RAIN GARDENS	LS	1.00	1.00	1.00	0.00	\$ 6,600.00	\$6,600.00
47	PLANTS WITH WARRANTY	LS	1.00	0.70	0.70	0.00	\$ 47,000.00	\$32,900.00
48	STORM WATER POLLUTION PREVENTION	LS	1.00	1.00	1.00	0.00	\$ 4,100.00	\$4,100.00
49	FILTER SOCK, 12 IN.	LF	2,000.00	4,075.00	4,075.00	0.00	\$ 2.60	\$10,595.00
50	EROSION CONTROL MULCHING, HYDROMULCHING	AC	2.00	0.14	0.14	0.00	\$ 1,540.00	\$215.60
51	INLET PROTECTION DEVICE	EA	24.00	23.00	23.00	0.00	\$ 87.00	\$2,001.00
52	VINYL PRIVACY FENCE, 72" WHITE	LF	750.00	685.00	685.00	0.00	\$ 32.00	\$21,920.00
53	ORNAMENTAL FENCE, 36"	LF	425.00	460.50	460.50	0.00	\$ 34.00	\$15,657.00
54	REMOVE FENCE	LF	350.00	427.00	427.00	0.00	\$ 7.00	\$2,989.00
55	UNDERGROUND DETENTION	LS	1.00	1.00	1.00	0.00	\$ 835,000.00	\$835,000.00
56	REMOVAL OF GARAGE	LS	1.00	1.00	1.00	0.00	\$ 4,400.00	\$4,400.00
57	DUMPSTER ENCLOSURE	LS	1.00	1.00	1.00	0.00	\$ 12,000.00	\$12,000.00
58	MOBILIZATION	LS	1.00	1.00	1.00	0.00	\$ 102,000.00	\$102,000.00
59	CONSTRUCTION SURVEY	LS	1.00	1.00	1.00	0.00	\$ 13,300.00	\$13,300.00
60	8" CL 52 DIP, RESTRAINED JOINT, OPEN CUT	EA	196.00	239.00	239.00	0.00	\$ 200.00	\$47,800.00
61	8" SOLID SLEEVES	EA	14.00	9.00	9.00	0.00	\$ 1,500.00	\$13,500.00
62	8" BENDS	EA	20.00	24.00	24.00	0.00	\$ 790.00	\$18,960.00
63	8" VALVE	EA	1.00	1.00	1.00	0.00	\$ 2,400.00	\$2,400.00
64	MAGNESIUM ANODE, 32 LB.	EA	7.00	7.00	7.00	0.00	\$ 841.00	\$5,887.00
65	REMOVAL OF EX 6" HYD ASSEMBLY AT STA 106+25	EA	1.00	1.00	1.00	0.00	\$ 980.00	\$980.00
66	INSTALL 6" HYDT ASSEMBLY AT STA 106+13	EA	1.00	1.00	1.00	0.00	\$ 5,300.00	\$5,300.00
67	REMOVAL OF EX 6" HYD ASSEMBLY AT STA 206+45	EA	1.00	1.00	1.00	0.00	\$ 975.00	\$975.00
68	INSTALL 6" HYDT ASSEMBLY AT STA 206+15	EA	1.00	1.00	1.00	0.00	\$ 5,650.00	\$5,650.00
69	FOUNDATION ROCK	TON	0.50	0.00	0.00	0.00	\$ 281.00	\$0.00



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ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
<b>Change Order Items</b>								
8001.00	Bike Rack	LS	0.00	1.00	1.00	0.00	\$ 3,741.00	\$3,741.00
8002.00	Additional Wall for Dumpster Enclosure	LS	0.00	1.00	1.00	0.00	\$ 6,951.00	\$6,951.00
8003.00	Access Riser for Stormtrap	EA	0.00	12.00	12.00	0.00	\$ 791.36	\$9,496.32
8004.00	Subdrain, 6"	LF	0.00	150.00	150.00	0.00	\$ 40.00	\$6,000.00
8005.00	Subdrain Outlets and Connections, CMP, 6"	EA	0.00	2.00	2.00	0.00	\$ 600.05	\$1,200.10
8006.00	Nyloplast Coated Drainage Structure, 8"	EA	0.00	2.00	2.00	0.00	\$ 822.80	\$1,645.60
8007.00	Storm Sewer, Trenched, DIP, 16 IN	LF	0.00	134.64	134.64	0.00	\$ 104.50	\$14,069.88
8008.00	Storm Sewer, Trenched, DIP, 24 IN	LF	0.00	10.00	10.00	0.00	\$ 145.00	\$1,450.00
8009.00	Intake, SW-504 (Modified)	EA	0.00	1.00	1.00	0.00	\$ 10,853.70	\$10,853.70
8010.00	Intake, SW-506	EA	0.00	1.00	1.00	0.00	\$ 12,112.10	\$12,112.10
8011.00	Pavement, Reinforced PCC, 8"	SY	0.00	54.00	54.00	0.00	\$ 104.50	\$5,643.00
8012.00	Fill Sand	TON	0.00	250.00	250.00	0.00	\$ 20.25	\$5,062.50
8013.00	3" Roadstone Subbase	TON	0.00	217.48	217.48	0.00	\$ 38.48	\$8,368.63
8014.00	Below Grade Excavation (Core Out)	CY	0.00	90.00	90.00	0.00	\$ 17.64	\$1,587.60
8015.00	Replace Chain Link Fence at 4044 Amherst St for Sidewalk Grading	LF	0.00	150.00	150.00	0.00	\$ 53.25	\$7,987.50
8016.00	Additional Grading for Sidewalk at 4044 Amherst St	LS	0.00	1.00	1.00	0.00	\$ 2,750.00	\$2,750.00
8017.00	Additional Sanitary Sewer Replacement (Orangeburg) 615 E Shawne	LS	0.00	1.00	1.00	0.00	\$ 7,610.73	\$7,610.73
8018.00	Additional Construction Survey	LS	0.00	1.00	1.00	0.00	\$ 3,858.75	\$3,858.75
8019.00	2" Water Service Relocation 3500 E 12th St (Fire Station)	LS	0.00	1.00	1.00	0.00	\$ 6,738.48	\$6,738.48
8020.00	6" Water Service Relocation 3500 E 12th St (Fire Station)	LS	0.00	1.00	1.00	0.00	\$ 9,740.00	\$9,740.00
8021.00	HMA Light Traffic (LT), Base Course, 3/4 IN. Mix, PG58-28S	TON	0.00	341.88	341.88	0.00	\$ 103.91	\$35,524.75
8022.00	Price Increase on Plant Material	LS	0.00	1.00	1.00	0.00	\$ 2,520.00	\$2,520.00
8023.00	DMWW Additional Water Services (4044 Amherst St & 615 E Shawne	LS	0.00	1.00	1.00	0.00	\$ 5,503.68	\$5,503.68
8024.00	Manhole Adjustment, Minor, 3 Piece Casting	EA	0.00	1.00	1.00	0.00	\$ 689.06	\$689.06
8025.00	Manhole Adjustment, Minor, 3 Piece Casting with PCC Boxout	EA	0.00	3.00	3.00	0.00	\$ 3,445.31	\$10,335.93
8026.00	Light Plant	LS	0.00	1.00	1.00	0.00	\$ 1,120.90	\$1,120.90
8027.00	Operation of Light Plant	HR	0.00	46.00	46.00	0.00	\$ 112.20	\$5,161.20
8028.00	Parking Lot Lighting Electrical Repair (1201 E Euclid Ave)	LS	0.00	1.00	1.00	0.00	\$ 3,217.50	\$3,217.50
8029.00	Additional Tree Removal	LS	0.00	1.00	1.00	0.00	\$ 1,100.00	\$1,100.00
8030.00	E 12th Street Detention Basin Erosion Control and Stabilization	LS	0.00	0.00	0.00	0.00	\$ 8,797.95	\$0.00
8031.00	Planting Material, Additional Costs	LS	0.00	1.00	1.00	0.00	\$ 4,136.00	\$4,136.00
ORIGINAL CONTRACT AMOUNT			\$	2,160,616.00				
TOTAL CHANGE ORDERS			\$	(2,033.92)				
ORIGINAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$	2,158,582.08				
PARTIAL PAYMENT NO. 1			\$	202,487.50				
PARTIAL PAYMENT NO. 2			\$	249,687.31				
PARTIAL PAYMENT NO. 3			\$	316,240.37				
PARTIAL PAYMENT NO. 4			\$	385,277.36				
PARTIAL PAYMENT NO. 5			\$	423,935.68				

