



November 2, 2018

Hon. Kevin Neal – Judge Executive
Marshall County Fiscal Court
1101 Main Street
Benton, KY 42025

**RE: Murtco Utility Services, LLC Application for Payment No. 3
Recommendation for Payment
Draffenville Sewer Expansion Phases 1-3
Draffenville, Marshall County, Kentucky**

Judge Neal,

We have received and reviewed the third application for payment from Murtco Utility Services, LLC (Murtco) on the sewer expansion project in Draffenville. Following our review, we concur with the quantities shown and the amount invoiced. We recommend that payment be issued to Murtco in the amount indicated on the application as **\$172,772.45**, for the work completed and materials stored through October 26, 2018. This includes a 10% retainage that will be withheld until the project is substantially complete.

To date, Murtco has installed the following items:

- a) Both lift station wet well and valve vault structures,
- b) Partial Sewer Line A - gravity sewer main from the main lift station out to U.S. 641 and up the hill to near Stonebridge,
- c) Partial Sewer Line C – gravity sewer main from Steeplechase lift station south towards Billy Watkins Road,
- d) Partial Sewer Line F – gravity sewer main from Steeplechase lift station north towards Draffen Floor Covering,
- e) Partial Sewer Line H – gravity sewer main from main lift station across US 641 to MCHS property,
- f) Force Main A - installed approximately 45% of the force main piping from the treatment plant back to the Steeplechase subdivision.

Based upon our review of the work, the contractor is staffing the project appropriately, and the workmanship has been satisfactory.

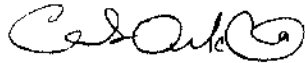
One copy of Murtco's application for payment is attached to this letter for your reference. Also included, are

- a) Copies of Rivercrest's October invoices for engineering and loan admin services (for approval)
- b) KIA Funding "Exhibit B" Draw Request Form (**requires signature**).

Upon your approval, please return a scanned copy of the executed KIA draw request form to me so that we may process these payments through the Division of Water and KIA Loan processes. If you have any questions, or wish to discuss further, please call me at your convenience.

Sincerely,

Rivercrest Engineering, Inc.

A handwritten signature in black ink, appearing to read "Charles D. McCann II". The signature is cursive and somewhat stylized, with a large initial "C" and "M".

Charles D. McCann II, P.E.
Project Manager

cc: Randy Green, Sanitation District Chairman

Rivercrest Job No. 17009-02

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF 1 OF 1

OWNER: MARSHALL CO. SANITATION
DRAFFENVILLE SEWER

APPLICATION NO 3

Distribution to:
 OWNER
 ENGINEER
 CONTRACTOR

FROM CONTRACTOR: MURTCO UTILITY SERVICES, LLC
815 Abell Street
Paducah, KY 42003

PERIOD TO 10/26/2018

PROJECT NOS: A18-04

CONTRACT DATE: 7/26/18

DATE FOR:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. (Continuation Sheet, AIA Document G703, is attached.)

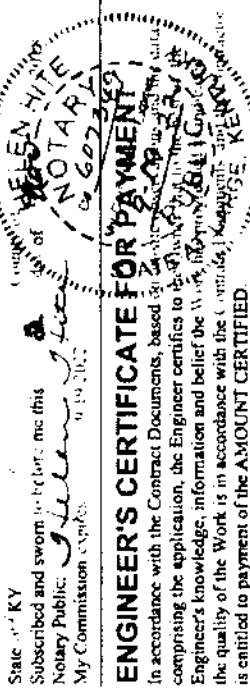
1 ORIGINAL CONTRACT SUM	\$ \$	2,107,760.00
2 Net change by Change Orders	\$ \$	0.00
3 CONTRACT SUM TO DATE (Line 1 + 2)	\$ \$	2,107,760.00
4 TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ \$	72,246.36
5 RETAINAGE		
a. % of Completed Work (Column D + E on G703)	\$ \$	72,246.36
b. % of Stored Material (Column F on G703)	\$ \$	
Total Retainage (Lines 5a - 5b or Total in Column I of G703)	\$ \$	72,246.36
6 TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$ \$	1,727,772.45
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$ \$	(477,444.78)
8 CURRENT PAYMENT DUE	\$ \$	1,727,772.45
9 BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$ \$	1,630,315.22

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

By: _____

State of KY

Subscribed and sworn to before me this _____ day of _____, 2018.
Notary Public: _____
My Commission Expires: _____



ENGINEER'S CERTIFICATE FOR PAYMENT
In accordance with the Contract Documents, based on the application, information and belief of the Engineer certifies to the quality of the Work in accordance with the Contract Documents, and that the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED: \$ 1,727,772.45

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

By: _____

Date: 11/2/18

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order	\$0.00	\$0.00

THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, DC 20005-5292

FORM G702 APPLICATION AND CERTIFICATION FOR PAYMENT - 1992 EDITION AIA 0192
Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee

Note: Items in RED FONT are automatically calculated from the G703 form or from items within this G702 Form. Do NOT hand enter these items on this sheet.

MAHESHALL COUNTY SANITATION DISTRICT DRAFFENVILLE SEWER EXPANSION PHASES 1-3
 EXAMPLE INVOLVING SPREADSHEET WITH STORED MATERIALS CALCULATIONS

APPLICATION # 3
 October 30, 2018

A	B	C	D	E	F	G	H	I	J	K	L
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE PER	BIG AMT	PREVIOUSLY INSTALLED	INSTALL MONTH	MILL STORED TO DATE	STORING V.L. AMT	QTY IN LT. TO DATE	AMOUNT TO DATE
1	10" SDR-26 PVC Gravity Sewer (13' x Deep)	1	190	\$68.00	\$12,920.00	56	13		\$0.00	178	\$12,104.00
2	10" SDR-26 PVC Gravity Sewer (10-15' Deep)	1	1,000	\$17.00	\$17,000.00	0	135		\$0.00	135	\$17,320.00
3	10" SDR-35 PVC Gravity Sewer (10-10' Deep)	1	465	\$43.00	\$20,000.00	0	0		\$0.00	0	\$0.00
4	10" 4" PVC Gravity Sewer (10-15' Deep)	1	435	\$42.00	\$18,270.00	0	80		\$0.00	80	\$18,360.00
5	8" 4" PVC Gravity Sewer (10-15' Deep)	1	1,625	\$46.00	\$75,330.00	0	358	1,167	\$6,055.76	358	\$16,488.00
6	8" SDR-35 PVC Gravity Sewer (10-10' Deep)	1	835	\$38.00	\$31,730.00	0	795	5,576	\$20,052.00	795	\$30,210.00
7	8" 2" PVC Gravity Sewer (10-15' Deep)	1	705	\$35.00	\$24,675.00	0	0		\$0.00	0	\$0.00
8	8" 2" PVC Gravity Sewer (10-15' Deep)	1	640	\$35.00	\$22,400.00	2542	7	3,361	\$50,415.00	2549	\$31,764.00
9	8" 2" PVC Gravity Sewer (10-15' Deep)	1	640	\$35.00	\$22,400.00	660	0	330	\$4,950.00	650	\$37,080.00
10	8" 2" PVC Gravity Sewer (10-15' Deep)	1	985	\$35.00	\$34,425.00	0	0		\$0.00	0	\$0.00
11	20' Step Encasement (Bore & Jack)	1	760	\$46.00	\$34,960.00	0	82		\$0.00	82	\$35,772.00
12	20' Step Encasement (Bore & Jack)	1	240	\$370.00	\$88,800.00	0	80		\$0.00	80	\$29,600.00
13	20' Step Encasement (Bore & Jack - 8" Sewer)	1	100	\$100.00	\$10,000.00	0	0		\$0.00	0	\$0.00
14	20' Step Encasement (Bore & Jack - 8" Sewer)	1	620	\$385.00	\$238,700.00	0	0		\$0.00	0	\$0.00
15	4" Diameter Precast Concrete Manhole (15' x Deep)	each	1	\$4,875.00	\$4,875.00	1	1		\$0.00	2	\$9,750.00
16	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	17	\$4,060.00	\$68,820.00	0	1		\$0.00	1	\$4,060.00
17	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	33	\$3,500.00	\$115,500.00	0	1		\$0.00	1	\$3,500.00
18	4" Diameter Precast Concrete Manhole (4-10' Deep)	each	1	\$5,615.00	\$5,615.00	0	0		\$0.00	0	\$0.00
19	2" Air Release Valve & Vent	each	6	\$43,700.00	\$262,200.00	0	0		\$0.00	0	\$0.00
20	Cleanout Assembly	each	39	\$750.00	\$29,250.00	0	0		\$0.00	0	\$0.00
21	Core Drill Existing Wet Well Manhole	each	1	\$1,710.00	\$1,710.00	0	0		\$0.00	0	\$0.00
22	Reinforced Existing Sewer Service	each	1	\$1,206.00	\$1,206.00	0	0		\$0.00	0	\$0.00
23	Reinforced Existing Sewer Service	each	1	\$1,174.00	\$1,174.00	0	0		\$0.00	0	\$0.00
24	Pre-Existing Sewer to Proposed Manhole	each	1	\$1,174.00	\$1,174.00	0	0		\$0.00	0	\$0.00
25	Class III Chemical Linning (w/ Geotextile Fabric)	sq yd	1,380	\$44.00	\$60,720.00	62	0		\$0.00	62	\$2,728.00
26	Class III Chemical Linning (w/ Geotextile Fabric)	sq yd	1	\$110,370.00	\$110,370.00	0	0		\$0.00	0	\$0.00
27	Class III Chemical Linning (w/ Geotextile Fabric)	sq yd	2,455	\$21.00	\$51,555.00	568.7	396.28		\$0.00	965.0	\$20,422.58
28	Concrete Driveaway Replacement	sq yd	6	\$150.00	\$900.00	0	0		\$0.00	0	\$0.00
29	Concrete Driveaway Replacement	sq yd	20	\$64.00	\$1,280.00	0	0		\$0.00	0	\$0.00
30	Asphalt Driveaway/Shoulder Replacement	sq yd	146	\$195.00	\$28,470.00	0	0		\$0.00	0	\$0.00
31	Cleaning & Grubbing	sum	1	\$33,545.00	\$33,545.00	0	0		\$0.00	0	\$0.00
32	MCHS LS No. 1 - 270gpm Duplex Lift Station	sum	1	\$205,890.00	\$205,890.00	0.65	0		\$0.00	0.65	\$133,618.50
33	MCHS LS No. 1 - Electrical (Includes Generator)	sum	1	\$69,350.00	\$69,350.00	0	0		\$0.00	0	\$0.00
34	MCHS LS No. 1 - Site Fencing & Gate	sum	1	\$14,910.00	\$14,910.00	0.75	0		\$0.00	0.75	\$11,182.50
35	Steep Slope Chase LS No. 2 - 50gpm Duplex Lift Station	sum	1	\$43,210.00	\$43,210.00	0	0		\$0.00	0	\$0.00
36	Steep Slope Chase LS No. 2 - Electrical	sum	1	\$20,300.00	\$20,300.00	0	0		\$0.00	0	\$0.00
37	Steep Slope Chase LS No. 2 - Site Grading & DG4	sum	1	\$3,560.00	\$3,560.00	0	0		\$0.00	0	\$0.00
38	Steep Slope Chase LS No. 2 - Site Fencing & Gate	sum	1	\$8,480.00	\$8,480.00	0	0		\$0.00	0	\$0.00
39	Mobilization/Demobilization	sum	1	\$7,850.00	\$7,850.00	0	0		\$0.00	0	\$0.00
40	Bonds & Insurance	sum	1	\$2,980.00	\$2,980.00	0	0		\$0.00	0	\$0.00
41	Erosion & Sediment Control	sum	1	\$42,280.00	\$42,280.00	0.7	0		\$0.00	0.7	\$2,980.00
42	JOB TOTALS				\$2,307,740.00				\$41,473.26		\$640,990.31

Summary
 A Total Contract Amount \$1,107,740.00
 B Total Stored to Date (Total of Column J) \$81,473.26
 C Total Completed & Stored to Date (Column K + Column J) \$726,516.74
 D Total Retainage (10%) \$72,651.67
 E Amount Paid Previously \$471,468.29
 F Current Invoice Amount (Item C - Items D & E) \$172,772.45

NOTES
 COLUMN I THIS VALUE IS CALCULATED USING THE 3.0 AMOUNT PER MONTH FOR MONTHS INSTALLED
 COLUMN J THIS VALUE IS CALCULATED USING THE 3.0 AMOUNT PER MONTH FOR MONTHS INSTALLED
 COLUMN K THIS VALUE IS CALCULATED USING THE 3.0 AMOUNT PER MONTH FOR MONTHS INSTALLED



Professional Services Invoice

Service Provider: Rivercrest Engineering Incorporated
 3519 State Route 440
 Hickory, KY 42051
 Phone (270) 519-7675

Invoice No.: 9
Invoice Date: November 2, 2018
REI Project No.: 17014

Client: Marshall County Fiscal Court
 Attn: Kevin Neal, Judge/Executive
 1101 Main Street
 Benton, KY 42025

Project Name: Marshall Co. Fiscal Court
 Loan Administration Assist.
 San Dist - Sewer Expansion
 Draffenville, KY

Service Dates: 9/29/2018 through 11/2/2018
* Services Approved at 10/17/18 MCFC Meeting

Professional Service Invoice Type: Lump Sum 55,000.00

Task Item No	Service Description	L.S. Amount	Units This Period	Complete to Date	Amount Subtotal
1	Preliminary & Design Phase	4,000.00		100%	\$4,000.00
2	Construction Procurement Phase	7,000.00		100%	\$7,000.00
3	Construction Phase	30,000.00	9%	30%	\$9,000.00
4	Project Closeout Phase	12,000.00		0%	\$0.00

Subtotal Lump Sum Services	53,000.00		38%	\$20,000.00
L.S. Direct Expenses - Reprod/Mileage, etc	2,000.00		0%	\$0.00
Hourly Services				
Hourly - Tech. Rate	75.00	0	0	\$0.00
Hourly - Des. Rate	90.00	0	0	\$0.00
Hourly - PM Rate	115.00	0	0	\$0.00
Approved HRLY Amt. 0.00				\$0.00
Amount Earned to Date				\$20,000.00
Less Amount Previously Invoiced				\$17,300.00
Amount Due this Invoice				\$2,700.00

Service fees due for professional services rendered October 2018 = \$2,700.00

R. Brian Flynn, PE, President

Payment History (see Page 2):

Invoice No.	Invoice Date	Amount Due	Amount Paid	Date Received	Invoice Age
1	February 9, 2018	\$2,600.00	\$2,600.00	3/26/2018	0
2	March 5, 2018	\$600.00	\$600.00	5/29/2018	0
3	April 5, 2018	\$400.00	\$400.00	4/13/2018	0
4	June 7, 2018	\$750.00	\$750.00	6/20/2018	0
5	July 9, 2018	\$1,050.00	\$1,050.00	8/10/2018	0
6	August 8, 2018	\$5,600.00	\$5,600.00	8/27/2018	0
7	September 4, 2018	\$3,000.00	\$3,000.00	10/4/2018	0
8	October 1, 2018	\$3,300.00			32
9	November 2, 2018	\$2,700.00			0



Professional Services Invoice

Service Provider: Rivercrest Engineering Incorporated
 3519 State Route 440
 Hickory, KY 42051
 Phone (270) 519-7675

Invoice No.: 14
Invoice Date: November 2, 2018
REI Project No.: 17009-02

Client: Marshall County Fiscal Court
 Attn: Kevin Neal, Judge/Executive
 1101 Main Street
 Benton, KY 42025

Project Name: MC San District
 Sanitary Sewer Expansion
 Phase 1
 Draffenville, KY

Service Dates: 9/29/2018 through 11/2/2018

Professional Service Invoice Type:	Lump Sum & Hourly	321,400.00
	Lump Sum - Des thru Proc	165,400.00 - Approved at 8/2/17 MCFC Meeting
	Hourly - Const Eng & Obs	141,000.00 - Approved at 2/20/18 MCFC Meeting
	Lump Sum - CM #1 - L Station	15,000.00 - Contract Mod #1 Approved 6/18/18 by Signed Proposal Letter

Task Item No	Service Description	L.S. Amount	Units This Period	Complete to Date	Amount Subtotal
1	Preliminary Evaluation	9,600.00		100%	\$9,600.00
2	Preliminary Design & Survey Coord.	29,900.00		100%	\$29,900.00
3	Final Design & Permitting	42,200.00		100%	\$42,200.00
4	Easement Development & Negotiation	33,900.00		100%	\$33,900.00
5	Procurement Assistance	6,800.00		100%	\$6,800.00
6	Cont Mod #1 - Relocate L Sta and Gravity	15,000.00		100%	\$15,000.00

Subtotal Lump Sum Services	137,400.00		100%	\$137,400.00
L.S. Direct Expenses - Surv/Geo/Elec	43,000.00		100%	\$43,000.00
Construction Phase Services - Hourly T&M				
Hourly - Tech. Rate	75.00	209	376	\$28,200.00
Hourly - Des. Rate	90.00		17	\$1,530.00
Hourly - PM Rate	115.00	36	83	\$9,545.00
Direct Expense - Mileage	0.59	894	1975	\$1,165.25
Approved HRLY Amt.	141,000.00		28.7%	\$40,440.25
<small>* Initial Fee Est. based on 32 Week Construction Period</small>				
Amount Earned to Date				\$220,840.25
Less Amount Previously Invoiced				\$200,497.79
Amount Due this Invoice				\$20,342.46

Service fees due for professional services rendered in October 2018 = **\$20,342.46**

R. Brian Flynn, PE, President

Payment History (see Page 2) :

<u>Invoice No.</u>	<u>Invoice Date</u>	<u>Amount Due</u>	<u>Amount Paid</u>	<u>Date Received</u>	<u>Invoice Age</u>	<u>Cummulative AR</u>
1	September 12, 2017	\$16,235.00	\$16,235.00	1/4/2018	0	\$0.00
2	November 1, 2017	\$42,925.00	\$42,925.00	1/4/2018	0	\$0.00
3	December 5, 2017	\$33,610.00	\$33,610.00	1/4/2018	0	\$0.00
4	January 3, 2018	\$14,020.00	\$14,020.00	2/8/2018	0	\$0.00
5	February 9, 2018	\$11,870.00	\$11,870.00	3/26/2018	0	\$0.00
6	March 5, 2018	\$12,280.00	\$12,280.00	5/29/2018	0	\$0.00
7	April 5, 2018	\$13,560.00	\$13,560.00	4/13/2018	0	\$0.00
8	May 8, 2018	\$9,800.00	\$9,800.00	6/12/2018	0	\$0.00
9	June 7, 2018	\$7,700.00	\$7,700.00	6/20/2018	0	\$0.00
10	July 9, 2018	\$12,400.00	\$12,400.00	8/10/2018	0	\$0.00
11	August 8, 2018	\$6,000.00	\$6,000.00	8/27/2018	0	\$0.00
12	September 4, 2018	\$6,110.54	\$6,110.54	10/4/2018	0	\$0.00
13	October 1, 2018	\$13,987.25			0	\$13,987.25
14	November 2, 2018	\$20,342.46			0	\$34,329.71

**EXHIBIT B
REQUEST FOR PAYMENT AND PROJECT STATUS REPORT**

Borrower: MARSHALL COUNTY FISCAL COURT

WX/SX Number: SX21157035 **KIA Loan #** A18-014
Draw Number 3 **Date:** 11/2/18

The above identified Governmental Agency has entered into an Assistance Agreement with the Kentucky Infrastructure Authority (the "Authority") for the acquisition and construction of facilities described in the Assistance Agreement as the "Project."

Pursuant to the Assistance Agreement, we hereby certify that we have incurred the following expenses in connection with the Project and that the Authority's funding share of these expenses is in the amount so denoted in this request. Documentation supporting the expenses incurred and identified per this request are attached.

Funds Requested: \$ 195,814.91

Project Budget and Expenses

Line Item	Cost	Expenses This Request	Expenses to Date	Project Budget	Balance
1	Administrative	2,700.00	20,000.00	55,000.00	35,000.00
2	Legal	-	-	-	0.00
3	Land, Appraisals, Easements	-	33,900.00	33,900.00	0.00
4	Relocation Expense	-	-	-	0.00
5	Planning	-	9,600.00	9,600.00	0.00
6	Engineering Fees - Design	-	93,900.00	93,900.00	0.00
7	Engineering Fees - Construction	4,140.00	11,075.00	45,000.00	33,925.00
8	Engineering Fees - Inspection	16,202.46	29,365.25	96,000.00	66,634.75
9	Construction	172,772.45	650,217.23	2,107,760.00	1,457,542.77
10	Equipment	-	-	-	0.00
11	Contingency	-	-	582,828.00	582,828.00
12	Other	-	43,000.00	43,000.00	0.00
	Total	195,814.91	891,057.48	3,066,988.00	2,175,930.52

If expenses to date exceed project budget a revised budget must be submitted to and approved by the Authority before funds will be released.

		<u>Project Funding</u>			
Funding Agency		Expenses This Request	Expenses to Date	Project Budget	Balance
1	KIA CLEAN WATER SRF - FUND A	195,814.91	891,057.48	3,066,988.00	2,175,930.52
2	-	-	-	-	0.00
3	-	-	-	-	0.00
4	-	-	-	-	0.00
5	-	-	-	-	0.00
6	-	-	-	-	0.00
7	-	-	-	-	0.00
8	-	-	-	-	0.00
9	-	-	-	-	0.00
10	-	-	-	-	0.00
11	-	-	-	-	0.00
12	-	-	-	-	0.00
	Total	195,814.91	891,057.48	3,066,988.00	2,175,930.52

We certify that the expenses in this draw request were incurred pursuant to local procurement policies which conform to KRS 45A.

Borrower Signature:


 Kevin Neal, Marshall Co. Judge Executive

Project Administrator:


 Charles D. McCanh II, Rivercrest Engineering, Inc.

