



Department of Public Works  
**Engineering Division**  
Robert F. Phillips, P.E., City Engineer

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**Assistant City Engineer**

Michael R. Dailey, P.E.

**Principal Engineer 2**

Gregory T. Fries, P.E.  
Christopher J. Petykowski, P.E.

**Principal Engineer 1**

Christina M. Bachmann, P.E.  
Eric L. Durdee, P.E.  
John S. Fahrney, P.E.

**Facilities & Sustainability**

Jeanne E. Hofman, Manager

**Operations Manager**

Kathleen M. Cryan

**Mapping Section Manager**

Eric T. Pederson, P.S.

**Financial Manager**

Steven B. Danner-Rivers

Date: August 23, 2017  
To: Mr. Dave Schmiedicke, Finance Director  
Public Works Contract: East Washington Avenue Sanitary Sewer Rehab - 2016  
Contract Number: 7756  
Contractor: Terra Engineering & Construction Corporation  
Substantial Date: 2/20/2017

This notice is to inform you that the improvements on the abovementioned public works contract were completed and are hereby accepted.

<i>Original Contract Sum</i>	\$1,407,205.00	
<i>(Based on Actual Units)</i>	\$728,960.00	
<i>Net Change by Change Orders</i>	\$44,694.60	or 3.18%
<i>Liquidated Damages</i>	\$0.00	
<i>Final Contract Amount</i>	\$773,654.60	

Please refer to the attached Final Payment Application for Final Account Breakdown. Please consider this contract closed and reverse all unused encumbrances.

If there are any questions with the above information please call me at 266-9091, or Alane Boutelle at 267-1197.

Since

John S. Fahrney, P. E.  
Construction Engineer

JDF

cc: Steve Danner-Rivers, Engineering Div.  
Norman Davis, Civil Rights

**APPLICATION AND CERTIFICATE FOR PAYMENT  
CITY OF MADISON ENGINEERING DIVISION**

Project Manager: KYLE FRANK

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Project: CIPP REHAB OF LARGE DIAMETER SANITARY AND STORM SEWER INTERCEPTORS - 2016

Contract Number: 7756

Payment Number: FINAL #6

<b>DO NOT WRITE IN THIS BOX - TO BE COMPLETED BY CITY ENGINEERING PERSONNEL ONLY</b>	
TOTAL FROM PAGE: <u>3</u>	<u>773,654.60</u>
LESS RETAINAGE:	<u>0.00</u>
SUBTOTAL:	<u>773,654.60</u>
LESS PREVIOUS PAYMENTS:	<u>754,312.86</u>
CURRENT PAYMENT DUE:	<u>19,341.74</u>

**CONTRACTOR'S APPLICATION FOR PAYMENT:**

The undersigned contractor certifies that to the best of his/her knowledge the work covered by this application for payment has been completed in accordance with the contract documents, and that the current payment is now due.

Kara A. Brokish  
**TERRA ENGINEERING & CONSTRUCTION**  
 CONTRACTOR: **CORPORATION**

6/19/17  
 DATE

**INSPECTOR'S CERTIFICATE FOR PAYMENT:**

The undersigned Inspector certifies that to the best of his/her knowledge, the work covered by this application for payment has been completed in accordance with the contract documents, and that the contractor is entitled to payment for the amount certified.

[Signature]  
 INSPECTOR

6/17/17  
 DATE

**PLEASE PROVIDE THE TIME PERIOD FOR THIS PAYMENT REQUEST:**

FROM: \_\_\_\_\_  
 TO: \_\_\_\_\_

**PLEASE PROVIDE THE CONTRACTOR/SUBCONTRACTORS THAT WORKED ON PROJECT DURING THIS PERIOD:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**NOTE:** SIGNED PAYMENT REQUEST SHALL BE SUBMITTED TO THE ENGINEER/INSPECTOR.  
 PARTIAL PAYMENTS CAN BE PROCESSED EVERY TWO WEEKS.

SANITARY SEWER 10290-83-173  
 STORM SEWER 10984-84-174

**CONTRACTOR/INSPECTOR/ENGINEER SHOULD ONLY COMPLETE COLUMN #10, "TOTAL UNITS"**

TERRA ENGINEERING & CONSTRUCTION CORPORATION  
 CIPP REHAB OF LARGE DIAMETER SANITARY AND STORM SEWER INTERCEPTORS - 2016  
 CONTRACT NO. 7756  
 FINAL PAYMENT NO. 6

ITEM	TYPE OF WORK	1	2	3	4	5	6	7	8	9	***** #10	11	12
		ESTIMATED QUANTITIES	UNITS	UNIT PRICE BID	CONTRACT DOLLARS	C. O. DOLLARS	UNITS THIS APPL.	EXTENSION	UNITS PREV. APPL.(S)	EXTENSION	TOTAL UNITS	EXTENSION	PERCENT COMPLETE
<b>SANITARY SEWER 10290-83-173</b>													
10704	TRAFFIC CONTROL FOR SANITARY SEWER INSTALLATION	1.00	LUMP SUM	\$35,000.00	\$35,000.00		0.00	\$0.00	0.73	\$25,550.00	0.73	\$25,550.00	73.0%
10914	MOBILIZATION FOR SANITARY SEWER INSTALLATION	1.00	LUMP SUM	\$45,000.00	\$45,000.00		0.00	\$0.00	0.70	\$31,500.00	0.70	\$31,500.00	70.0%
50908	FURNISH AND INSTALL CIPP TO REHABILITATE 24-INCH DIAMETER SANITARY SEWER MAINS	2,305.00	L.F.	\$105.00	\$242,025.00		0.00	\$0.00	1,944.00	\$204,120.00	1,944.00	\$204,120.00	84.3%
50909	FURNISH AND INSTALL CIPP TO REHABILITATE 30-INCH DIAMETER SANITARY SEWER MAINS	4,660.00	L.F.	\$140.00	\$652,400.00		0.00	\$0.00	1,663.00	\$232,820.00	1,663.00	\$232,820.00	35.7%
50909	REINSTATE AND RECONNECT SERVICE OPENINGS	3.00	EACH	\$1,235.00	\$3,705.00		0.00	\$0.00	2.00	\$2,470.00	2.00	\$2,470.00	66.7%
90030	CIPP PIPELINE PRE-TREATMENT	31.00	EACH	\$300.00	\$9,300.00		0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
90031	WASTEWATER CONTROL - HEAVY FLOW	1.00	LUMP SUM	\$330,000.00	\$330,000.00		0.00	\$0.00	0.70	\$231,000.00	0.70	\$231,000.00	70.0%
	<b>SUBTOTALS</b>				\$1,317,430.00			\$0.00		\$727,460.00		\$727,460.00	55.2%
<b>STORM SEWER 10984-84-174</b>													
10702	TRAFFIC CONTROL FOR STORM SEWER INSTALLATION	1.00	LUMP SUM	\$2,500.00	\$2,500.00		0.00	\$0.00	0.25	\$625.00	0.25	\$625.00	25.0%
10912	MOBILIZATION FOR STORM SEWER INSTALLATION	1.00	LUMP SUM	\$3,500.00	\$3,500.00		0.00	\$0.00	0.25	\$875.00	0.25	\$875.00	25.0%
50908	FURNISH AND INSTALL CIPP TO REHABILITATE 24-INCH DIAMETER STORM SEWER MAINS	300.00	L.F.	\$120.00	\$36,000.00		0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
50909	FURNISH AND INSTALL CIPP TO REHABILITATE 30-INCH DIAMETER STORM SEWER MAINS	273.00	L.F.	\$175.00	\$47,775.00		0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	<b>SUBTOTALS</b>				\$89,775.00			\$0.00		\$1,500.00		\$1,500.00	1.7%
<b>CONTRACT TOTALS</b>					\$1,407,205.00			\$0.00		\$728,960.00		\$728,960.00	51.8%

**CONTRACTOR/INSPECTOR/ENGINEER SHOULD ONLY COMPLETE COLUMN #10, "TOTAL UNITS"**

TERRA ENGINEERING & CONSTRUCTION CORPORATION  
 CIPP REHAB OF LARGE DIAMETER SANITARY AND STORM SEWER INTERCEPTORS - 2016  
 CONTRACT NO. 7756  
 FINAL PAYMENT NO. 6

		1	2	3	4	5	6	7	8	9	***** #10	11	12
ITEM	TYPE OF WORK	ESTIMATED QUANTITIES	UNITS	UNIT PRICE BID	CONTRACT DOLLARS	C. O. DOLLARS	UNITS THIS APPL.	EXTENSION	UNITS PREV. APPL.(S)	EXTENSION	TOTAL UNITS	EXTENSION	PERCENT COMPLETE
<b>CHANGE ORDER #1, ACC'T NO. 10290-83-173</b>													
	- FURNISH AND INSTALL CIPP TO REHABILITATE 24-INCH DIAMETER SANITARY SEWER MAINS	-361.00	L.F.	\$105.00		(\$37,905.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- CLEANING AND TELEVISIONING	361.00	L.F.	\$10.20		\$3,682.20	0.00	\$0.00	353.00	\$3,600.60	353.00	\$3,600.60	97.8%
	- ADDITIONAL SETUP AND INSTALL	2.00	EACH	\$11,375.00		\$22,750.00	0.00	\$0.00	2.00	\$22,750.00	2.00	\$22,750.00	100.0%
	- ADJUST AND SHORTEN BYPASS	1.00	LUMP SUM	\$5,900.00		\$5,900.00	0.00	\$0.00	1.00	\$5,900.00	1.00	\$5,900.00	100.0%
	<b>CHANGE ORDER #1 TOTAL</b>					(\$5,572.80)		\$0.00		\$32,250.60		\$32,250.60	
<b>CHANGE ORDER #2, ACC'T NOS. (SEE BELOW)</b>													
<b>10290-83-173</b>													
	- TRAFFIC CONTROL FOR SANITARY SEWER INSTALLATION	-0.27	LUMP SUM	\$35,000.00		(\$9,500.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- MOBILIZATION FOR SANITARY SEWER INSTALLATION	-0.30	LUMP SUM	\$45,000.00		(\$13,500.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- FURNISH AND INSTALL CIPP TO REHABILITATE 30-INCH DIAMETER SANITARY SEWER MAINS	-3,021.00	L.F.	\$140.00		(\$422,940.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- REINSTATE AND RECONNECT SERVICE OPENINGS	-1.00	EACH	\$1,235.00		(\$1,235.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- CLEAN AND TELEVISION 30" SANITARY SEWER MAIN	639.00	L.F.	\$9.50		\$6,070.50	0.00	\$0.00	639.00	\$6,070.50	639.00	\$6,070.50	100.0%
	- CIPP PIPELINE PRE-TREATMENT	-31.00	EACH	\$300.00		(\$9,300.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	- WASTEWATER CONTROL - HEAVY FLOW	-0.30	LUMP SUM	\$330,000.00		(\$99,000.00)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	<b>SUBTOTAL</b>					(\$549,404.50)		\$0.00		\$6,070.50		\$6,070.50	
<b>10290-84-174</b>													
	- ALL STORM SEWER ITEMS #10702 THRU #50909	-0.95	LUMP SUM	\$89,775.00		(\$84,931.50)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.0%
	<b>CHANGE ORDER #2 TOTAL</b>					(\$634,336.00)		\$0.00		\$6,070.50		\$6,070.50	
<b>CHANGE ORDER #3, ACC'T NOS. (SEE BELOW)</b>													
<b>10290-83-173</b>													
	- FURNISH AND INSTALL CIPP TO REHABILITATE 24-INCH DIAMETER SANITARY SEWER MAINS	36.00	L.F.	\$105.00		\$3,780.00	0.00	\$0.00	36.00	\$3,780.00	36.00	\$3,780.00	100.0%
<b>10290-84-174</b>													
	- CLEAN AND TELEVISION 30" STORM SEWER MAIN	273.00	L.F.	\$9.50		\$2,593.50	0.00	\$0.00	273.00	\$2,593.50	273.00	\$2,593.50	100.0%
	<b>CHANGE ORDER #3 TOTAL</b>					\$6,373.50		\$0.00		\$6,373.50		\$6,373.50	
<b>GRAND TOTALS (CONTRACT TOTALS PLUS CHANGE ORDERS)</b>						<b>\$773,669.70</b>		<b>\$0.00</b>		<b>\$773,654.60</b>		<b>\$773,654.60</b>	<b>100.0%</b>