



December 3, 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. 4  
Recommendation for Payment  
Draffenville Sewer Expansion Phases 1-3  
Draffenville, Marshall County, Kentucky**

Judge Neal,

We have received and reviewed the fourth 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 **\$207,898.78**, for the work completed and materials stored through November 30, 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) Sewer Line C – gravity sewer main from Steeplechase lift station south to Billy Watkins Road – these sewers and manholes have been installed, but have not yet been tested for service,
- 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 and up to the second manhole near the soccer field,
- f) 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

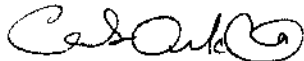
- a) Copies of Rivercrest's November invoices for engineering and loan admin services (for approval)
- b) KIA Funding "Exhibit B" Draw Request Form (**requires signature**)

- c) Change Order No. 1 – This includes improvements to the culvert at the Lift Station No. 1 site, along with pump and control upgrades at each of the 2 lift station sites to standardize them with the Sanitation District's other equipment. **(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

**APPLICATION AND CERTIFICATION FOR PAYMENT**

**AIA DOCUMENT G702**

PAGE ONE OF 1 OF 1

OWNER: MARSHALL CO. SANITATION  
DRAFFENVILLE SEWER

APPLICATION NO. 4

Distribution to:

OWNER  
ARCHITECT/ENGINEER  
CONTRACTOR

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

PERIOD TO 11/30/2018

PROJECT NOS. A18-04

CONTRACT FOR:

CONTRACT DATE: 7/26/18

**CONTRACTOR'S APPLICATION FOR PAYMENT**

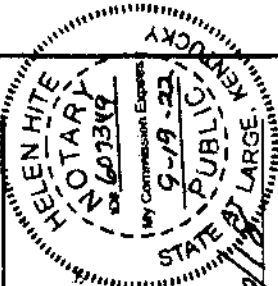
Application is made for payment, as shown below, in connection with the Contract continuation Sheet, AIA Document G703, is attached.

1 ORIGINAL CONTRACT SUM	\$	2,107,760.00
2 Net change by Change Orders	\$	14,910.00
3 CONTRACT SUM TO DATE (Line 1 + 2)	\$	2,122,670.00
4 TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	953,462.22
5 RETAINAGE	\$	95,346.22
6 Total Retainage (Lines 3a + 5b or Total in Column I of G703)	\$	95,346.22
7 TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	858,116.01
8 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	650,217.23
9 CURRENT PAYMENT DUE	\$	207,898.78
10 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 to 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: 11/30/2018  
County of: NOV 2018  
State of: KY  
Subscribed and sworn to before me this 30 day of NOV 2018  
Notary Public: *[Signature]*  
My Commission Expires: 9/19/2022



**ARCHITECT'S CERTIFICATE FOR PAYMENT**

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect'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 \$ 207,898.78

(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.)

ARCHITECT/ENGINEER: *[Signature]* Date: 12/13/18

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.

THE AMERICAN INSTITUTE OF ARCHITECTS 1735 NEW YORK AVE. N.W. WASHINGTON, DC 20006-3792

AIA DOCUMENT G702 APPLICATION AND CERTIFICATION FOR PAYMENT 1987 EDITION AIA G702

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.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$14,930.00	
Total approved this Month	\$14,930.00	\$0.00
TOTALS	\$14,930.00	\$0.00
NET CHANGES by Change Order	\$14,930.00	





# Professional Services Invoice

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

**Invoice No.:** 10  
**Invoice Date:** December 3, 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:** 11/3/2018 through 11/30/2018  
\* 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	12%	42%	\$12,600.00
4	Project Closeout Phase	12,000.00		0%	\$0.00

<b>Subtotal Lump Sum Services</b>	<b>53,000.00</b>		<b>45%</b>	<b>\$23,600.00</b>
<b>L.S. Direct Expenses - Reprod/Mileage,etc</b>	<b>2,000.00</b>		<b>0%</b>	<b>\$0.00</b>
<b>Hourly Services</b>				
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. <span style="border: 1px solid black; padding: 2px;">0.00</span>				\$0.00
<b>Amount Earned to Date</b>				<b>\$23,600.00</b>
<b>Less Amount Previously Invoiced</b>				<b>\$20,000.00</b>
<b>Amount Due this Invoice</b>				<b>\$3,600.00</b>

**Service fees due for professional services rendered November 2018 = \$3,600.00**

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			63	\$3,300.00
9	November 2, 2018	\$2,700.00			0	\$6,000.00
10	December 3, 2018	\$3,600.00			0	\$9,600.00



# Professional Services Invoice

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

**Invoice No.** 15  
**Invoice Date:** December 3, 2018

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

**REI Project No.** 17009-02  
**Project Name:** MC San District  
 Sanitary Sewer Expansion  
 Phase 1  
 Draffenville, KY

**Service Dates:** 11/3/2018 through 11/30/2018

<b>Professional Service Invoice Type:</b>	<b>Lump Sum &amp; Hourly</b>	<b>321,400.00</b>
	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

<b>Subtotal Lump Sum Services</b>	<b>137,400.00</b>		<b>100%</b>	<b>\$137,400.00</b>
<b>L.S. Direct Expenses - Surv/Geo/Elec</b>	<b>43,000.00</b>		<b>100%</b>	<b>\$43,000.00</b>
<b>Construction Phase Services - Hourly T&amp;M</b>				
Hourly - Tech. Rate	75.00	108.5	485	\$36,337.50
Hourly - Des. Rate	90.00		17	\$1,530.00
Hourly - PM Rate	115.00	38.0	121	\$13,915.00
<b>Direct Expense - Mileage</b>	<b>0.59</b>	<b>724</b>	<b>2699</b>	<b>\$1,592.41</b>
<b>Approved HRLY Amt.</b>	<b>141,000.00</b>		<b>37.9%</b>	<b>\$53,374.91</b>
* Initial Fee Est. based on 32 Week Construction Period				
<b>Amount Earned to Date</b>				<b>\$233,774.91</b>
<b>Less Amount Previously Invoiced</b>				<b>\$220,840.25</b>
<b>Amount Due this Invoice</b>				<b>\$12,934.66</b>

*Service fees due for professional services rendered in November 2018 = \$12,934.66*

  
 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
15	December 3, 2018	\$12,934.66			0	\$47,264.37



**SECTION 00650**  
**CONTRACT CHANGE ORDER**

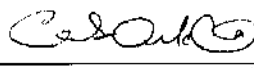
Change Order No. 1


Date:	30-Nov-18
Project:	MARSHALL COUNTY SANITATION DISTRICT SEWER EXPANSION - PHASES 1-3
Location:	DRAFFENVILLE, KY

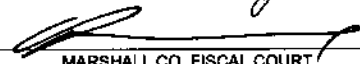
To: **MURTCO UTILITY SERVICES, LLC**  
**615 ABELL STREET**  
**PADUCAH, KENTUCKY 42003**

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" RJ/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	\$48.00	1,625	\$0
6.	8" SDR-35 PVC Gravity Sewer (0-10' Deep)	l.f.	6,365	\$38.00	6,365	\$0
7.	8" RJ/PVC Gravity Sewer (w/in Encasement)	l.f.	705	\$35.00	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	\$48.00	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 Throatblocking	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	0	\$1,150.00	1	\$1,150
CO 02	MCHS LS No. 1 - Pump & Control Material Changes	l. sum	0	\$5,230.00	1	\$5,230
CO 03	Steeple Chase LS No. 2 - Pump & Control Material Changes	l. sum	0	\$8,550.00	1	\$8,550
<b>Net Increase in Contract Price</b>						<b>\$14,930</b>
<b>TOTAL CONTRACT PRICE BEFORE THIS CHANGE</b>						<b>\$ 2,107,760.00</b>
<b>TOTAL CONTRACT PRICE AFTER THIS CHANGE</b>						<b>\$ 2,122,690.00</b>

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: 11/30/2018

Date: 11/30/18

Date: 12/4/2018

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

**Borrower:** Marshall County Fiscal Court      **Date:** December 3, 2018  
**WX/SX Number:** SX 21157035      **KIA Loan #:** A18-014

<b>Project Status:</b>	On Schedule
<b>Draw Number:</b>	4
<b>Funds Requested:</b>	\$224,433.44

Project Budget and Expenses

Cost	Project Budget	Expenses (excluding this request)	Expenses This Request	Balance After Draw
Administrative	55,000.00	20,000.00	3,600.00	31,400.00
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	11,075.00	4,370.00	29,555.00
Engineering Fees - Inspection	96,000.00	29,365.25	8,564.66	58,070.09
Engineering Fees - Other	43,000.00	43,000.00	-	-
Construction	2,122,690.00	650,217.23	207,898.78	1,264,573.99
Equipment	-	-	-	-
Contingency	567,898.00	-	-	567,898.00
Other	-	-	-	-
<b>Total</b>	<b>3,066,988.00</b>	<b>891,057.48</b>	<b>224,433.44</b>	<b>1,951,497.08</b>

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	891,057.48	224,433.44	1,951,497.08
Local Funds	-	-	-	-
Funding Source #3	-	-	-	-
Funding Source #4	-	-	-	-
Funding Source #5	-	-	-	-
Funding Source #6	-	-	-	-
Funding Source #7	-	-	-	-
<b>Total</b>	<b>3,066,988.00</b>	<b>891,057.48</b>	<b>224,433.44</b>	<b>1,951,497.08</b>

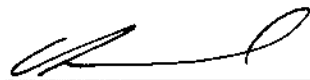
**REQUIRED: Were any of the funds requested above paid to an MBE/WBE subcontractor?**      No

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.

  
(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.

  
Borrower's Signature      12/04/2018 Date

  
Project Administrator's Signature      12/13/18 Date

Marshall County Fiscal Court  
SX 21157035  
Draw # 4

A18-014  
12/3/18

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

<b>Draw #</b>	<b>Budget Line Items</b>	<b>Invoice #</b>	<b>Vendor</b>	<b>Amount</b>
1	...	...	...	...
1	...	...	...	...
1	...	...	...	...
1	...	...	...	...

**PROJECT BUDGET**

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

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

Cost	Budget Dates:							Expenses to Date	Balance
	1/1/2018 Preliminary Budget	6/8/2018 As Bid Budget	10/1/2018 Revised Budget	12/3/2018 Revised Budget	[enter date] Revised Budget	12/3/2018 Current Budget	12/3/2018 Current Budget		
Administrative	55,000.00	55,000.00	55,000.00	55,000.00	-	-	23,800.00	31,400.00	
Legal	75,000.00	-	33,900.00	33,900.00	-	-	33,900.00	0.00	
Land/Appraisals/Easements/Rights of Way	-	-	-	-	-	-	-	0.00	
Relocation Expense	-	-	-	-	-	-	-	0.00	
Planning	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	0.00	
Engineering Fees - Construction	45,000.00	45,000.00	45,000.00	45,000.00	-	-	15,445.00	29,555.00	
Engineering Fees - Inspection	96,000.00	96,000.00	96,000.00	96,000.00	-	-	37,928.91	58,070.09	
Engineering Fees - Other	76,900.00	76,900.00	43,000.00	43,000.00	-	-	43,000.00	0.00	
Construction	2,391,444.00	2,107,760.00	2,107,760.00	2,122,690.00	-	-	858,116.01	1,284,573.99	
Equipment	-	-	-	-	-	-	-	0.00	
Contingency	239,144.00	597,828.00	582,828.00	567,898.00	-	-	-	567,898.00	
Other	-	-	-	-	-	-	-	0.00	
<b>Total</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>-</b>	<b>-</b>	<b>1,115,490.92</b>	<b>1,951,497.08</b>	

Funding Sources	1/1/2018 Preliminary Budget	6/8/2018 As Bid Budget	10/1/2018 Revised Budget	12/3/2018 Revised Budget	[enter date] Revised Budget	12/3/2018 Current Budget	12/3/2018 Current Budget	Expenses to Date	Balance
A18-014	3,066,988.00	3,066,988.00	3,066,988.00	3,066,988.00	-	-	3,066,988.00	1,115,490.92	1,951,497.08
Local Funds	-	-	-	-	-	-	-	-	-
Funding Source #3	-	-	-	-	-	-	-	-	-
Funding Source #4	-	-	-	-	-	-	-	-	-
Funding Source #5	-	-	-	-	-	-	-	-	-
Funding Source #6	-	-	-	-	-	-	-	-	-
Funding Source #7	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>3,066,988.00</b>	<b>-</b>	<b>-</b>	<b>3,066,988.00</b>	<b>1,115,490.92</b>	<b>1,951,497.08</b>

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.
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**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, November 29, 2018, at 2:00 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. 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. Kevin Neal, Judge Executive
- B. Randy Green, Chairman MCSD
- C. Keith Murt Jr., Murtco Utility Services, LLC
- D. Michael English, Murtco
- E. Darwin Belt, Rivercrest
- F. Charles McCann, Rivercrest

**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. Both Wet wells and valve vaults have been set.
- E. Sewer Line C has been installed and sewer lines have been tested.
- F. Contractor working on Sewer Lines A, D, F, and H.
- G. 8" Force main installed and tested from Sewer Plant to just south of Steeplechase Lift Station.
- H. Murtco's anticipated schedule and/or work plan for next month:
  - 1. *Subcontractor Cornerstone Boring is anticipated to return to the jobsite next week to proceed with work on the installation of the remaining 3 bores on Sewer Lines A & H.*
  - 2. *Murtco will continue to work on Sewer Line H and possibly move back over to Sewer Line A, depending on the work completed by Cornerstone.*
  - 3. *Anticipate Electrical subcontractor to mobilize to the Steeplechase lift station site next week to work on the installation of the electrical service and control panel installation during December.*
  - 4. *Landscaping & Seeding subcontractor to perform work over the next few weeks to address disturbed areas for protection during winter months.*
- I. Estimated Percent Complete as of November 29<sup>th</sup> - 45%

**IV. DISCUSSION ITEMS**

- A. Completion of long gravity bore on Sewer Line A – Discuss contractor's plans/schedule
  - *Cornerstone is working with drilling head manufacturer to obtain the correct drilling head for completing this bore. It is anticipated that they will receive this equipment in the next couple of weeks.*

- B. Schedule for repair of Sewer Line A at Lift Station No. 1 site
  - *Murtco is coordinating this work with other creek crossing work in this area. It is anticipated that this will be completed after the first of the year.*
- C. Sewer line testing and issue with pulled/separated joints
  - *Discussed options for reducing friction on sewer main and disturbance of the bedding during the movement of trench boxes: (1) focusing efforts on lifting boxes out of the bedding zone before moving up the line; (2) using wider trench box spacers (bolsters) to reduce pressure on the piping and bedding zone. Contractor will focus on this issue and use one or both of these methods to address the issue.*
- D. Force main installation and grade checks versus plan/profiles

#### V. CONSTRUCTION ITEMS

- A. Project Staking – OPG Surveying has completed the staking for the sewers for this project
  - *2 manholes remain to be staked along Sewer Line E north of High School Road.*
- 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.
  - *Contractor will address signage along US 68 when work progresses along the school property to this end of the sewer main and work areas.*
  - *Discussed the closure of Steeplechase Lane during installation of Sewer Line F. Contractor will need to close the road and provide temporary access around the work area as this is the only road into and out of the development.*
- C. Verify existing utility locations/depths ahead of boring operations, gravity sewer, and force main installations.
  1. This has been going well.
- D. 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.
- E. 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, however, we would recommend the use of a mechanical brush and water to clean roads along Billy Watkins loop and Steeplechase subdivision.
  - *Contractor plans to mobilize a sweeper with water feed attachment to clean off the roadways as work moves away from Steeplechase and Billy Watkins Road areas.*
- F. Construction practices must be in accordance with all OSHA regulations.
- G. Maintain silt fencing and straw bale ditch checks.
- H. 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**

- *Deadline for pay request submittals will be Monday, December 3<sup>rd</sup>. Cut-off date for quantities will be 11/29.*
- *Discussed need to add a sewer connection to Sewer Line A, coming out of the lift station site, to allow for sewer access to the double-side trailer/property behind the lift station site. Rivercrest will prepare an easement document for construction of a sewer lateral to serve this property. The Sanitation District will secure the easement for this line.*
- *Contractor asked if No. 7 stone could be used as an alternative to No. 9 stone bedding for the sewers. Contractor will have a load delivered to the site for review prior to acceptance.*
- *Sanitation District added that they have fielded no complaints from residents in the project areas, and that they are pleased with the work and the way the job is progressing.*

*The meeting adjourned at approximately 3:30 pm.*