

★ **Roll Call Number**

Agenda Item Number

14 D

DATE November 21, 2016

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR 2013 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 2013 Sewer Lining Program, 07-2013-002, 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. 13-1521, of September 23, 2013, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

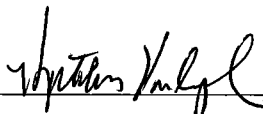
BE IT FURTHER RESOLVED: That \$1,897,367.65 is the total cost, of which \$1,897,367.65 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$0.00 is to be paid at the end of thirty days, with funds retained 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
Deputy City Attorney



Daniel E. Ritter
Des Moines Finance Director

AE Funding Source: 2016-2017 CIP, Page Sanitary - 8, Lining Sanitary Trunk and Lateral Sewers, SS049, Sanitary Sewer Funds, Being: \$1,708,677.65 in Sanitary Sewer Funds, SS049; and the remaining \$188,690 in Storm Water Utility Funds from SM057, City-wide Storm Water Utility Funds

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

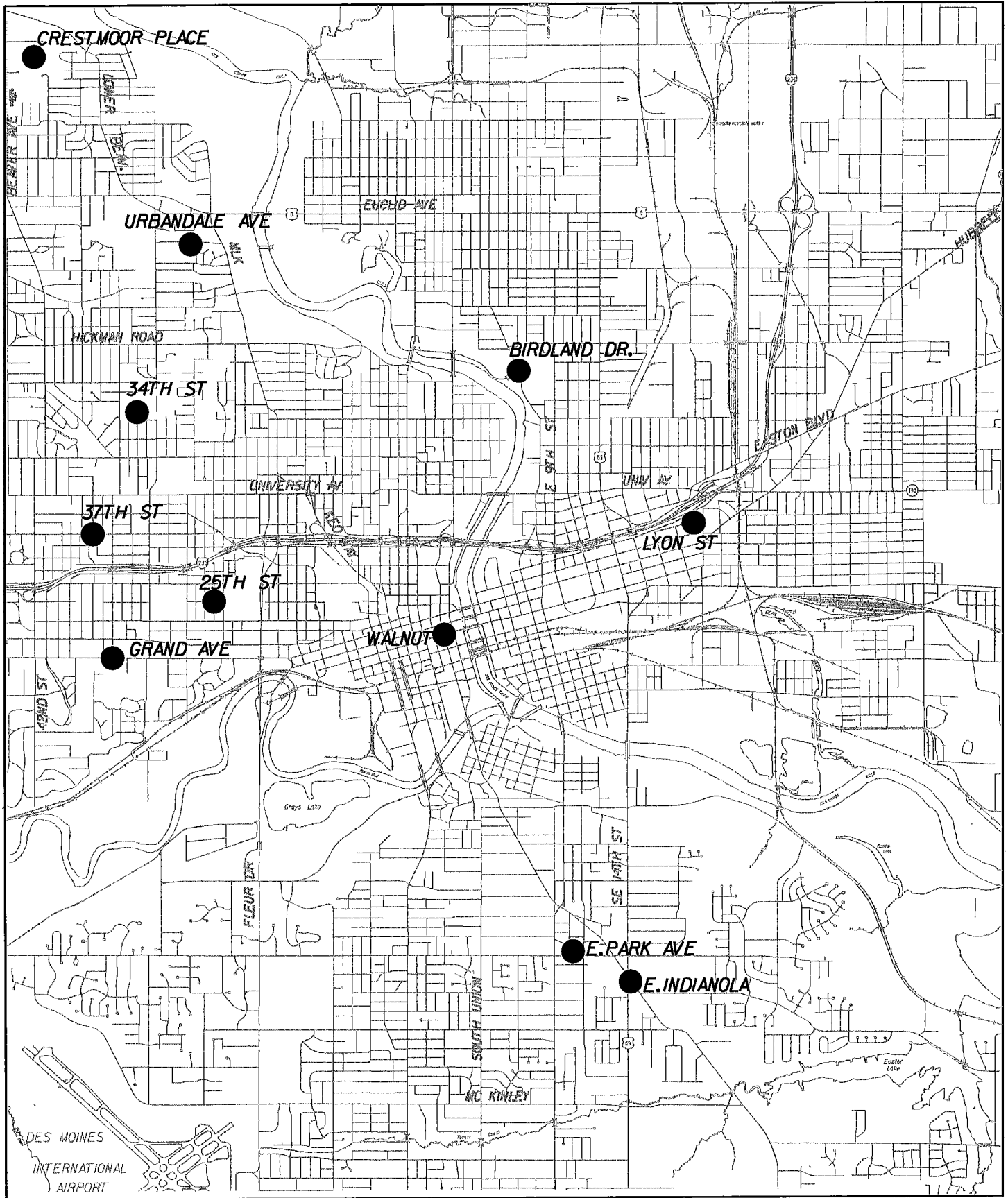
CERTIFICATE

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



PROJECT SUMMARY

2013 Sewer Lining Program

Activity ID 07-2013-002

On September 23, 2013, under Roll Call No. 13-1521, the Council awarded the contract for the above improvements to SAK Construction, LLC, in the amount of \$1,788,180.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	11/8/2013 Line 105 feet of deteriorated 24" CMP storm sewer in the 2400 block of E. Watrous Avenue.	\$22,495.00
2	Engineering	5/23/2014 Line 392 LF of deteriorated 18" storm sewer located at the 3300 block of Urbandale Avenue.	\$23,422.00
3	Engineering	6/4/2013 Repair a collapsed sanitary sewer at 4400 Woodland Avenue.	\$10,780.00
4	Engineering	1/20/2015 Construct spot repairs for deteriorated sanitary sewers on SE 14th Court, Grand Avenue, Northwest Drive, and New York Avenue. Reconnect a sanitary sewer service on Indianola Avenue.	\$22,609.55
5	Engineering	2/23/2015 Construct a sanitary sewer spot repair for a deteriorated sewer on Nash Drive. Adjust plan quantities to as-built quantities for 60" CIPP Liner.	\$20,973.00
6	Engineering	4/20/2015 Relocate 30" sanitary sewer, install sanitary manholes, and construct stream bank stabilization.	\$200,000.00
7	Engineering	6/16/2015 Perform sanitary sewer spot repair near 1220 E. 38th Street. Fill an abandoned storm sewer near 4140 E. 14th Street.	\$22,715.00
8	Engineering	7/13/2015 Additional dewatering required for sewer repair.	\$19,600.00
9	Engineering	12/7/2015	\$18,491.00

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		Repair a damaged sanitary sewer at 660 Foster Drive; grade ditch at 3729 E. University Avenue; adjust plan quantity to as-built quantity for 21" CIPP Liner.	
10	Engineering	6/3/2016	\$9,750.00
		Stabilize an eroded drainage way near 660 Foster Drive.	
11	Engineering	10/17/2016	\$(261,647.90)
		Adjust plan quantities to as-built quantities.	
		Original Contract Amount	\$1,788,180.00
		Total Change Orders	\$109,187.65
		Percent of Change Orders to Original Contract	6.11%
		Total Contract Amount	\$1,897,367.65

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November 21, 2016



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2013 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: \$1,897,367.65 As-Built Contract Cost

Funding Source: 2016-2017 CIP, Page Sanitary - 8, Lining Sanitary Trunk and Lateral Sewers, SS049, Sanitary Sewer Funds, Being: \$1,708,677.65 in Sanitary Sewer Funds, SS049; and the remaining \$188,690 in Storm Water Utility Funds from SM057, City-wide Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On September 23, 2013, under Roll Call No. 13-1521, 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:

2013 Sewer Lining Program, 07-2013-002

The improvement includes the renovation of 11,320 lineal feet of 10" through 60" diameter sanitary and storm sewers with cured-in-place pipe (CIPP), by-pass pumping, sewer repairs, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Numbers 554-037/052 at the following locations: Crestmoor Place, Walnut Street, 37th Street, Urbandale Avenue, Lyon Street, Indianola Avenue, Birdland Drive, 34th Street, E. Park Avenue, Grand Avenue, and 25th Street, Des Moines, Iowa.

I hereby certify that the construction of said 2013 Sewer Lining Program, Activity ID 07-2013-002, 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 18, 2013, and was completed on November 10, 2016.

I further certify that \$1,897,367.65 is the total cost of said improvement, of which \$1,897,367.65 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.



Pamela S. Cooksey, P.E.
Des Moines City Engineer

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 8/29/2016 to 10/21/2016
FINAL PAYMENT (PAYMENT NO. 14)

PROJECT: 2013 SEWER LINING PROGRAM
CONTRACTOR: SAK CONSTRUCTION, LLC

Proj No:
Activity ID: 07-2013-002
10/21/2016

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	CIPP LINER, 10" DIA.	LF	1,800.000	1,808.000	1,808.000	\$29.70	\$53,697.60
2	CIPP LINER, 15" DIA.	LF	6,200.000	5,519.000	5,519.000	\$52.50	\$289,747.50
3	CIPP LINER, 21" DIA.	LF	1,850.000	1,756.000	1,756.000	\$66.00	\$115,896.00
4	CIPP LINER, 60" DIA.	LF	720.000	683.000	683.000	\$397.00	\$271,151.00
5	SPECIAL LINER, 37TH STREET	LS	1.000	0.000	0.000	\$3,600.00	\$0.00
6	CIPP LINER, 45" x 36" BOX	LF	650.000	626.000	626.000	\$334.00	\$209,084.00
7	SEWER SERVICES, RECONNECT	EA	250.000	236.000	236.000	\$25.00	\$5,900.00
8	SPOT REPAIR, SEWER, 8" TO 36" DIA.	EA	15.000	10.000	10.000	\$6,000.00	\$60,000.00
9	SPOT REPAIR, SEWER, 42" TO 60" DIA.	EA	10.000	0.000	0.000	\$6,500.00	\$0.00
10	CLEAN SEWER, 8" TO 18"	LF	8,100.000	7,712.000	7,712.000	\$4.00	\$30,848.00
11	CLEAN SEWER, 21" TO 36"	LF	1,850.000	1,852.000	1,852.000	\$5.00	\$9,260.00
12	CLEAN SEWER, 42" TO 60"	LF	1,370.000	1,307.000	1,307.000	\$19.00	\$24,833.00
13	CLEANINGS, SEWER	TON	80.000	0.000	0.000	\$40.00	\$0.00
14	CLEANINGS, CONTAMINATED	TON	30.000	0.000	0.000	\$80.00	\$0.00
15	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$25,000.00	\$25,000.00
16	NEW MANHOLE, BIRDLAND DR.	LS	1.000	1.000	1.000	\$10,525.00	\$10,525.00
17	NEW INTAKE, BIRDLAND DR.	LS	1.000	1.000	1.000	\$8,425.00	\$8,425.00
18	24" SLIP LINE, BIRDLAND DR.	LS	1.000	1.000	1.000	\$22,105.00	\$22,105.00
19	24" RCP STORM SEWER, BIRDLAND DR.	LS	1.000	1.000	1.000	\$5,275.00	\$5,275.00
20	PLUG SEWERS, BIRDLAND DR.	LS	1.000	1.000	1.000	\$4,210.00	\$4,210.00
21	NEW MANHOLE, 37TH STREET	EA	2.000	2.000	2.000	\$12,105.00	\$24,210.00
22	MANHOLE DROP PIPE MODIFICATIONS, CRESTMOOR PL.	LS	1.000	1.000	1.000	\$12,631.00	\$12,631.00
23	PROJECT SIGN - SMALL, STANDARD	EA	1.000	0.000	0.000	\$1,000.00	\$0.00
24	RAISE MH TO GRADE	EA	6.000	1.000	1.000	\$3,000.00	\$3,000.00
25	UNIFORMED POLICE OFFICERS	HR	50.000	116.500	116.500	\$65.00	\$7,572.50
26	MANHOLE REHAB, STRONG SEAL	EA	25.000	22.000	22.000	\$1,200.00	\$26,400.00
27	BY-PASS PUMPING	LS	1.000	1.000	1.000	\$104,438.00	\$104,438.00
28	SIDEWALK, REMOVAL AND REPLACEMENT	SY	25.000	14.000	14.000	\$62.00	\$868.00
29	MANHOLE, 48" DIA	EA	10.000	2.000	2.000	\$10,500.00	\$21,000.00
30	MANHOLE, ENLARGE OPENING	EA	4.000	4.000	4.000	\$9,475.00	\$37,900.00
31	SERVICE, RECONNECT, 37TH STREET	EA	2.000	1.000	1.000	\$1,578.00	\$1,578.00
32	PCC PAVEMENT, REMOVE AND REPLACE	SY	575.000	126.220	126.220	\$100.00	\$12,622.00
33	COMPOSITE PAVEMENT, REMOVE AND REPLACE	SY	575.000	339.700	339.700	\$125.00	\$42,462.50
1.01	CIPP LINER, 24" CIPP	LS	0.000	1.000	1.000	\$22,495.00	\$22,495.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
2.01	CIPP LINER, 18" DIA.	LF	0.000	392.000	392.000	\$59.75	\$23,422.00
3.01	EXTRA DEPTH SEWER REPAIR (WOODLAND AVENUE)	LS	0.000	1.000	1.000	\$7,480.00	\$7,480.00
3.02	SERVICE, RECONNECT (WOODLAND AVENUE)	LS	0.000	1.000	1.000	\$3,300.00	\$3,300.00
4.01	DEWATERING (SE 14TH COURT)	LS	0.000	1.000	1.000	\$3,311.00	\$3,311.00
4.02	EXTRA DEPTH SEWER REPAIR (3333 GRAND AVENUE)	LS	0.000	1.000	1.000	\$935.00	\$935.00
4.03	UTILITY PROTECTION FOR SEWER REPAIR (NORTHWEST DRIVE)	LS	0.000	1.000	1.000	\$8,305.00	\$8,305.00
4.04	SERVICE RECONNECT (INDIANOLA AVENUE)	LS	0.000	1.000	1.000	\$3,000.00	\$3,000.00
4.05	EXTRA DEPTH SEWER REPAIRS (3700 BLOCK GRAND AVENUE)	LS	0.000	1.000	1.000	\$14,858.55	\$14,858.55
4.06	SAK COST SHARE FOR SEWER REPAIRS (3700 BLOCK OF GRAND AVENUE)	LS	0.000	1.000	1.000	(\$10,000.00)	(\$10,000.00)
4.07	SERVICE RECONNECT (NEW YORK AVENUE)	LS	0.000	1.000	1.000	\$2,200.00	\$2,200.00
5.01	EXTRA DEPTH SEWER REPAIR (NASH DRIVE)	LS	0.000	1.000	1.000	\$35,662.00	\$35,662.00
6.01	72" SANITARY MANHOLE	EA	0.000	1.000	1.000	\$13,530.00	\$13,530.00
6.02	SW-304 MANHOLE	EA	0.000	2.000	2.000	\$20,680.00	\$41,360.00
6.03	30" A-2000 PVC SANITARY SEWER	LF	0.000	270.000	270.000	\$221.10	\$59,697.00
6.04	PCC PAVEMENT REMOVAL	SY	0.000	80.000	80.000	\$16.50	\$1,320.00
6.05	6" PCC PAVEMENT	SY	0.000	80.000	80.000	\$71.50	\$5,720.00
6.06	CLEARING AND GRUBBING	LS	0.000	1.000	1.000	\$18,700.00	\$18,700.00
6.07	BANK SHAPING	LS	0.000	1.000	1.000	\$3,300.00	\$3,300.00
6.08	RIP RAP	TON	0.000	350.000	350.000	\$66.00	\$23,100.00
6.09	FILTER FABRIC	SY	0.000	550.000	550.000	\$2.20	\$1,210.00
6.10	SEEDING	LS	0.000	1.000	1.000	\$3,850.00	\$3,850.00
6.11	ABANDON 30" SEWER	LF	0.000	100.000	100.000	\$44.00	\$4,400.00
6.12	DEWATERING	LS	0.000	1.000	1.000	\$13,200.00	\$13,200.00
6.13	FLOW DIVERSION	LS	0.000	1.000	1.000	\$4,400.00	\$4,400.00
6.14	PLUG 30" PIPE	LS	0.000	1.000	1.000	\$880.00	\$880.00
6.15	MOBILIZATION	LS	0.000	1.000	1.000	\$5,333.00	\$5,333.00
7.01	EXTRA DEPTH SPOT REPAIR (1220 E. 38TH STREET)	LS	0.000	1.000	1.000	\$15,345.00	\$15,345.00
7.02	FILL ABANDONED STORM SEWER (4140 E. 14TH STREET)	LS	0.000	1.000	1.000	\$7,370.00	\$7,370.00
8.01	ADDITIONAL DEWATERING	LS	0.000	1.000	1.000	\$20,000.00	\$20,000.00
8.02	TREE DAMAGE CREDIT	LS	0.000	1.000	1.000	(\$400.00)	(\$400.00)
9.01	EXTRA PIPE LENGTH SPOT REPAIR (660 FOSTER DRIVE)	LS	0.000	1.000	1.000	\$19,855.00	\$19,855.00
9.02	DITCH GRADING (3729 E. UNIVERSITY AVENUE)	LS	0.000	1.000	1.000	\$4,840.00	\$4,840.00
10.01	Rip Rap, Class D	TON	0.000	325.000	325.000	\$90.00	\$29,250.00
10.02	Class 10 Fill	CY	0.000	425.000	425.000	\$60.00	\$25,500.00
10.03	Sheeting	LS	0.000	1.000	1.000	\$10,000.00	\$10,000.00
10.04	Seeding and Erosion Matting	LS	0.000	1.000	1.000	\$10,000.00	\$10,000.00

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LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$1,897,367.65				
	PARTIAL PAYMENT NO. 1		\$117,328.58				
	PARTIAL PAYMENT NO. 2		\$21,085.86				
	PARTIAL PAYMENT NO. 3		\$691,651.90				
	PARTIAL PAYMENT NO. 4		\$467,907.25				
	PARTIAL PAYMENT NO. 5		\$59,394.55				
	PARTIAL PAYMENT NO. 6		\$31,980.46				
	PARTIAL PAYMENT NO. 7		\$64,732.25				
	PARTIAL PAYMENT NO. 8		\$74,626.03				
	PARTIAL PAYMENT NO. 9		\$232,715.77				
	PARTIAL PAYMENT NO. 10		\$19,600.00				
	PARTIAL PAYMENT NO. 11		\$30,695.00				
	PARTIAL PAYMENT NO. 12		\$74,750.00				
	PARTIAL PAYMENT NO. 13		\$10,900.00				
	THIS FINAL PAYMENT		\$0.00				
	TOTAL PARTIAL PAYMENTS		\$1,897,367.65				
	BALANCE		\$0.00				

TOTAL	\$1,897,367.65
RETAINAGE	\$0.00
TOTAL LESS RETAINAGE	\$1,897,367.65
LESS PREVIOUS PAYMENT	\$1,897,367.65
AMOUNT DUE	\$0.00

PREPARED BY: *Matt Bush*

CHECKED BY: *John L. ...*

CONTRACTOR AGREEMENT: *Richard W. ... 11-04-16*

FINAL PAYMENT (PAYMENT NO. 14)

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