



April 30, 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. 9
Recommendation for Payment
Draffenville Sewer Expansion Phases 1-3
Draffenville, Marshall County, Kentucky**

Judge Neal,

We have received and reviewed the ninth 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 **\$73,869.74**, for the work completed and materials stored through April 26, 2019. This includes a 5% retainage.

To date, Murtco has installed the following items:

- a) Main Lift Station No. 1 wet well and valve vault structures with portion of mechanical site piping and grade work
- b) Steeplechase Lift Station No. 2 – final testing is pending completion of the sewer line work,
- c) Partial Sewer Line A - gravity sewer main from lift station No. 1 out to U.S. 641 and up the hill to near completion behind homes on Billy Watkins Road,
- d) Sewer Line B – gravity sewer from Line A to residences south of Billy Watkins Road,
- e) Sewer Line C – gravity sewer main from Steeplechase lift station south to Billy Watkins Road,
- f) Sewer Line D – gravity sewer from Billy Watkins Road to King Bros,
- g) Sewer Line E – gravity sewer east of US 641 and north of High School Road,
- h) Sewer Line F – gravity sewer - Steeplechase lift station east to car lot south of Steeplechase,
- i) Sewer Line G – gravity sewer main from Steeplechase Lane north to Draffen Floor Covering,
- j) Sewer Line H – gravity sewer main from main lift station No. 1 across US 641 to MCHS property and across the property, east and north across U.S. Hwy 68,
- k) Sewer Line I – work has not yet begun on this section,
- l) Force Main A – this line has now been 100% installed and pressure tested.

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 April 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 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

EXHIBIT B

REQUEST FOR REIMBURSEMENT AND PROJECT STATUS REPORT

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

Date: May 1, 2019
 KIA Loan #: A18-014

Project Status: On Schedule

Draw Number: 9
 Funds Requested: \$93,765.89

Project Budget and Expenses

Cost	Project Budget	Expenses (excluding this request)	Expenses This Request	Balance After Draw
Administrative	56,500.00	35,600.00	2,400.00	18,500.00
Legal	-	-	-	-
Land/Appraisals/Easements/Rights of Way	36,700.00	33,900.00	-	2,800.00
Relocation Expense	-	-	-	-
Planning	9,600.00	9,600.00	-	-
Engineering Fees - Design	100,700.00	93,900.00	-	6,800.00
Engineering Fees - Construction	53,600.00	31,190.00	3,220.00	19,190.00
Engineering Fees - Inspection	108,000.00	86,434.16	11,796.15	9,769.69
Engineering Fees - Other	45,800.00	43,000.00	2,480.00	320.00
Construction	2,390,088.00	1,746,092.28	73,869.74	570,125.98
Equipment	-	-	-	-
Contingency	266,000.00	-	-	266,000.00
Other	-	-	-	-
Total	3,066,988.00	2,079,716.44	93,765.89	893,505.67

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	2,079,716.44	93,765.89	893,505.67
Local Funds	-	-	-	-
Funding Source #3	-	-	-	-
Funding Source #4	-	-	-	-
Funding Source #5	-	-	-	-
Funding Source #6	-	-	-	-
Funding Source #7	-	-	-	-
Total	3,066,988.00	2,079,716.44	93,765.89	893,505.67

REQUIRED: Were any of the funds requested above paid to an MBE/WBE subcontractor? No

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.

CEL
 (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.

[Signature]
 Borrower's Signature

5/2/19
 Date

[Signature] 5/1/19
 Project Administrator's Signature Date

Marshall County Fiscal Court
SX 21157035
Draw # 9

A18-014
5/1/19

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

Draw #	Budget Line Items	Invoice #	Vendor	Amount
9	Administrative	15	Rivercrest Engineering, Inc	2,400.00
9	Engineering Fees - Construction	20	Rivercrest Engineering, Inc	3,220.00
9	Engineering Fees - Inspection	20	Rivercrest Engineering, Inc	11,796.15
9	Construction	9	Murtco Utility Services, LI	73,869.74
9	Engineering Fees - Other	20	Rivercrest Engineering, Inc	2,480.00

PROJECT BUDGET

Borrower: Marshall County Fiscal Court
 WX/SX Number: SX 21157035
 KIA Loan #: A18-014

[Click here to go back to Instructions.](#)

Budget Dates:	1/1/2018 Preliminary Budget	6/8/2018 As Bid Budget	10/1/2018 Revised Budget	12/3/2018 Revised Budget	1/3/2019 Revised Budget	4/30/2019 Revised Budget	4/30/2019 Current Budget	Expenses to Date	Balance
Cost									
Administrative	55,000.00	55,000.00	55,000.00	55,000.00	55,000.00	56,500.00	56,500.00	38,000.00	18,500.00
Legal	-	-	-	-	-	-	-	-	0.00
Land/Appraisals/Easements/Rights of Way	75,000.00	-	33,900.00	33,900.00	33,900.00	36,700.00	36,700.00	33,900.00	2,800.00
Relocation Expense	-	-	-	-	-	-	-	-	0.00
Planning	9,600.00	9,600.00	9,600.00	9,600.00	9,600.00	9,600.00	9,600.00	9,600.00	0.00
Engineering Fees - Design	78,900.00	78,900.00	93,900.00	93,900.00	93,900.00	100,700.00	100,700.00	93,900.00	6,800.00
Engineering Fees - Construction	45,000.00	45,000.00	45,000.00	45,000.00	45,000.00	53,600.00	53,600.00	34,410.00	19,190.00
Engineering Fees - Inspection	96,000.00	96,000.00	96,000.00	96,000.00	96,000.00	108,000.00	108,000.00	98,230.31	9,769.69
Engineering Fees - Other	76,900.00	76,900.00	43,000.00	43,000.00	43,000.00	45,800.00	45,800.00	45,480.00	320.00
Construction	2,391,444.00	2,107,760.00	2,107,760.00	2,122,690.00	2,160,088.00	2,390,088.00	2,390,088.00	1,819,962.02	570,125.98
Equipment	-	-	-	-	-	-	-	-	0.00
Contingency	239,144.00	597,828.00	582,828.00	567,898.00	530,500.00	266,000.00	266,000.00	-	266,000.00
Other	-	-	-	-	-	-	-	-	0.00
Total	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	2,173,482.33	893,505.67

Funding Sources

A18-014
 Local Funds
 Funding Source #3
 Funding Source #4
 Funding Source #5
 Funding Source #6
 Funding Source #7

	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	2,173,482.33	893,505.67
Local Funds	-	-	-	-	-	-	-	-	-
Funding Source #3	-	-	-	-	-	-	-	-	-
Funding Source #4	-	-	-	-	-	-	-	-	-
Funding Source #5	-	-	-	-	-	-	-	-	-
Funding Source #6	-	-	-	-	-	-	-	-	-
Funding Source #7	-	-	-	-	-	-	-	-	-
Total	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	2,173,482.33	893,505.67

Use the space below for notes related to change orders and/or budget revisions.

Budget was revised to reflect easement negotiation/acquisition costs and to add Engineering required for the lift station redesign.	Budget was revised to reflect modification to proposed culvert pipe, pumps and controls for consistency with District standards.	Budget was revised to reflect the addition of a pay item for 10-inch SDR 26 sewer piping at depths of 0-10 feet. A new unit price was required as the original bid included only 10-15 foot depths of installation for this type of piping.	Budget was revised to reflect scope of work added to the contract for using a portion of the residual funds to extend sewers for elimination of another package WWTP.
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APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF 1 OF 1

OWNER MARSHALL CO FISCAL COURT
DRAFFENVILLE SEWER EXPANSION PHASES 1-3

APPLICATION NO: 9 ✓

Distribution to:

☐ OWNER
☒ ENGINEER
☐ CONTRACTOR

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

PERIOD TO: 20
4/29/2019

PROJECT NOS: A18-04

CONTRACT DATE: 7/26/18

CONTRACT 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 \$ 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) \$ \$ 1,915,749.50
5 RETAINAGE:
a % of Completed Work \$ \$ 95,787.48
(Column D + E on G703)
b % of Stored Material \$
(Column F on G703)
Total Retainage (Lines 5a + 5b or
Total in Column I of G703) \$ \$ (95,787.48)
6 TOTAL EARNED LESS RETAINAGE \$ \$ 1,819,962.03
(Line 4 Less Line 5 Total)
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) → \$ \$ (1,746,092.28) ✓
8 CURRENT PAYMENT DUE \$ \$ 73,869.74 *
9 BALANCE TO FINISH, INCLUDING RETAINAGE \$ 244,338.50
(Line 3 less Line 6)

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	\$0.00
NET CHANGES by Change Order	\$52,328.00	

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.

CONTRACTOR:

By [Signature] Date: 4/29/19
State of KY County of
Subscribed and sworn to before me this 29 day of April 2019
Notary Public: [Signature]
My Commission expires 9/19/2022



ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Engineer certifies to the Owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED

AMOUNT CERTIFIED \$ 73,869.74

(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 [Signature] Date: 4/29/19

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 ©1992

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 DRAFFENVILLE SEWER EXPANSION PHASES 1-3
EXAMPLE INVOICING SPREADSHEET WITH STORED MATERIALS CALCULATIONS

APPLICATION # 9
APRIL 2019

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-26 PVC Gravity Sewer (15' Deep)	1 f	190	\$68.00	\$12,920.00	178			\$0.00	178	\$12,104.00
2	10" SDR-26 PVC Gravity Sewer (10-15' Deep)	1 f	1,000	\$52.00	\$52,000.00	1524			\$0.00	1524	\$79,248.00
3	10" SDR-35 PVC Gravity Sewer (0-10' Deep)	1 f	960	\$43.00	\$41,280.00	170			\$0.00	170	\$7,310.00
4	10" RJ/PVC Gravity Sewer (w/in Encasement)	1 f	435	\$42.00	\$18,270.00	356			\$0.00	356	\$14,952.00
5	8" SDR-26 PVC Gravity Sewer (10-15' Deep)	1 f	1,625	\$46.00	\$74,750.00	2125			\$0.00	2125	\$97,750.00
6	8" SDR-35 PVC Gravity Sewer (0-10' Deep)	1 f	6,365	\$38.00	\$241,870.00	4903		1,462	\$5,263.20	4903	\$186,314.00
7	8" RJ/PVC Gravity Sewer (w/in Encasement)	1 f	705	\$35.00	\$24,675.00	640			\$0.00	640	\$22,400.00
8	8" DR-11 HDPE Force Main (Trench)	1 f	5,910	\$36.00	\$212,760.00	5002	1009	(101)	\$0.00	6011	\$216,396.00
9	8" DR-11 HDPE Force Main (HDD)	1 f	980	\$57.00	\$55,860.00	880		100	\$1,500.00	880	\$50,160.00
10	2" DR-11 HDPE Force Main (Trench)	1 f	60	\$12.00	\$720.00	58				58	\$696.00
11	6" PVC Service Lateral	1 f	760	\$46.00	\$34,960.00	1022				1022	\$47,012.00
12	20" Steel Encasement (Bore & Jack)	1 f	240	\$370.00	\$88,800.00	250				250	\$92,500.00
13	20" Steel Encasement (Stream Crossing)	1 f	100	\$100.00	\$10,000.00	100				100	\$10,000.00
14	16" Steel Encasement (Bore & Jack - 8" Sewer)	1 f	620	\$385.00	\$238,700.00	620				620	\$238,700.00
15	4' Diameter Precast Concrete Manhole (15' Deep)	each	1	\$4,875.00	\$4,875.00	2				2	\$9,750.00
16	4' Diameter Precast Concrete Manhole (10-15' Deep)	each	17	\$4,060.00	\$68,020.00	20				20	\$81,200.00
17	4' Diameter Precast Conc. Drop Manhole (10-15' Deep)	each	3	\$6,890.00	\$20,670.00	3				3	\$20,670.00
18	4' Diameter Precast Concrete Manhole (4-10' Deep)	each	33	\$3,500.00	\$115,500.00	27				27	\$94,500.00
19	4' Diameter Precast Conc. Drop Manhole (4-10' Deep)	each	1	\$5,615.00	\$5,615.00	1				1	\$5,615.00
20	2" Air Release Valve & Vault	each	6	\$4,370.00	\$26,220.00	3				3	\$13,110.00
21	Cleanout Assembly	each	39	\$750.00	\$29,250.00	46				46	\$34,500.00
22	Core Drill Existing Wet Well/Manhole	l. sum	2	\$1,210.00	\$2,420.00	1				1	\$1,210.00
23	Reconnect Existing Sewer Service	each	1	\$1,200.00	\$1,200.00	0				0	\$0.00
24	Tie Existing Sewer to Proposed Manhole	each	1	\$1,150.00	\$1,150.00	0				0	\$0.00
25	Class III Channel Lining (w/ Geotextile Fabric)	s.y.	330	\$44.00	\$14,520.00	138				138	\$6,072.00
26	Landscaping & Seeding	l. sum	1	\$110,370.00	\$110,370.00	0.3				0.3	\$33,111.00
27	Select Fill	tons	2,355	\$21.00	\$49,455.00	2465.77	99.53			2565.3	\$53,871.80
28	Concrete Class B Thrustblocking	c.y.	6	\$150.00	\$900.00	8				8	\$1,200.00
29	Concrete Driveway Replacement	s.y.	20	\$64.00	\$1,280.00	0				0	\$0.00
30	Asphalt Driveway/Roadway Replacement	tons	146	\$195.00	\$28,470.00	0				0	\$0.00
31	Clearing & Grubbing	l. sum	1	\$33,545.00	\$33,545.00	1				1	\$33,545.00
32a	MCHS LS No. 1 - 270gpm Duplex Lift Station	l. sum	1	\$205,890.00	\$205,890.00	0.65	0.25			0.9	\$185,301.00
32b	MCHS LS No. 1 - Electrical (Includes Generator)	l. sum	1	\$69,350.00	\$69,350.00	0.25				0.25	\$17,337.50
32c	MCHS LS No. 1 - Site Grading, DGA, Culvert & Risers	l. sum	1	\$14,910.00	\$14,910.00	0.75	0.10			0.85	\$12,678.50
32d	MCHS LS No. 1 - Site Fencing & Gate	l. sum	1	\$14,210.00	\$14,210.00	0				0	\$0.00
33a	Steeple Chase LS No. 2 - 50gpm Duplex Lift Station	l. sum	1	\$45,925.00	\$45,925.00	1				1	\$45,925.00
33b	Steeple Chase LS No. 2 - Electrical	l. sum	1	\$20,300.00	\$20,300.00	1				1	\$20,300.00
33c	Steeple Chase LS No. 2 - Site Grading & DGA	l. sum	1	\$3,560.00	\$3,560.00	1				1	\$3,560.00
33d	Steeple Chase LS No. 2 - Site Fencing & Gate	l. sum	1	\$8,480.00	\$8,480.00	1				1	\$8,480.00
34	Mobilization/Demobilization	l. sum	1	\$7,850.00	\$7,850.00	0.5				0.5	\$3,925.00
35	Bonds & Insurance	l. sum	1	\$52,980.00	\$52,980.00	1				1	\$52,980.00
36	Erosion & Sediment Control	l. sum	1	\$42,280.00	\$42,280.00	1				1	\$42,280.00
CO 01	24" CMP Upgrade	l. sum	1	\$1,150.00	\$1,150.00	1				1	\$1,150.00
CO 02	MCHS LS No. 1 - Pump & Control Material Changes	l. sum	1	\$5,230.00	\$5,230.00	1				1	\$5,230.00
CO 03	Steeple Chase LS No. 2 - Pump & Control Material Changes	l. sum	1	\$8,550.00	\$8,550.00	1				1	\$8,550.00
CO 04	10" SDR-26 PVC Gravity Sewer (0-10' Deep) Installed DEC	1 f	813	\$46.00	\$37,398.00	813				813	\$37,398.00
JOB TOTALS					\$2,160,088.00				\$6,763.20		\$1,908,966.30

SUMMARY

A	Total Contract Amount with Change Orders	\$2,160,088.00
B	Total Stored to Date (Total of Column J)	\$6,763.20
C	Total Completed & Stored to Date (Column J + Column L)	\$1,915,749.50
D	Total Retainage (5%)	\$95,787.48
E	Amount Paid Previously	\$1,746,092.28
F	Current Invoice Amount (Items C - Items D & E)	\$79,869.74

NOTES

COLUMN I	THIS VALUE IS CALCULATED USING THE BID AMOUNT LESS THE AMOUNTS INSTALLED
COLUMN J	THIS VALUE IS CALCULATED BASED ON THE STORED AMOUNT SHOWN IN COLUMN I MULTIPLIED BY THE MATERIAL UNIT PRICE PAID FROM THE INVOICE INCLUDING TAX



Professional Services Invoice

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

Invoice No. 20
Invoice Date: May 1, 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: 3/30/2019 through 4/26/2019

Professional Service Invoice Type:

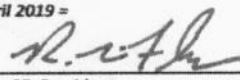
Lump Sum & Hourly	354,400.00
Lump Sum - Des thru Proc	165,400.00 - Approved at 8/2/17 MCFC Meeting
Hourly - Const Eng & Obs	141,000.00 - Approved at 2/20/18 MCFC Meeting
Lump Sum - CM #1 - LStation	15,000.00 - Contract Mod #1 Approved 6/18/18 by Signed Proposal Letter
Lump Sum - CM #2 - Grav. Ext to WWTP	33,000.00 - Contract Mod #2 Approved 4/8/19 @ MCFC Meeting

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
7	Cont Mod #2 - Gravity Extension Sycamore Cr to WWTP	12,400.00		20%	\$2,480.00

Subtotal Lump Sum Services	149,800.00		93%	\$139,880.00
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	151.5	1261	\$94,537.50
Hourly - Des. Rate	90.00		22	\$1,980.00
Hourly - PM Rate	115.00	28.0	282	\$32,430.00
Direct Expense - Mileage	0.59	735	6259	\$3,692.81
Approved HRly Amt.	161,600.00		82.1%	\$132,640.31
* Initial Fee Est. based on 32 Week Construction Period				
Amount Earned to Date				\$315,520.31
Less Amount Previously Invoiced				\$298,024.16
Amount Due this Invoice				\$17,496.15

Service fees due for professional services rendered in April 2019 =

\$17,496.15


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	\$12,934.66	1/12/2019	0	\$0.00
16	January 3, 2019	\$14,204.37	\$14,204.37	1/25/2019	0	\$0.00
17	February 1, 2019	\$19,137.43	\$19,137.43	2/21/2019	0	\$0.00
18	March 4, 2019	\$15,327.94	\$15,327.94	3/25/2019	0	\$0.00
19	April 1, 2019	\$15,579.51	\$15,579.51	4/26/2019	0	\$0.00
20	May 1, 2019	\$17,496.15			0	\$17,496.15



Professional Services Invoice

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

Invoice No. 15
Invoice Date: May 1, 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:

3/30/2019

through

4/26/2019

* Services Approved at 10/17/17 MCFC Meeting

* *Contract Mod Services approved at 4/8/19 MCFC Mtg - Part of \$34,500 Cont Mod #2 for Gravity Ext to WWTP

Professional Service Invoice Type:

Lump Sum Amt Approved	56,500.00
Original Approved Amount	55,000.00
Contract Mod - Gravity Ext	1,500.00

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	8%	90%	\$27,000.00
4	Project Closeout Phase	12,000.00		0%	\$0.00
5	Contract Mod - Gravity Ext Sycamore Cr to WWTP	1,500.00		0%	\$0.00

Subtotal Lump Sum Services	53,000.00		72%	\$38,000.00
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				\$38,000.00
Less Amount Previously Invoiced				\$35,600.00
Amount Due this Invoice				\$2,400.00

Service fees due for professional services rendered in April 2019 =

\$2,400.00

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	\$3,600.00	1/12/2019	0	\$0.00
11	January 3, 2019	\$4,200.00	\$4,200.00	1/25/2019	0	\$0.00
12	February 1, 2019	\$2,400.00	\$2,400.00	2/21/2019	0	\$0.00
13	March 4, 2019	\$2,400.00	\$2,400.00	3/25/2019	0	\$0.00
14	April 1, 2019	\$3,000.00	\$3,000.00	4/26/2019	0	\$0.00
15	May 1, 2019	\$2,400.00			0	\$2,400.00

**Marshall County Sanitation District
Draffenville Sewer Expansion
Phase 1 thru 3
Progress Meeting Minutes**

A monthly progress meeting was held for this project on Thursday, May 2, 2019, at 1:00 pm (local time). The meeting was held at the contractor's office trailer off of Billy Watkins Road. This meeting agenda was provided to all attendees – any additional items of discussion have been included below in italics.

I. ATTENDEES

- A. Randy Green, Chairman MCSD
- B. Keith Murt Jr., Murtco Utility Services, LLC
- C. Michael English, Murtco
- D. Darwin Belt, Rivercrest
- E. Charles McCann, Rivercrest

II. PROJECT TIMELINE – STATUS SUMMARY OF COMPLETED ITEMS

- A. Main Lift Station No. 1 wet well and valve vault structures with portion of mechanical site piping and grade work
- B. Steeplechase Lift Station No. 2 – final testing is pending completion of the sewer line work,
- C. Sewer Line A - gravity sewer main from lift station No. 1 out to U.S. 641 and up the hill to behind homes on Billy Watkins Road,
- D. Sewer Line B – gravity sewer from Line A to residences south of Billy Watkins Road,
- E. Sewer Line C – gravity sewer main from Steeplechase lift station south to Billy Watkins Road,
- F. Sewer Line D – gravity sewer from Billy Watkins Road to King Bros,
- G. Sewer Line E – gravity sewer east of US 641 and north of High School Road,
- H. Sewer Line F – gravity sewer - Steeplechase lift station east to car lot south of Steeplechase,
- I. Sewer Line G – gravity sewer main from Steeplechase Lane north to Draffen Floor Covering,
- J. Sewer Line H – gravity sewer main from main lift station No. 1 across US 641 to MCHS property and across the property, east and north across U.S. Hwy 68,
- K. Sewer Line I – work has not yet begun on this section,
- L. Force Main A – this line has now been 100% installed and pressure tested.
- M. Murtco's anticipated schedule and/or work plan for May:
 - 1. Currently completing work on force main connection and air release valve installations
 - 2. *Complete lift station mechanical piping work*
 - 3. *Complete electrical work at LSI*
 - 4. *Complete Landscaping and Seeding work*
 - 5. *Perform final testing and start up of lift stations*
- N. Estimated Percent Complete as of April 26th - **93%**

III. DISCUSSION ITEMS

- A. Sewer Line A repair has been completed.
- B. Portions of Lines A & H were jetted last week, and debris (soil and rock) were satisfactorily removed from the wet well. Murtco staff confirmed with use of a push camera by entering several manholes.
- C. Construction of Sewer Line I to MCHS treatment facility – scheduled for completion following work at the lift station No. 1 site.

- D. Check connectivity of tracer wire on force main lines to ensure positive locates for the District
 - *Murtco to coordinate with Lyndall for completion of this work: will prioritize for the next week*
- E. Discussion of sewer extension from lift station south to trailer park.
 - *Rivercrest has completed survey and development of design plan/profile. District is accepting of the approach.*
 - *Core drill of lift station and depth of excavation may delay the completion of the electrical and site restoration work at the site.*
 - *Anticipate receiving direction from KIA next week on moving forward with the complete scope for this extension.*
 - *Murtco to check with manhole precastor for availability of manhole materials.*
 - *Rivercrest to prepare easement documents for negotiations with property owners.*

IV. CONSTRUCTION ITEMS

- A. Murtco to flush sewer lines from Lift Station 2 to MH C-2 and from LS 2 to MH F-4 as silt was viewed in these lines. There does not appear to be any concern with the integrity of the lines, just residual from construction.
- B. 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.
- C. 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.
- D. Construction practices must be in accordance with all OSHA regulations.
- E. Maintain silt fencing and straw bale ditch checks.
- F. Cleanup, seeding, restoration needs to be a focus this next month to promote project and stands of grass.
- 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.

V. TESTING AND INSPECTION

- A. As of this date, all sewer line low pressure air testing has been completed and passed.
- B. As of this date, all manholes have been vacuum tested and passed with exception of 2 (MH A & MH H-1)
- C. As of this date, all sewer line mandrel testing has been completed and passed with exception of lift station site.
- D. Upon completion of the necessary work items, both lift stations will need to be performance tested (i.e. pump rotation/load/drawdown testing, electrical, generator, etc.)
- E. 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.

VI. PROJECT PLAN REVIEW

- A. Plan Review (as needed)

VII. ADDITIONAL DISCUSSION

- *After review of the project area, some driveways need to be addressed with DGA top dressing. Some excess rock will be found when excavating driveways for asphalt placement.*
- *MCHS coordination needed for restoration of 3-4 foot wide sod strip on soccer field*
- *Once system is online, Murtco should complete the connection for Steeplechase development*

Meeting adjourned at approximately 2:00 pm