

Date of Issuance:	October 01, 2024	Effective Date:	
Owner:	City of Jackson, Missouri	Owner's Ordinance No.:	Ord. No. 22-43
Contractor:	Robinson industrial, Heavy & Commercial Contracting, Inc. dba RHIC Contracting	Engineer's Project No.:	1721200
Engineer:	Horner & Shifrin, Inc.		

The Contract is modified as follows upon execution of this Change Order:

Description: Change Order No.03 REV_00 serves to aggregate multiple de minimis Work Change Directives issued during the duration of the project into one (1) single Contract Change Order. This Change Order also adjusts the final Construction Contract price based on final installed unit quantities. See Change Order No. 03 REV_00 Table 1, Table 2, and Table 3 for additional details. Finally, this Change Order adds the installation of an above-grade pump cable terminal box to the Scope of Work.

Attachments: CO_03_REV_00 Table 01; CO_03_REV_00 Table 02; CO_03_REV_00 Table 03; Cost Proposal #012

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: \$ 2,042,345.00	Original Contract Times: Substantial Completion: Wed. June 7, 2023 [n/a] Ready for Final Payment: Fri. July 7, 2023 [n/a] DATE [DAYS]
[Increase] Decrease from previously approved Change Orders: \$ (200,394.00) (Decrease)	Increase [Decrease] from previously approved Change Orders: Substantial Completion: +138 Days Ready for Final Payment: +138 Days DAYS
Contract Price prior to this Change Order: \$ 1,841,951.00	Contract Times prior to this Change Order: Substantial Completion: Mon. Oct. 23, 2023 [503] Ready for Final Payment: Wed. Nov. 22, 2023 [533] DATE [DAYS]
[Increase] Decrease of this Change Order: - (\$ 34,125.41) (Decrease)	Increase [Decrease] of this Change Order: Substantial Completion: +0 Days Ready for Final Payment: +373 Days DAYS
Contract Price incorporating this Change Order: \$ 1,807,825.59	Contract Times with all approved Change Orders: Substantial Completion: Mon. Oct. 23, 2023 [503] Ready for Final Payment: Fri. Nov. 29, 2024 [906] DATE [DAYS]

RECOMMENDED:

ACCEPTED:

ACCEPTED:

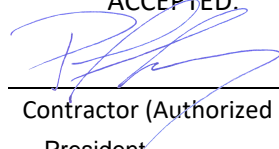
By: _____ Engineer (if required)	By: _____ Owner (Authorized Signature)	By:  Contractor (Authorized Signature)
Title: Project Engineer Horner & Shifrin, Inc.	Title: Public Works Director City of Jackson, Missouri	Title: President RIHC Contracting
Date: _____	Date: _____	Date: 10/2/24

Table No. 01 - Summary of Changes for Change Order No. 3 City of Jackson, Missouri H&S Project Number: 1721200 Kimbeland Pump Station Improvements				
TABLE NO. 01				
No.	Description	Reference Exhibit	Change to Contract Price	Justification/Comments
1	WCD #001: RFP #001; RFI #005; RFI #011; RFI #012	WCD 01	(\$4,890.17)	Work Change Directive authorizing Contractor to proceed with Work defined in RFP #001; RFI #005; RFI #011; RFI #012, and Contractor's CP #001; CP #002; CP #006; CP #007
4	RFP 001: Relocate bypass pumping portal connection outside of the Valve Vault.	CP #001 (7/26/2022)	\$605.93	
5	RFP 001: Labor to pour addtl thrust block	CP #001 (7/26/2022)	\$528.64	
6	RFP 001: Deduct material cost for Halliday ladder extension in VV	CP #001 (7/26/2022)	(\$175.00)	
6	RFI 009: Deduct access ladder in WW	CP #002 (07/28/2022)	(\$1,723.00)	
7	RFI 005: Change specification for 16"Ø from AWWA C151 CL56 w/ Protecto 401 lining to AWWA C151 CL53 w/ Permax CTF Lining per Contractor's email dated 08/11/2022.	Email S.Verseman 08/11/2022 CP #006	(\$3,908.00)	
8	RFI 011: Modify piping connections to existing 12"Ø force main, discovered to be 10"Ø in the field per Contractor's email dated 08/02/2022.	Email S.Verseman 08/02/2022 CP #007	(\$218.74)	
9	RFI 012: Relocate structure MH-3 and modify influent connection orientation to structure MH-2.	Email S.Verseman 08/02/2022	\$0.00	
10	SUB-TOTAL WCD #001:		(\$4,890.17)	
11	WCD #002: RFP #002; RFP #003	WCD 02	(\$3,150.00)	Work Change Directive authorizing Contractor to proceed with Work defined in RFP #002; RFP #003 and Contractor's CP #003; CP #004
12	RFP 002: Substitute submersible wastewater pumps for larger capacity pumps.	CP #003 (09/27/2022)	(\$2,200.00)	
13	RFP 003: Modify control panel specification to substitute pump VFDs for RVSS, addition of PLC analog I/O card and ISB, and substitute CompactLogix PLC for MicroLogix PLC	CP #004 (10/07/2022)	(\$950.00)	
14	SUB-TOTAL WCD #002:		(\$3,150.00)	
15	WCD #003: RFI #018	WCD 03	\$1,978.97	Work Change Directive authorizing Contractor to proceed with Work defined in RFI #018 and Contractor's CP #005 Additional cost to reconnect laterail at 1834 Kimbel Lane due to varying site conditions
16	RFI 018: Cut 1834 Kimbel Lane lateral at existing clean-out and reconnect to ex. 15"Ø force main upstream of MH-3	CP #005 (10/21/2022)	\$1,978.97	
17	SUB-TOTAL WCD #003:		\$1,978.97	
18	WCD #004: RFP #005	WCD 04	(\$929.00)	Work Change Directive authorizing Contractor to proceed with Work defined in RFP #005 and Contractor's CP #009
19	RFP 005: Eliminate pump control panel PLC from Scope of Project.	CP #009 (02/14/2023)	(\$929.00)	
20	SUB-TOTAL WCD #004:		(\$929.00)	
21	RFP #004: RFP #004	RFP #004; CP #008	\$857.21	Substitution of discharge piping components to accommodate pump installation in Wet Well. Work per RFP #004 and Contractor's CP #008
22	RFP 004: Pump Station Wet Well - pump discharge riser reducers	CP #008 (02/14/2023)	\$857.21	
23	SUB-TOTAL RFP #004:		\$857.21	
24	RFP #07: RFP#007	RFP #07; CP #011	(\$6,110.00)	Reduction of gravel drive restoration scope at 1525 Kimbeland Drive
25	RFP 07: Reduction of gravel drive restoration scope at 1525 Kimbeland Drive	CP #011 (10/25/2023)	(\$6,110.00)	
26	SUB-TOTAL RFP #07:		(\$6,110.00)	
27	RFI #016:	RFI #016	\$3,035.00	Authorized Contractor to procure sub-contractor for construction testing services
28	RFI 016: Testing			
29	Compaction Testing 8/8-9/6		\$719.00	
30	Compaction Testing 9/7 - 9/9		\$861.00	
31	Compaction Testing 10/17 - 10/19		\$719.00	
32	Concrete Testing 5/22 - 5/31		\$491.00	
33	Concrete Testing 11/14 - [TBD]		\$245.00	
34	SUB-TOTAL RFI #017:		\$3,035.00	
35	RFI #023:	RFI #023	\$0.00	Enlarge conc. generator pad dimensions from 14'x16' to 14'x18'. Contractor performed at no cost.
36	RFI 023: Enlarge conc. generator pad dimensions from 14'x16' to 14'x18'.		\$0.00	
37	SUB-TOTAL RFI #023:		\$0.00	
38	RFI #024:	RFI #024	\$0.00	Deduct one (1) bollard from bypass pump portal. No cost adjustment for change.
39	RFI 024: Deduct one (1) bollard from bypass pump portal		\$0.00	
40	SUB-TOTAL RFI #024:		\$0.00	
41	RFP #11:	RFP #11	\$8,748.67	Relocate pump cable terminal box(es) from below-grade to above-grade in NEMA weatherproof enclosure mounted on unistrut
42	RFP 11: Relocate terminal boxes above grade			
	KT Power deduct to construct per Plans		(\$1,768.00)	
	KT Power - relocation to above-grade		\$7,290.74	
43	RHIC - supervision & misc.		\$3,225.93	
44	SUB-TOTAL RFP #11:		\$8,748.67	
41	SUB-TOTAL CONTRACT DOCUMENT CHANGES		(\$459.32)	
43	FINAL UNIT QUANTITIES	Increase (Decrease) in Contract Price	TOTAL	
44	TOTAL	DECREASE	(33,666.09)	
46	SUB-TOTAL FOR ALL CHANGES		(\$34,125.41)	DECREASE

Table No. 02 - Description of Changes
for Change Order No. 3
CITY OF JACKSON, MO
KIMBELAND PUMP STATION IMPROVEMENT PROJECT
CHANGE ORDER NO. 3 - ADJUSTMENT OF BID QUANTITIES & UNIT PRICES

Item No.	Description				Attached Reference Exhibit	Pay Item No. Affected	Quantity Change	Unit	Unit Price Change	Increase (Decrease) in Contract Price	Increase (Decrease) in Contract Time	Explanation/Comments	
1	Decrease	Quantities	for Pay Item No.	1	Excavation - Class "A" - Rock	NA	1	(0.65)	CY	n/a	(\$222.30)	0 days	[1]
2	Decrease	Quantities	for Pay Item No.	2	Excavation - Class "C" - Soil	NA	2	(2.87)	CY	n/a	(\$206.64)	0 days	[1]
3	Increase	Quantities	for Pay Item No.	3	Granular Backfill	NA	3	7.56	CY	n/a	\$672.84	0 days	[1]
4	Decrease	Quantities	Unit Price for Pay Item No.	4	Force Main - 10 inch, DIP	NA	4	(15.00)	LF	\$62.35	(\$15,899.25)	0 days	[1]
5	Decrease	Quantities	Unit Price for Pay Item No.	5	Force Main - 12 inch, PVC	NA	5	(6.00)	LF	\$101.57	(\$8,058.00)	0 days	[1]
5.a	Increase	Quantities	for Pay Item No.	5.a	Pipe Sewer - 8 inch PVC	NA	5.a	1.10	LF	n/a	\$220.00	0 days	[1]
6	Increase	Quantities	for Pay Item No.	6	Pipe Sewer - 15 inch, PVC	NA	6	0.40	LF	n/a	\$86.00	0 days	[1]
8	Increase	Quantities	for Pay Item No.	8	Manhole - Standard Construction	NA	8	3.72	VLF	n/a	\$6,249.60	0 days	[1]
10	Decrease	Quantities	Unit Price for Pay Item No.	10	Concrete Encasement - Class A	NA	10	(38.90)	CY	\$227.13	(\$15,573.62)	0 days	[1]
14	Increase	Quantities	for Pay Item No.	14	Rock Blanket - Heavy	NA	14	35.18	SY	n/a	\$3,201.38	0 days	[1]
15	Increase	Quantities	for Pay Item No.	15	Electrical Conduits (2-4"dia. PVC) Buried (incl. Excavation)	NA	15	1.13	LF	n/a	\$146.90	0 days	[1]
17	Decrease	Unit Price	for Pay Item No.	17	30"x60" Pull Box	NA	17	n/a	EA	(\$4,283.00)	(\$4,283.00)	0 days	[1]
	TOTAL INCREASE (DECREASE)									(\$33,666.09)	0 days		

[1] Final installed quantities as measured by Contractor and accepted by Engineer.

**Table 03 - Fee Summary
of Change Order No. 3**
CITY OF JACKSON, MO
KIMBELAND PUMP STATION IMPROVEMENT PROJECT
CHANGE ORDER NO. 3 - ADJUSTMENT OF BID QUANTITIES & UNIT PRICES

Pay Item No.	Description	Original Contract				Total Adjusted Contract Per Previous C.O.'s			Increase (Decrease) in Contract This C. O.			Total Adjusted Contract This C. O.		
		Quantity	Units	Unit Price	Extended Price	Quantity	Unit Price	Extended Price	Quantity	Unit Price	Extended Price	Quantity	Unit Price	Extended Price
1	Excavation - Class "A"	102	CY	\$345.00	\$35,190.00	55	\$342.00	\$18,810.00	(0.65)	n/a	(\$222.30)	54.35	\$342.00	\$18,587.70
2	Excavation - Class "C"	259	CY	\$73.00	\$18,907.00	203	\$72.00	\$14,616.00	(2.87)	n/a	(\$206.64)	200.13	\$72.00	\$14,409.36
3	Granular Backfill	84	Cy	\$90.00	\$7,560.00	15	\$89.00	\$1,335.00	7.56	n/a	\$672.84	22.56	\$89.00	\$2,007.84
4	Force Main - 10 inch, DIP	60	LF	\$1,359.00	\$81,540.00	60	\$1,247.00	\$74,820.00	(15.00)	\$62.35	(\$15,899.25)	45.00	\$1,309.35	\$58,920.75
5	Force Main - 12 inch, PVC	22	LF	\$461.00	\$10,142.00	20	\$1,580.00	\$31,600.00	(6.00)	\$101.57	(\$8,058.00)	14.00	\$1,681.57	\$23,542.00
5.a	Pipe Sewer - 8 Inch, PVC	0	LF	\$0.00	\$0.00	28	\$200.00	\$5,600.00	1.10	n/a	\$220.00	29.10	\$200.00	\$5,820.00
5.b	12" MJ Gate Valve w/VB w/MJ Tee & TB	0	EA	\$0.00	\$0.00	1	\$6,500.00	\$6,500.00	n/a	n/a	n/a	1.00	\$6,500.00	\$6,500.00
⁽¹⁾ Pay Item No.22.a & No.22.b were added to the list of Unit Prices per this Change Order No.1.														
6	Pipe Sewer - 15 inch, PVC	50	LF	\$217.00	\$10,850.00	30	\$215.00	\$6,450.00	0.40	n/a	\$86.00	30.40	\$215.00	\$6,536.00
7	Pipe Sewer - 16 inch, DIP (Class 56)	207	LF	\$492.00	\$101,844.00	144	\$412.00	\$59,328.00	n/a	n/a	n/a	144.00	\$412.00	\$59,328.00
8	Manhole - Standard Construction	32	VLF	\$1,597.00	\$51,104.00	35	\$1,680.00	\$58,800.00	3.72	n/a	\$6,249.60	38.72	\$1,680.00	\$65,049.60
9	Outside Foulwater Drop	2	EA	\$9,416.00	\$18,832.00	2	\$9,308.00	\$18,616.00	n/a	n/a	n/a	2.00	\$9,308.00	\$18,616.00
10	Concrete Encasement - Class A	51	CY	\$477.00	\$24,327.00	51	\$471.00	\$24,021.00	(38.90)	\$227.13	(\$15,573.62)	12.10	\$698.13	\$8,447.39
11	Air Release Manhole	1	EA	\$9,434.00	\$9,434.00	1	\$9,322.00	\$9,322.00	n/a	n/a	n/a	1.00	\$9,322.00	\$9,322.00
12	[Abandon] Special Manhole 7D-017	1	EA	\$75,964.00	\$75,864.00	1	\$9,100.00	\$9,100.00	n/a	n/a	n/a	1.00	\$9,100.00	\$9,100.00
13	Special Storm Manhole "A"	1	EA	\$1,117.00	\$1,117.00	1	\$1,104.00	\$1,104.00	n/a	n/a	n/a	1.00	\$1,104.00	\$1,104.00
14	Rock Blanket - Heavy	307	SY	\$92.00	\$28,244.00	307	\$91.00	\$27,937.00	35.18	n/a	\$3,201.38	342.18	\$91.00	\$31,138.38
15	Electrical Conduits (2-4"dia. PVC) Buried (incl. Excavation)	275	LF	\$132.00	\$36,300.00	275	\$130.00	\$35,750.00	1.13	n/a	\$146.90	276.13	\$130.00	\$35,896.90
16	Sectionalizing Cabinet	2	EA	\$6,128.00	\$12,256.00	2	\$6,049.00	\$12,098.00	n/a	n/a	n/a	2.00	\$6,049.00	\$12,098.00
17	30"x60" Pull Box	1	EA	\$7,580.00	\$7,580.00	1	\$7,483.00	\$7,483.00	n/a	(\$4,283.00)	(\$4,283.00)	1.00	\$3,200.00	\$3,200.00
18	Electrical Transclosure	1	EA	\$21,244.00	\$21,244.00	1	\$20,973.00	\$20,973.00	n/a	n/a	n/a	1.00	\$20,973.00	\$20,973.00
19	Portable Backup Generator	1	EA	\$133,705.00	\$133,705.00	1	\$132,027.00	\$132,027.00	n/a	n/a	n/a	1.00	\$132,027.00	\$132,027.00
20	Abandon Ex. Water Service Line	1	EA	\$1,358.00	\$1,358.00	1	\$1,343.00	\$1,343.00	n/a	n/a	n/a	1.00	\$1,343.00	\$1,343.00
21	12" Tap Valve & Saddle - BRANCH	1	EA	\$15,624.00	\$15,624.00	0	\$0.00	\$0.00	n/a	n/a	n/a	0.00	\$0.00	\$0.00
22	12" Tap Valve & Saddle - LINE	1	EA	\$15,624.00	\$15,624.00	1	\$15,431.00	\$15,431.00	n/a	n/a	n/a	1.00	\$15,431.00	\$15,431.00
23	Mobilization	1	LS	\$260,773.00	\$260,773.00	1	\$257,907.00	\$257,907.00	n/a	n/a	n/a	1.00	\$257,907.00	\$257,907.00
24	Protection & Restoration of Site	1	LS	\$31,650.00	\$31,650.00	1	\$31,271.00	\$31,271.00	n/a	n/a	n/a	1.00	\$31,271.00	\$31,271.00
25	Bypass Pumping	1	LS	\$44,363.00	\$44,363.00	1	\$43,855.00	\$43,855.00	n/a	n/a	n/a	1.00	\$43,855.00	\$43,855.00
26	Abandon Ex. Kimbeland Pump Station	1	LS	\$22,808.00	\$22,808.00	1	\$22,553.00	\$22,553.00	n/a	n/a	n/a	1.00	\$22,553.00	\$22,553.00
27	New Kimbeland Pump Station	1	LS	\$964,105.00	\$964,105.00	0	\$0.00	\$893,301.00	n/a	n/a	n/a	0.00	\$0.00	\$893,301.00
TOTAL BASE BID (Sum Items 1-27) =				\$2,042,345.00			\$1,841,951.00			(\$33,666.09)			\$1,808,284.92	
28	Detention Storage Bank "A" (Alternate "A")	1	LS	\$369,241.00	\$369,241.00	1	\$369,241.00	\$369,241.00	(1)	(\$369,241.00)	(\$369,241.00)	0	\$0.00	\$0.00
ALTERNATE "A" SUBTOTAL (Item 28) =				\$369,241.00			\$369,241.00			(\$369,241.00)			\$0.00	
BID TOTAL SUMMARY				\$2,042,345.00			\$1,841,951.00			(\$33,666.09)			\$1,808,284.92	
TOTAL BASE BID (Sum Items 1-27) =				\$2,042,345.00			\$1,841,951.00			(\$33,666.09)			\$1,808,284.92	
ALTERNATE "A" SUBTOTAL (Item 28) =				\$369,241.00			\$369,241.00			(\$369,241.00)			\$0.00	

RIHC Contracting Inc.

2411 Walters Lane
Perryville, MO 63775
Ph : (573)547-8397

Change Order Request

To: Spencer Fitzgerald
Horner & Shifrin, Inc
401 S 18th Street
Suite 400
St. Louis, MO 63103-2296
Ph: (314)531-4321 Fax: (314)531-6966

Number: 012
Date: 6/4/24
Job: 52-582 City of Jackson, MO-Kimbeland
Phone:
Response Due:
Urgency: Normal

Description: Pump Station Terminal Box Relocation - RFP 11 Item #1 (RFP 8 REV 01)

Scope of Work:

As discussed previously, this request is to provide a price to relocate the junction/terminal boxes(2 ct) from the below-grade handhole to an above-grade rack near the Wet Well per the RFP_08 FIG-01. This request also includes a deduct for the cost to correct the existitng drainage issues at the underground quazite box.

Deduct the cost for the installation for the drainage system as per details provided by Horner & Shifrin in January 2024 emails, for the existing in-ground quazite box, that houses the two explosion proof boxes.
Total Credit: -\$1,768.00 Credit

Option 2 - Re-locate the two explosion proof boxes from the current in-ground quazite box to an above-ground NEMA 3R 48x 48 enclosure on a GRC conduit and strut rack. This new NEMA 4X enclosure would house both explosion proof boxes with the terminal strips. The terminal strips will be replaced. The new enclosure would be mounted just above the current inground box so that the cables for the pumps can be re-used. Explosion proof seal offs will be mounted below the NEMA 3R enclosure in the conduit runs before they go underground. The PVC coated conduits will be re-worked. Then new wire will need to be pulled from the control panel to the new NEMA 4X enclosure for power and control. There is some pre-work to complete prior to shutting the power down, but the relocation work will require the pumps to be down for an approximate 8-hour timeframe.
Total Add : \$10,516.67

Option 1 and 2 Combined: \$8,748.67

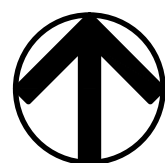
We understand this 8 hours of down time is not an acceptable timeframe for the Owner, so we will need to discuss options on how to handle flows while this system is shutdown. No costs have been included for a bypass pump to control the flows during the 8-hour downtime. We might suggest to use the City's bypass pump, which was already in place last week for emergency puposes during recent storms, but the current location would be in the way of the new underground conduit installation.

The total amount to provide this work is \$8,748.67

If you have any questions, please contact me at .

Submitted by: _____
Susan Verseman
Robinson Mechanical Contr Inc

Approved by: _____
Date: _____



SCALE: 1"=5'

5' 0' 5' 10'

SCALE: 1" = 5'

DATE:	11/01/2021
DESIGNED:	KSS
DRAWN:	AJP
CHECKED:	KSS
HS JOB NO.	1721200
SHEET	25 OF 27
E4	