

Contract Change Order # 3

Project Name: Lynn Lane WWTP Disinfection Improvements Project Number: S 1905

Project Location: Broken Arrow OK Date of Application: Friday, February 14, 2025

Contractor: Crossland Heavy Contractors Submitted By: 2/14/2025

Summary of Change in Scope of Work

The following scope of work consisting of work location, work description, established quantities, and timeline for completion has been reviewed and agreed upon by the contractor, the origin funding department, and the Engineering and Construction Department.

Change of Work Items Included in this Change Order:

- 1) Purchase and installation of a new Actuator
- 2) Purchase and installation of monitoring devices & applicable programming modifications.

Change in Contractual Project Time:

- 1) To be determined. Procurement time & two additional weeks to be added to complete the scope of work.
- 2)

Plan Sheets or Additional Documents Attached: Yes No Other: _____

Work Order Quantities

Item#	(Spec)	Item Description	Units	Price	Quantity	Total Amount
1		Emergency By-Pass System	LS	\$ 51,400.21	1	\$ 51,400.21
						\$ -
						\$ -
Total Change Cost:						\$ 51,400.21

Summary of Project Costs

Total Previous Change Orders:	\$ (11,138.16)	Original Contract Amount:	\$ 5,841,000.00
Current Change Order:	\$ 51,400.21	Amended Contract Amount:	\$ 5,881,262.05
Total Cost of Change Orders:	\$ 40,262.05	Percent Change in Contract:	0.68%
Total Cost Applicable to CBA:	\$ 51,400.21	Percent Change Applicable to CBA:	0.88%

Change Order Authorization

Change Order # <u>3</u> in the sum of: \$ <u>51,400.21</u> has been reviewed by all parties and is recommended for approval by:			
Contractor Submitting Change Order:	<u>Kassidy Lemons</u> <small>Name</small>	<u><i>Kassidy Lemons</i></u> <small>Signature</small>	<u>2/26/2025</u> <small>Date</small>
Construction Division Manager:	<u>Nathanael T. Kohl, PE</u> <small>Name</small>	 <small>Signature</small>	 <small>Date</small>
Director of Engineering & Construction:	<u>Charlie Bright, PE</u> <small>Name</small>	 <small>Signature</small>	 <small>Date</small>
Assistant City Manager - Operations:	<u>Kenneth D Schwab, PE</u> <small>Name</small>	 <small>Signature</small>	 <small>Date</small>
City Manager:	<u>Michael Spurgeon</u> <small>Name</small>	 <small>Signature</small>	 <small>Date</small>

This Change is Executed Through:

- This change to the contract documents is authorized by the City Manager's authority in accordance with the applicable state statutes and COBA Code of Ordinances or
- This change to the contract documents was approved at the City Council/BAMA meeting held on : _____

Lynn Lane WWTP Disinfection Improvements
CO No. 2: Emergency By-Pass System

Included within this document is a price breakdown, final directive, and supporting documentation for subcontractors & suppliers. Once material and equipment have been procured, it will take approximately 2 weeks to complete the installation.

CO No. 2	\$77,327.35
Additional Construction Insurance.....	\$347.97
Charge to MEP Allowance.....	\$26,275.11
Charge to Change Order	\$51,400.21
Total Cost.....	\$77,675.32

Respectfully,

Kassidy Lemons – Project Manager
Crossland Heavy Contractors
(785) 230-0152
Klemons@heavycontractors.com

COST BREAKDOWN FOR SUPPORT OF ALLOWANCE AUTHORIZATION

Reference Document:

Contract No.: LLWWTP Disinfection Improvements
 Project No.: 22O01SP
 Contractor: Crossland Heavy Contractors

Date: 02/06/25

Description of Work: Emergency By-pass System

Materials:

Items	Units	Cost	Quantity	Amount
Electric Actuator	LS	\$27,571.00	1.00	\$27,571.00
Equipment STS	LS	\$100.00	1.00	\$100.00
			Sub-Total	\$27,671.00
			10% Profit	\$2,767.10
			Total	\$30,438.10

Labor:

Job Title	Rate/Hr.	Total Hrs.	Amount
Laborer	\$40.21	8.00	\$321.68
Assistant Superintendent	\$90.00	80.00	\$7,200.00
		Sub-Total	\$7,521.68
		15% Profit	\$1,128.25
		Total	\$8,649.93

Payroll Additives:

Item	% of Labor	Amount	
Insurance	8.00%	\$601.73	
Bond	1.00%	\$75.22	
Social Security	7.65%	\$575.41	
Taxes	3.80%	\$285.82	
Worker's Compensation	22.00%	\$1,654.77	
Employee Fringe Benefits	20.00%	\$1,504.34	
		Total	\$4,697.29

Equipment:

Type	Cost/Hr.	Total Hrs.	Amount
Pickups	\$13.56	80.00	\$1,084.80
			\$0.00
			\$0.00
			\$0.00
			\$0.00
		Total	\$1,084.80

Sub-Contractor Cost:

Items	Cost	Quantity	Amount	
OCE	\$19,006.57	1.00	\$19,006.57	
RLC	\$10,500.00	1.00	\$10,500.00	
			\$0.00	
			\$0.00	
			\$0.00	
			Sub-Total	\$29,506.57
			10% Profit	\$2,950.66
			Total	\$32,457.23

Contractor Cost	\$70,481.34
Contractor Profit	\$6,846.01
Contractor Total	\$77,327.35

Total Lump Sum Cost for Work Described	\$77,327.35
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If Not Lump Sum, Cost Per Unit	Total Cost
	Quantity

Contractor's Signature

Printed Name: Kassidy Lemons

For your review. Just want to make sure yall are good with this, and our assumptions are valid. Below is control methodology attached is our updated drawing and schematics. Hopefully this is enough upon approval to get a quote from crossland

Our proposed control would be:

When the FILTER INFLUENT HIGH LEVEL is detected from float switch 200LSHH02, 11-PLC opens the filter bypass gate.

The gate would remain open until someone acknowledges a return to normal flow.

When normal flow is acknowledged 11-PLC will then close the bypass gate, or the gate actuator may be operated by hand (open/close) locally.

If the UV INFLUENT HIGH LEVEL is detected from float switch 200LSHH03 a “NO FLOW” indication is communicated to the UV control panel via Ethernet from the SCADA system.

The UV control panel will then open the gates to all the UV vessels for unrestricted flow in this condition.

The system would remain in this high flow state until someone acknowledges a return to normal flow (same acknowledgment as above).

When normal flow is acknowledged the “NO FLOW” indication to the UV CP will cease, and the UV system will return to normal operation.

Expected Equipment and Material

Gate actuator and (2) float switch installations.

Junction boxes and I/O terminals for gate actuator and float switches.

Conduit and conductors from (a single 14GA 15-conductor cable or equal would work) the UV/Filter area to the existing 11-PLC control panel. (We need confirmation of an existing spare conduit in the duct bank that was just installed between the new disinfection facility and existing electrical building where 11-PLC is located.)

Power conduit and conductors from 480V panel 20DP2 to gate actuator.

PLC/SCADA programming and I/O termination at existing 11-PLC will also be required.

Bryce Callies, PE, CFM, PMP

Garver

405-928-6344



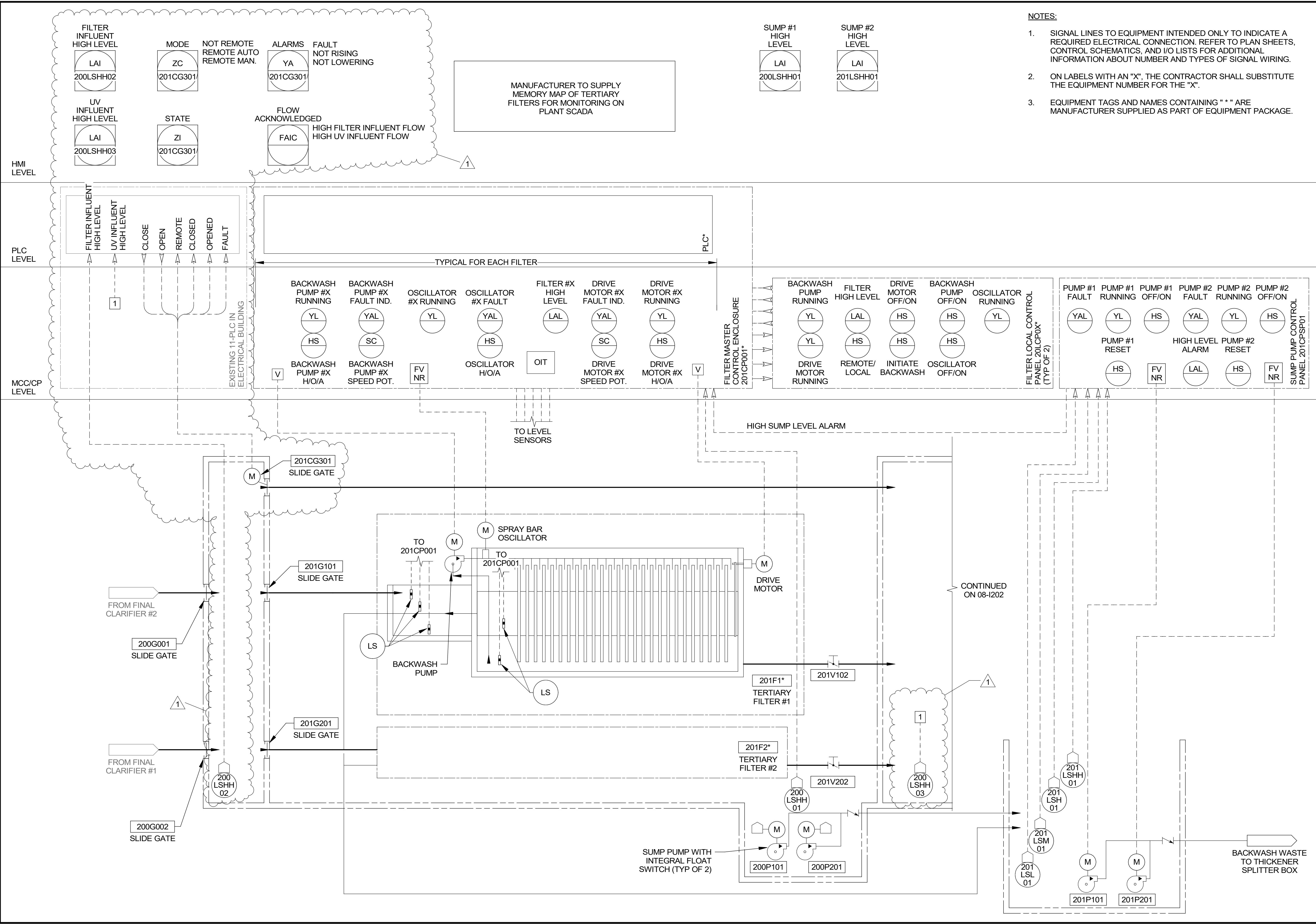
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OK COA # 4193
 EXPIRES 06/30/2022

NOTES:

1. SIGNAL LINES TO EQUIPMENT INTENDED ONLY TO INDICATE A REQUIRED ELECTRICAL CONNECTION. REFER TO PLAN SHEETS, CONTROL SCHEMATICS, AND I/O LISTS FOR ADDITIONAL INFORMATION ABOUT NUMBER AND TYPES OF SIGNAL WIRING.
2. ON LABELS WITH AN "X", THE CONTRACTOR SHALL SUBSTITUTE THE EQUIPMENT NUMBER FOR THE "X".
3. EQUIPMENT TAGS AND NAMES CONTAINING "*" ARE MANUFACTURER SUPPLIED AS PART OF EQUIPMENT PACKAGE.

MANUFACTURER TO SUPPLY MEMORY MAP OF TERTIARY FILTERS FOR MONITORING ON PLANT SCADA



CONTINUED ON 08-1202

Revit File: BM 360/20W02210 - Broken Arrow LLWTP Disinfection Imp/BAMALL_01-GENERAL.rvt
 Plot Date: 10/20/2024 1:48:40 PM

REV	DATE	DESCRIPTION	BY
1	9/13/24	CHANGE ORDER 1	RDT

BROKEN ARROW MUNICIPAL
 AUTHORITY
 BROKEN ARROW, OK
 LYNN LANE
 WASTEWATER
 TREATMENT PLANT
 DISINFECTION IMPROVEMENTS

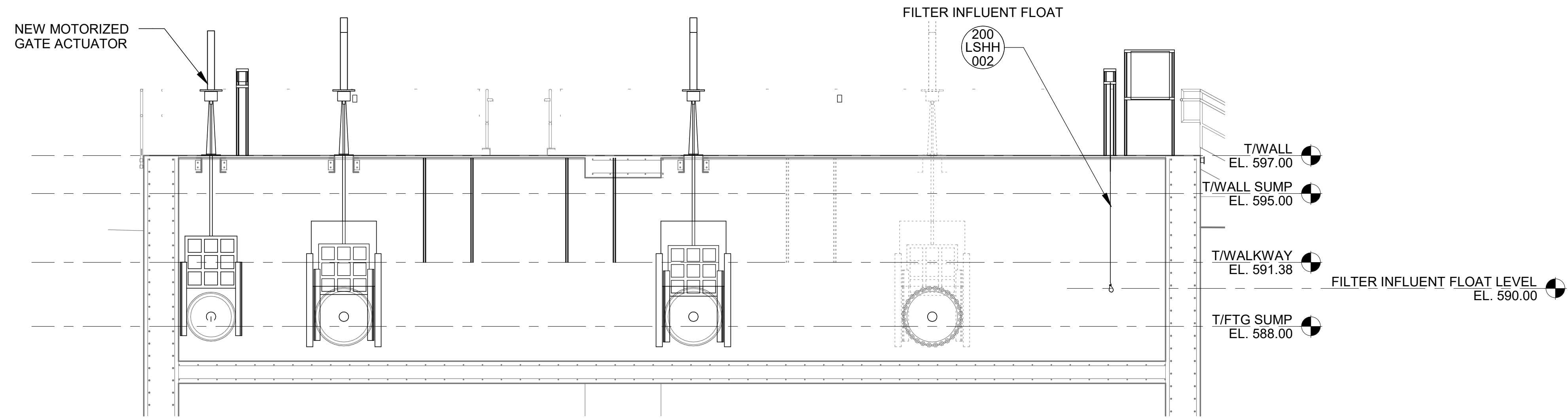
TERTIARY
 FILTRATION P&ID

JOB NO.: 20W02210
 DATE: DEC. 2021
 DESIGNED BY: WDC
 DRAWN BY: SAH
 CHECKED BY: JCW

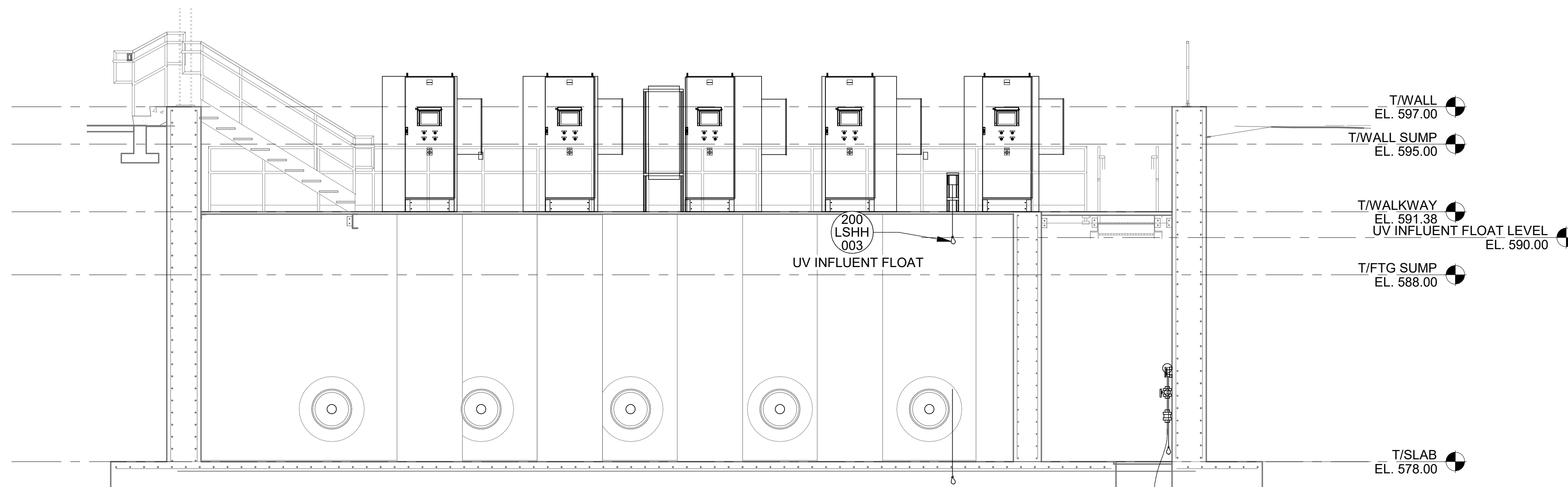
BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
08-1201
 SHEET NUMBER
20



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2
 20-E101 | 20-E301 SCALE: 1/4" = 1'-0"



1
 20-E101 | 20-E301 SCALE: 1/4" = 1'-0"

REV	DATE	DESCRIPTION	BY

BROKEN ARROW MUNICIPAL AUTHORITY
 BROKEN ARROW, OK
 LYNN LANE WASTEWATER TREATMENT PLANT
 DISINFECTION IMPROVEMENTS

FLOAT LEVELS

JOB NO.: 20W02210
 DATE: DEC. 2021
 DESIGNED BY: SAH
 DRAWN BY: SAH
 CHECKED BY: SAH

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
20-E301
 SHEET NUMBER

Kassidy Lemons

From: arron swfluids.com <arron@swfluids.com>
Sent: Monday, January 20, 2025 9:06 AM
To: Kassidy Lemons
Subject: Re: LLWWTP Disinfection Improvements

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

I have 30' cables and I wouldn't charge you.

Southwest Fluid Systems, LLC

Cell: (918) 607-4284



From: Kassidy Lemons <klemons@heavycontractors.com>
Sent: Monday, January 20, 2025 9:03:47 AM
To: arron swfluids.com <arron@swfluids.com>
Subject: RE: LLWWTP Disinfection Improvements

This is for a CO, so we would need approval before I accepted anything. I assume these are the same because you had the floats on hand when we were looking for them before.

Would you mind sending me a Quote for two of the floats? Not sure what you have on hand, but 20' would work fine.



Kassidy Lemons
Project Manager
14149 E. Admiral Pl.
Tulsa, OK 74116

C: 785-230-0152
klemons@heavycontractors.com
website: www.heavycontractors.com
Connect with us:  

Please consider the environment before printing this e-mail.

From: arron swfluids.com <arron@swfluids.com>
Sent: Monday, January 20, 2025 8:57 AM
To: Kassidy Lemons <klemons@heavycontractors.com>
Subject: Re: LLWWTP Disinfection Improvements

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kassidy,

I did not provide the control systems for this job but, if I were a guessing man, I would believe that they would use the ANCHOR SCIENTIFIC Roto-Floats. If you need a couple I can drop them off today.
[Anchor Scientific S30NO Roto-Float – Technical Sales Corporation](#)

Thanks,

Arron Montross

Southwest Fluid Systems, LLC
4815 South Harvard Ave., Suite 298
Tulsa, OK 74135

(918) 398-7047 Office
(918) 607-4284 Cell

Website: [Southwest Fluid Systems | Wastewater Transport & Treatment](#)

From: Cassidy Lemons <klemons@heavycontractors.com>
Sent: Monday, January 20, 2025 8:43 AM
To: arron swfluids.com <arron@swfluids.com>
Subject: LLWWTP Disinfection Improvements



Arron,

We have received the directive attached. I requested clarification on the floats and the EOR confirmed that they want to match what was previously installed for the pumps. Looking back through our submittals, I do not believe we ever submitted on them, so I do not have any information as far as manufacture/model. Are you able to go back and look at what was ordered for this project and provide a quote for two additional floats? Since I do not have any information on them, it would be great if you could supply a submittal on them as well.

Thank you!

CROSSLAND
HEAVY CONTRACTORS

Kassidy Lemons
Project Manager
14149 E. Admiral Pl.
Tulsa, OK 74116

C: 785-230-0152
klemons@heavycontractors.com
website: www.heavycontractors.com
Connect with us:  

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Phone (405) 562 5436 Fax (405) 757 2347
 755 W. Covell, Suite 170, Edmond, OK 73003

*****QUOTATION*****

TO: **City of Broken Arrow**

DATE: **10/31/2024**

PAGES: **1**

ATTN:

MAKE P.O. ORDER

TO: **Environmental Improvements inc.**

REF: **Lynn Lane WWTP**

TERMS:

BY: **Eric Cantrell**
(405) 888-0453
ecantrell@ei2water.com

DELIVERY: **TBA**

ENGINEER: **None**

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY THE MANUFACTURER

QTY	DESCRIPTION	NET COST EACH	EXTENDED COST
	IQ35 - 29RPM, 460/3/60, 4-20mA FOLO/CPT, FA16, Z-3 base cut to make a bushing Adaption plate to plate, need to confirm FA10 pattern from old gear Machining of the acme Complete Survey of acme shaft and existing stand. Removal of the old gear and Installation of new actuator *****MVA not responsible for wiring up and startup*****	\$27,571.00	\$27,571.00
	TOTAL		\$27,571.00

Please Note Pricing is Valid for Thirty- (30) Days from the date of quotation.

Should you have any questions, comments, or need further information please feel free to contact me.

Respectfully,

Eric Cantrell

Kassidy Lemons

From: Travis Sills
Sent: Thursday, November 7, 2024 9:30 AM
To: Kassidy Lemons
Subject: Lynn Lane

The cost for that Builders Risk coverage is .1% of the value of that change order. Please also add the .35% for Crossland's Liability exposure.

Thanks,

CROSSLAND
CONSTRUCTION COMPANY, INC.

Travis Sills
Director of Business Operations
501 S. East Ave. | P.O. Box 45
Columbus, KS 66725

c: 417-434-0997
t: 620-429-1414
tsills@crossland.com
www.crossland.com



Trust – Responsibility – Integrity – Passion

IMPORTANT!!! Crossland will never request to change ACH/wire transfer information by email. If you receive such a request, please contact the Legal Department at 620-429-1414.

Oil Capital Electric, L.L.C.

3837 W. Vancouver St.
Broken Arrow, OK 74012
Ph: 1-918-317-3255

Change Request

To: Crossland Heavy Contractors

14149 E Admiral PI
Tulsa, OK 74116
ATTN: Cassidy Lemons
PH: 918-438-2800

Number: 8

Date: 2/2/2025

**Job: BA Lynn Lane WWTP
22-10-021101**

Description: Add power and controls to new sluice gate and two LSHH

We are pleased to offer the following specifications and pricing to make the following changes:
Install 480v to sluice gate from DP02. Disconnect at gate is NOT provided as DP02 is within sight of the gate.
Add j-box on spare conduit at the UV structure, install control conduit from j-box to sluice gate and LSHH's.
Add j-box on spare conduit at electrical building, install control conduit to PLC-11.
Install control wires from PLC-11 to sluice gate and LSHH's.
Each LSHH will have a j-box, CGB, and strain relief SS Kellum.
OCE will terminate control wires at LSHH's and sluice gate.
PLC-11 terminations by others.

The total amount to provide this work is \$19,006.57
(Please refer to the attached sheet for details.)

If you have any questions, please contact me at (918)940-3551.

Submitted Brian Filak
Oil Capital Electric LLC

Oil Capital Electric, L.L.C.

3837 W. Vancouver St.
Broken Arrow, OK 74012
Ph: 1-918-317-3255

**Change Request Price Breakdown
Continuation Sheet**

Description: Add power and controls to new sluice gate and two LSHH

Description	Labor	Material	Equipment	Subcontract	Price
Tools & Incidentals			\$1,230.00		\$1,230.00
Material		\$7,205.00			\$7,205.00
Labor	\$8,843.70				\$8,843.70
Subcontractor				\$0.00	\$0.00

			Subtotal:	\$17,278.70
	OH/P	\$17,278.70	10.00%	\$1,727.87

Total: \$19,006.57

RLC Controls, Inc.

Serving your Instrumentation Needs

*Main Address: 8115 Hicks Hollow
McKinney, TX 75071
Phone: 214-683-8185*

BID DATE: 1-24-2025
PROJECT: Broken Arrow, Lynn Lane WWTP
UV Slide Gate and Hi Level Alarms
ENGINEER: Garver

RLC, Inc. is pleased to provide pricing for this project as an Instrumentation & Controls Subcontractor:

THIS QUOTE INCLUDES THE FOLLOWING:

- A. RLC will provide labor to add the Slide gate and Hi Level float I/O to existing PLC-11.
- B. RLC will provide all programming and HMI modifications to add the new Slide gate and Hi Level to SCADA.
- C. RLC will work with the UV supplier to send I/O needed to them over existing ethernet communications.
- D. RLC will test all I/O and programming changes and provide training.

Proposal Clarifications & Exclusions

- 1. Pricing does NOT include the following services and equipment:
 - a. Programming in UV PLC.
 - b. Furnishing or installation of any panel racks, instrument racks or mounting plates, conduit raceway, duct banks, wire, etc. required to connect instruments and associated panels. Or placement of fiber cable in conduit.
 - c. Furnishing or installation of any electrical power and specialty panels/products including switchgear, MCCs, distribution panels, AFD's/VFD's, disconnects, heat tracing, power monitor devices, auxiliary panels for VCP's, etc.
 - d. Physical installation of related enclosures.

- e. Any equipment or work associated with Vendor Provided equipment or panels including terminations, testing, programming, surge protection, communications equipment, etc.
 - f. Mechanical installation of in-line devices (flow meters, valves, etc.).
 - g. Furnishing and installation of stilling wells, piping saddles, mating flanges/sleeves, process taps, and isolating valves required to connect field instrumentation.
 - h. Concrete work, core drilling, housekeeping/equipment pads, antenna tower foundations, etc.
 - i. "Civil" work including building and vessel modifications, asphalt demolition/patching, concrete foundations/piers, etc. Jobsite storage, handling or protection of equipment delivered to the jobsite and received in good order.
 - j. Insulation of Heat Trace or any piping devices.
 - k. Sales tax or bonding cost. Payment and/or Performance Bond pricing can be added by request.
2. Pricing includes all Per Diem and Travel Costs.
 3. Pricing is based on progressive invoicing and to include payment for properly stored material. Payment terms to be net thirty days.
 4. Bid valid for sixty (60) days.

Total Bid \$ 10,500.00

TERMS: Net due in thirty (30) days from date of invoice.

TAXES: Excluded

FREIGHT: FOB Jobsite; freight allowed.

INSURANCE: RLC carries builder's risk and general liability insurance as required by project specifications. Any additional insurance, such as being named on our policy, can be provided at an additional Cost.

This quote is valid for 60 days.

RLC Controls, Inc.

Kyle Robinson