



Cory Dysinger &lt;cory.dysinger@marshallcountky.gov&gt;

## Draffenville West Sewer Expansion Change Order Summary

Charles Mccann &lt;cmccann@rivercresteng.com&gt;

Tue, Nov 16, 2021 at 6:59 AM

To: "kevin.neal@marshallcountky.gov" &lt;kevin.neal@marshallcountky.gov&gt;

Cc: "thewoodshopky@gmail.com" &lt;thewoodshopky@gmail.com&gt;, Cory Dysinger &lt;cory.dysinger@marshallcountky.gov&gt;, "brad.warning@marshallcountky.gov" &lt;brad.warning@marshallcountky.gov&gt;

Good morning Judge,

I received a call from Monti Collins yesterday afternoon asking for clarification on the change order and final payment to Murtko. I didn't have my materials with me when he called, but I did my best to explain the changes required during construction that affected the final cost. I have a meeting in Calvert today at 9, and I will try to make it to Fiscal Court if at all possible to address any questions following that meeting. In the event I cannot make it, here is a breakdown to help with the explanation. Final Change Order 3 and the estimate presented in August are attached for reference:

1. This final change order does include the quantities and costs previously approved by the court for the line extension from Easy Street to Elwood Gordon (\$55,293.61). The Court previously approved the addition of this work to Murtko's contract. This change order simply adds those costs to the County's contract with Murtko.
2. This change order is specifically for construction, and does not include any adjustments to the previously approved engineering costs – approved by the Court in August. Rivercrest is not requesting any additional monies on this project. We have not yet submitted our final invoice to the court, but rest assured that those monies have already been approved and we will not invoice above that amount.
3. The additional **\$32,028.34** (\$87,321.95-\$55,293.61) comes from adjustments to the installed quantities that were required during construction for various reasons:
  - a. Inaccurate utility locates during the design phase resulted in overruns to the steel encasement quantities (Items 11 & 13)
  - b. During construction, a design/alignment change was requested by the District across the Thompson property, which added depth to the sewer main, required additional select fill, and also lengthened the sewer main and sewer lateral quantities (Items 1, 2, 9, & 24). *Rivercrest has not and will not be requesting additional monies for these additional design/surveying costs.*
  - c. During final inspections, the Fire Marshall required the addition of the 4" pipe bollards (CO Item 7). This is not typical for access controlled (fenced in) sites, but was added at their request.
  - d. Additional asphalt was required to restore larger than anticipated damaged pavement sections at Homer Lucas Lane, Elwood Gordon Drive, and the entrances across the Solomon property fronting Frankfort Road (Item 25)
  - e. Lastly, additional force main lengths were added at the wastewater treatment plant site to ease future construction conflicts and tie-in concerns in this congested area (Item 8).

I hope this helps to answer any questions. Please contact me this morning with any questions, and I'll do my best to make it to Court.

**Charles (Chad) D. McCann II, P.E.**

Project Manager

**RIVERCREST ENGINEERING, INC.**

7020 U.S. Hwy 68 W.

Paducah, KY 42003

(618) 521-5421 (m)



**SECTION 00650  
CONTRACT CHANGE ORDER**

Final Adjusting Change Order No. 3



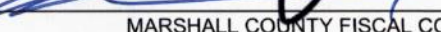
Date: **1-Nov-21**  
Project: **Draffenville West Sewer Expansion - Phase 1**

To: **MURTCO UTILITY SERVICES, LLC  
815 ABELL STREET  
PADUCAH, KY 42003**

Location: **Draffenville, KY**

ITEM	DESCRIPTION	UNITS	BID QTY.	INSTALLED QTY	UNIT PRICE BID	NET CHANGE IN TOTAL PRICE
1	10" SDR-26 PVC Gravity Sewer (15'+ Deep)	l.f.	690	765	\$ 72.00	\$ 5,400.00
2	10" SDR-35 PVC Gravity Sewer (10'-15' Deep)	l.f.	1,765	1,824	\$ 55.00	\$ 3,245.00
3	10" SDR-35 PVC Gravity Sewer (0'-10' Deep)	l.f.	730	599	\$ 50.00	\$ (6,550.00)
4	8" SDR-35 PVC Gravity Sewer (Stubout)	l.f.	45	53	\$ 48.00	\$ 384.00
5	8" SDR-35 PVC Gravity Sewer (0-10' Deep)	l.f.	120	633	\$ 46.00	\$ 23,598.00
6	8" RJ/PVC Gravity Sewer	l.f.	430	428	\$ 55.00	\$ (110.00)
7	6"DR11 IPS HDPE Force Main (w/in Encasement)	l.f.	760	770	\$ 53.00	\$ 530.00
8	6"DR11 IPS HDPE Force Main (Open Cut)	l.f.	150	197	\$ 125.00	\$ 5,875.00
9	6" PVC Lateral	l.f.	240	479	\$ 49.00	\$ 11,711.00
10	6" Cleanout Assembly	each	16	20	\$ 785.00	\$ 3,140.00
11	24" Steel Encasement (FM Bore & Jack - Purchase Parkway, incl. dual pipe casing spacers)	l.f.	380	385	\$ 460.00	\$ 2,300.00
12	16" Steel Encasement (Stream Crossing)	l.f.	40	50	\$ 125.00	\$ 1,250.00
13	16" Steel Encasement (Bore & Jack)	l.f.	390	395	\$ 385.00	\$ 1,925.00
14	4' Diameter Precast Concrete Manhole (15'+ Deep)	each	2	2	\$ 7,305.00	\$ -
15	4' Diameter Precast Concrete Manhole (10'-15' Deep)	each	5	5	\$ 6,635.00	\$ -
16	4' Diameter Precast Concrete Manhole (4'-10' Deep)	each	7	8	\$ 5,600.00	\$ 5,600.00
17	Frankfort Road Lift Station	l. sum	1	1	\$ 90,370.00	\$ -
18	Frankfort Rd L.S. Site Grading, 20' Entrance Road & DGA	l. sum	1	1	\$ 10,240.00	\$ -
19	Frankfort Rd L.S. Electrical	l. sum	1	1	\$ 50,370.00	\$ -
20	Frankfort Rd L.S. Site Fencing & Gate	l. sum	1	1	\$ 8,500.00	\$ -
21	Core Drill Existing Wet Well/Manhole	l. sum	1	1	\$ 1,450.00	\$ -
22	Class III Channel Lining (w/ Geotextile Fabric)	s.y.	200	200	\$ 48.00	\$ -
23	Concrete thrust blocking	c.y.	2	2	\$ 175.00	\$ -
24	Select Fill	tons	890	1,137	\$ 22.00	\$ 5,438.84
25	Asphalt Roadway/driveway replacement	tons	36	73	\$ 225.00	\$ 8,325.00
26	Landscaping & Seeding	l. sum	1	1	\$ 28,460.00	\$ -
27	Bonds & Insurance	l. sum	1	1	\$ 23,150.00	\$ -
28	Mobilization	l. sum	1	1	\$ 1,000.00	\$ -
CO Item 1	Bar Screen	l. sum	1	1	\$ 17,295.00	\$ -
CO Item 2	Additional Lateral Reconnects	l. sum	1	1	\$ 9,051.33	\$ -
CO Item 3	WWTP Tank Removal	l. sum	1	1	\$ 4,842.02	\$ -
CO Item 4	Lift Station Site Size Increase (For Bar Screen - Added DGA & Fencing)	l. sum	0	1	\$ 4,903.61	\$ 4,903.61
CO Item 5	Additional Landscaping & Seeding	l. sum	0	1	\$ 4,305.00	\$ 4,305.00
CO Item 6	Additional Clearing	l. sum	0	1	\$ 2,840.00	\$ 2,840.00
CO Item 7	4" Pipe Bollards (Lift Station Site)	l. sum	0	1	\$ 3,211.50	\$ 3,211.50
<b>Net Increase in Contract Price</b>						<b>\$ 87,321.95</b>
<b>TOTAL CONTRACT PRICE BEFORE THIS CHANGE</b>						<b>\$ 997,228.35</b>
<b>TOTAL CONTRACT PRICE INCLUDING THIS CHANGE</b>						<b>\$ 1,084,550.30</b>

The time provided for completion in the contract is to be extended by 29 days, making the contract end date October 29, 2021. This extension has been requested based upon the addition of Line C to the project from Easy Street to Elwood Gordon Drive. This document shall become an amendment to the contract and all provisions of the contract will apply thereto.

Recommended by:   
 Accepted by:   
 Approved by: 

Date: 11/1/2021  
 Date: **11/4/21**  
 Date: 11/16/2021

**DRAFFENVILLE WEST SEWER EXPANSION - PHASE 1**  
**for the Marshall County Fiscal Court / Sanitation District**  
**EASY STREET TO ELWOOD GORDON SEWER EXTENSION - ESTIMATE OF COST & CHANGE ORDER SUMMARY**  
**AUGUST 13, 2021**

BID ITEM	DESCRIPTION	UNIT	EXT QTY	MURTCO UNIT PRICE BID	TOTAL
5.	8" SDR-35 PVC Gravity Sewer (0-10' Deep)	l.f.	500	\$ 46.00	\$ 23,000.00
9.	6" PVC Lateral	l.f.	50	\$ 49.00	\$ 2,450.00
10.	6" Cleanout Assembly	each	5	\$ 785.00	\$ 3,925.00
16.	4' Diameter Precast Concrete Manhole (4'-10' Deep)	each	2	\$ 5,600.00	\$ 11,200.00
24.	Select Fill	tons	60	\$ 22.00	\$ 1,320.00
25.	Asphalt Roadway/driveway replacement	tons	6	\$ 225.00	\$ 1,350.00
CO Item	Additional Landscaping & Seeding	l. sum	1	\$ 4,305.00	\$ 4,305.00
CO Item	Additional Clearing	l. sum	1	\$ 2,840.00	\$ 2,840.00
<b>TOTAL CONSTRUCTION ESTIMATE = \$</b>					<b>50,390.00</b>
ADDITIONAL CHANGE ORDER ITEMS TO BE REQUESTED BY MURTCO (Water Service, Select Fill, Fencing for Lift Station Site) = \$					4,903.61
ADDITIONAL ENGINEERING & PART-TIME INSPECTION FOR 4 WEEKS CONSTRUCTION (To End of September) = \$					8,200.00
ADDITIONAL SURVEYING, ENGINEERING, EASEMENTS & PART-TIME INSPECTION FOR ADDED SEWER EXTENSION (To end of October) = \$					15,800.00
<b>TOTAL ESTIMATE OF ADDED COST TO PROJECT = \$</b>					<b>79,293.61</b>