CHANGE ORDER NO. 4

County: Newton

Project: Tin Cup Lift Station Renovation

To: Mr. Paul Crews
Crews Construction, Inc.
17603 Keisha Drive
Neosho, MO 64850-8551

Job No. _____

You are hereby directed to make the following changes to your contract with the **City of Joplin** for the referenced project.

❖❖❖

Original Contract Completion Date……...……April 21, 2019
Contract Completion Date Per Change Order 3….September 7, 2019
Revised Contract Completion Date……December 5, 2019

2. Estimate of Cost of Work Affected by this Change Order. (Lump Sum Contract Items.)

(A) EST. LINE NO.	(B) CONTRACT ITEM NO.	(C) ITEM DESCRIPTION	(D) UNITS PREVIOUSLY PROVIDED FOR	(E) UNITS TO BE CONSTRUCTED	(F) UNITS OVERRUN, UNDERRUN, CONTINGENT	(G) CONTRACT OR AGREED UNIT PRICE	(H) AMOUNT OF OVERRUN OR PLUS CONTINGENT	(I) AMOUNT OF UNDERRUN OR MINUS CONTINGENT
	5	Bonding, Insurance, Mobilization, and Any Work Required for the Perfection of the Project Not Listed Elsewhere in the Bid Schedule.	Lump Sum					
	5.a	Concrete Repair/Painting					$21,389.00	
	5.b	Electrical Repair/Upgrade					$58,039.25	
	5.c	Contractor Bonding Plus Overhead and Profit (1.5%+15%=16.5%)					$13,105.66	
						TOTALS	$92,533.91	

3. Cost Justification for Changes to Bid Item No. 5: The following costs have been discussed with the contractor and have been compared to costs incurred for similar work on other recent projects to verify the reasonableness of anticipated manhours and hourly rates. Material costs have been verified through review of the supplier's invoices. Contractor's bonding, overhead, and profit costs are as allowed by the General Conditions of the Contract.

Item 5.a – Concrete Repair/Painting materials and labor documented as follows:

Materials	
Tnemec Coating	$7,225.00
Abrasives	$1,364.00
Equipment	
Blast Truck, 5 days @ $500/day	$2,500.00
Crane, 5 days @ $500/day	$2,500.00
Labor	
120 manhours @ $65.00/hour	$7,800.00
	$21,389.00

Item 5.b – Electrical Repair/Upgrade materials and labor documented as follows:

Materials & Equipment	
Conduit, Wire, Misc. – See JIE Breakdown	$26,252.35
Switchgear	$11,569.00
Retaining Wall Blocks and Rock	$604.00
Equipment	
Excavator, 1 day @ $277/day	$277.00
Labor	
Electrical Journyman – See JIE Breakdown	$17,416.90
Retaining Wall Construction, 32 hrs @ $60/hr	$1,920.00
	$58,039.25

Item 5.c – Per General Conditions of the Contract, contractor's additional bonding costs and 15 percent overhead and profit are allowable costs.

Subtotal	$79,428.25
Additional Bond Costs (1.5% of Subtotal)	$1,191.42
Overhead and Profit (15% of Subtotal)	$11,914.24
	$13,105.66
Total Change Order No. 4 Cost (5.a + 5.b + 5.c)	**$92,533.91**

4. Other City Departments Consulted:

_____ Date _____
Name

_____
Department / Title

_____ Date _____
Name

_____
Department / Title

5. Settlement for Cost of the above Changes to be made at Contract Unit Price Except as Noted:

1. CONTRACT AMOUNT		$1,380,000.00	The Terms of Settlement outlined above are hereby agreed to.
2. OVERRUN	$92,533.91		Crews Construction, Inc.
3. OVERRUN/UNDERRUN PREVIOUS	$140,741.00		
4. TOTAL OVERRRUN TO DATE	$140,741.00	$233,274.91	By: _____ 8-2-2019
5. TOTAL		$1,613,274.90	Paul Crews, President Date
PERCENTAGE OF ORIGINAL CONTRACT		6.7%	

_____ _____
CONSULTING ENGINEER DATE

FOR CITY OF JOPLIN USE:

Emergency Provisions of Change Order Policy Used YES □ NO □ Date approved _____

Reason for Emergency and description of work approved (Check all that apply):

□ Protection of Public Health and Safety _____

□ Avoid Contractor and Project Delays _____

□ Impact to Other Improvement Projects _____

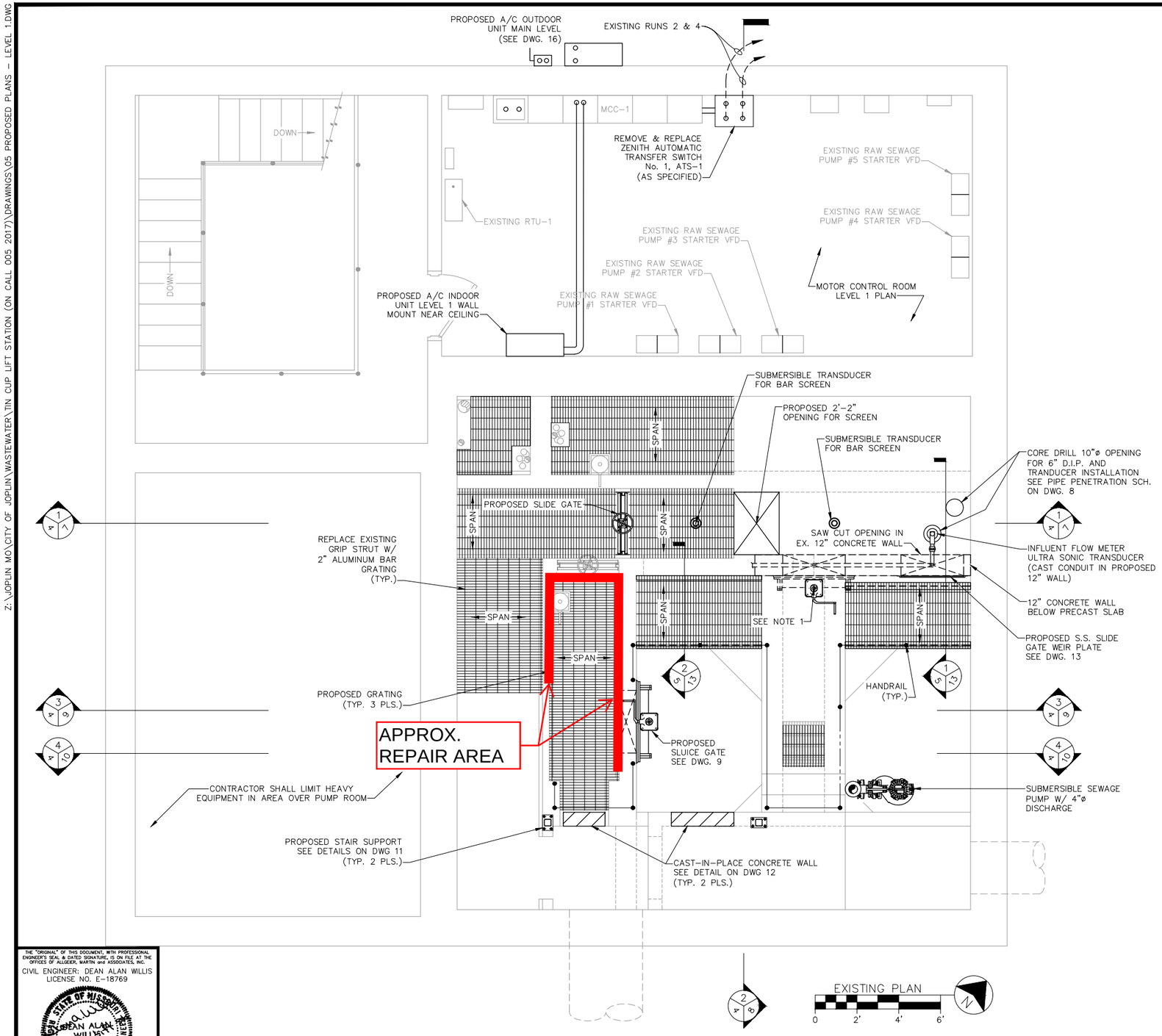
□ Other _____

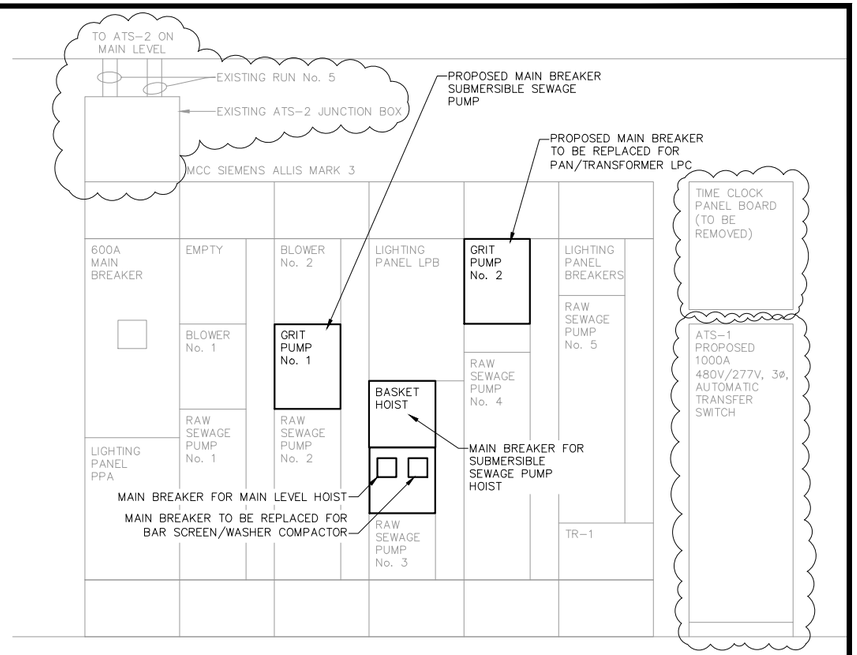
_____	_____	_____	_____
APPROVAL PROJECT MANAGER	DATE	APPROVAL SUPERVISOR / ENGINEERING REVIEWER	DATE
_____	_____		
APPROVAL OF DEPARTMENT HEAD	DATE		

WHEN REQUIRED BY THE CITY'S CHANGE ORDER POLICY, THE FOLLOWING SIGNATURES ARE MANDATORY:

_____	_____	_____	_____
* DIRECTOR OF FINANCE	DATE	* CITY MANAGER	

Z:\JOPLIN MO\CITY OF JOPLIN\WASTEWATER\TIN CUP LIFT STATION (ON CALL 005 2017)\DRAWINGS\05 PROPOSED PLANS - LEVEL 1.DWG





EX. MOTOR CONTROL ROOM – LEVEL 1 ELEV.
NTS

GENERAL NOTES:

A. FIELD VERIFY ALL DIMENSIONS FOR ALL FABRICATED ITEMS PRIOR TO THEIR FABRICATION TO INSURE FIT AT LOCATIONS SHOWN. THIS SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING ITEMS: BAR GRATING, BAR SCREEN & WASHER/COMPACTOR ASSEMBLY, PRECAST SLAB, GATES, SUBMERSIBLE SEWAGE PUMP, PIPING, HANDRAIL, AND STAIRS.

B. HANDRAIL SHALL BE 1½"ø WITH KICKPLATE UNLESS OTHERWISE NOTED. HANDRAIL SHALL BE SURFACE OR SIDE MOUNTED AS SHOWN. SAFETY CHAIN SECTIONS SHALL BE ALUMINUM OR STAINLESS STEEL CHAIN.

C. PIPE SIZE AND TYPE AS NOTED AND SHOWN ON DRAWINGS. PIPE LENGTHS VARIABLE, AS REQUIRED FOR INSTALLATION PER DRAWINGS. FOR COMPLETE DESCRIPTION OF PIPE, CLASS AND MATERIAL, SEE SPECIFICATIONS.

D. ALL PIPING, VALVES & FITTINGS SHALL BE ADEQUATELY SUPPORTED. SUPPORTS FOR AIR PIPING SHALL BE PER DETAILS NOTED. LOCATIONS OF PIPE SUPPORTS SHALL BE AS SHOWN, AND AS OTHERWISE REQUIRED TO ADEQUATELY SUPPORT THE PIPE. SEE SPECIFICATIONS FOR ACCEPTABLE SUPPORTS.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL PIPING, VALVES AND FITTINGS FOR A COMPLETE AND FUNCTIONING SYSTEM.

F. ALL GRATING SHALL BE 2" ALUMINUM I-BAR, 15/16" CENTER TO CENTER ON BEARING BARS. ALL GRATING SHALL SPAN DIRECTION NOTED, SHALL BE REMOVABLE & SHALL BE BANDED PER SPECIFICATIONS.

G. PROVIDE A PVC PIPE SLEEVE CAST-IN-PLACE OR CORE DRILL CONCRETE FOR SLUICE GATE STEM. SLEEVE OR CORE DRILLED HOLE SHALL BE ½" LARGER IN DIAMETER THAN STEM DIAMETER. LOCATION SHALL BE PER SLUICE GATE MFGR'S. REQMT'S.

NOTES:

1. CORE DRILL CONCRETE FOR SLUICE GATE STEM. CORE DRILLED HOLE SHALL BE ½" LARGER IN DIAMETER THAN STEM DIAMETER. LOCATION SHALL BE PER SLUICE GATE MFGR'S. REQMT'S.

THE "ORIGINAL" OF THIS DOCUMENT, WITH PROFESSIONAL ENGINEER'S SEAL & DATED SIGNATURE, IS ON FILE AT THE OFFICES OF ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL ENGINEER: DEAN ALAN WILLIS
LICENSE NO. E-18769
STATE OF MISSOURI DEAN ALAN WILLIS NUMBER E-18769 REGISTERED PROFESSIONAL ENGINEER

Know what's below. Call before you dig.

CITY OF Joplin
CITY OF JOPLIN, MISSOURI
DEPT OF PUBLIC WORKS
DIVISION OF ENGINEERING

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680-7200

THIS DRAWING IS A DOCUMENT OF SERVICE AND IS THE PROPERTY OF ALLGEIER, MARTIN and ASSOCIATES, INC. THIS DOCUMENT SHALL NOT BE USED ON THIS OR OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF ALLGEIER, MARTIN and ASSOCIATES, INC.

CERTIFICATE OF AUTHORITY MISSOURI NO. 000427

REV DATE:	REVISION:

DWN BY:	WBW
CKD BY:	JCN
APD BY:	DAW
DATE:	JUNE, 2018

TIN CUP LIFT STATION RENOVATION
PROPOSED PLANS
LEVEL 1

PLAN NO: 1
SHEET 5

Bussey`s Painting Contractors Inc.

Complete Blasting and Painting Service

20977 Mallard Dr. Neosho MO 64850 Phone: 417-451-2040 Fax: 451-9099

Date: 5.22.19
ATTN: Mr. Paul Crews
COMPANY: Crews Construction
PHONE # 417-451-5433
CELL# 417-850-5868
EMAIL# crewscon@gmail.com

RE: Tin Cup

We propose to furnish all necessary labor and materials to cover the following on the above mentioned job.

Resurface a area appr. 17`X3` area as was done at Davis blvd. there will not be any repairs above the L shape at the upper end.

Mr. Crews,

The overhead and profit are built into the labor hourly cost and equipment cost. There is a 15% add on to the material cost.

Labor: 120 hours @ $65.00 per hour is $7,800

Materials: Tnemec- $7,225.00 Abrasives- $1,364.00

Equipment: Blast truck with associated coating equipment
5 days x 500.00 per day $2,500.00
Crane 5 days x 500.00 per day $2,500.00

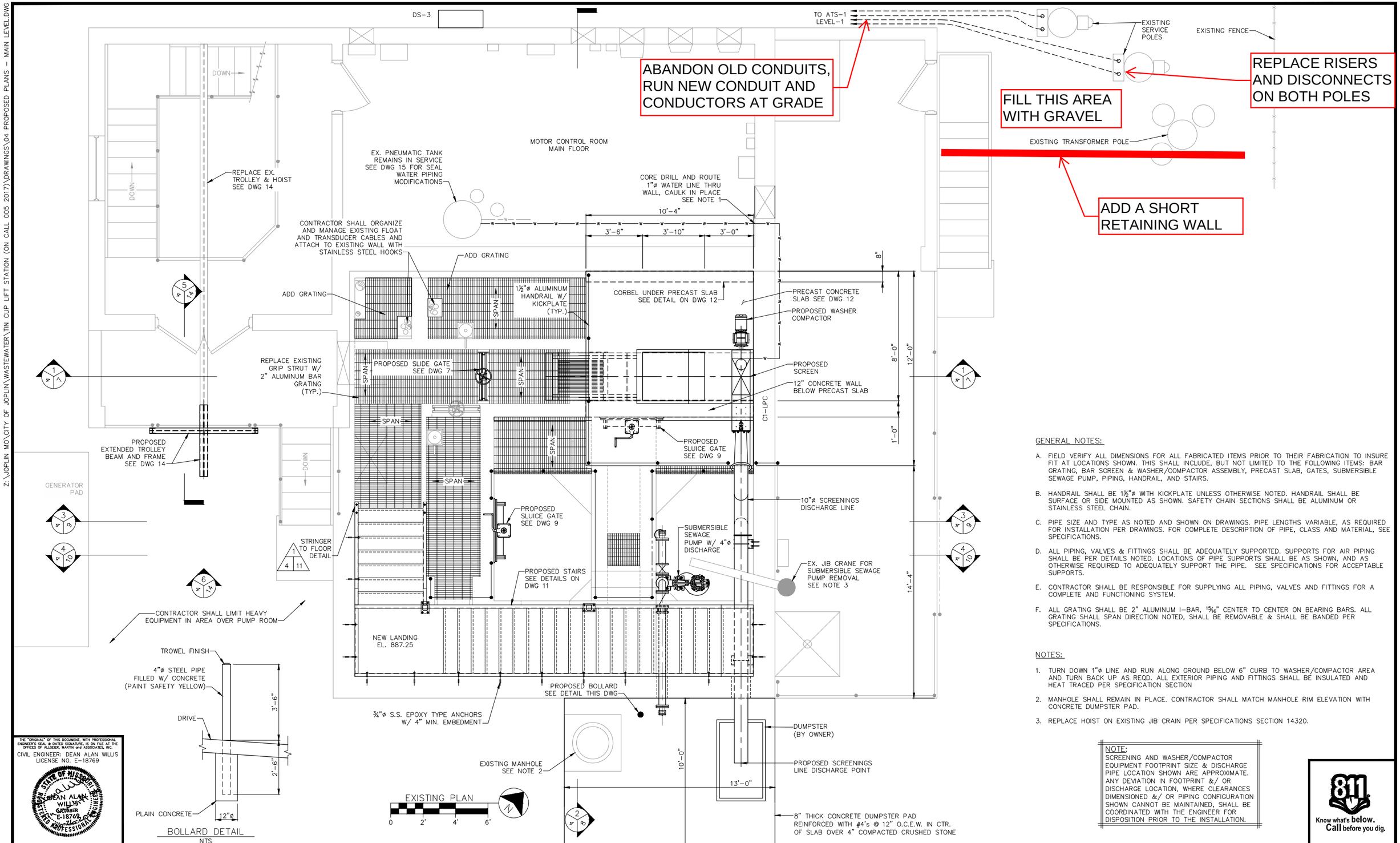
The total price for this project is $21,389.00

We appreciate the opportunity to furnish you with this proposal and look forward to working with you on this project. If you have any questions, please feel free to call.

Thank You,

Rick Bussey
President

Z:\JOPLIN MO\CITY OF JOPLIN\WASTEWATER\TIN CUP LIFT STATION (ON CALL 005 2017)\DRAWINGS\04 PROPOSED PLANS - MAIN LEVEL.DWG



GENERAL NOTES:

A. FIELD VERIFY ALL DIMENSIONS FOR ALL FABRICATED ITEMS PRIOR TO THEIR FABRICATION TO INSURE FIT AT LOCATIONS SHOWN. THIS SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING ITEMS: BAR GRATING, BAR SCREEN & WASHER/COMPACTOR ASSEMBLY, PRECAST SLAB, GATES, SUBMERSIBLE SEWAGE PUMP, PIPING, HANDRAIL, AND STAIRS.

B. HANDRAIL SHALL BE 1½"ø WITH KICKPLATE UNLESS OTHERWISE NOTED. HANDRAIL SHALL BE SURFACE OR SIDE MOUNTED AS SHOWN. SAFETY CHAIN SECTIONS SHALL BE ALUMINUM OR STAINLESS STEEL CHAIN.

C. PIPE SIZE AND TYPE AS NOTED AND SHOWN ON DRAWINGS. PIPE LENGTHS VARIABLE, AS REQUIRED FOR INSTALLATION PER DRAWINGS. FOR COMPLETE DESCRIPTION OF PIPE, CLASS AND MATERIAL, SEE SPECIFICATIONS.

D. ALL PIPING, VALVES & FITTINGS SHALL BE ADEQUATELY SUPPORTED. SUPPORTS FOR AIR PIPING SHALL BE PER DETAILS NOTED. LOCATIONS OF PIPE SUPPORTS SHALL BE AS SHOWN, AND AS OTHERWISE REQUIRED TO ADEQUATELY SUPPORT THE PIPE. SEE SPECIFICATIONS FOR ACCEPTABLE SUPPORTS.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL PIPING, VALVES AND FITTINGS FOR A COMPLETE AND FUNCTIONING SYSTEM.

F. ALL GRATING SHALL BE 2" ALUMINUM I-BAR, 15/16" CENTER TO CENTER ON BEARING BARS. ALL GRATING SHALL SPAN DIRECTION NOTED, SHALL BE REMOVABLE & SHALL BE BANDED PER SPECIFICATIONS.

NOTES:

1. TURN DOWN 1"ø LINE AND RUN ALONG GROUND BELOW 6" CURB TO WASHER/COMPACTOR AREA AND TURN BACK UP AS REQD. ALL EXTERIOR PIPING AND FITTINGS SHALL BE INSULATED AND HEAT TRACED PER SPECIFICATION SECTION
2. MANHOLE SHALL REMAIN IN PLACE. CONTRACTOR SHALL MATCH MANHOLE RIM ELEVATION WITH CONCRETE DUMPSTER PAD.
3. REPLACE HOIST ON EXISTING JIB CRAIN PER SPECIFICATIONS SECTION 14320.

NOTE:
SCREENING AND WASHER/COMPACTOR EQUIPMENT FOOTPRINT SIZE & DISCHARGE PIPE LOCATION SHOWN ARE APPROXIMATE. ANY DEVIATION IN FOOTPRINT &/ OR DISCHARGE LOCATION, WHERE CLEARANCES DIMENSIONED &/ OR PIPING CONFIGURATION SHOWN CANNOT BE MAINTAINED, SHALL BE COORDINATED WITH THE ENGINEER FOR DISPOSITION PRIOR TO THE INSTALLATION.

THE "ORIGINAL" OF THIS DOCUMENT, WITH PROFESSIONAL ENGINEER'S SEAL & DATED SIGNATURE, IS ON FILE AT THE OFFICES OF ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL ENGINEER: DEAN ALAN WILLIS
LICENSE NO. E-18769

Know what's below. Call before you dig.

CITY OF Joplin
CITY OF JOPLIN, MISSOURI
DEPT OF PUBLIC WORKS
DIVISION OF ENGINEERING

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7231 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 680-7200

THIS DRAWING IS A DOCUMENT OF SERVICE AND IS THE PROPERTY OF ALLGEIER, MARTIN and ASSOCIATES, INC. THIS DOCUMENT SHALL NOT BE USED ON THIS OR OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF ALLGEIER, MARTIN and ASSOCIATES, INC.

CERTIFICATE OF AUTHORITY
MISSOURI NO. 000427

REV DATE:	REVISION:

DWN BY:	WBW
CKD BY:	JCN
APD BY:	DAW
DATE:	JUNE, 2018

TIN CUP LIFT STATION RENOVATION
PROPOSED PLANS
MAIN LEVEL

PLAN NO: 1
SHEET 4

Crews Construction, Inc.

17603 Keisha Drive
Neosho, Missouri 64850-8551
Phone (417) 850-5868
Email crewscon@gmail.com

June 21, 2019

ALLGEIER MARTIN AND ASSOCIATES, INC.
ATTN: MR JARED NICHOLS, P.E.
7231 EAST 24TH STREET
JOPLIN, MO 64804

RE: TIN CUP LIFT STATION –PROVIDE AND INSTALL NEW ELECTRICAL SERVICE ENTRANCE COMPONENTS AND CONSTRUCT A BLOCK RETAINING WALL TO LEVEL THE AREA AROUND THE MAIN DISCONNECT POWER POLES

Dear Mr. Nichols:

Below is our breakdown of costs associated with the above referenced item of work:

165 Each	Retaining wall blocks (plane gray) @ 2.15	$ 354.00
1 Load	Base rock for leveling and backfilling	$ 250.00
2 Men/2 days	Labor (dig, prepare base, lay blocks, backfill)	$ 1,920.00
1 Day	Machine rental	$ 277.00
	Electrical subcontractor (see attached breakdown)	
	OPTION 1.	$ 55,238.22
	OPTION 2.	$ 26,479.78

If either option is chosen, please add the additional bond cost (1 ½%) and the allowed 15% Overhead and Profit. Please do not hesitate to contact me if there are any questions, or if we may be of any further service on this or any other matters.

Very truly yours,

Paul S. Crews

PSC:rmc

JOPLIN INDUSTRIAL ELECTRIC, INC.
RESIDENTIAL • COMMERCIAL • MAINTENANCE ELECTRICIANS
2202 S. PRIGMORE AVE., JOPLIN, MO 64804
P.O. BOX 848, DUENWEG, MO 64841
TELEPHONE: (417) 623-3425 • FAX: (417) 623-1313
WEBSITE: www.joplinelectric.com

June 21, 2019

Crews Construction
Paul Crews

These pricing options are for replacing the damaged electrical service at Tin cup Lift Station in Joplin, Mo.

Option 1: This price is for upgrading both electrical services from 600 amps to 1000 amps. It includes installing three (3) 4" aluminum rigid conduits per service on the exterior building wall with #400 THHN conductors and a #2 THHN grounding conductor in each. At the north end of the building, these conduits will be installed below grade in an area to be leveled off by means of a retaining wall. The existing disconnects, risers and metering will be replaced as required. Existing junction boxes, conduit and conductors that are being replaced will be removed from the site.

Our price: $55,238.22

Option 2: This price is for reworking both electrical services with a vision of being upgraded as per option 1. It includes installing three (3) 4" aluminum rigid conduits per service on the exterior building wall with #400 THHN conductors and a #2 THHN grounding conductor in two (2) of these conduits. At the north end of the building, two (2) of these conduits per service will be installed below grade in an area to be leveled off by means of a retaining wall. The existing disconnects, risers and metering will remain. Existing junction boxes, conduit and conductors that are being replaced will be removed from the site. <u>This option, when the future upgrade is completed, will cost the overall project approximately 10-15% more.</u>

Our price: $26,479.78

This price excludes the following:

- Retaining wall.
- Tax.

Thank you,

Ryan Zengel

Joplin Industrial Electric

C.O. Number InvoiceNo

Bill To:

Crews Construction

6/21/2019 Terms P.O. Number

Material Cost

LN		DB#	Material Description	Quantity	Cost
1	F		6" x 6" x 12'	2.00	$116.82
2	F		Footings	2.00	$129.80
3	F		Concrete	1.00	$162.25
4	F		1-5/8 SS Solid Strut	75.00	$730.13
5	I	664	CO-1 SERVICEHEAD	2.00	$15.57
6	I	3704	GR-1 GRC-CONDUIT	30.00	$126.56
7	I	3870	HA-1 MINERALLAC	8.00	$5.79
8	I	5208	ME-13-TERMINAL C/T RATED	2.00	$493.24
9	I	5178	ME-1-IN METER SOCKET HUB	2.00	$14.85
10	F		1/4" Lags	24.00	$7.79
11	I	10661	PV-3/4 S80 CONDUIT	20.00	$9.06
12	I	10746	PV-3/4 MALE-ADAPT.	4.00	$0.93
13	I	3868	HA-3/4 MINERALLAC	8.00	$4.93
14	I	4850	LO-3/4 LOCKNUTS	4.00	$0.41
15	I	8254	WC-BARE-SOFT-SOL #6	20.00	$12.03
16	I	8272	WC-BARE-SOFT-ST #4/0	65.00	$226.46
17	I	3658	GD-3/4X10 GROUND ROD	3.00	$82.90
18	F		Crimps	7.00	$199.89
19	F		Jack Hammer	1.00	$64.90
20	F		Demo Old Disconnects	2.00	$64.90
21	F		Demo Old Conductors	2.00	$0.00
22	F		Demo Old Conduit	2.00	$0.00
23	F		Compaction Rock for Platform	1.00	$194.70
24	F		Backhoe	1.00	$129.80
25	I	678	CO-4 SERVICEHEAD	6.00	$403.05
26	I	218	AL-4 AL CONDUIT	70.00	$954.58
27	I	652	CO-4 MEYER HUBS	6.00	$95.80
28	I	502	BL-4 S.S.COND.STRAP	18.00	$550.91
29	I	456	BL-3/8X6 ALL-THREAD ROD	18.00	$13.27
30	I	2266	FA-1 1/2X3/8 FENDER WASH	24.00	$3.54
31	I	2274	FA-3/8 LOCK WASHER	24.00	$3.78
32	I	2378	FA-3/8-16 HEX NUT	24.00	$17.54
33	I	9806	DIST-UNITS 600V 1200A	2.00	$0.00
34	I	3578	FU6 600V KRP-C 1000	6.00	$0.00
35	I	5174	ME-SECD 650V SP ARRESTER	2.00	$0.00
36	F		WC-THHN-STRA #400MCM	410.00	$2,816.37
37	I	10609	PV-4 S40 CONDUIT	70.00	$152.54
38	I	10621	PV-4" S40 COND ELLS	12.00	$135.51
39	I	10645	PV-4" S40 COND COUP	12.00	$28.60
40	I	10767	PV-4 FE-ADAPTER	12.00	$33.49
41	I	11028	PV-1 QUART CEMENT VC9982	1.00	$11.57
42	I	3994	JB-CT-CABINET 48R3612HCR	1.00	$811.25
43	F		Labels/Tags	1.00	$129.80
44	I	340	AN-3/8-16 LEAD ANCHOR	30.00	$54.87
45	I	2358	FA-1/4-20X2 RHMS	30.00	$14.84
46	I	2266	FA-1 1/2X3/8 FENDER WASH	30.00	$4.43

Joplin Industrial Electric

C.O. Number InvoiceNo

Bill To:
Crews Construction

6/21/2019 Terms P.O. Number

47	I	2274	FA-3/8 LOCK WASHER		30.00	$4.72
48	I	218	AL-4	AL CONDUIT	220.00	$3,000.09
49	I	258	AL-4	AL-90-ELLS	3.00	$479.15
50	I	259	AL-4	AL COUPLING	3.00	$104.63
51	I	652	CO-4	MEYER HUBS	12.00	$658.88
52	I	4866	LO-4	LOCKNUTS	48.00	$125.21
53	I	530	BU-4	PLASTIC BUSHING	24.00	$30.53
54	I	502	BL-4	S.S.COND.STRAP	30.00	$918.19
55	I	8200	WC-THHN-STRA #2		380.00	$486.86
56	F		WC-THHN-STRA #400MCM		1520.00	$10,441.16
57	F		Change Over ATS's		2.00	$0.00
58	I	3974	JB-SCREW COVER 30X30X8		2.00	$973.50
59	I	3825	GR-4	CUT AND THREAD	3.00	$0.00

Material $26,252.35

Material Total $26,252.35

Labor Cost

Labor Description		Cost
Journeyman	274.57 hours @ $63.43 =	$17,416.90

Labor Cost $17,416.90

Labor Total $17,416.90

Total Invoice $43,669.25

Joplin Industrial Electric

C.O. Number InvoiceNo

Bill To:
Crews Construction

6/21/2019 Terms P.O. Number

Material Cost

LN	DB#	Material Description	Quantity	Cost
1	Q	Switchgear		$11,569.00

Material		$11,569.00
Material Total		$11,569.00
Total Invoice		$11,569.00

Joplin Industrial Electric

C.O. Number InvoiceNo

Bill To:
Crews Construction

6/21/2019 Terms P.O. Number

Material Cost

LN	DB#	Material Description	Quantity	Cost
1	F	Jack Hammer	1.00	$64.90
2	F	Demo Old Disconnects	2.00	$64.90
3	F	Demo Old Conductors	2.00	$0.00
4	F	Demo Old Conduit	2.00	$0.00
5	F	Compaction Rock for Platform	1.00	$194.70
6	F	Backhoe	1.00	$129.80
7	F	1-5/8 SS Solid Strut	30.00	$292.05
8	I 10609	PV-4 S40 CONDUIT	70.00	$152.54
9	I 10621	PV-4" S40 COND ELLS	12.00	$135.51
10	I 10645	PV-4" S40 COND COUP	12.00	$28.60
11	I 10767	PV-4 FE-ADAPTER	12.00	$33.49
12	I 11028	PV-1 QUART CEMENT VC9982	1.00	$11.57
13	I 3994	JB-CT-CABINET 48R3612HCR	1.00	$811.25
14	F	Labels/Tags	1.00	$129.80
15	I 340	AN-3/8-16 LEAD ANCHOR	30.00	$54.87
16	I 2358	FA-1/4-20X2 RHMS	30.00	$14.84
17	I 2266	FA-1 1/2X3/8 FENDER WASH	30.00	$4.43
18	I 2274	FA-3/8 LOCK WASHER	30.00	$4.72
19	I 218	AL-4 AL CONDUIT	220.00	$3,000.09
20	I 258	AL-4 AL-90-ELLS	3.00	$479.15
21	I 259	AL-4 AL COUPLING	3.00	$104.63
22	I 652	CO-4 MEYER HUBS	12.00	$658.88
23	I 4866	LO-4 LOCKNUTS	48.00	$125.21
24	I 530	BU-4 PLASTIC BUSHING	24.00	$30.53
25	I 502	BL-4 S.S.COND.STRAP	30.00	$918.19
26	I 8200	WC-THHN-STRA #2	255.00	$326.71
27	F	WC-THHN-STRA #400MCM	1015.00	$6,972.22
28	F	Change Over ATS's	2.00	$0.00
29	I 3974	JB-SCREW COVER 30X30X8	2.00	$973.50
30	I 3825	GR-4 CUT AND THREAD	3.00	$0.00

Material	$15,717.07
Material Total	$15,717.07

Labor Cost

Labor Description		Cost
Journeyman	169.67 hours @ $63.43 =	$10,762.75
Labor Cost		$10,762.75
Labor Total		$10,762.75

Total Invoice $26,479.82