

DATE September 23, 2013

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR COURT AVENUE & WATER STREET STORM WATER PUMP STATION, LARSON & LARSON
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 Court Avenue & Water Street Storm Water Pump Station, 08-2010-007, in accordance with the contract approved between Larson & Larson Construction LLC, Jeffrey C. Larson, President, 10703 Justin Drive, Urbandale, IA 50322, under Roll Call No. 10-1777, of October 25, 2010, 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 \$6,676,042.17 is the total cost, of which \$6,655,664.17 has been paid the Contractor, and \$19,766.66 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$611.34 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:

Kathleen Vanderpool by AD

Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE

Scott E. Sanders

Scott E. Sanders
Des Moines Finance Director

Funding Source: 2013-2014 CIP, Page Storm - 6, Court Avenue/Water Street Sewer Separation, SM081, Being: \$2,389,191.47 in HUD Disaster funds (Federal Jumpstart Infrastructure Assistance funds) from the Iowa Department of Economic Development (\$2,076,033.45 being portion of Phase 1 pump station construction costs as the remainder of the \$2,390,000 grant and \$313,158.02 being portion of Phase 2 storm sewer construction costs for Bid Items 5, 6, and 7 as the remainder of the \$1,610,000 grant), \$1,780,384.89 in I-JOBS II Targeted Disaster Relief Grant funds, and the remaining \$2,506,465.81 in City Stormwater Utility Revenue Bonds issued from SM081

JB

08-DRI-032, I-JOBS #501

★ **Roll Call Number**

Agenda Item Number

6C

DATE September 23, 2013

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

Mayor

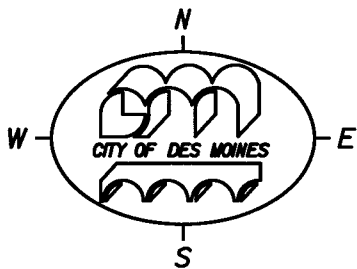
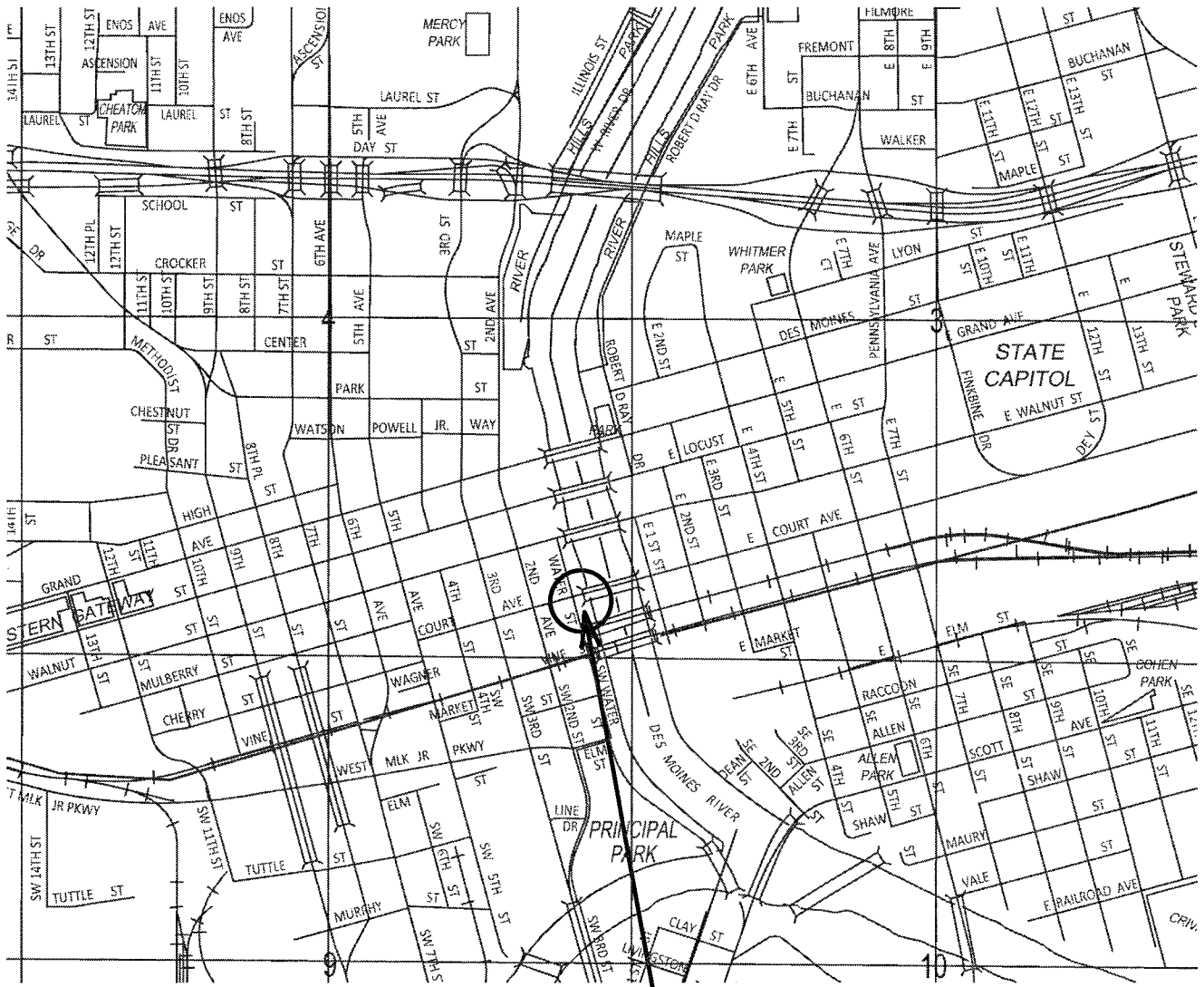
CERTIFICATE

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.

City Clerk

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**PROJECT
LOCATION**

**COURT AVENUE & WATER STREET
STORM WATER PUMP STATION
ACTIVITY I.D. 08-2010-007**

PROJECT SUMMARY

Court Avenue & Water Street Storm Water Pump Station

Activity ID 08-2010-007

On October 25, 2010, under Roll Call No. 10-1777, the Council awarded the contract for the above improvements to Larson & Larson Construction LLC, in the amount of \$5,761,003.26. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	City	7/11/2011 Exchange of specified PLC and Monitoring equipment with new generation Compac Logix CPU and Telog - cell phone based monitoring system.	\$13,753.74
2	Contractor	8/19/2011 The Contractor encountered boulders and unexpected obstructions while installing the temporary sheet pile for the pump station structure and the bore pit.	\$18,877.00
3	Contractor	10/18/2011 Additional work and costs were incurred by the Contractor due to the unexpected underground obstructions.	\$12,867.00
4	Contractor	11/8/2011 Additional work were incurred by the Contractor due to the unexpected underground obstructions.	\$6,909.00
5	City	12/5/2011 Additional required repair work due to an emergency sewer collapse at Court Avenue and Water Street.	\$311,703.21
6	City	12/5/2011 Additional work to raise the flood protection elevation of the pump station and associated floodwalls.	\$542,723.00
7	Consultant	9/19/2012 Modifications to accomodate field conditions of Principal Riverwalk project.	\$(860.17)
8	Contractor	1/4/2013 Modifications to station wiring and aesthetics.	\$9,623.33
9	Engineering	8/20/2013	\$(557.20)

The Contractor was required to remove and reinstall a portion of the sidewalk pavers to meet ADA requirements. Adjustment of archeological support quantities to match as-built quantities.

Original Contract Amount	\$5,761,003.26
Total Change Orders	\$915,038.91
Percent of Change Orders to Original Contract	15.88%
Total Contract Amount	\$6,676,042.17

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September 23, 2013



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Court Avenue & Water Street Storm Water Pump Station, Larson & Larson 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: \$6,676,042.17 As-Built Contract Cost

Funding Source: 2013-2014 CIP, Page Storm - 6, Court Avenue/Water Street Sewer Separation, SM081, Being: \$2,389,191.47 in HUD Disaster funds (Federal Jumpstart Infrastructure Assistance funds) from the Iowa Department of Economic Development (\$2,076,033.45 being portion of Phase 1 pump station construction costs as the remainder of the \$2,390,000 grant and \$313,158.02 being portion of Phase 2 storm sewer construction costs for Bid Items 5, 6, and 7 as the remainder of the \$1,610,000 grant), \$1,780,384.89 in I-JOBS II Targeted Disaster Relief Grant funds, and the remaining \$2,506,465.81 in City Stormwater Utility Revenue Bonds issued from SM081

CERTIFICATION OF COMPLETION:

On October 25, 2010, under Roll Call No. 10-1777, the City Council awarded a contract to Larson & Larson Construction LLC, Jeffrey C. Larson, President, 10703 Justin Drive, Urbandale, IA 50322 for the construction of the following improvement:

Court Avenue & Water Street Storm Water Pump Station, 08-2010-007

The improvement includes construction of a three pump storm water pump station including the installation of pumps and standby power generator preselected by the City of Des Moines, 72" diameter storm sewer construction and bore and jack 72" diameter storm sewer, sidewalk pavers, a Hot Mix Asphalt trail, and architectural features such as zinc coated structural features, glass screenings, lighting, concrete planting beds, landscaping, and miscellaneous associated work including cleanup and other incidental items; in accordance with the contract documents, including Plans File Nos. 522-065/158, located south of Court Avenue and east of Water Street along the west Des Moines River Levee in downtown Des Moines, Iowa

I hereby certify that the construction of said Court Avenue & Water Street Storm Water Pump Station, Activity ID 08-2010-007, 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 December 7, 2010, and was completed on September 13, 2013.

I further certify that \$6,676,042.17 is the total cost of said improvement, of which \$6,655,664.17 has been paid the Contractor and \$19,766.66 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$611.34 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 that reads "Jeb E. Brewer" followed by a stylized flourish and the initials "P.E." to the right.

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



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 5/25/13 to 8/14/13
FINAL PAYMENT (PAYMENT NO. 23)

Proj No: 08-2010-007
Activity ID: 08-2010-007
Date: 8/27/13

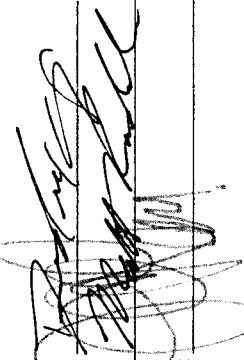
PROJECT: COURT AVENUE & WATER STREET STORM WATER PUMP STATION
CONTRACTOR: LARSON & LARSON CONSTRUCTION LLC

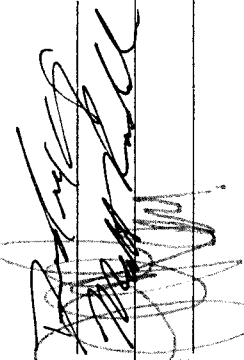
LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
1	Large Project Sign	EACH	2.0	2.000	2.0	\$2,885.78
2	Standby Generator System	LS	1.0	1.000	1.0	\$228,982.54
3	Submersible Storm Water Pumps and Submersible Drain Pump	LS	1.0	1.000	1.0	\$370,025.00
4	Court Avenue and Water Street Storm Water Pump Station	LS	1.0	1.000	1.0	\$4,682,534.04
5	Archeological Base Work	LS	1.0	0.000	0.0	\$19,056.04
6	Archeological Support	HOURL	130.0	0.000	0.0	\$161.04
7	66" Storm Sewer Jacked in Place	LF	177.0	177.000	177.0	\$2,466.58
1.01	Telog Communication System	LS	0.0	1.000	1.0	\$13,753.74
2.01	Sheet Piling Obstruction	LS	0.0	1.000	1.0	\$15,250.00
2.02	Removal of Bore Pit Obstructions	LS	0.0	1.000	1.0	\$3,627.00
3.01	Additional Slide Rail Rent	LS	0.0	1.000	1.0	\$9,240.00
3.02	Additional Excavation Costs, High Sheeting Elevation	LS	0.0	1.000	1.0	\$3,627.00
4.01	Additional Excavation Costs for Elevated Sheeting	LS	0.0	1.000	1.0	\$6,909.00
5.01	Emergency Sewer Collapse Repair	LS	0.0	1.000	1.0	\$311,703.21
6.01	Increase in Flood Protection Elevation	LS	0.0	1.000	1.0	\$542,723.00
7.01	Irrigation Line and Conduit Extension	LS	0.0	1.000	1.0	\$8,596.50
7.02	Handrail Modification, FRP Grating, and Generator Platform Installation	LS	0.0	1.000	1.0	\$9,819.26
7.03	Roof Termination Bar	LS	0.0	1.000	1.0	\$742.50
7.04	Electrical Room Handrail	LS	0.0	1.000	1.0	\$697.84
7.05	Added Steel Tube for Fiber Cement Panels	LS	0.0	1.000	1.0	\$2,017.40
7.06	Delete Portion of Stone at Gatewell	LS	0.0	1.000	1.0	(\$8,786.00)
7.07	Price Adjustment for Bore Pit Compaction Deficiencies	LS	0.0	1.000	1.0	(\$2,500.00)
7.08	Paver Change to Vehicular Traffic Along Court Ave	LS	0.0	1.000	1.0	\$4,020.50
7.09	Extend 72-Inch RCP Through Discharge Chamber	LS	0.0	1.000	1.0	\$3,587.87
8.01	Anti Swirl-Plates for Discharge Pumps	LS	0.0	1.000	1.0	\$3,847.25
8.02	Terminate Multiconductor Wiring for SWP 1, 2, 3	LS	0.0	1.000	1.0	\$4,167.90
8.03	Cold Weather Protection Credit	LS	0.0	1.000	1.0	(\$2,516.05)
8.04	Paver Modification at Stage Area	LS	0.0	1.000	1.0	\$3,667.00
8.05	Seeding Area Reduction Credit	LS	0.0	1.000	1.0	(\$1,254.00)
8.06	Asphalt Paver Area Reduction Installation Credit	LS	0.0	1.000	1.0	(\$2,465.00)

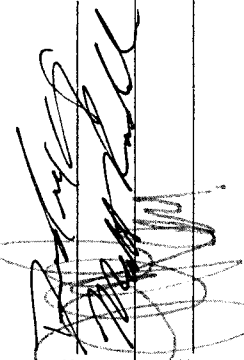
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LINE NO.	DESCRIPTION	UNIT	UNITS			TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	
8.07	Sidewalk Replacement Credit	LS	0.0	1.000	1.0	(\$3,770.10)
8.08	Water Level Sensor Repair Diagnostic	LS	0.0	1.000	1.0	\$330.00
8.09	Light Restricting Angle at Top of Gatewell Glass	LS	0.0	1.000	1.0	\$1,188.00
8.10	Flashing Over Steel Tube Underneath Swiss Pearl	LS	0.0	1.000	1.0	\$1,922.80
8.11	Window Covers on NE Pump Station Windows	LS	0.0	1.000	1.0	\$1,118.63
8.12	Flashing at Roof Adjacent to Channel	LS	0.0	1.000	1.0	\$624.80
8.13	Strut Brackets for Power Cables on SWP 1, 2, 3	LS	0.0	1.000	1.0	\$1,857.90
8.14	Backdraft Damper on Generator Plenum	LS	0.0	1.000	1.0	\$643.50
8.15	Surface Mount Base Plate for Sump Pump Hoist	LS	0.0	1.000	1.0	\$260.70
9.01	Paver Adjustment	LS	0.0	1.000	1.0	\$20,378.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$6,676,042.17			
PARTIAL PAYMENT NO. 1			\$153,025.21			
PARTIAL PAYMENT NO. 2			\$57,829.29			
PARTIAL PAYMENT NO. 3			\$288,685.12			
PARTIAL PAYMENT NO. 4			\$100,089.17			
PARTIAL PAYMENT NO. 5			\$215,781.19			
PARTIAL PAYMENT NO. 6			\$719,797.38			
PARTIAL PAYMENT NO. 7			\$238,790.51			
PARTIAL PAYMENT NO. 8			\$340,299.54			
PARTIAL PAYMENT NO. 9			\$294,789.76			
PARTIAL PAYMENT NO. 10			\$351,523.75			
PARTIAL PAYMENT NO. 11			\$409,466.42			
PARTIAL PAYMENT NO. 12			\$705,707.82			
PARTIAL PAYMENT NO. 13			\$564,027.86			
PARTIAL PAYMENT NO. 14			\$569,273.81			
PARTIAL PAYMENT NO. 15			\$296,983.69			
PARTIAL PAYMENT NO. 16			\$96,775.38			
PARTIAL PAYMENT NO. 17			\$47,909.34			
PARTIAL PAYMENT NO. 18			\$488,346.17			
PARTIAL PAYMENT NO. 19			\$289,565.56			
PARTIAL PAYMENT NO. 20			\$94,213.99			
PARTIAL PAYMENT NO. 21			\$302,783.21			
PARTIAL PAYMENT NO. 22			\$30,000.00			
THIS PARTIAL PAYMENT			\$19,766.66			
TOTAL PARTIAL PAYMENTS			\$6,675,430.83			
BALANCE			\$611.34			
TOTAL						\$6,676,042.17
RETAINAGE						\$611.34
TOTAL LESS RETAINAGE						\$6,675,430.83
LESS PREVIOUS PAYMENT						\$6,655,664.17
AMOUNT DUE						\$19,766.66

PREPARED BY: 

CHECKED BY: 

CONTRACTOR: 

FINAL PAYMENT (PAYMENT NO. 23)