



January 3, 2019

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

**RE: Murtco Utility Services, LLC Application for Payment No. 5
Recommendation for Payment
Draffenville Sewer Expansion Phases 1-3
Draffenville, Marshall County, Kentucky**

Judge Neal,

We have received and reviewed the fifth 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 **\$238,581.32**, for the work completed and materials stored through December 30, 2018. This includes a 10% retainage.

To date, Murtco has installed the following items:

- a) Main Lift Station No. 1 wet well and valve vault structures,
- b) Lift Station No. 2 – Steeplechase, including electrical controls,
- c) Partial Sewer Line A - gravity sewer main from the main lift station out to U.S. 641 and up the hill to near Stonebridge,
- d) Sewer Line C – gravity sewer main from Steeplechase lift station south to Billy Watkins Road
- e) Partial Sewer Line F – gravity sewer main from Steeplechase lift station north towards Draffen Floor Covering,
- f) Partial Sewer Line H – gravity sewer main from main lift station across US 641 to MCHS property and across the property, east to a point near the school tennis courts,
- g) Force Main A - installed approximately 55% of the force main piping from the treatment plant back to near Billy Watkins Road.

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

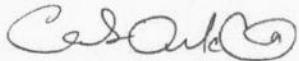
- a) Copies of Rivercrest's December invoices for engineering and loan admin services (for approval)
- b) KIA Funding "Exhibit B" Draw Request Form (**requires signature**)

- c) Change Order No. 2 – This includes the addition of a pay item for 10-inch SDR-26 PVC sewer installations 0-10 feet deep. The original bid form included only 10-15 feet deep installations; therefore, a new pay item was required. **(requires signature)**

Upon your approval, please return a scanned copy of the executed KIA draw request and Change Order forms 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.



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

cc: Randy Green, Sanitation District Chairman

Rivercrest Job No. 17009-02


**SECTION 00650
CONTRACT CHANGE ORDER**


Change Order No. 2

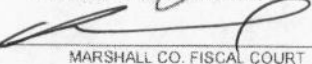
To: MURTCO UTILITY SERVICES, LLC 815 ABELL STREET PADUCAH, KENTUCKY 42003		Date: 3-Jan-19
		Project: MARSHALL COUNTY SANITATION DISTRICT SEWER EXPANSION - PHASES 1-3
		Location: DRAFFENVILLE, KY

ITEM	DESCRIPTION	UNITS	BID QTY.	UNIT PRICE BID	INSTALLED QTY.	TOTAL ADDITION / DEDUCT
1.	10" SDR-26 PVC Gravity Sewer (15'+ Deep)	l.f.	190	\$68.00	190	\$0
2.	10" SDR-26 PVC Gravity Sewer (10-15' Deep)	l.f.	1,000	\$52.00	1,000	\$0
3.	10" SDR-35 PVC Gravity Sewer (0-10' Deep)	l.f.	960	\$43.00	960	\$0
4.	10" R.J/PVC Gravity Sewer (w/in Encasement)	l.f.	435	\$42.00	435	\$0
5.	8" SDR-26 PVC Gravity Sewer (10-15' Deep)	l.f.	1,625	\$46.00	1,625	\$0
6.	8" SDR-35 PVC Gravity Sewer (0-10' Deep)	l.f.	6,365	\$38.00	6,365	\$0
7.	8" R.J/PVC Gravity Sewer (w/in Encasement)	l.f.	705	\$95.00	705	\$0
8.	8" DR-11 HDPE Force Main (Trench)	l.f.	5,910	\$36.00	5,910	\$0
9.	8" DR-11 HDPE Force Main (HDD)	l.f.	980	\$57.00	980	\$0
10.	2" DR-11 HDPE Force Main (Trench)	l.f.	60	\$12.00	60	\$0
11.	6" PVC Service Lateral	l.f.	760	\$46.00	760	\$0
12.	20" Steel Encasement (Bore & Jack)	l.f.	240	\$370.00	240	\$0
13.	20" Steel Encasement (Stream Crossing)	l.f.	100	\$100.00	100	\$0
14.	16" Steel Encasement (Bore & Jack - 8" Sewer)	l.f.	620	\$385.00	620	\$0
15.	4' Diameter Precast Concrete Manhole (15'+ Deep)	each	1	\$4,875.00	1	\$0
16.	4' Diameter Precast Concrete Manhole (10-15' Deep)	each	17	\$4,060.00	17	\$0
17.	4' Diameter Precast Conc. Drop Manhole (10-15'+ Deep)	each	3	\$6,890.00	3	\$0
18.	4' Diameter Precast Concrete Manhole (4-10' Deep)	each	33	\$3,500.00	33	\$0
19.	4' Diameter Precast Conc. Drop Manhole (4-10' Deep)	each	1	\$5,615.00	1	\$0
20.	2" Air Release Valve & Vault	each	6	\$4,370.00	6	\$0
21.	Cleanout Assembly	each	39	\$750.00	39	\$0
22.	Core Drill Existing Wet Well/Manhole	l. sum	2	\$1,210.00	2	\$0
23.	Reconnect Existing Sewer Service	each	1	\$1,200.00	1	\$0
24.	Tie Existing Sewer to Proposed Manhole	each	1	\$1,150.00	1	\$0
25.	Class III Channel Lining (w/ Geotextile Fabric)	s.y.	330	\$44.00	330	\$0
26.	Landscaping & Seeding	l. sum	1	\$110,370.00	1	\$0
27.	Select Fill	tons	2,355	\$21.00	2,355	\$0
28.	Concrete Class B Thrustblocking	c.y.	6	\$150.00	6	\$0
29.	Concrete Driveway Replacement	s.y.	20	\$64.00	20	\$0
30.	Asphalt Driveway/Roadway Replacement	tons	146	\$195.00	146	\$0
31.	Clearing & Grubbing	l. sum	1	\$33,545.00	1	\$0
32a.	MCHS LS No. 1 - 270gpm Duplex Lift Station	l. sum	1	\$205,890.00	1	\$0
32b.	MCHS LS No. 1 - Electrical (Includes Generator)	l. sum	1	\$69,350.00	1	\$0
32c.	MCHS LS No. 1 - Site Grading, DGA, Culvert & Riprap	l. sum	1	\$14,910.00	1	\$0
32d.	MCHS LS No. 1 - Site Fencing & Gate	l. sum	1	\$14,210.00	1	\$0
33a.	Steeple Chase LS No. 2 - 50gpm Duplex Lift Station	l. sum	1	\$45,925.00	1	\$0
33b.	Steeple Chase LS No. 2 - Electrical	l. sum	1	\$20,300.00	1	\$0
33c.	Steeple Chase LS No. 2 - Site Grading & DGA	l. sum	1	\$3,560.00	1	\$0
33d.	Steeple Chase LS No. 2 - Site Fencing & Gate	l. sum	1	\$8,480.00	1	\$0
34.	Mobilization/Demobilization	l. sum	1	\$7,850.00	1	\$0
35.	Bonds & Insurance	l. sum	1	\$52,980.00	1	\$0
36.	Erosion & Sediment Control	l. sum	1	\$42,280.00	1	\$0
CO 01.	24" CMP Upgrade	l. sum	1	\$1,150.00	1	\$0
CO 02.	MCHS LS No. 1 - Pump & Control Material Changes	l. sum	1	\$5,230.00	1	\$0
CO 03.	Steeple Chase LS No. 2 - Pump & Control Material Changes	l. sum	1	\$8,550.00	1	\$0
CO 04.	Steeple Chase LS No. 2 - Pump & Control Material Changes	l.f.	0	\$46.00	813	\$37,398
Net Increase in Contract Price						\$37,398
TOTAL CONTRACT PRICE BEFORE THIS CHANGE						\$ 2,122,690.00
TOTAL CONTRACT PRICE AFTER THIS CHANGE						\$ 2,160,088.00

The time provided for completion of the contract is to remain unchanged. This document shall become an amendment to the contract and all provisions of the contract will apply thereto.

Recommended by: 
RIVERCREST ENGINEERING, INC.

Accepted by: 
MURTCO UTILITY SERVICES, LLC

Approved by: 
MARSHALL CO. FISCAL COURT

Date: 1/3/2019

Date: 1/3/19

Date: 1/4/19

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF 1 OF 1

OWNER: MARSHALL CO. SANITATION
DRAFFENVILLE SEWER

APPLICATION NO 5

Distribution to:

☐ OWNER
☒ ENGINEER
☐ CONTRACTOR

PERIOD TO: 12/30/2018

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

PROJECT NOS: A18-04

CONTRACT FOR:

CONTRACT DATE: 7/26/18

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.

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.

1. ORIGINAL CONTRACT SUM \$ 2,107,760.00 ✓
2. Net change by Change Orders \$ 52,328.00 ✓
3. CONTRACT SUM TO DATE (Line 1 + 2) \$ 2,160,088.00 ✓
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 1,218,552.26 ✓
5. RETAINAGE
a. % of Completed Work \$ 121,855.26 ✓
b. % of Stored Material \$
(Column F on G703)
Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ 121,855.26 ✓
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) \$ 1,096,697.33 ✓
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ (858,116.01) ✓
8. CURRENT PAYMENT DUE \$ 238,581.32 ✓
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ 1,063,390.67 ✓

CHANGE ORDER SUMMARY	
ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$14,930.00 ✓
Total approved this Month	\$37,398.00 ✓
TOTALS	\$52,328.00 ✓
NET CHANGES by Change Order	\$52,328.00 ✓

CONTRACTOR:

By:  Date: 1/2/19State of: KY County of: DEC 30 day of 2018
Subscribed and sworn to before me this 30 day of DEC 2018
Notary Public: Helen Hite
My Commission expires: 9/19/2022


ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the Engineer's knowledge, information and belief the Work has progressed as indicated, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 238,581.32

(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.)

ENGINEER:

By:  Date: 1/3/19

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.

AIA DOCUMENT G702 APPLICATION AND CERTIFICATION FOR PAYMENT 1992 EDITION AIA 61992

THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, DC 20006-5292

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.

MARSHALL COUNTY SANITATION DISTRICT DRAFTERVILLE SEWER EXPANSION PHASES 1-2
EXAMPLE INVOICES SPREADSHEET WITH STORED MATERIALS CALCULATION:

APPLICATION # 5
DEC 18

ITEM	A	B	C	D	E	F	G	H	I	J	K	L
ITEM	DESCRIPTION	BID QTY	UNIT	UNIT PRICE BID	BID AMT	PREVIOUSLY INSTALLED	INSTALLED THIS MONTH	MTL STORED TO DATE	STORED MTL AMT	QTY INST TO DATE	AMOUNT TO DATE	
1	10" SDR-35 PVC Gravity Sewer (15' Deep)	17	1500	\$68.00	\$11,560.00	0	0		\$0.00	17	\$11,560.00	
2	10" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	1000	\$57.00	\$9,690.00	235	734		\$0.00	969	\$9,690.00	
3	10" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	900	\$43.00	\$7,310.00	0	0		\$0.00	170	\$7,310.00	
4	10" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	435	\$44.00	\$19,340.00	80	106		\$0.00	186	\$19,340.00	
5	8" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	1,675	\$34.00	\$57,250.00	967	0	658	\$1,145.24	967	\$57,250.00	
6	8" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	6,965	\$35.00	\$243,775.00	1505	539		\$18,319.60	2104	\$243,775.00	
7	8" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	705	\$35.00	\$24,675.00	130	0		\$0.00	120	\$24,675.00	
8	8" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	5,910	\$35.00	\$206,865.00	3353	0	2,357	\$83,355.00	650	\$206,865.00	
9	8" SDR-35 PVC Gravity Sewer (10-15' Deep)	17	900	\$57.00	\$51,300.00	58	0	330	\$4,950.00	958	\$51,300.00	
10	2" DIA 11 HDPE Force Main (Trench)	17	760	\$44.00	\$33,440.00	554	0		\$0.00	554	\$33,440.00	
11	2" DIA 11 HDPE Force Main (Trench)	17	240	\$37.00	\$8,880.00	80	0		\$0.00	80	\$8,880.00	
12	2" DIA 11 HDPE Force Main (Trench)	17	120	\$120.00	\$14,400.00	0	100		\$10,000.00	100	\$14,400.00	
13	2" DIA 11 HDPE Force Main (Trench)	17	620	\$185.00	\$114,700.00	100	140		\$25,200.00	240	\$114,700.00	
14	2" DIA 11 HDPE Force Main (Trench)	17	17	\$4,875.00	\$82,875.00	2	0		\$0.00	2	\$82,875.00	
15	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	17	\$4,600.00	\$78,200.00	6	6		\$0.00	12	\$78,200.00	
16	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	3	\$6,890.00	\$20,670.00	1	0		\$0.00	1	\$20,670.00	
17	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	33	\$3,900.00	\$129,900.00	7	3		\$0.00	10	\$129,900.00	
18	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	3	\$5,615.00	\$16,845.00	0	3		\$0.00	3	\$16,845.00	
19	4" Diameter Precast Concrete Manhole (10-15' Deep)	each	6	\$4,370.00	\$26,220.00	3	3		\$0.00	6	\$26,220.00	
20	2" Dia Manhole Valve & Vault	each	37	\$250.00	\$9,250.00	19	0		\$0.00	18	\$9,250.00	
21	Concrete Manhole Valve & Vault	each	2	\$1,210.00	\$2,420.00	1	0		\$0.00	1	\$2,420.00	
22	Concrete Manhole Valve & Vault	each	1	\$1,280.00	\$1,280.00	0	0		\$0.00	0	\$1,280.00	
23	Concrete Manhole Valve & Vault	each	1	\$1,250.00	\$1,250.00	0	0		\$0.00	0	\$1,250.00	
24	Tie Existing Sewer to Proposed Manhole	each	370	\$310.00	\$114,700.00	0	0		\$0.00	370	\$114,700.00	
25	Class B Check Limiting (Per Generator Fabric)	each	1	\$1,210.00	\$1,210.00	0	0		\$0.00	0	\$1,210.00	
26	Class B Check Limiting (Per Generator Fabric)	each	1	\$1,210.00	\$1,210.00	0	0		\$0.00	0	\$1,210.00	
27	Select Fill	sum	2,375	\$21.00	\$49,875.00	1,982.94	392.06		\$8,347.25	2,767.00	\$58,222.25	
28	Concrete Class B Throat/Block	sum	2,375	\$21.00	\$49,875.00	1,982.94	392.06		\$8,347.25	2,767.00	\$58,222.25	
29	Concrete Class B Throat/Block	sum	2,375	\$21.00	\$49,875.00	1,982.94	392.06		\$8,347.25	2,767.00	\$58,222.25	
30	Asphalt Driveway/Roadway Replacement	sum	20	\$240.00	\$4,800.00	0	0		\$0.00	0	\$4,800.00	
31	Clearing & Grubbing	sum	146	\$185.00	\$26,910.00	0	0		\$0.00	0	\$26,910.00	
32a	MCNLS LS No. 1 - 2" Digging Light Station	sum	1	\$33,545.00	\$33,545.00	0	0		\$0.00	0	\$33,545.00	
32b	MCNLS LS No. 1 - Electrical (Includes Generator)	sum	1	\$205,990.00	\$205,990.00	0.65	0		\$0.00	0.65	\$205,990.00	
32c	MCNLS LS No. 1 - Site Grading, Ditch, Culvert & Right of Way	sum	1	\$60,350.00	\$60,350.00	0.25	0		\$0.00	0.25	\$60,350.00	
32d	MCNLS LS No. 1 - Site Grading, Ditch, Culvert & Right of Way	sum	1	\$14,910.00	\$14,910.00	0.75	0		\$0.00	0.75	\$14,910.00	
33a	Steeple Chase LS No. 2 - Electrical	sum	1	\$43,325.00	\$43,325.00	0.75	0.25		\$0.00	1	\$43,325.00	
33b	Steeple Chase LS No. 2 - Site Grading & Ditch	sum	1	\$20,300.00	\$20,300.00	0.5	0.5		\$0.00	1	\$20,300.00	
33c	Steeple Chase LS No. 2 - Site Grading & Ditch	sum	1	\$1,560.00	\$1,560.00	1	0		\$0.00	1	\$1,560.00	
34	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$8,480.00	\$8,480.00	0	0		\$0.00	0	\$8,480.00	
35	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$52,880.00	\$52,880.00	0.5	0.5		\$0.00	1	\$52,880.00	
36	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$42,280.00	\$42,280.00	0.7	0.3		\$0.00	1	\$42,280.00	
37	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$5,210.00	\$5,210.00	1	0		\$0.00	1	\$5,210.00	
38	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$4,550.00	\$4,550.00	1	0		\$0.00	1	\$4,550.00	
39	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
40	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
41	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
42	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
43	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
44	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
45	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
46	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
47	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
48	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
49	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
50	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
51	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
52	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
53	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
54	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
55	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
56	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
57	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
58	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
59	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
60	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
61	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
62	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
63	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
64	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
65	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
66	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
67	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
68	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
69	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
70	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
71	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
72	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
73	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
74	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
75	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
76	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
77	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
78	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
79	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
80	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
81	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
82	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
83	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
84	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
85	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
86	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
87	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
88	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
89	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
90	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
91	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
92	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
93	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
94	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,398.00	
95	Steeple Chase LS No. 2 - Site Grading & Gate	sum	1	\$17,398.00	\$17,398.00	0	0		\$0.00	0	\$17,3	



Professional Services Invoice

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

Invoice No. 16
Invoice Date: January 3, 2019
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: 12/1/2018 through 12/28/2018

Professional Service Invoice Type:

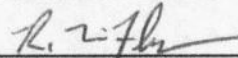
Lump Sum & Hourly	321,400.00	
Lump Sum - Des thru Proc	165,400.00	- Approved at 8/2/17 MCFC Meeting
Hourly - Const Eng & Obs	141,000.00	- Approved at 2/20/18 MCFC Meeting
Lump Sum - CM #1 - LStation	15,000.00	- Contract Mod #1 Approved 6/18/18 by Signed Proposal Letter

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	147.0	632		\$47,362.50
Hourly - Des. Rate	90.00	3.0	20		\$1,800.00
Hourly - PM Rate	115.00	22.0	143		\$16,445.00
Direct Expense - Mileage	0.59	643	3342		\$1,971.78
Approved HRLY Amt.	141,000.00			47.9%	\$67,579.28
* Initial Fee Est. based on 32 Week Construction Period					
Amount Earned to Date					\$247,979.28
Less Amount Previously Invoiced					\$233,774.91
Amount Due this Invoice					\$14,204.37

Service fees due for professional services rendered in December 2018 =

\$14,204.37


 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	\$13,987.25	12/10/2018	0	\$0.00
14	November 2, 2018	\$20,342.46	\$20,342.46	12/10/2018	0	\$0.00
15	December 3, 2018	\$12,934.66			0	\$12,934.66
16	January 3, 2019	\$14,204.37			0	\$27,139.03



Professional Services Invoice

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

Invoice No. 11
Invoice Date: January 3, 2019

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: 12/1/2018 through 12/28/2018

* Services Approved at 10/17/17 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	14%	56%	\$16,800.00
4	Project Closeout Phase	12,000.00		0%	\$0.00

Subtotal Lump Sum Services	53,000.00		52%	\$27,800.00
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.	<u>0.00</u>			\$0.00
Amount Earned to Date				\$27,800.00
Less Amount Previously Invoiced				\$23,600.00
Amount Due this Invoice				\$4,200.00

Service fees due for professional services rendered December 2018 =

\$4,200.00

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 Amount</u>
1	February 9, 2018	\$2,600.00	\$2,600.00	3/26/2018	0	\$0.00
2	March 5, 2018	\$600.00	\$600.00	5/29/2018	0	\$0.00
3	April 5, 2018	\$400.00	\$400.00	4/13/2018	0	\$0.00
4	June 7, 2018	\$750.00	\$750.00	6/20/2018	0	\$0.00
5	July 9, 2018	\$1,050.00	\$1,050.00	8/10/2018	0	\$0.00
6	August 8, 2018	\$5,600.00	\$5,600.00	8/27/2018	0	\$0.00
7	September 4, 2018	\$3,000.00	\$3,000.00	10/4/2018	0	\$0.00
8	October 1, 2018	\$3,300.00	\$3,300.00	12/10/2018	0	\$0.00
9	November 2, 2018	\$2,700.00	\$2,700.00	12/10/2018	0	\$0.00
10	December 3, 2018	\$3,600.00			31	\$3,600.00
11	January 3, 2019	\$4,200.00			0	\$7,800.00

EXHIBIT B

REQUEST FOR REIMBURSEMENT AND PROJECT STATUS REPORT

Borrower: Marshall County Fiscal Court
 WX/SX Number: SX 21157035

Date: January 3, 2019
 KIA Loan #: A18-014

Project Status: On Schedule

--

Draw Number:	5
Funds Requested:	\$256,985.69

Project Budget and Expenses

Cost	Project Budget	Expenses (excluding this request)	Expenses This Request	Balance After Draw
Administrative	55,000.00	23,600.00	4,200.00	27,200.00
Legal	-	-	-	-
Land/Appraisals/Easements/Rights of Way	33,900.00	33,900.00	-	-
Relocation Expense	-	-	-	-
Planning	9,600.00	9,600.00	-	-
Engineering Fees - Design	93,900.00	93,900.00	-	-
Engineering Fees - Construction	45,000.00	15,445.00	2,800.00	26,755.00
Engineering Fees - Inspection	96,000.00	37,929.91	11,404.37	46,665.72
Engineering Fees - Other	43,000.00	43,000.00	-	-
Construction	2,160,088.00	858,116.01	238,581.32	1,063,390.67
Equipment	-	-	-	-
Contingency	530,500.00	-	-	530,500.00
Other	-	-	-	-
Total	3,066,988.00	1,115,490.92	256,985.69	1,694,511.39

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

Project Funding

Funding Agency	Project Budget	Expenses (excluding this request)	Expenses This Request	Balance After Draw
A18-014	3,066,988.00	1,115,490.92	256,985.69	1,694,511.39
Local Funds	-	-	-	-
Funding Source #3	-	-	-	-
Funding Source #4	-	-	-	-
Funding Source #5	-	-	-	-
Funding Source #6	-	-	-	-
Funding Source #7	-	-	-	-
Total	3,066,988.00	1,115,490.92	256,985.69	1,694,511.39

REQUIRED: Were any of the funds requested above paid to an MBE/WBE subcontractor? Yes

Complete DBE Form. Click here to access the form.

Submitter Name: Charles D. McCann II Submitter Phone #: 618-521-5421

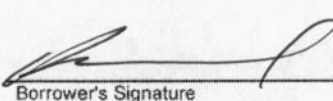
Sign here to verify that all AIS certifications for materials/equipment included in this draw have been received.


 (Project Engineer's Signature)

Marshall County Fiscal Court 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, Marshall County Fiscal Court hereby certifies that the following expenses were incurred in connection with the Project (SX 21157035) and that the Authority's 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.

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

 1/4/19
 Borrower's Signature Date

 1/3/19
 Project Administrator's Signature Date

Marshall County Fiscal Court
SX 21157035
Draw # 5

A18-014
1/3/19

PROJECT EXPENSES THIS DRAW REQUEST
(Include Invoices for Expenses Listed Below)

Draw #	Budget Line Items	Invoice #	Vendor	Amount
5	Administrative	11	Rivercrest Engineering, Inc	4,200.00
5	Engineering Fees - Construction	16	Rivercrest Engineering, Inc	2,800.00
5	Engineering Fees - Inspection	16	Rivercrest Engineering, Inc	11,404.37
5	Construction	5	Murtec Utility Services, LI	238,581.32

**Marshall County Sanitation District
Draffenville Sewer Expansion
Phase 1 thru 3
Progress Meeting Agenda
2:00 pm - Friday, January 4, 2019**

I. INTRODUCTION

- A. Project Owner – Marshall County Sanitation District
- B. Project Engineer – Rivercrest Engineering
- C. Project Inspection/Observation – Rivercrest Engineering
- D. Project Contractor – Murtco Utilities Services, LLC

II. ATTENDEES

- A.
- B.
- C.
- D.
- E.

III. PROJECT TIMELINE

- A. Notice to Proceed Date – Start on or before Monday, August 20, 2018
- B. Project Completion – 240 calendar days
- C. Liquidated Damages - \$500 / day
- D. Main Lift Station No. 1 wet well and valve vault structures are installed
- E. Lift Station No. 2 – Steeplechase, including electrical controls have been installed but not tested
- F. Partial Sewer Line A - gravity from the main lift station out to U.S. 641 and up the hill to near Stonebridge
- G. Sewer Line C – gravity sewer main from Steeplechase lift station south to Billy Watkins Road has been installed
- H. Sewer Line F – gravity, Steeplechase lift station north towards Draffen Floor Covering is nearing completion
- I. Sewer Line H – gravity, main lift station across US 641 to MCHS property and across the property, east to a point near the school tennis courts
- J. Force Main A - approximately 55% complete from the treatment plant back to near Billy Watkins Road.
- K. Murtco's anticipated schedule and/or work plan for next month:
 - 1.
 - 2.
 - 3.
- L. Estimated Percent Complete as of January 4th - _____

IV. DISCUSSION ITEMS

- A. Discuss contractor's plans/schedule for completing bores on Line A and Line H
- B. Schedule for repair of Sewer Line A at Lift Station No. 1 site
- C. Construction of Sewer Line I to MCHS treatment facility
 - Discuss/coordinate with MCHS on completion or deletion of this line from the contract

V. CONSTRUCTION ITEMS

- A. Maintenance of Traffic – Proper traffic control and signage must be in place when working near roadway. Flagger signs are being placed along US 641 during ingress & egress of heavy equipment. Remove when not needed. – traffic control has been satisfactory to date.
- B. Verify existing utility locations/depths ahead of boring operations, gravity sewer, and force main installations.
 - 1. This continues to go well.
- C. Backfill driveway crossings with mechanically compacted DGA. It is the Contractor's responsibility to maintain DGA areas and address settlement through winter months until paving work can be completed and/or contract warranty period is complete.
- D. The Owner and Engineer will expect the project areas to be kept in a clean orderly manner. We have not been made aware of any complaints to date.
- E. Construction practices must be in accordance with all OSHA regulations.
- F. Maintain silt fencing and straw bale ditch checks.
- G. As-Built Drawings must be kept up to date and verified by the Owner prior to issuance of periodic partial payment requests – Review Contractor's Drawings.

VI. TESTING AND INSPECTION

- A. Rivercrest will continue to provide field inspection services for the project, logging daily progress, preparing inspection reports, collecting photos, assisting with measurements for as-builts, assisting with interpretation of plans/specs, and coordination with engineer and owner.
- B. Contractor's plan for gravity sewer and manhole testing – will continue based on weather days

VII. PROJECT PLAN REVIEW

- A. Plan Review (as needed)
- B. Spec Review (as needed)

VIII. ADDITIONAL DISCUSSION