

★ Roll Call Number

Agenda Item Number

11 A

DATE May 7, 2018

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2015 SEWER LINING PROGRAM, SAK CONSTRUCTION, LLC

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 2015 Sewer Lining Program, 07-2016-001, in accordance with the contract approved between SAK Construction, LLC, Boyd Hirtz, Vice President, 864 Hoff Road, O'Fallon, MO 63366, under Roll Call No. 15-1827, of October 26, 2015, 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 \$2,837,501.79 is the total cost, of which \$2,837,501.79 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 \$0.00 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 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:

FUNDS AVAILABLE

Kathleen Vanderpool by AD
Kathleen Vanderpool
Deputy City Attorney

Robert L. Fagen
Des Moines Finance Director

SLN

Funding Source: 2018-2019 CIP, Page Sanitary - 9, Sanitary Sewer Lining and Repairs, SS049, Being: \$2,137,031.07 in Sanitary Sewer Lining and Repairs, and the remaining \$675,458.86 in Storm Water Utility Funds from SM057, City-wide Storm Water Utility Projects, and the remaining 25,011.86 from Des Moines Water Works

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, Pass, ABSENT. Rows include COWNIE, BOESEN, COLEMAN, GATTO, GRAY, MANDELBAUM, WESTERGAARD, and TOTAL.

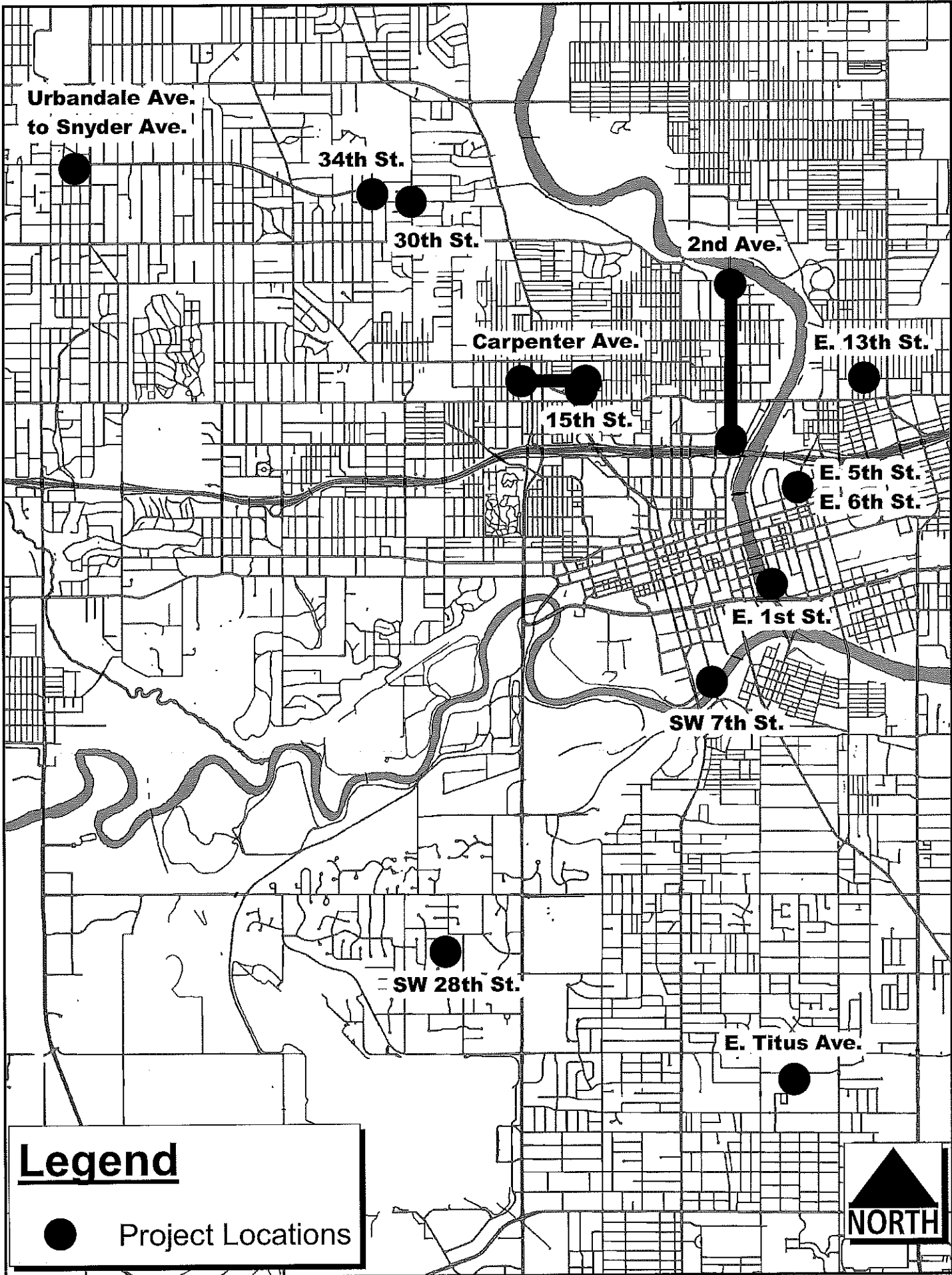
CERTIFICATE

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.

Mayor

City Clerk



Legend

● Project Locations



PROJECT SUMMARY

2015 Sewer Lining Program

Activity ID 07-2016-001

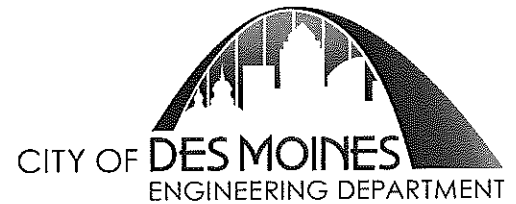
On October 26, 2015, under Roll Call No. 15-1827, the Council awarded the contract for the above improvements to SAK Construction, LLC, in the amount of \$3,546,470.00. Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Initiated By</u>	<u>Description</u>	<u>Amount</u>
1	Engineering	6/3/2016 Install 18-inch CIPP Sewer Liner for deteriorated sanitary sewers on Locust Street and E. 5th Street. Repair a water service line on Woodland Avenue Construct a new intake top on Snyder Avenue.	\$18,710.83
2	Engineering	7/19/2016 Relocate water main to allow for a sanitary sewer repair.	\$16,064.81
3	Engineering	8/3/2016 Sanitary sewer repair, and associated watermain relocation to be reimbursed by DMWW.	\$8,947.05
4	Engineering	1/18/2017 Install 8-inch C.I.P.P. sewer liner to repair deteriorated sewer on Wall Avenue	\$13,909.60
5	Engineering	2/21/2017 Install shoring and excavate soil to stabilize riverwalk area near City Hall.	\$20,858.81
6	City	6/26/2017 Repair sanitary sewer at 2930 SE 14th Street.	\$9,700.00
7	Engineering	9/21/2017 Line additional deteriorated storm and sanitary sewers in order to prevent failure of the pipe.	\$12,801.00
8	Engineering	11/13/2017 Provide shoring to stabilize riverwalk area near City Hall.	\$24,393.60
9	Engineering	1/19/2018 Adjust plan quantities to as-built quantities.	\$(834,353.91)

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Original Contract Amount	\$3,546,470.00
Total Change Orders	\$(708,968.21)
Percent of Change Orders to Original Contract	(19.99)%
Total Contract Amount	\$2,837,501.79

May 7, 2018



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2015 Sewer Lining Program, SAK Construction, LLC.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$2,837,501.79 As-Built Contract Cost

Funding Source: 2018-2019 CIP, Page Sanitary -- 9, Sanitary Sewer Lining and Repairs, SS049, Being: \$2,137,031.07 in Sanitary Sewer Lining and Repairs, and the remaining \$675,458.86 in Storm Water Utility Funds from SM057, City-wide Storm Water Utility Projects, and the remaining 25,011.86 from Des Moines Water Works

CERTIFICATION OF COMPLETION:

On October 26, 2015, under Roll Call No. 15-1827, the City Council awarded a contract to SAK Construction, LLC, Boyd Hirtz, Vice President, 864 Hoff Road, O'Fallon, MO 63366 for the construction of the following improvement:

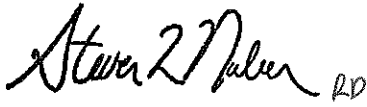
2015 Sewer Lining Program, 07-2016-001

The improvement includes the renovation of 6,150 lineal feet of 10-inch through 60-inch diameter sanitary and storm sewers with cured-in-place pipe (CIPP) lining, 50 lineal feet of 54-inch storm sewer with sliplining, and 250 lineal feet of 90-inch storm sewer with centrifugally cast cementitious lining. Also included is by-pass pumping, sewer cleaning and televising, sewer spot repairs, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Numbers 570-094/112 at the following locations: Carpenter Avenue, 15th Place, E. 1st Street, E. 6th Street, E. 5th Street, E. 13th Street, 30th Street, S.W. 28th Street, 2nd Avenue, S.W. 7th Street, E. Titus Avenue, 34th Street, and S.W. 7th Street, Des Moines, Iowa

I hereby certify that the construction of said 2015 Sewer Lining Program, Activity ID 07-2016-001, 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 January 4, 2016, and was completed on April 23, 2018.

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I further certify that \$2,837,501.79 is the total cost of said improvement, of which \$2,837,501.79 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 \$0.00 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 1/25/2018 TO 1/26/2018
FINAL PAYMENT (PAYMENT NO. 16)**

**PROJECT: 2015 SEWER LINING PROGRAM
CONTRACTOR: SAK CONSTRUCTION, LLC**

**Proj No:
Activity ID: 07-2016-001
1/26/2018**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Traffic Control	LS	1.000	1.000	1.000	\$50,000.00	\$50,000.00
2	Mobilization	LS	1.000	1.000	1.000	\$138,000.00	\$138,000.00
3	Sewer Liner, 10" CIPP	LF	250.000	806.000	806.000	\$33.00	\$26,598.00
4	Sewer Liner, 12" CIPP	LF	725.000	677.000	677.000	\$36.00	\$24,372.00
5	Sewer Liner, 21" CIPP	LF	400.000	0.000	0.000	\$72.00	\$0.00
6	Sewer Liner, 24" CIPP	LF	125.000	584.000	584.000	\$150.00	\$87,600.00
7	Sewer Liner, 30" CIPP	LF	800.000	1,177.000	1,177.000	\$130.00	\$153,010.00
8	Sewer Liner, 36" CIPP	LF	350.000	321.000	321.000	\$150.00	\$48,150.00
9	Sewer Liner, 48" CIPP	LF	3,250.000	3,095.000	3,095.000	\$265.00	\$820,175.00
10	Sewer Liner, 54" CIPP	LF	170.000	226.000	226.000	\$365.00	\$82,490.00
11	Sewer Liner, 60" CIPP	LF	80.000	80.000	80.000	\$595.00	\$47,600.00
12	Sewer Liner, 48" Slip Liner	LF	50.000	50.000	50.000	\$650.00	\$32,500.00
13	Sewer Liner, 90" Centrifugally Cast Cementitious Pipe Liner	LF	250.000	250.000	250.000	\$780.00	\$195,000.00
14	Sewer Service Reconnection	EACH	250.000	172.000	172.000	\$100.00	\$17,200.00
15	Sewer Service Connection CIPP Liner	EACH	25.000	15.000	15.000	\$2,000.00	\$30,000.00
16	Sewer Cleaning and Televising, 8"-30" Diam.	LF	2,300.000	4,648.000	4,648.000	\$7.00	\$32,536.00
17	Sewer Cleaning and Televising, 36"-90" Diam.	LF	10,650.000	9,969.000	9,969.000	\$18.50	\$184,426.50
18	Bypass Pumping	LS	1.000	1.000	1.000	\$170,000.00	\$170,000.00
19	Manhole, 48" Diameter Structure	EACH	7.000	2.000	2.000	\$18,000.00	\$36,000.00
20	Manhole, Type SW-304	EACH	7.000	0.000	0.000	\$32,000.00	\$0.00
21	Manhole, Type SW-403	EACH	2.000	0.000	0.000	\$30,000.00	\$0.00
22	Intake, Type SW-507	EACH	1.000	0.000	0.000	\$10,000.00	\$0.00
23	Minor Manhole Adjustment	EACH	2.000	1.000	1.000	\$900.00	\$900.00
24	Major Manhole Adjustment	EACH	2.000	5.000	5.000	\$4,850.00	\$24,250.00
25	Manhole Lining with Centrifugally Cast Mortar Liner	EACH	25.000	13.000	13.000	\$2,100.00	\$27,300.00
26	SE 5th Street Sinkhole Repair	LS	1.000	1.000	1.000	\$6,000.00	\$6,000.00

27	E. 13th Spot Repair (Repair #1)	LS	1.000	1.000	1.000	\$14,500.00	\$14,500.00
28	E. 13th Spot Repair (Repair #2)	LS	1.000	1.000	1.000	\$22,500.00	\$22,500.00
29	E. 13th Street Cavity Repair (Repair #3)	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
30	30th Street Spot Repair (Repair #1)	LS	1.000	1.000	1.000	\$19,500.00	\$19,500.00
31	30th Street Spot Repair (Repair #2)	LS	1.000	0.000	0.000	\$15,500.00	\$0.00
32	Spot Repair, 14' Deep or Less, 21" Diam. Or Less	EACH	7.000	3.000	3.000	\$14,500.00	\$43,500.00
33	Spot Repair, 14' Deep or Less, Greater than 21" Diam.	EACH	5.000	0.000	0.000	\$21,000.00	\$0.00
34	Spot Repair, Greater than 14' Deep, 21" Diam. Or Less	EACH	7.000	2.000	2.000	\$23,500.00	\$47,000.00
35	Spot Repair, Greater than 14' Deep, Greater than 21" Diam.	EACH	5.000	0.000	0.000	\$27,000.00	\$0.00
36	Sewer Service Connection Repair made during Spot Repair	EACH	7.000	7.000	7.000	\$3,600.00	\$25,200.00
37	Traffic Control for Spot Repair, Residential Street	EACH	10.000	3.000	3.000	\$1,000.00	\$3,000.00
38	Traffic Control for Spot Repair, Non-Residential Street	EACH	10.000	3.000	3.000	\$2,000.00	\$6,000.00
39	Composite Pavement	SY	500.000	678.930	678.930	\$126.00	\$85,545.18
40	PCC Pavement, 6"	SY	300.000	14.100	14.100	\$80.00	\$1,128.00
41	PCC Pavement, 8"	SY	200.000	128.770	128.770	\$98.00	\$12,619.46
42	Temporary Cap for Composite Pavement Patch	SY	100.000	189.700	189.700	\$65.00	\$12,330.50
43	PCC Curb and Gutter	LF	20.000	79.500	79.500	\$56.00	\$4,452.00
44	PCC Sidewalk	SY	20.000	32.000	32.000	\$50.00	\$1,600.00
45	Pavement Removal	SY	750.000	959.500	959.500	\$14.00	\$13,433.00
46	Uniformed Police Officer	EACH	15.000	6.000	6.000	\$400.00	\$2,400.00
47	Sodding	SQ	15.000	0.000	0.000	\$120.00	\$0.00
48	Rip Rap, Class D	TON	80.000	68.590	68.590	\$55.00	\$3,772.45
49	Filter Sock	LF	100.000	0.000	0.000	\$3.50	\$0.00
50	Remove Filter Sock	LF	100.000	0.000	0.000	\$1.50	\$0.00
51	RCP Apron w/ Footing and Apron Guard, 48"	EACH	1.000	1.000	1.000	\$6,400.00	\$6,400.00
52	RCP Apron w/ Footing and Apron Guard, 54"	EACH	1.000	1.000	1.000	\$7,000.00	\$7,000.00
53	Tree Protection Fencing	LF	665.000	0.000	0.000	\$5.00	\$0.00
54	Mobilization for Emergency Spot Repair	EACH	10.000	3.000	3.000	\$2,000.00	\$6,000.00
55	Manhole Enlargement	EACH	4.000	3.000	3.000	\$22,000.00	\$66,000.00
56	Sewer Cleanings	TON	1,000.000	0.000	0.000	\$45.00	\$0.00
57	Dewatering	EACH	4.000	0.000	0.000	\$6,800.00	\$0.00
1.01	Sewer Liner, 18" CIPP	LF	0.000	447.000	447.000	\$115.00	\$51,405.00
1.02	Water Service Repair	LS	0.000	1.000	1.000	\$2,805.83	\$2,805.83
1.03	Intake Top, Type SW-507	EACH	0.000	1.000	1.000	\$3,300.00	\$3,300.00
2.01	Water Main Relocation, 18th & Carpenter	LS	0.000	1.000	1.000	\$16,064.81	\$16,064.81
3.01	Water Main Relocation, 30th	LS	0.000	1.000	1.000	\$8,947.05	\$8,947.05
4.01	Sewer Liner, 8" CIPP	LF	0.000	759.000	759.000	\$26.40	\$20,037.60
4.02	Detour Signing, 42nd Street	LS	0.000	1.000	1.000	\$1,000.00	\$1,000.00
5.01	Shoring, River Wall at City Hall	LS	0.000	1.000	1.000	\$17,000.00	\$17,000.00
5.02	Excavation, River Wall at City Hall	LS	0.000	1.000	1.000	\$25,858.81	\$25,858.81

6.01	Sanitary Sewer Repair, 2930 SE 14th Street	LS	0.000	1.000	1.000	\$9,700.00	\$9,700.00
7.01	Dewater River Box for Sewer Televising	LS	0.000	1.000	1.000	\$4,170.00	\$4,170.00
7.02	Sanitary Sewer Saddle, 3333 Grand Avenue	LS	0.000	1.000	1.000	\$1,006.00	\$1,006.00
7.03	Additional Lining Mobilization	LS	0.000	1.000	1.000	\$6,900.00	\$6,900.00
7.04	Liner Taper, 17" to 24"	LS	0.000	1.000	1.000	\$725.00	\$725.00
8.01	Shoring Rental	LS	0.000	1.000	1.000	\$24,393.60	\$24,393.60
9.01	CIPP Liner Cure Fume Mitigation	LS	0.000	1.000	1.000	\$1,200.00	\$1,200.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$2,837,501.79				
PARTIAL PAYMENT #1			\$44,665.10				
PARTIAL PAYMENT #2			\$392,461.08				
PARTIAL PAYMENT #3			\$543,992.30				
PARTIAL PAYMENT #4			\$390,003.12				
PARTIAL PAYMENT #5			\$690,991.15				
PARTIAL PAYMENT #6			\$211,658.70				
PARTIAL PAYMENT #7			\$26,481.00				
PARTIAL PAYMENT #8			\$193,823.95				
PARTIAL PAYMENT #9			\$66,260.31				
PARTIAL PAYMENT #10			\$41,573.04				
PARTIAL PAYMENT #11			\$80,471.44				
PARTIAL PAYMENT #12			\$9,700.00				
PARTIAL PAYMENT #13			\$59,585.00				
PARTIAL PAYMENT #14			\$24,393.60				
PARTIAL PAYMENT #15			\$61,442.00				
THIS FINAL PAYMENT			\$0.00				
TOTAL PARTIAL PAYMENTS			\$2,837,501.79				
BALANCE			\$0.00				

PREPARED BY: *Matt Redeker*

CHECKED BY: *Jack Z...*

CONTRACTOR AGREEMENT: *Randall D. Math...*
SJK Construction

TOTAL	\$2,837,501.79
RETAINAGE	\$0.00
TOTAL LESS RETAINAGE	\$2,837,501.79
LESS PREVIOUS PAYMENT	\$2,837,501.79
AMOUNT DUE	\$0.00

FINAL PAYMENT (PAYMENT NO. 16)

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