

DATE December 21, 2009

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 21ST STREET AND CARPENTER AVENUE STORM SEWER IMPROVEMENTS, REILLY CONSTRUCTION CO., INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Jurisdictional Engineer, showing the cost of the construction of the 21st Street and Carpenter Avenue Storm Sewer Improvements, 07-2006-006, in accordance with the contract approved between Reilly Construction Co., Inc., Chris R. Reilly, President, 110 Main Street, PO Box 99, Ossian, IA 52161, under Roll Call No. 08-830, of May 5, 2008, 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 \$1,677,552.94 is the total cost, of which \$1,550,637.74 has been paid the Contractor, and \$43,037.55 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$83,877.65 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.

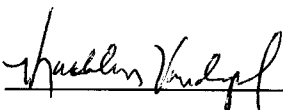
BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City of Des Moines will be required to release the retainage which it is now holding.

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.

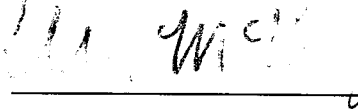
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

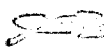
Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Allen McKinley
Des Moines Finance Director

 Funding Source: 2009-2010 CIP, Page Sanitary-7, CSO Flow Meter Installation, SAE083, Being: \$927,552.94 in Sanitary Sewer Funds and \$750,000 in Storm Water Utility Funds



Roll Call Number

Agenda Item Number

7A

DATE December 21, 2009

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				

MOTION CARRIED

APPROVED

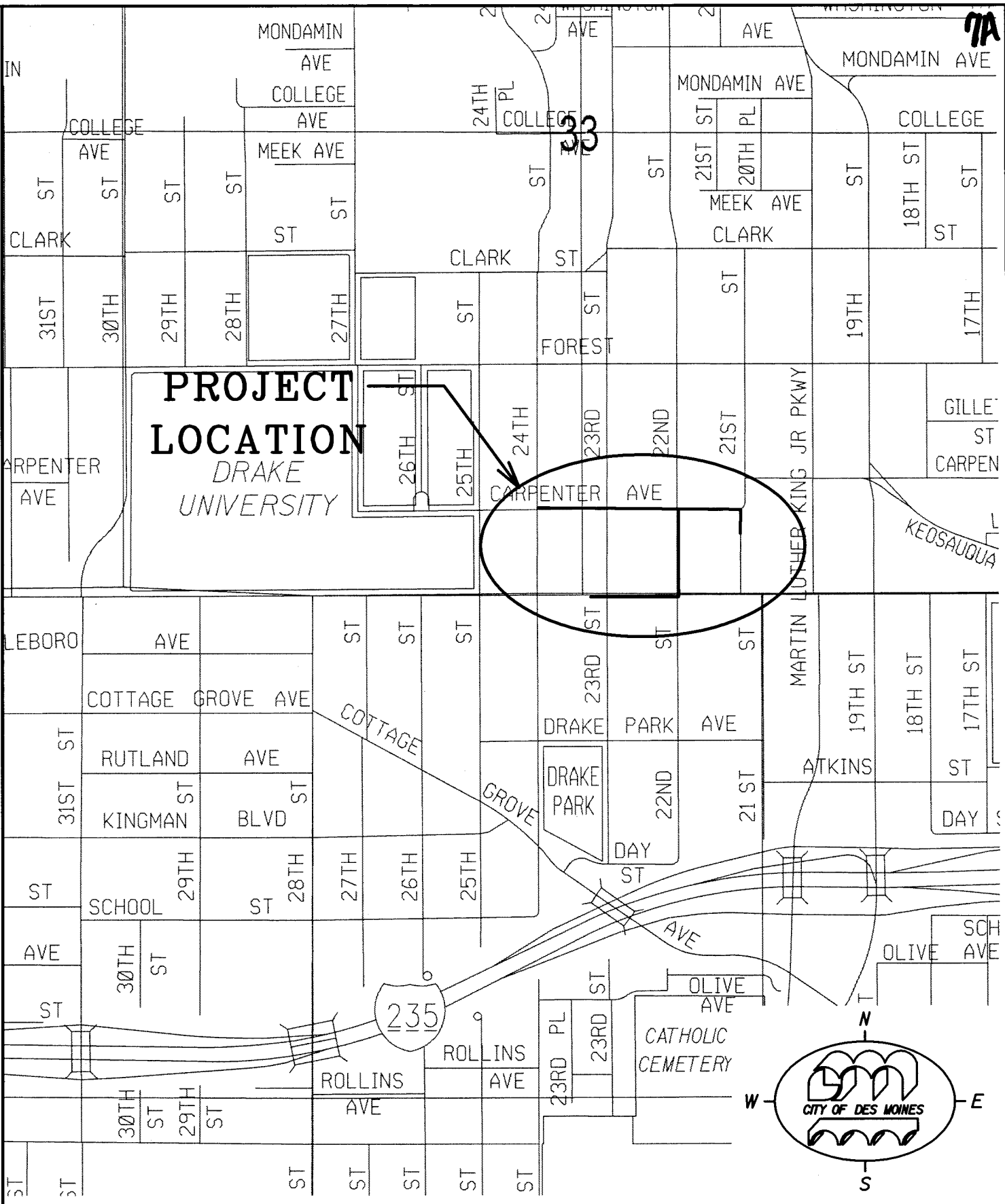
Mayor

I, Diane Rauh, 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.

City Clerk

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**PROJECT
LOCATION**
DRAKE
UNIVERSITY

**21ST STREET AND CARPENTER AVENUE
STORM SEWER IMPROVEMENTS
ACTIVITY I.D. 07-2006-006**

PROJECT SUMMARY

21st and Carpenter Storm Sewer Improve Activity ID 07-2006-006

On May 5, 2008, under Roll Call 08-830, the City Council awarded the contract for the above improvement to Reilly Construction Co., Inc. in the amount of \$1,398,640.25, for the construction of storm sewers in Carpenter Ave. from 21st St. to 24th St.; in 22nd St. from Carpenter Ave. to University Ave.; and in University Ave. from 22nd St. to 23rd St.

Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
1	9/8/2008 Full depth 8" PCC paving for street replacement	Consultant	\$208,231.00
2	9/25/2008 18" storm sewer in 21st St. for future housing	Engineering	\$24,790.00
3	10/6/2008 12" sanitary sewer construction	Engineering	\$23,848.10
4	10/13/2008 Light removals, sewer repair and connection, millings placement	Contractor	\$6,001.00
5	10/20/2008 Connect 5" PVC drain to intake. Adjust manhole using Type 'B' casting.	Contractor	\$4,980.00
6	10/27/2008 Pot holing and video inspection of sewers	Engineering	\$2,290.00
7	12/1/2008 Manufactured sand backfill and disconnect abandoned water service	Contractor	\$2,907.50
8	12/15/2008 2008 HMA price allowance	Contractor	\$4,250.75

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
9	12/30/2008 3 Layer Burlap Pavement Cover and M-4 concrete extra cost	Contractor	\$8,175.75
10	3/2/2009 Investigate sewer backup, replace chain link fence	Contractor	\$1,518.75
11	5/12/2009 Provide traffic loop detectors and handhole to replace system removed for construction.	Engineering	\$3,125.00
12	6/5/2009 Water Service Replacement and tile connection	Contractor	\$4,950.00
13	6/26/2009 Connect 6" PVC parking lot drain to Intake 15D.	Contractor	\$375.00
14	6/26/2009 Business access signing and two lane closure signing	Contractor	\$2,065.00
15	7/2/2009 Provide dowel baskets in 9" PCC pavement	Engineering	\$6,222.39
16	8/25/2009 Modular wall and intake removal on 22nd St.	Contractor	\$8,575.50
17	12/2/2009 Water stop box repairs	Regulator	\$11,830.24
18	Ajust contract quantities to final asbuilt quantities.	Engineering	(\$45,223.29)

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
	Original Contract Amount		\$1,398,640.25
	Total Change Orders		\$278,912.69
	Percent of Change Orders to Original Contract		19.94%
	Final Contract Amount		\$1,677,552.94

December 21, 2009



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 21st Street and Carpenter Avenue Storm Sewer Improvements, Reilly Construction Co., Inc..

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$1,677,552.94 As-Built Contract Cost

Funding Source: 2009-2010 CIP, Page Sanitary-7, CSO Flow Meter Installation, SAE083, Being: \$927,552.94 in Sanitary Sewer Funds and \$750,000 in Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On May 5, 2008, under Roll Call No. 08-830, the City Council awarded a contract to Reilly Construction Co., Inc., Chris R. Reilly, President, 110 Main Street, PO Box 99, Ossian, IA 52161 for the construction of the following improvement:

21st Street and Carpenter Avenue Storm Sewer Improvements, 07-2006-006

The improvement includes constructing 3,100 LF of 12" through 54" storm sewers, 15 storm manholes, 32 storm intakes, special structure, 8" and 9" base PCC pavement with HMA overlay, 6" and 8" PCC driveways, 4" PCC sidewalks, water main relocation, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 489-025/043, located on Carpenter Avenue from 21st Street to 25th Street, on University Avenue from 22nd Street to 23rd Street and on 22nd Street from Carpenter Avenue to University Avenue, Des Moines, Iowa

I hereby certify that the construction of said 21st Street and Carpenter Avenue Storm Sewer Improvements, Activity ID 07-2006-006, 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 June 2, 2009, and was completed on December 4, 2009.

I further certify that \$1,677,552.94 is the total cost of said improvement, of which \$1,550,637.74 has been paid the Contractor and \$43,037.55 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$83,877.65 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 E. Brewer", with a small mark at the end of the signature.

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



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 10/1/09 to 11/1/09
PARTIAL PAYMENT NO. 19 (Final)

Proj No: 07-2006-006
Activity ID: 07-2006-006
Date: 11/25/09

PROJECT: 21ST STREET AND CARPENTER AVENUE STORM SEWER IMPROVEMENTS
CONTRACTOR: REILLY CONSTRUCTION CO., INC.

LINE NO.	DESCRIPTION	UNIT	UNITS				TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	
1	Project Sign, Small	LS	1.000	1.000	1.000	\$125.00	\$125.00
2	Mobilization	LS	1.000	1.000	1.000	\$60,000.00	\$60,000.00
3	Traffic Control	LS	1.000	1.305	1.305	\$8,000.00	\$10,440.00
4	Pavement Scarification, HMA Milling	SY	7,600.000	8,070.300	8,070.300	\$4.00	\$32,281.20
5	Pavement Removal/Disposition	SY	4,995.000	8,070.300	8,070.300	\$6.00	\$48,421.80
6	Sidewalk, Driveway, Removal/Disposition	SY	850.000	1,336.650	1,336.650	\$6.00	\$8,019.90
7	Subgrade Preparation	SY	5,502.000	8,185.000	8,185.000	\$2.50	\$20,462.50
8	Subgrade Treatment, Flyash, 6% by Weight	SY	2,750.000	0.000	0.000	\$5.50	\$0.00
9	PCC Pavement, 8" Base, Integral Curb	SY	4,012.000	1,134.500	1,134.500	\$40.00	\$45,380.00
10	PCC Pavement, 9" Base, Integral Curb	SY	983.000	1,126.570	1,126.570	\$44.00	\$49,569.08
11	HMA 3M S 1/2, 2" Thickness	TON	930.000	297.000	297.000	\$80.00	\$23,760.00
12	PCC Commercial Driveway, 8" Type C, 10' Radius	SY	100.000	121.140	121.140	\$40.00	\$4,845.60
13	PCC Driveway, 6" Type A	SY	200.000	801.070	801.070	\$29.00	\$23,231.03
14	PCC Sidewalk, 4"	SY	600.000	727.690	727.690	\$20.00	\$14,553.80
15	Detectable Warnings	SF	320.000	332.000	332.000	\$25.00	\$8,300.00
16	Storm Sewer, 12" Class 3 RCP	LF	7.500	11.000	11.000	\$75.00	\$825.00
17	Storm Sewer, 15" Class 3 RCP	LF	234.500	244.000	244.000	\$55.00	\$13,420.00
18	Storm Sewer, 18" Class 3 RCP	LF	442.300	605.000	605.000	\$60.00	\$36,300.00
19	Storm Sewer, 21" Class 3 RCP	LF	75.500	40.000	40.000	\$65.50	\$2,620.00
20	Storm Sewer, 24" Class 3 RCP	LF	185.500	197.000	197.000	\$75.00	\$14,775.00
21	Storm Sewer, 30" Class 3 RCP	LF	363.500	364.000	364.000	\$90.00	\$32,760.00
22	Storm Sewer, 36" Class 3 RCP	LF	550.000	550.000	550.000	\$110.00	\$60,500.00
23	Storm Sewer, 42" Class 3 RCP	LF	397.500	397.500	397.500	\$125.00	\$49,687.50
24	Storm Sewer, 48" Class 3 RCP	LF	381.000	381.000	381.000	\$175.00	\$66,675.00
25	Storm Sewer, 54" Class 3 RCP	LF	334.000	334.000	334.000	\$200.00	\$66,800.00
26	Storm Sewer, 54" Class 3 RCAP	LF	24.000	24.000	24.000	\$225.00	\$5,400.00
27	Storm Sewer, 18" Class 4 RCP Jacked in Place without Casing Pipe	LF	32.000	26.000	26.000	\$550.00	\$14,300.00
28	Storm Sewer, 36" Class 4 RCP Jacked in Place without Casing Pipe	LF	56.000	56.000	56.000	\$600.00	\$33,600.00
29	Storm Sewer, 36" DI	LF	15.000	15.000	15.000	\$400.00	\$6,000.00

7A

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
30	Storm Manhole, Type M-A, 60"	EACH	2.000	1.000	1.000	\$5,500.00
31	Storm Manhole, Type M-A, 72"	EACH	3.000	4.000	4.000	\$24,000.00
32	Storm Manhole, Type M-C	EACH	7.000	7.000	7.000	\$12,500.00
33	Storm Manhole, Type M-D	EACH	3.000	3.000	3.000	\$17,500.00
34	Connection to Existing Manhole, Storm	LS	1.000	1.000	1.000	\$22,000.00
35	Intake, Type M-A	EACH	2.000	3.000	3.000	\$8,400.00
36	Intake, Type M-D	EACH	1.000	2.000	2.000	\$7,200.00
37	Intake, Type M-F	EACH	17.000	16.000	16.000	\$51,200.00
38	Intake, Type M-I	EACH	10.000	10.000	10.000	\$40,000.00
39	Intake, Type M-I Modified	EACH	1.000	1.000	1.000	\$5,500.00
40	Intake, Type RA-41	EACH	1.000	1.000	1.000	\$9,750.00
41	Special Structure 1	LS	1.000	1.000	1.000	\$17,500.00
42	Manhole Removal, Storm	EACH	2.000	5.000	5.000	\$4,500.00
43	Intake Removal	EACH	15.000	18.000	18.000	\$10,800.00
44	Standard Sewer Plug, 8"-30"	EACH	25.000	21.000	21.000	\$11,550.00
45	Special Sewer Plug, 48"	LS	1.000	2.000	2.000	\$9,000.00
46	Sanitary Sewer, 16" DI	LF	20.000	26.000	26.000	\$3,250.00
47	Sanitary Sewer Service Pipe, 6"	LF	400.000	162.000	162.000	\$9,720.00
48	Sanitary Sewer Service Connections	EACH	14.000	11.000	11.000	\$11,000.00
49	8" Water Main Relocation Location No. 1	LS	1.000	1.000	1.000	\$12,000.00
50	8" Water Main Relocation Location No. 2	LS	1.000	0.000	0.000	\$0.00
51	Water Service Depth Check	EACH	14.000	0.000	0.000	\$0.00
52	Lower Water Service	EACH	6.000	1.000	1.000	\$1,300.00
53	New Water Service	EACH	8.000	6.000	6.000	\$3,200.00
54	Water Service Relocation	EACH	1.000	1.000	1.000	\$4,000.00
55	New Water Service Corporation	EACH	8.000	5.000	5.000	\$2,500.00
56	Granular Stabilization Material	TON	240.000	0.000	0.000	\$0.00
57	Temporary Granular Surfacing Material	TON	300.000	164.600	164.600	\$4,938.00
58	Clearing and Grubbing	LS	1.000	1.200	1.200	\$4,250.00
59	Sodding	SQ	300.000	583.000	583.000	\$23,320.00
60	Silt Fence	LF	200.000	200.000	200.000	\$700.00
61	Inlet Filter	EACH	33.000	23.000	23.000	\$1,150.00
62	Construction Staking	LS	1.000	1.305	1.305	\$11,745.00
63	Erosion Control	LS	1.000	1.000	1.000	\$2,500.00
64	Tree Planting, Swamp White Oak, 1-1/2", B&B	EACH	4.000	4.000	4.000	\$1,400.00
65	Tree Planting, Skyline Honeylocust, 1-1/2", B&B	EACH	2.000	2.000	2.000	\$700.00
66	Road Closure, Remove and Replace	EACH	2.000	2.000	2.000	\$14,500.00

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
1.01	8" PCC Pavement with Integral Curb	SY		5,643.000	5,643.000	\$234,184.50
1.02	Class 10 Excavation	CY		1,224.000	1,224.000	\$18,360.00
1.03	6" Asphalt Millings Subbase from City Stockpile	CY		953.000	953.000	\$19,060.00
1.04	4" PVC Longitudinal Subdrain, Type I, Case C	LF		2,990.000	2,990.000	\$40,365.00
1.05	Subdrain Connections	EACH		18.000	18.000	\$3,150.00
2.01	Modification to Structure 3B	LS		1.000	1.000	\$2,000.00
2.02	Temporary bulkhead at Intake 3C	LS		1.000	1.000	\$150.00
3.01	12" Truss Sanitary Sewer	LF		185.000	185.000	\$24,975.00
3.02	48" Sanitary Manhole	EACH		2.000	2.000	\$8,400.00
3.03	Remove Existing Sanitary Sewer and Manhole	LS		1.000	1.000	\$2,055.00
3.04	Televise Sanitary Sewer	LF		185.000	185.000	\$418.10
4.01	Remove and deliver street light	EACH		5.000	5.000	\$360.00
4.02	Remove street light base	EACH		5.000	5.000	\$75.00
4.03	Connect 8" storm sewer to Special Structure 1	LS		1.000	1.000	\$750.00
4.04	Repair unmapped 18" sanitary sewer in 24th St.	LS		1.000	1.000	\$1,450.00
4.05	6" asphalt millings subbase, placement only	CY		271.000	271.000	\$1,626.00
5.01	Connect 5" PVC drain to intake	LS		1.000	1.000	\$355.000
5.02	Adjust manhole using Type 'B' casting	EACH		4.000	4.000	\$925.000
6.01	Pot holing and video inspection of sewers	LS		1.000	1.000	\$2,290.000
7.01	Manufactured sand backfill	TON		48.300	48.300	\$25.000
7.02	Disconnect abandoned water service	EACH		2.000	2.000	\$850.000
8.01	2008 HMA price allowance	TON		297.000	297.000	\$35.000
9.01	3 Layer Burlay Pavement Cover	SY		1,185.000	1,185.000	\$5,865.75
9.02	M-4 concrete extra cost	CY		60.000	60.000	\$2,310.00
10.01	Investigate sewer backup	LS		1.000	1.000	\$268.75
10.02	Replace chain link fence	LS		1.000	1.000	\$1,250.00
11.01	Detector loop installation	EACH		2.000	2.000	\$1,050.000
11.02	Type 1 handhole	EACH		1.000	1.000	\$1,025.000
12.01	Water Service Replacement	LS		1.000	1.000	\$4,575.000
12.02	Connect 6" tile to MH-13	LS		1.000	1.000	\$375.000
13.01	Connect 6" PVC parking lot drain	LS		1.000	1.000	\$375.000
14.01	Business access signing	LS		2.000	2.000	\$270.000
14.02	Two lane closure signing	LS		2.000	2.000	\$1,930.000
15.01	Dowel baskets in 9" PCC pavement	SY		1,126.570	1,126.570	\$6,330
16.01	Modular wall at 22nd St. & University Ave.	LS		1.000	1.000	\$4,245.75
16.02	Remove intake at 22nd St. & Drake Park Ave.	LS		1.000	1.000	\$4,329.75
17.01	Water Stop Box Repairs	LS		1.000	1.000	\$11,830.24
18.01	Adjust contract quantities to final asbuilt quantities					

LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$1,677,552.94				
	PARTIAL PAYMENT NO. 1		\$87,760.90				
	PARTIAL PAYMENT NO. 2		\$46,022.47				
	PARTIAL PAYMENT NO. 3		\$65,715.68				
	PARTIAL PAYMENT NO. 4		\$197,918.34				
	PARTIAL PAYMENT NO. 5		\$77,641.70				
	PARTIAL PAYMENT NO. 6		\$142,986.87				
	PARTIAL PAYMENT NO. 7		\$177,565.55				
	PARTIAL PAYMENT NO. 8		\$214,375.57				
	PARTIAL PAYMENT NO. 9		\$134,263.31				
	PARTIAL PAYMENT NO. 10		\$80,953.02				
	PARTIAL PAYMENT NO. 11		\$44,723.77				
	PARTIAL PAYMENT NO. 12		\$7,766.96				
	PARTIAL PAYMENT NO. 13		\$13,524.44				
	PARTIAL PAYMENT NO. 14		\$66,822.24				
	PARTIAL PAYMENT NO. 15		\$85,005.22				
	PARTIAL PAYMENT NO. 16		\$83,161.97				
	PARTIAL PAYMENT NO. 17		\$14,796.73				
	PARTIAL PAYMENT NO. 18		\$9,633.00				
	THIS PARTIAL PAYMENT		\$43,037.55				
	TOTAL PARTIAL PAYMENTS		\$1,593,675.29				
	BALANCE		\$83,877.65				
	TOTAL					\$1,677,552.94	
	RETAINAGE					\$83,877.65	
	TOTAL LESS RETAINAGE					\$1,593,675.29	
	LESS PREVIOUS PAYMENT					\$1,550,637.74	
	AMOUNT DUE					\$43,037.55	

PREPARED BY: *Open for signing*

CHECKED BY: *Tom Deard*

Tom Deard
 Reilly Construction Co., Inc.

PARTIAL PAYMENT NO. 19 (Final)