
MEMORANDUM

TO: RANDY HILL, PUBLIC WORKS DIRECTOR

FROM: JON LUTZ, CITY ENGINEER

SUBJECT: ACCEPTING COMPLETED WORK FOR MAD CREEK SEWER EXTENSION PROJECT

DATE: JULY 24, 2013

INTRODUCTION:

The City of Muscatine received bids on the Mad Creek Sewer Extension Project on October 9th, 2012. Cornerstone Excavating submitted the low bid of \$994,414.75 and was awarded the contract on October 18, 2012. Construction is now completed and ready for acceptance.

BACKGROUND:

Construction began in November 2012 and proceeded through the winter months. Steve Dalbey performed inspection and administration for this project. Two change orders were necessary. Change order 1 involved separating the type 1 and 2 creek crossing bid items into individual bid items such as structural concrete, rebar and revetment stone. Steve Dalbey and I then directed placement of materials in the field as needed. This change reduced the contract amount by \$29,775.00. Change order 2 involved unanticipated culvert, piping, drainage and manhole modifications along the project. These items resulted in an increase of \$16,182.00. Other quantity adjustments resulted in a decrease of \$28,282.78. Reductions resulted from discretion and field engineering adjustments during construction. The final construction cost of \$952,538.97 is \$41,875.78 lower than the original contract amount.

RECOMMENDATION/RATIONALE:

It is the City Engineer's recommendation to accept the completed improvements and issue final payment of \$2,612.50 with payment of 5% retainage in the amount of \$47,626.95 after 30 days.

ADDITIONAL INFORMATION:

1. Final pay application #15

RESOLUTION NO. _____

**RESOLUTION ACCEPTING COMPLETED WORK PERFORMED UNDER
MAD CREEK SEWER EXTENSION PROJECT
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Mad Creek Sewer Extension Project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Cornerstone Excavating for \$994,414.75 with two change orders and other adjustments, for a total contract amount of \$952,538.97; and

WHEREAS, all work under the contract has been completed by Cornerstone Excavating and approved and accepted by the City Engineer and appears to meet the requirements of the Plans and Specifications heretofore adopted by this Council, as evidenced by the Project Engineer's Certificate; and

WHEREAS, the amount of \$902,299.52 has been previously paid to Cornerstone Excavating and a balance of \$50,239.45 including 5% retainage remains due and payable;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MUSCATINE, that the City of Muscatine make immediate payment of \$2,612.50 to Cornerstone Excavating for completed and accepted work under the Mad Creek Sewer Extension Project and thereafter make an additional payment of \$47,626.95 which represents 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 1st DAY OF AUGUST, 2013.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: _____
DeWayne M. Hopkins, Mayor

ATTEST:

Gregg Mandsager, City Administrator

Application for Payment**MAD CREEK SEWER PROJECT**

City of Muscatine

City Project No.:

City Account No.:

Contractor:

1. Original Contract Total
2. Net Change by Change Orders
3. Current Contract Price (Line 1+2)
4. Work Completed to Date
5. Retainage (5% x Work Completed)
6. Total Less Retainage (Line 4-5)
7. Less Previous Payments
8. **AMOUNT DUE THIS APPLICATION**

	\$ 4294.4294.73100
	Cornerstone Excavating, Inc.
1.	\$ 994,414.75
2.	\$ (13,593.00)
3.	\$ 980,821.75
4.	\$ 952,538.97
5.	\$ 47,626.95
6.	\$ 904,912.02
7.	\$ 902,299.52
8.	\$ 2,612.50

Application No.:

15

Application Period:

7/7/2013 to 7/24/2013**CONTRACTOR'S CERTIFICATION:**

Contractor certifies that to the best of Contractor's knowledge, information and belief, the Work covered by this Payment Application has been completed in accordance with the Contract Documents, that all amounts have been paid by Contractor for Work for which payments were issued and payments received from the City of Muscatine, and that the current payment applied herein is now due.

Cornerstone Excavating, Inc.

By: _____

Date: _____

INSPECTOR'S CERTIFICATION

In accordance with the Contract Documents, based on on-site observations and the data comprising this Payment Application, the Inspector certifies to the City of Muscatine that to the best of the Inspector's knowledge, information, and belief, the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and Contractor is entitled to payment of Amount Certified.

AMOUNT CERTIFIED:

\$ 2,612.50

By: _____

Date: _____

CITY APPROVAL

A Payment in the amount of:

\$ 2,612.50

Is approved by:

Date: _____

By: _____

MAD CREEK SEWER PROJECT - MUSCATINE, IOWA											Totals		
ITEM NO.	DESCRIPTION	BID Q'TY.	UNITS	UNIT PRICE	Pay Application #13 Qty. 6/24/2013	Pay Application #14 Qty. 7/8/2013	Pay Application #15 Qty. 7/24/2013	Quantity Completed	Total Paid	Quantity Remaining			
1	MOBILIZATION, TRAFFIC CONTROL, STAGING	1.0	L.S.	\$ 25,000.00				\$ -	\$ -	1.00	\$ 25,000.00		-
2	CLEARING AND GRUBBING	1.0	L.S.	\$ 35,000.00	\$ -			\$ -	\$ -	1.00	\$ 35,000.00		-
3	ROCK EXCAVATION	310.0	CY	\$ 65.00	\$ -			\$ -	\$ -	604.80	\$ 39,312.00	(294.80)	
4	TRENCH FOUNDATION	480.0	TON	\$ 18.55	28.80	\$ 534.24		\$ -	\$ -	1,067.25	\$ 19,797.49	(587.25)	
5	STREAM CROSSING, TYPE 1	270.0	LF	\$ 235.00	\$ -			\$ -	\$ -	-	\$ -	270.00	
6	STREAM CROSSING, TYPE 2	135.0	LF	\$ 310.00	\$ -			\$ -	\$ -	-	\$ -	135.00	
7	SANITARY SEWER GRAVITY MAIN, TRENCHED PVC, 15"	11,355.0	LF	\$ 36.65	4.80	\$ 175.92		\$ -	\$ -	11,339.80	\$ 415,603.67	15.20	
8	SANITARY SEWER GRAVITY MAIN, 15" PVC, TRENCHLESS	310.0	LF	\$ 347.50	\$ -			\$ -	\$ -	310.00	\$ 107,725.00	-	
9	REMOVAL OF SANITARY SEWER, PVC, 8"	85.0	LF	\$ 22.00	\$ -			\$ -	\$ -	85.00	\$ 1,870.00	-	
10	PIPE CULVERT, TRENCHED, CMP, 36"	50.0	LF	\$ 50.50	\$ -			\$ -	\$ -	74.00	\$ 3,737.00	(24.00)	
11	MANHOLE, TYPE SW-301, 60"	36.0	EACH	\$ 4,400.00	\$ -			\$ -	\$ -	37.00	\$ 162,800.00	(1.00)	
12	MANHOLE, TYPE SW-303, 60"	1.0	EACH	\$ 4,040.00	\$ -			\$ -	\$ -	-	\$ -	1.00	
13	CONNECTION TO EXISTING MANHOLE	1.0	EACH	\$ 1,500.00	\$ -			\$ -	\$ -	1.00	\$ 1,500.00	-	
14	CONVENTIONAL SEEDING, SEEDING, FERT., MULCHING	21.0	ACRE	\$ 1,000.00	5.70	\$ 5,700.00		\$ -	\$ -	16.70	\$ 16,700.00	4.30	
15	SWPPP, PREPARATION	1.0	LS	\$ 1,200.00	\$ -			\$ -	\$ -	1.00	\$ 1,200.00	-	
16	SWPPP, MANAGEMENT	1.0	LS	\$ 2,000.00	\$ -			\$ -	\$ -	-	\$ -	1.00	
17	SWPPP, INSPECTION	15.0	EACH	\$ 100.00	\$ -			\$ -	\$ -	15.00	\$ 1,500.00	-	
18	WATTLE, 9" DIAMETER, INSTALLATION AND REMOVAL	3,500.0	LF	\$ 2.00	\$ -			\$ -	\$ -	2,286.00	\$ 4,572.00	1,214.00	
19	STABILIZED CONSTRUCTION ENTRANCE	300.0	TON	\$ 19.55	\$ -			\$ -	\$ -	14.58	\$ 285.04	285.42	
20	BANK STABILIZATION	780.0	SY	\$ 55.00	\$ -			\$ -	\$ -	-	\$ -	780.00	
21	FIELD FENCE WITH GATE	3.0	EACH	\$ 550.00	2.00	\$ 1,100.00		\$ -	\$ -	20.00	\$ 11,000.00	(17.00)	
22	BALLAST, 4"	300.0	TON	\$ 18.55	103.07	\$ 1,911.95		\$ -	\$ -	200.41	\$ 3,717.61	99.59	
23	ENGINEERING FABRIC	1,000.0	SY	\$ 2.00	73.34	\$ 146.68		\$ -	\$ -	353.90	\$ 707.80	646.10	
24	VIDEO INSPECTION	1.0	LS	\$ 7,500.00	\$ -			\$ -	\$ -	1.00	\$ 7,500.00	-	
25	CONSTRUCTION SURVEY	1.0	LS	\$ 9,660.00	0.16	\$ 1,545.60	0.04	\$ 386.40		0.80	\$ 7,728.00	0.20	
C1	REVESTMENT STONE CLASS E	1,500.0	TON	\$ 45.50	72.36	\$ 3,292.38		\$ -	\$ -	478.04	\$ 21,750.82	1,021.96	
C2	STRUCTURAL CONCRETE	135.0	CY	\$ 345.00	63.75	\$ 21,993.75		\$ -	\$ -	127.75	\$ 44,073.75	7.25	
C3	STRUCTURAL REINFORCING STEEL	3,600.0	LB	\$ 1.00	90.90	\$ 90.90		\$ -	\$ -	3,276.80	\$ 3,276.80	323.20	
C4	24" HDPE CULVERT	60.0	LF	\$ 37.50	60.00	\$ 2,250.00		\$ -	\$ -	60.00	\$ 2,250.00	-	
C5	24" HDPE CULVERT COUPLINGS	2.0	EACH	\$ 40.00	2.00	\$ 80.00		\$ -	\$ -	2.00	\$ 80.00	-	
C6	4" PERFORATED LONGITUDINAL SUBDRAIN	500.0	LF	\$ 7.80	500.00	\$ 3,900.00		\$ -	\$ -	500.00	\$ 3,900.00	-	
C7	4" OUTLET PIPE W/RODENT GUARD	2.0	EACH	\$ 200.00	2.00	\$ 400.00		\$ -	\$ -	2.00	\$ 400.00	-	
C8	8" DIWM OUTSIDE DROP ASSEMBLY, INSTALLED	2.0	EACH	\$ 2,477.00	2.00	\$ 4,954.00		\$ -	\$ -	2.00	\$ 4,954.00	-	
C9	8" PVC DIVERSION PIPING, RECONNECTION	1.0	EACH	\$ 1,225.00	1.00	\$ 1,225.00		\$ -	\$ -	1.00	\$ 1,225.00	-	
C10	REMOVAL OF EXISTING MANHOLE	1.0	EACH	\$ 2,900.00	1.00	\$ 2,900.00		\$ -	\$ -	1.00	\$ 2,900.00	-	
C11	15" HDPE CULVERT	20.0	LF	\$ 23.65	20.00	\$ 473.00		\$ -	\$ -	20.00	\$ 473.00	-	
					Total this Pay Application	\$ 52,673.42	\$ 386.40	\$ 2,750.00	Completed	\$ 952,538.97			
					Retainage this Pay App	\$ 2,633.67	\$ 19.32	\$ 137.50	Retainage	\$ 47,626.95			
					Owed this Pay Application	\$ 50,039.75	\$ 367.08	\$ 2,612.50	Owed/Paid	\$ 904,912.02			
						901,932.44		902,299.52	Cumulative Total Paid				