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DATE September 27, 2010

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR 13TH STREET & JEFFERSON AVENUE OVERFLOW ELIMINATION, VAN HAUEN &
ASSOCIATES, 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 13th Street & Jefferson Avenue Overflow Elimination, 07-2008-002, in accordance with the contract approved between Van Hauen & Associates, Inc., Brian Tancos, President, 1205 SW 37th Street, Grimes, IA 50111, under Roll Call No. 08-740, of April 21, 2008, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

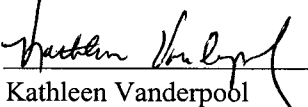
BE IT FURTHER RESOLVED: That \$1,459,208.93 is the total cost, of which \$1,386,248.48 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$72,960.45 is to be paid at the end of thirty days, with funds retained 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.

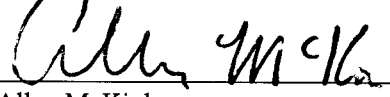
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Allen McKinley
Des Moines Finance Director

Funding Source: 2010-2011 CIP, Page Sanitary-8, CSS-13th Street and Jefferson Overflow Reroute and Intake Removal, SAE125, Sanitary Sewer Funds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GREISS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				
MOTION CARRIED	APPROVED			

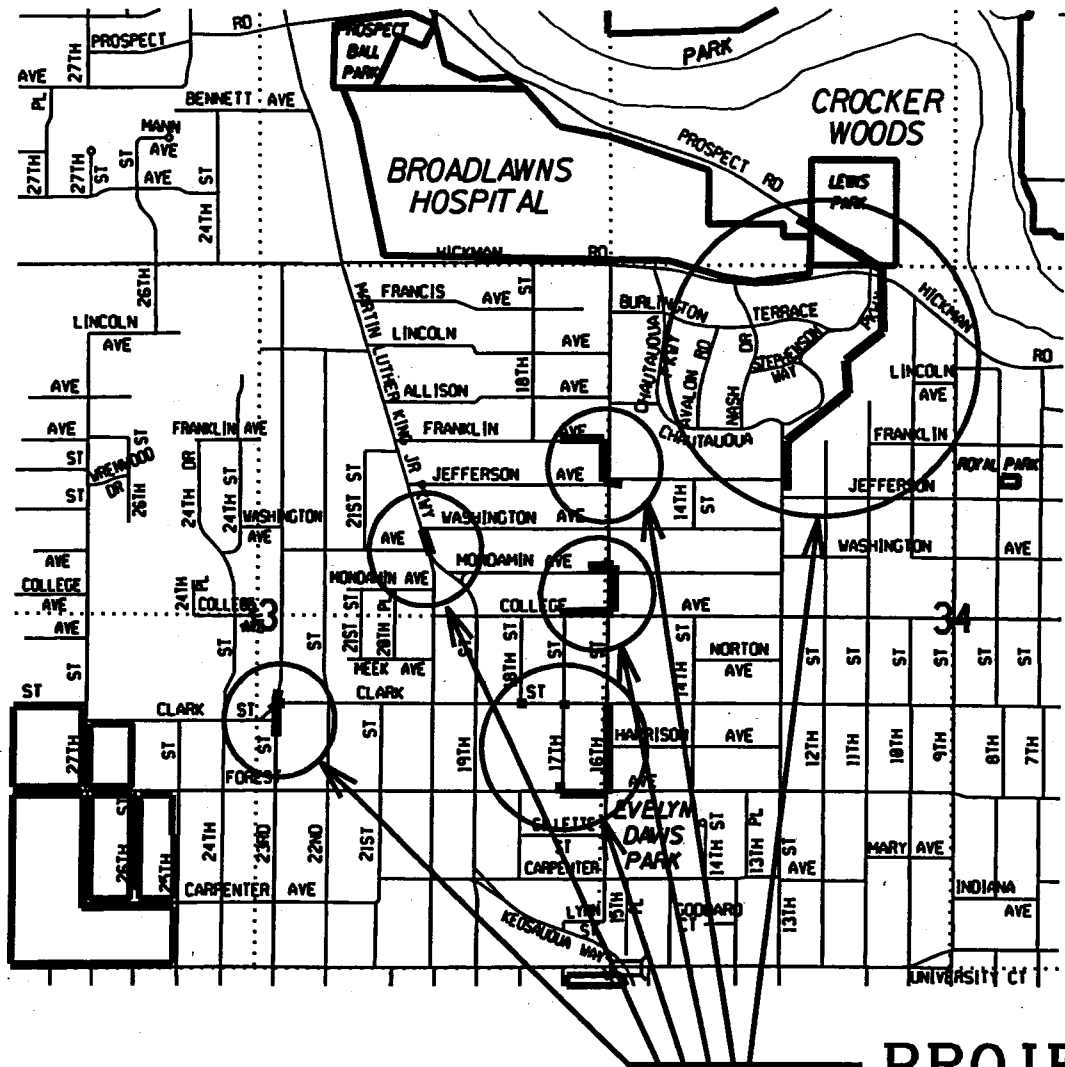
CERTIFICATE

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.

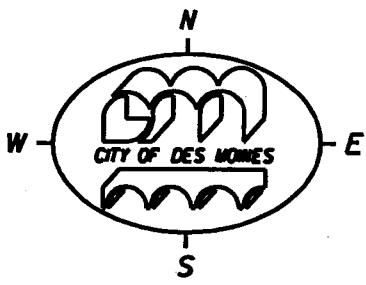
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

Mayor

City Clerk



**PROJECT
LOCATION**



**13TH AND JEFFERSON AVENUE
OVERFLOW ELIMINATION
ACTIVITY I.D. 07-2008-002**

9/10/08

PROJECT SUMMARY

13th & Jefferson Overflow Elimination

Activity ID 07-2008-002

On April 21, 2008, under Roll Call No. 08-740, the City Council awarded the contract for the above improvement to Van Hauen & Associates, Inc. in the amount of \$1,328,724.50 to complete the separation of the existing combined sewer system by constructing storm sewer systems, as well as the extension of an existing sanitary sewer system. This improvement includes 2330 LF of 15" RCP storm sewer; 353 LF of 18" RCP storm sewer; 25 LF of 12" sanitary sewer; 2176 LF of 18" sanitary sewer; 95 LF of steel casing bored and jacked with 18" sanitary sewer; 670 LF of 24" sanitary sewer; along with all of the necessary manholes and intakes; clearing and grubbing; erosion control; NPDES permitting; sewer plugs; sewer filling; pavement, driveway, and sidewalk removal and replacement; modified subbase; special subgrade compaction; mobilization; traffic control; construction surveying; project sign; and site restoration; all in accordance with the contract documents including Plan File Nos. 488-127/177. This project has numerous construction sites generally bounded by Franklin Avenue on the north, 16th Street on the east, Forest Avenue on the south, and Martin Luther King Jr. Parkway on the west; also at the intersection of 23rd Street and Clark Street; and from west of Prospect Road and north of Hickman Road southwesterly through Douglas Park to the 1800 block of 13th Street, Des Moines, Iowa

Tabulated below is a history of project change orders.

Change Order No.	Description	Initiated By	Amount
1	6/11/2008 Utility conflicts necessitate changes to the storm sewer system, subdrain outlets are being added, and replace manhole ring, cover, and seal.	Engineering	\$6,410.86
2	6/11/2008 Subdrain outlets are being added; replace manhole ring, cover, and seal; and add the removal and disposal of discovered railroad ties.	Engineering	\$6,506.49
3	10/8/2008 Add one Type M-B Manhole, add by grinding a 20 foot curb drop, add by milling a HMA transition section and add the removal and disposal of discovered railroad ties.	Engineering	\$7,119.20
4	12/8/2008 Add overdepth excavation for lowering the proposed 24" Sanitary Sewer.	Engineering	\$9,750.00

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
5	1/5/2009 Add removal of approximately 264 CY of Rock Excavation.	Contractor	\$13,000.00
6	1/29/2009 Add the cost of 6.75 hours of Extra Construction Survey time.	Contractor	\$877.50
7	6/3/2009 This change order includes tree trimming, rock drive construction, additional footage of 4" sanitary sewer services, abandoning a septic tank, and adding a storm sewer cross run.	Engineering	\$22,508.00
8	6/26/2009 This change order includes replumbing the basement sanitary sewer services to four houses on 13th Street, and a complete sanitary sewer service to one house on 12th Street.	Engineering	\$22,110.00
9	7/28/2009 This change order adds the abandonment of a sanitary sewer, four sewer plugs, larger trail side ditch, larger subdrain pipe, and perforated subdrain cleanout pipe.	Engineering	\$20,250.20
10	1/28/2010 This change order adds Slope Stabilization , PCC Steps, and Treated Post to this project.	Engineering	\$9,655.60
11	7/21/2010 This change order adjust all plan quantities to match as- built quantities.	Engineering	\$12,296.58

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<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
	Original Contract Amount		\$1,328,724.50
	Total Change Orders		\$130,484.43
	Percent of Change Orders to Original Contract		9.82%
	Final Contract Amount		\$1,459,208.93 ✓

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September 27, 2010



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 13th Street & Jefferson Avenue Overflow Elimination, Van Hauen & Associates, 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: \$1,459,208.93 As-Built Contract Cost

Funding Source: 2010-2011 CIP, Page Sanitary-8, CSS-13th Street and Jefferson Overflow Reroute and Intake Removal, SAE125, Sanitary Sewer Funds

CERTIFICATION OF COMPLETION:

On April 21, 2008, under Roll Call No. 08-740, the City Council awarded a contract to Van Hauen & Associates, Inc., Brian Tancos, President, 1205 SW 37th Street, Grimes, IA 50111 for the construction of the following improvement:

13th Street & Jefferson Avenue Overflow Elimination, 07-2008-002

This improvement includes all work necessary to separate the existing combined sewer system by constructing storm sewer systems, as well as the extension of an existing sanitary sewer system. This improvement includes 2330 LF of 15" RCP storm sewer; 353 LF of 18" RCP storm sewer; 25 LF of 12" sanitary sewer; 2176 LF of 18" sanitary sewer; 95 LF of steel casing bored and jacked with 18" sanitary sewer; 670 LF of 24" sanitary sewer; along with all of the necessary manholes and intakes; clearing and grubbing; erosion control; NPDES permitting; sewer plugs; sewer filling; pavement, driveway, and sidewalk removal and replacement; modified subbase; special subgrade compaction; mobilization; traffic control; construction surveying; project sign; and site restoration; all in accordance with the contract documents including Plan File Nos. 488 - 127 / 177. This project has numerous construction sites generally bounded by Franklin Avenue on the north, 16th Street on the east, Forest Avenue on the south, and Martin Luther King Jr. Parkway on the west; also at the intersection of 23rd Street and Clark Street; and from west of Prospect Road and north of Hickman Road southwesterly through Douglas Park to the 1800 block of 13th Street, Des Moines, Iowa

I hereby certify that the construction of said 13th Street & Jefferson Avenue Overflow Elimination, Activity ID 07-2008-002, 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 May 6, 2008, and was completed on September 20, 2010.

I further certify that \$1,459,208.93 is the total cost of said improvement, of which \$1,386,248.48 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 \$72,960.45 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 stylized flourish at the end.

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



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 07/31/10 to 09/09/10
PARTIAL PAYMENT NO. 17 FINAL

PROJECT: 13TH STREET & JEFFERSON AVENUE OVERFLOW ELIMINATION
CONTRACTOR: VAN HAUEN & ASSOCIATES, INC.

Activity ID: 07-2008-002
Date: 09/09/10

LINE NO.	DESCRIPTION	UNIT	UNITS				TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	UNIT PRICE	
1	Mobilization	LS	1.000	1.000	1.000	\$50,000.00	\$50,000.00
2	Temporary Traffic Control	LS	1.000	1.000	1.000	\$25,000.00	\$25,000.00
3	Project Sign (CO #11)	LS	1.000	0.000	0.000	\$900.00	\$0.00
4	Construction Survey	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
5	Pavement Removal (CO #11)	SY	3,899.000	4,846.550	4,846.550	\$12.00	\$58,158.60
6	Driveway Removal (CO #11)	SY	407.000	444.530	444.530	\$10.00	\$4,445.30
7	Structure Removal (CO #1)(CO #11)	EA	25.000	29.000	29.000	\$500.00	\$14,500.00
8	Clearing & Grubbing	AC	4.000	4.000	4.000	\$10,000.00	\$40,000.00
9	Strip, Salvage and Spread Topsoil	CY	3,040.000	3040.000	3,040.000	\$8.00	\$24,320.00
10	Class 13 Excavation	CY	1,396.000	1396.000	1,396.000	\$10.00	\$13,960.00
11	Granular Backfill (CO #11)	TN	571.000	33.160	33.160	\$15.00	\$497.40
12	Modified Subbase, 6" (CO #11)	SY	3,387.000	5,275.290	5,275.290	\$6.00	\$31,651.74
13	Special Subgrade Compaction (CO #11)	SY	3,387.000	5,180.040	5,180.040	\$3.50	\$18,130.14
14	Steel Casing Bored & Jacked with 18" Sanitary Sewer	LF	95.000	95.000	95.000	\$450.00	\$42,750.00
15	Unsuitable Backfill (CO #11)	CY	2,200.000	320.000	320.000	\$25.00	\$8,000.00
16	Pipe Plugs (CO #9)	EA	21.000	25.000	25.000	\$300.00	\$7,500.00
17	15" RCP (CO #1)(CO #11)	LF	2,330.000	2,327.070	2,327.070	\$85.00	\$197,800.95
18	18" RCP (CO #7)(CO #11)	LF	353.000	437.300	437.300	\$95.00	\$41,543.50
19	Sanitary Sewer, 12" Dia. (CO #11)	LF	25.000	28.000	28.000	\$70.00	\$1,960.00
20	Sanitary Sewer, 18" Dia. (CO #11)	LF	2,176.000	2,165.000	2,165.000	\$75.00	\$162,375.00
21	Sanitary Sewer, 24" Dia. (CO #11)	LF	670.000	666.000	666.000	\$85.00	\$56,610.00
22	Sanitary Sewer Service Relocation (CO #11)	EA	5.000	10.000	10.000	\$500.00	\$5,000.00
23	4" Perforated Longitudinal Subdrain (CO #11)	LF	1,805.000	1,843.000	1,843.000	\$20.00	\$36,860.00
24	Subdrain Cleanout	EA	8.000	8.000	8.000	\$400.00	\$3,200.00
25	Subdrain Outlet (RF-19E)	EA	4.000	4.000	4.000	\$600.00	\$2,400.00
26	Sewer, Fill Abandoned Storm with Flowable Mortar (CO #11)	CY	4.000	7.000	7.000	\$400.00	\$2,800.00
27	Residential Water Service Relocation (CO #11)	EA	6.000	2.000	2.000	\$1,200.00	\$2,400.00
28	New Residential Water Service (CO #11)	EA	15.000	0.000	0.000	\$700.00	\$0.00
29	New Water Service Tap (CO #11)	EA	10.000	0.000	0.000	\$400.00	\$0.00

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
30	Type M-A Manhole (Storm Sewer), 108" Dia.	EA	1.000	1.000	1.000	\$6,500.00
31	Type M-A Manhole (Storm Sewer), 48" Dia. (CO #1)(CO #11)	EA	8.000	5.000	5.000	\$2,200.00
32	Type M-A Intake (CO #1)(CO #11)	EA	10.000	13.000	13.000	\$2,100.00
33	Type M-C Intake (CO #1)(CO #11)	EA	1.000	5.000	5.000	\$2,600.00
34	Type M-F Intake (CO #1)(CO #11)	EA	8.000	3.000	3.000	\$3,000.00
35	Sanitary Sewer Manhole Modification	EA	1.000	1.000	1.000	\$1,000.00
36	Type "A" Sanitary Sewer Manhole, 48" Dia.	EA	12.000	12.000	12.000	\$2,500.00
37	Drop Connections (6020.6A) (CO #11)	VF	32.000	29.830	29.830	\$900.00
38	Fixture Adjustment, Minor (CO #11)	EA	2.000	4.000	4.000	\$500.00
39	PCC Pavement, 8" (CO #11)	SY	605.000	633.420	633.420	\$39.00
40	PCC Pavement, 10" (CO #11)	SY	580.000	604.190	604.190	\$47.00
41	PCC Base Pavement Widening (CO #11)	SY	1,799.000	2,065.130	2,065.130	\$42.00
42	6" PCC Driveway (CO #11)	SY	407.000	431.540	431.540	\$35.00
43	Remove & Replace Sidewalk (CO #11)	SY	429.000	528.570	528.570	\$40.00
44	Detectable Warning Ramps (CO #11)	SF	336.000	300.000	300.000	\$25.00
45	Full Depth ACC/PCC Patch, By Area (CO #11)	SY	905.000	1,431.040	1,431.040	\$100.00
46	Full Depth ACC/PCC Patch, By Count (CO #11)	EA	33.000	20.000	20.000	\$80.00
47	Seeding (CO #11)	AC	4.000	0.000	0.000	\$1,300.00
48	Mulch (CO #11)	AC	4.000	1.840	1.840	\$350.00
49	Erosion Control Seeding (CO #11)	AC	4.000	2.400	2.400	\$550.00
50	Sodding (CO #11)	SQ	293.000	352.000	352.000	\$40.00
51	Silt Fence (CO #11)	LF	6,000.000	2,549.000	2,549.000	\$2.00
52	Wood Excelsior Mat (CO #11)	SQ	288.000	243.940	243.940	\$14.00
53	Erosion Control	LS	1.000	1.000	1.000	\$2,000.00
54	Type M-B Manhole (Storm Sewer), 40" x 40" (CO #1)(CO #3)	EA		3.000	3.000	\$2,640.00
55	16" DIP (CO #1)	LF		31.000	31.000	\$134.06
56	Subdrain Outlet, Special (CO #1)(CO #2)(CO #11)	EA		4.000	4.000	\$220.00
57	Type "B" Ring and Cover (Sanitary Sewer) (CO #1)(CO #2)	EA		4.000	4.000	\$577.50
58	Chimney Seal (Sanitary Sewer) (CO #1) (CO #2)	EA		4.000	4.000	\$412.50
59	Railroad Tie, Remove & Disposal (CO #2)	LS		1.000	1.000	\$456.49
60	Curb Drop, Grind (CO #3)	LS		1.000	1.000	\$495.00
61	Milling and HMA, Transition Section (CO #3)(CO #11)	SY		44.780	44.780	\$44.00
62	Railroad Tie, Removal & Disposal (18th & Clark) (CO #3)	LS		1.000	1.000	\$244.20
63	Overdepth Excavation, 24" San. Pipe (CO #4)	LS		1.000	1.000	\$9,750.00
64	Rock Excavation (CO #5)	LS		1.000	1.000	\$13,000.00
65	Construction Survey, Extra (CO #6)	HRS		6.750	6.750	\$130.00
66	Trim Oak Tree @ 1813 13th (CO #7)	LS		1.000	1.000	\$814.00
67	Regrade & Rock Drive, 1813 13th (CO #7)	LS		1.000	1.000	\$1,200.00

LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT	
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		UNIT PRICE
68	4" Sewer Service, Schedule 40 (CO #7)(CO #11)	LF		427.000	427.000	\$27.50	\$11,742.50
69	Septic Tank, Abandon (CO #7)	EA		1.000	1.000	\$660.00	\$660.00
70	Flared End Section, 18" w/Footing (CO #7)	EA		2.000	2.000	\$875.00	\$1,750.00
71	Tie Bars for RCP Joints (CO #7)	EA		6.000	6.000	\$89.00	\$534.00
72	Replumb San. Service, Basement (CO #8)	EA		4.000	4.000	\$2,750.00	\$11,000.00
73	New Sanitary Service, (1822 12th) (CO #8)	EA		1.000	1.000	\$11,110.00	\$11,110.00
74	Trail Side Ditch, Increase Size (CO #9)	LS		1.000	1.000	\$4,170.00	\$4,170.00
75	Subdrain Pipe, Increase 4" to 6" (CO #9)	LF		1843.000	1,843.000	\$1.40	\$2,580.20
76	Subdrain Cleanout, Perforated (CO #9)	EA		3.000	3.000	\$300.00	\$900.00
77	Abandon Sewer, Fill with Flowable (CO #9)	CY		38.000	38.000	\$300.00	\$11,400.00
78	Slope Stabilization, Shale Placement (CO #10)	LS		1.000	1.000	\$5,000.00	\$5,000.00
79	PCC Steps, Handrail, Chain Link Fence & Gate (CO #10)	LS		1.000	1.000	\$2,805.60	\$2,805.60
80	6" X 6" Treated Post (CO #10)(CO #11)	EA		8.000	8.000	\$185.00	\$1,480.00
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$1,459,208.93				
	PARTIAL PAYMENT #1		\$85,040.67				
	PARTIAL PAYMENT #2		\$145,981.61				
	PARTIAL PAYMENT #3		\$113,468.00				
	PARTIAL PAYMENT #4		\$120,286.63				
	PARTIAL PAYMENT #5		\$77,382.25				
	PARTIAL PAYMENT #6		\$134,446.56				
	PARTIAL PAYMENT #7		\$377,424.08				
	PARTIAL PAYMENT #8		\$69,673.00				
	PARTIAL PAYMENT #9		\$14,706.00				
	PARTIAL PAYMENT #10		\$63,224.87				
	PARTIAL PAYMENT #11		\$46,995.08				
	PARTIAL PAYMENT #12		\$44,797.25				
	PARTIAL PAYMENT #13		\$49,886.40				
	PARTIAL PAYMENT #14		\$16,680.10				
	PARTIAL PAYMENT #15		\$10,548.77				
	PARTIAL PAYMENT #16		\$15,707.21				
	PARTIAL PAYMENT #17 FINAL		\$0.00				
	TOTAL PARTIAL PAYMENTS		\$1,386,248.48				
	TOTAL						\$1,459,208.93
	RETAINAGE (5.0%)						\$72,960.45
	TOTAL LESS RETAINAGE						\$1,386,248.48
	LESS PREVIOUS PAYMENT						\$1,386,248.48

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
							\$0.00
						AMOUNT DUE	

PARTIAL PAYMENT NO. 17 FINAL

PREPARED BY: *Eugene Johnson*

CHECKED BY: *Matthew Beck*