

Potential Change Orders								
Project:		Town Branch Thickening Process Upgrades Lexington, Kentucky Contract #	Key Ow = Owner Om = Omission A/E = Architect/Engineer C = Contractor					
No.	Date	Brief Description	Price	Change Requested by				CO No.
				Ow	A/E	C	Om	
1	3/26/2019	Centrifuge Control Panel Changes Control Panel to be relocated to existing concrete equipment pad and existing spare conduit to be utilized. Control Panel to be single NEMA 4x with AC unit. Changes to circuit sizing.	\$10,670.00		X			1
2	5/7/2019	Addition of three plug valves and one check valve Addition of check valve to the chopper pump in Primary Sludge Pump Station No. 2 and 3 plug valves in the Gravity Thickener Building.	\$9,538.00				X	1
3	5/22/2019	Changes to Primary Sludge PS MCC Changes to motor control center configurations to prevent paralleling of 2 sources. MCCs to be configured to allow replacement of 3 VFDs at a time.	\$43,924.00	X				1
4	10/21/2018	Gravity Thickener Tanks Handrail & Grating Credit Replacement of handrails & grating to be removed from contract. Handrails and grating to instead be power washed and loose or missing fasteners to be replaced.	(\$25,163.00)			X		1
5	10/18/2019	Magnetic Flow Meter Changes Electrical & Instrumentation for flow meters in Gravity Thickener Building and Solids Processing Building. Extra labor for installation of flow meter in RAS/WAS Building. Additional flow meter not shown in all drawings in Gravity Thickener Building.	\$13,323.00			X		2
6	9/24/2019	Mixer Control Circuit Changes Modification to MCC mounted starter for MinCAS pump monitorin gunit and motor winding overtemperature and seal leak protection.	\$2,380.00				X	2
7	9/24/2019	DCU-H Modifications Modifications to DCU-H in gravity thickener building including connections to MCC-I and any SCADA changes to integrate the new ID into DCU-H	\$8,198.00	X				2
8	10/28/2019	Pump Station #2 Pump Orientation Orientation of pumps modified to give greater amount of working space around pumps.	\$7,443.00		X			2
9	10/29/2019	Elimination of Handrails on Roof Handrails around HVAC equipment on roof removed from contract.	(\$5,405.00)	X				2
10	12/5/2019	Odor Control Dampers Reinserting dampers to odor control system that were omitted from drawings.	\$3,332.00				X	2
11	12/6/2019	Roof Vent Insulation Changes Contractor replace HVAC roof penetrations due to rotting and added insulation to allow roof to drain properly	\$3,776.00			X		2
13	12/30/2019	Lighting Fixtures Replace additional lighting fixtures in Pump Stations #1 & #2	\$5,443.00	X				2
14	1/10/2020	Odor Control Media Changed odor control media to washable type media. Required modifications to tank.	\$4,531.00	X				2
15	2/26/2020	Door/Window Changes Credit resulting from the difference between original scope of door and window replacement and the new scope as negotiated between LFUCG and Witts Klein	(\$2,120.00)	X				2
16	2/27/2020	Grinder Disconnects Installation of local disconnects on grinder pumps	\$4,264.00	X				2
Page TOTAL			\$83,318.00					

Summary Chart for Change Order #2

Project:		Town Branch Thickening Process Upgrades Lexington, Kentucky Contract #	Key Ow = Owner Om = Omission A/E = Architect/Engineer C = Contractor					
No.	Date	Brief Description	Price	Change Requested by				CO No.
				Ow	A/E	C	Om	
5	10/16/2019	Magnetic Flow Meter Changes Electrical & Instrumentation for flow meters in Gravity Thickener Building and Solids Processing Building. Extra labor for installation of flow meter in RASWAS Building. Additional flow meter not shown in all drawings in Gravity Thickener Building.	\$13,323.00			X		2
6	9/24/2019	Mixer Control Circuit Changes Modification to MCC mounted starter for MiniCAS pump monitorin gunit and motor winding overtemperature and seal leak protection.	\$2,380.00				X	2
7	9/24/2019	DCU-H Modifications Modifications to DCU-H in gravity thickener building including connections to MCC-I and any SCADA changes to integrate the new IO into DCU-H	\$9,199.00	X				2
8	10/29/2019	Pump Station #2 Pump Orientation Orientation of pumps modified to give greater amount of working space around pumps.	\$7,443.00		X			2
9	10/29/2019	Elimination of Handrails on Roof Handrails around HVAC equipment on roof removed from contract.	(\$5,468.00)	X				2
10	12/6/2019	Odor Control Dampers Reinserting dampers to odor control system that were omitted from drawings.	\$3,332.00				X	2
11	12/6/2019	Roof Vent Insulation Changes Contractor replace HVAC roof penetrations due to rotting and added insulation to allow roof to drain properly	\$3,776.00			X		2
13	12/30/2019	Lighting Fixtures Replace additional lighting fixtures in Pump Stations #1 & #2	\$5,443.00	X				2
14	1/10/2020	Odor Control Media Changed odor control media to washable type media. Required modifications to tank.	\$4,631.00	X				2
15	2/26/2020	Door/Window Changes Credit resulting from the difference between original scope of door and window replacement and the new scope as negotiated between LFUCG and Willis Klein	(\$3,939.00)	X				2
16	2/27/2020	Grinder Disconnects Installation of local disconnects on grinder pumps	\$4,284.00	X				2
Page TOTAL			\$44,266.00					

PCO # 5



John Martin, PE
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

10/18/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #05 revised– Magnetic Flow Meter Changes

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #05-r for your review compiled in accordance with the change order pricing procedures.

In follow up to RFI 006, RFI 019, RFI 020 and Field Order #6, Dugan & Meyers proposes to provide the flow meter equipment changes in the Thickener Building and Div. 26 electrical work associated with several meters for the lump sum amount of \$13,323.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal. The above referenced RFIs and FO were required for the division 26 and 40 contractors to provide for the work and as such D&M has drafted this PCO for your review.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

DUGAN & MEYERS LLC

Daniel Haney

Digitally signed by Daniel Haney
DN: C=US,
E=dhaney@dugan-meyers.com,
O=Dugan & Meyers LLC,
OU=Portland CSO, CN=Daniel
Haney
Date: 2019.10.18 08:54:29-04'00'

CHANGE ORDER PRICING

Date: **8/8/2019**

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: PCO #05-r
 Description: Mag Flow Meter Changes

10/18/2019

			TOTALS	
A.	LABOR	<u>See Attached</u>	\$	<u>520.00</u>
B.	EQUIPMENT	<u>See Attached</u>	\$	<u> </u>
C.	FUEL	<u>See Attached</u>	\$	<u> </u>
D.	SERVICE	<u>See Attached</u>	\$	<u> </u>
E.	MATERIALS	<u>See Attached</u>	\$	<u>2,438.48</u>
	Subtotal (A,B,C,D,E):			<u>\$2,958</u>
F.	OVERHEAD & PROFIT:	<u>15%</u> (on items A,B,C,D,E).....		<u>\$444</u>
G.	SALES TAX ON MATERIALS	<u>6%</u> (No Markup)		<u>\$146</u>
			Subtotal (A thru G):	
				<u>\$3,549</u>
H.	SUBCONTRACTOR	<u>See Attached</u>	\$	<u>1,038.22</u>
I.	SUBCONTRACTOR MARKUP	<u>5%</u> (markup is = 5%)		<u>\$452</u>
			Subtotal (H and I):	
				<u>\$9,490</u>
J.	Small Tools	<u>3.00%</u> (% of Labor)		<u>\$16</u>
K.	Insurance, Bond	<u>2.06%</u> (No Markup)		<u>\$269</u>
	TOTAL (A thru G) + (H and I) + J + K			<u>\$13,123</u>
	GRAND TOTAL THIS CHANGE		TOTALS	<u>\$13,123</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
Restraint Flange Coupling Adapter (Cut-in Mag Meter in RAS/WAS PS)	2	EA	\$230.13	
Rosemount 4" Magnetic Flow Meter and Transmitter (Intelimodus)	1	EA	\$2,139.68	\$ 2,139.68
Increase Mag Flow Meter FE-7001 from 6" to 8"	1	EA	\$298.80	\$ 298.80
				\$ -
			Subtotal	\$ 2,438.48
Labor				
				\$ -
Project Engineer	8	mhrs	\$65.00	\$ 520.00
Cut-in Mag Meter in RAS/WAS Pump Station				\$ -
Pipefitter	12	mhrs	\$43.75	
Laborer	8	mhrs	\$38.75	
				\$ -
			Subtotal	\$ 520.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
TEM FO #6 (see attached quote)	1	LS	\$12,327.14	
Revised - TEM FO #6 (see attached quote)	1	LS	\$9,038.22	\$ 9,038.22
				\$ -
			Subtotal	\$ 9,038.22

CHANGE ORDER REQUEST



Change Order Request # Revised - 6

Date: 10/14/19

TEM Project # 19-02

Project Name: LFUCG - Town Branch WWTP Thickening Process Upgrades Project

Description:

C.O. #6 - Field Order #6 - Pricing includes TEM mounting (3) Flow Transmitters (furnished by others). Furnishing and installing Conduit, Supports, ground wire and pulling in Flow Meter Cable (furnished by others) to (3) Electromagnetic Flowmeters (furnished and installed by others). Furnishing and installing Conduit, Supports and wiring for 120V and control circuits required to the new Flow Transmitters. Terminal points required in the existing PLC Cabinets for the new control circuits will be provided by others.

LABOR

LABOR TYPE	MAN HOURS	\$/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	60	\$ 32.00	\$ 7.04	\$ 6.00	\$ 2,702.40
PM	4	\$ 45.00	\$ 15.00		\$ 240.00
					\$ -

SUB TOTAL "L" \$ 2,942.40

DJE	MAN HOURS	RATE	TOTAL
ELECTRICIAN	60	\$ 5.32	\$ 318.90

SUB TOTAL "DJE" \$ 318.90

EQUIPMENT

DESCRIPTION	MAN HOURS	RATE	TOTAL
Jobsite pick up	20	\$ 13.50 HR	\$ 270.00
PM pick up	4	\$ 13.50 HR	\$ 54.00
			\$ -

SUB TOTAL "E" \$ 324.00

SUBCONTRACTOR

NAME	TOTAL
	\$ -
	\$ -

SUB TOTAL "S" \$ -

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	KY TAX	TOTAL
Miscellaneous Materials	1	\$ 4,000.00	\$ 240.00	\$ 4,240.00
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -

SUB TOTAL "M" \$ 4,240.00

TOTAL "L,DJE E,S,M" \$ 7,825.30

OVERHEAD 5% \$ 391.27

SUBTOTAL \$ 8,216.57

PROFIT 10% \$ 821.66

TOTAL \$ 9,038.22

PCO #6



John Martin, PE
GRW Engineers
801 Corporate Drive
Lexington, KY 40503.

9/24/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #06 – Field Order #7 Mixer Control Circuit Changes

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #06 for your review compiled in accordance with the change order pricing procedures.

In follow up to Field Order #7, Dugan & Meyers proposes to provide the changes to the submersible mixer control circuit for the lump sum amount of \$2,380.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Daniel Haney

Digitally signed by Daniel Haney
DN: C=US,
E=dhaney@dugan-meyers.com,
O=Dugan & Meyers LLC, OU=Portland
CBC, CN=Daniel Haney
Date: 2018.09.25 06:54:44-0400'

DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 9/24/2019

Project No.: 12038
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: PCO #06
 Description: FO #7 Mixer Control Circuit Changes

				TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$	<u>520.00</u>
B.	EQUIPMENT	<u>See Attached</u>	_____	\$	<u>-</u>
C.	FUEL	<u>See Attached</u>	_____	\$	<u>-</u>
D.	SERVICE	<u>See Attached</u>	_____	\$	<u>-</u>
E.	MATERIALS	<u>See Attached</u>	_____	\$	<u>-</u>
Subtotal (A,B,C,D,E):					<u>\$520</u>
F.	OVERHEAD & PROFIT:	<u>15%</u> (on Items A,B,C,D,E).....			<u>\$78</u>
G.	SALES TAX ON MATERIALS	<u>6%</u>			<u>\$0</u>
				Subtotal (A thru G):	<u>\$598</u>
H.	SUBCONTRACTOR	<u>See Attached</u>		\$	<u>1,637.09</u>
I.	SUBCONTRACTOR MARKUP	<u>5%</u>		\$82	<u>\$1,719</u>
				Subtotal (H and I):	<u>\$1,719</u>
J.	Small Tools	<u>3.00%</u>			<u>\$16</u>
					<u>\$16</u>
K.	Insurance, Bond	<u>2.06%</u>			<u>\$48</u>
					<u>\$48</u>
TOTAL (A thru G) + (H and I) + J + K					<u>\$2,380</u>
GRAND TOTAL THIS CHANGE				TOTALS	<u>\$2,380</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
				\$ -
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Labor				
				\$ -
Project Engineer	8	mhrs	\$65.00	\$ 520.00
		mhrs		\$ -
		mhrs		\$ -
				\$ -
			Subtotal	\$ 520.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
TEM FO #8	1	LS	\$1 637.09	\$ 1 637.09
				\$ -
			Subtotal	\$ 1,637.09



engineering | architecture | geospatial

Field Order

Field Order No.: 07	Project No.: 4649
Date: 2019-06-25	Owner: Lexington-Fayette Urban County Government
Project: Thickening Process Upgrades	Contractor: Dugan and Meyers

The Contractor is directed to execute this Field Order which interprets the Contract Documents or which orders minor revisions in the Work. By executing this Field Order the Contractor waives all subsequent claims for additional time and/or compensation for extra work related to this Field Order.

In the event that the execution of this Field Order entitles the Contractor to claim additional time and/or compensation, the Contractor must submit a proposal for review by the Engineer. No compensable work is to be performed until a Change Order has been executed by the Owner and by the Contractor.

See attached drawing and note the areas shown clouded. The new sludge agitator (submersible mixer) replacing the existing paddle mixer at the gravity thickener distribution box requires a MiniCAS pump monitoring unit (furnished with mixer) to be installed in the existing MCC mounted starter for motor winding overtemperature and seal leak protection. Modify the existing starter bucket as required to accept the new MiniCAS unit, reset switch and pilot lights. Existing starter components are shown in light pen (shaded) on the attached drawing. (2)#12 AWG conductors shall be routed along with the mixer power conductors for winding thermostat/seal leak sensor connection. These conductors shall take the place of the disconnect switch auxiliary wiring shown on sheet E-03-102. The submersible pump power/control cable shall connect to the new equipment disconnect switch via strain relief cable gland connector. The pump power/control cable shall transition to signal conductor wiring inside the new disconnect switch. Control wiring for new local on-off control station shall be routed along with pump power/control conductors to MCC-I in lieu of separate 3/4" C as shown on sheet E-03-102.

ARCHITECT-ENGINEER:



 6/25/2019
 DATE

CONTRACTOR:

 DATE

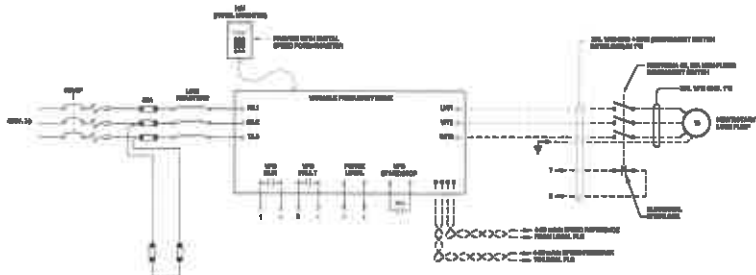
CC:

 Tiffany Rank, LFUCG

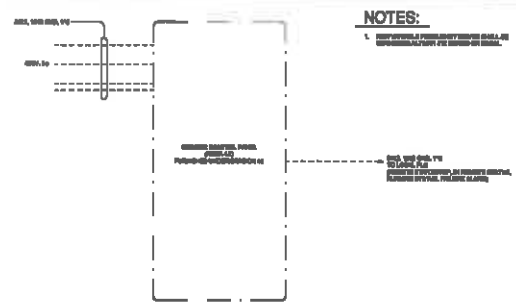
 Rick Bowman, LFUCG

ATTACHMENTS:

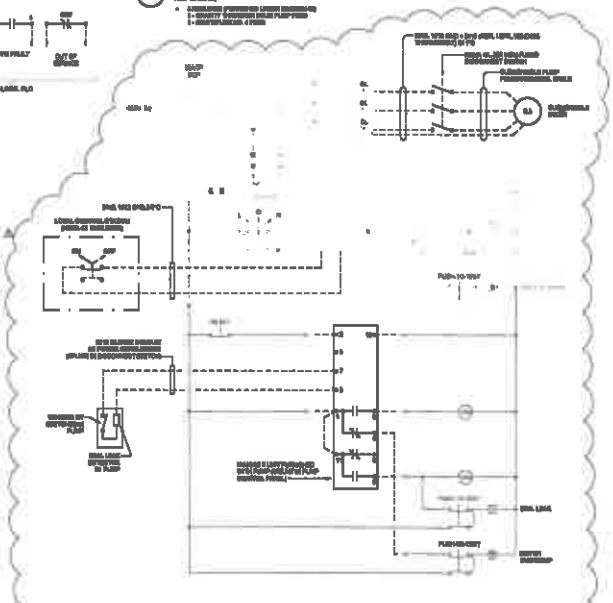
 E-03-702



1 CONTROL CIRCUIT - ROTARY LOBE SLUDGE PUMP
PRIMARY SLUDGE PUMP STATION NO. 1 AND 2



2 FIELD INTERCONNECTIONS - GRINDER PUMP



3 CONTROL CIRCUIT - SLUDGE AGITATOR

NOTES:
1. REFER TO PUMP MOTOR DATA SHEET FOR MOTOR SPECIFICATIONS AND WIRING DIAGRAMS.

COMPONENTS LIST

ITEM NO.	DESCRIPTION	QTY	UNIT
1	...	...	...
2	...	...	...
3	...	...	...

CONTROL CIRCUITS (2 OF 4)

E-00-702

CHANGE ORDER REQUEST

Change Order Request # 7

Date: 09/24/19

TEM Project # 19-02



Project Name: LFUCG - Town Branch WWTP Thickening Process Upgrades Project
Description: C.O. #7 - Field Order #7 - Pricing includes TEM modifying existing starter bucket section 4D in Motor Control Center MCC-1. Modifications to starter will be per detail 3 control schematic on drawing E-00-603. Credit has also been given for the 60 Ft. of 3/4" conduit not needed between control station and MCC-1.

LABOR

LABOR TYPE	MAN HOURS	S/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	8	\$ 32.00	\$ 7.04	\$ 6.00	\$ 360.32
PM	2	\$ 45.00	\$ 15.00		\$ 120.00
					\$ -

SUB TOTAL "L" \$ 480.32

DJE	MAN HOURS	RATE	TOTAL
ELECTRICIAN	8	\$ 5.32	\$ 42.52

SUB TOTAL "DJE" \$ 42.52

EQUIPMENT

DESCRIPTION	MAN HOURS	RATE	TOTAL
Jobsite pick up	8	\$ 13.50 HR	\$ 108.00
PM pick up	2	\$ 13.50 HR	\$ 27.00
			\$ -

SUB TOTAL "E" \$ 135.00

SUBCONTRACTOR

NAME	TOTAL
	0 \$ -
	0 \$ -

SUB TOTAL "S" \$ -

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	KY TAX	TOTAL
Bid Extension Material Total(See Bid Extension & Eaton BOM)	1	\$ 716.56	\$ 42.99	\$ 759.55
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -

SUB TOTAL "M" \$ 759.55

TOTAL "L,DJE,E,S,M" \$ 1,417.39

OVERHEAD 5% \$ 70.87

SUBTOTAL \$ 1,488.26

PROFIT 10% \$ 148.83

TOTAL \$ 1,637.09

Job Name: E-18-041 - LFUCG - Town Branch Thickener Process

Items+ByProducts

Item #	Item Name	Quantity	Price 1	Ext Price 1	Bld Lbr	Bld Lbr Ext	CCode
Category: CCode = <none>							
100,246	Modify Starter Bucket Labor	1.00	\$0.00 X	\$0.00	12.00 E	12.00	
100,247	Eaton Modification Quote	1.00	\$580.00 E	\$580.00	0.00 X	0.00	
100,248	Miscellaneous Materials	1.00	\$350.00 E	\$350.00	0.00 X	0.00	
Totals for CCode				\$930.00		12.00	

Category: CCode = Branch Rough							
4,054	3/4 ALUM CONDUIT	-60.00	\$132.26 C	-\$79.35	3.00 C	-1.80	cb
4,242	3/4 AL LB BODY	-4.00	\$10.27 E	-\$41.08	0.30 E	-1.20	cb
4,476	3/4 AL FLAT COVER	-4.00	\$3.17 E	-\$12.70	0.00 X	0.00	cb
4,485	3/4 AL GASKET	-4.00	\$2.61 E	-\$10.44	0.00 X	0.00	cb
4,735	3/4 ALUM GND MEYERS HUB	-2.00	\$743.51 C	-\$14.87	0.30 E	-0.60	cb
5,245	3/4 SS316 RIGID CONDUIT CL	-8.00	\$2.19 E	-\$17.52	1.50 C	-0.12	cb
Totals for CCode				-\$175.94		-3.72	

Category: CCode = Hangers/Anchors							
6,659	1 1/2 SS KINDORF	-5.00	\$7.50 E	-\$37.50	5.00 C	-0.25	ch
Totals for CCode				-\$37.50		-0.25	

Totals:				\$716.56		8.03	
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Report Totals:

Items+ByProducts

Ext Price 1	Bld Lbr Ext
\$716.56	8.03

CED CONSTRUCTION GROUP
CED CONSTRUCTION GROUP
2710 HOLLOWAY RD
LOUISVILLE KY 40299
TEL: 502 491-5010 FAX: 502 491-7350

SLS: 3402
INSL: 3404
BY: TS
FOB: SHIPPING POINT
FRT: PREPAY & CHARGE

PAGE: 001 OF 001
QUOTE #: 1061228
DATE: 09/24/19
REV #: 000
REV DATE: 09/24/19

CONTACT: TONY

QUOTE FOR: TEM ELECTRIC

ACCT #: P9-47898 TOWN BRANCH THICKENER RENO

QUOTE EXPIRES 10/24/2019

3560 BASHFORD AVE
SUITE # 100
LOUISVILLE, KY 40218
TEL: (502) 454-0101

CUS PO #:
JOB NAME:

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT	
01	1	EATON	LOT PRICE	NEG# LV880924X9K2	580.00	E	580.00	SP
02	*	SEE ATTACHED BILL OF MATERIAL FOR DETAILS						
03	*							

TOTAL: 580.00

PLEASE NOTE: THIS IS NOT AN OFFER TO CONTRACT, BUT MERELY A QUOTATION OF CURRENT PRICES FOR YOUR CONVENIENCE AND INFORMATION. ORDERS BASED ON THIS QUOTATION ARE SUBJECT TO YOUR ACCEPTANCE OF THE TERMS AND CONDITIONS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB SPECIFICATIONS.

INFORMATION COPY

Detail Bill of Material

Project Name: Town Branch
General Order No:

Negotiation No: LV860924X9K2
Alternate No: 0000

Item No.	Qty	Product	Description
	2	Non-Standard EC	Relay Base

Catalog No D7PA9-B1

TEM should have extra bases that arrived this week. Minimum qty 10 per package

Item No.	Qty	Product	Description
	1	30mm Pilot Devices	30MMPD RESET

Catalog No 10250T30B

Qty	List of Materials
1	FLUSH PB BK 1NO 1NC
1	30MM CONT BLK 1NC

Item No.	Qty	Product	Description
	2	Relays & Timers	DPDT RELAY 120VAC COIL

Catalog No D7PR2A

Qty	List of Materials
2	DPDT RELAY 120VAC COIL

Item No.	Qty	Product	Description
	1	NEMA 30mm Pilot Devices	PLASTIC LENS BUTTON AMBER

Catalog No 10250TC43

Qty	List of Materials
1	PLASTIC LENS BUTTON AMBER

Item No.	Qty	Product	Description
	1	NEMA 30mm Pilot Devices	PLASTIC LENS BUTTON RED

Catalog No 10250TC21

Qty	List of Materials
1	PLASTIC LENS BUTTON RED



Detail Bill of Material

Project Name: Town Branch
General Order No:

Negotiation No: LV880924X9K2
Alternate No: 0000

Item No.	Qty	Product	Description
	2	NEMA 30mm Pilot Devices	PRSTST IND LGT 120V/XFR IND LGT

Catalog No 10250T221N

Qty	List of Materials
2	PRSTST IND LGT 120V/XFR IND LGT

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.

Steve Dunsford

PCO # 7



John Martin, PE
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

9/24/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #07 – Field Order #8 DCU-H Modifications

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #07 for your review compiled in accordance with the change order pricing procedures.

In response to Field Order #8, Dugan & Meyers proposes to provide the changes to DCU-H for the lump sum amount of \$9,199.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 9/25/2019

Project No.:	<u>12630</u>	Change Order No.:	<u>PCO #97</u>
Project Name:	<u>Town Branch Thickening Process Upgrades</u>	Description:	<u>Field Order #8 DCU-H Modifications</u>
Contractor:	Dugan & Meyers		
Engineer:	GRW Engineering		

				TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$	<u>860.00</u>
B.	EQUIPMENT	<u>See Attached</u>	_____	\$	<u>-</u>
C.	FUEL	<u>See Attached</u>	_____	\$	<u>-</u>
D.	SERVICE	<u>See Attached</u>	_____	\$	<u>-</u>
E.	MATERIALS	<u>See Attached</u>	_____	\$	<u>2,937.00</u>
		Subtotal (A,B,C,D,E):			<u>\$3,817</u>
F.	OVERHEAD & PROFIT:	<u>15%</u> (on items A,B,C,D,E).....			<u>\$573</u>
G.	SALES TAX ON MATERIALS	<u>6%</u>			<u>\$177</u>
	(No Markup)				
			Subtotal (A thro G):		<u>\$4,567</u>
H.	SUBCONTRACTOR	<u>See Attached</u>		\$	<u>1,110.17</u>
L.	SUBCONTRACTOR MARKUP	<u>5%</u>		\$211	
	(markup is = 5%)		Subtotal (H and L):		<u>\$1,421</u>
J.	Small Tools	<u>3.00%</u>			<u>\$26</u>
	(% of Labor)				
K.	Insurance, Bond	<u>2.06%</u>			<u>\$185</u>
	(No Markup)				
		TOTAL (A thro G) + (H and L) + J + K			<u>\$9,199</u>
		GRAND TOTAL THIS CHANGE		TOTALS	<u>\$9,199</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
Intellimodus FO #8 (see attached quote)	1	LS	\$ 2,957.00	\$ 2,957.00
				\$ -
				\$ -
				\$ -
			Subtotal	\$ 2,957.00
Labor				
				\$ -
Project Engineer	8	mhrs	\$65.00	\$ 520.00
Project Supt. (support IO testing)	4	mhrs	\$85.00	\$ 340.00
		mhrs		\$ -
				\$ -
			Subtotal	\$ 860.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
TEM FO #8	1	LS	\$4,210.17	\$ 4,210.17
				\$ -
			Subtotal	\$ 4,210.17



engineering | architecture | geospatial

Field Order

Field Order No.: 08	Project No.: 4649
Date: 2019-08-29	Owner: Lexington-Fayette Urban County Government
Project: Thickening Process Upgrades	Contractor: Dugan and Meyers

The Contractor is directed to execute this Field Order which interprets the Contract Documents or which orders minor revisions in the Work. By executing this Field Order the Contractor waives all subsequent claims for additional time and/or compensation for extra work related to this Field Order.

In the event that the execution of this Field Order entitles the Contractor to claim additional time and/or compensation, the Contractor must submit a proposal for review by the Engineer. No compensable work is to be performed until a Change Order has been executed by the Owner and by the Contractor.

See attached drawing. New IO for PLC-H is required for existing equipment associated with the gravity thickeners. SCADA IO wiring for existing equipment connects to PLC-A in the Headworks Building. All IO wiring is routed from the respective field device to existing MCC-I in the Gravity Thickener Building. Inside MCC-I the conductors are spliced and extended to PLC-A.

Contractor shall install (50)#12 and (1)#12 GND in 2" C from DCU-H to MCC-I. This is in addition to the conductors shown on sheet E-03-102, keynote 32. Of these conductors, (12) shall splice into existing conductors inside MCC-I from existing sludge grinder pumps. The remaining (38) conductors shall terminate at existing MCC mounted devices as indicated on the attached drawing.

Refer to keynote 31 on contract drawing E-03-102. Contractor shall install (10)#16 STP (4-20mA dc analog control cables) in 2" C from MCC-I to DCU-H in lieu of (8)#16 STP. The (2) additional cables are for analog signals from the main circuit breaker power meters in MCC-I.

Any required SCADA programming changes, IO modules, etc. shall be provided to integrate the new IO into new into DCU-H. Existing graphics and control strategies shall be reused where possible.

ARCHITECT-ENGINEER:

CONTRACTOR:

 9/5/2019
DATE

DATE

CC:

ATTACHMENTS:

Tiffany Rank, LFUCG

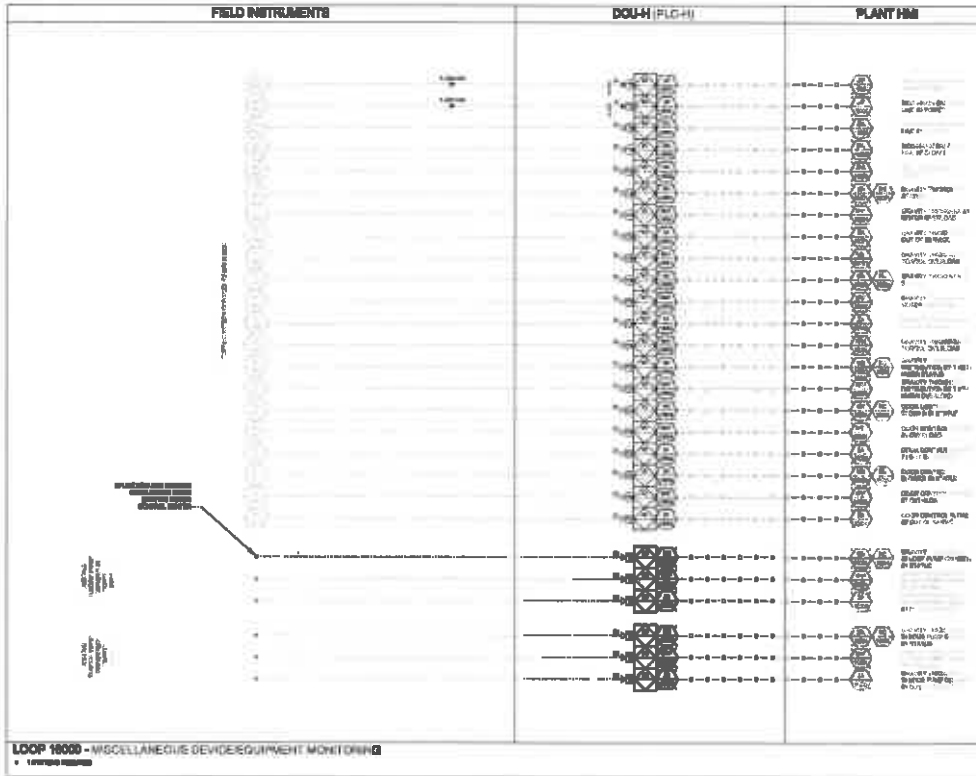
I-00-613

Rick Bowman, LFUCG

FIELD INSTRUMENTS

DOU-4 (PLGH)

PLANT HMI



LOOP 18000 - MISCELLANEOUS DEVICE/EQUIPMENT MONITORING

NOTES:
 1. All field instruments are to be installed in accordance with the specifications and drawings of the manufacturer.

CORPORATE SET

PROCESS AND INSTRUMENTATION DIAGRAMS (10 OF 10)

NO.	REV.	DATE	BY

I-00-613



**GRAVITY THICKENERS BUILDING
ELECTRICAL NEW WORK**

REV	DATE	BY	CHKD	APP
1	08/14/13	...	...	...
2	08/14/13	...	...	...
3	08/14/13	...	...	...
4	08/14/13	...	...	...
5	08/14/13	...	...	...

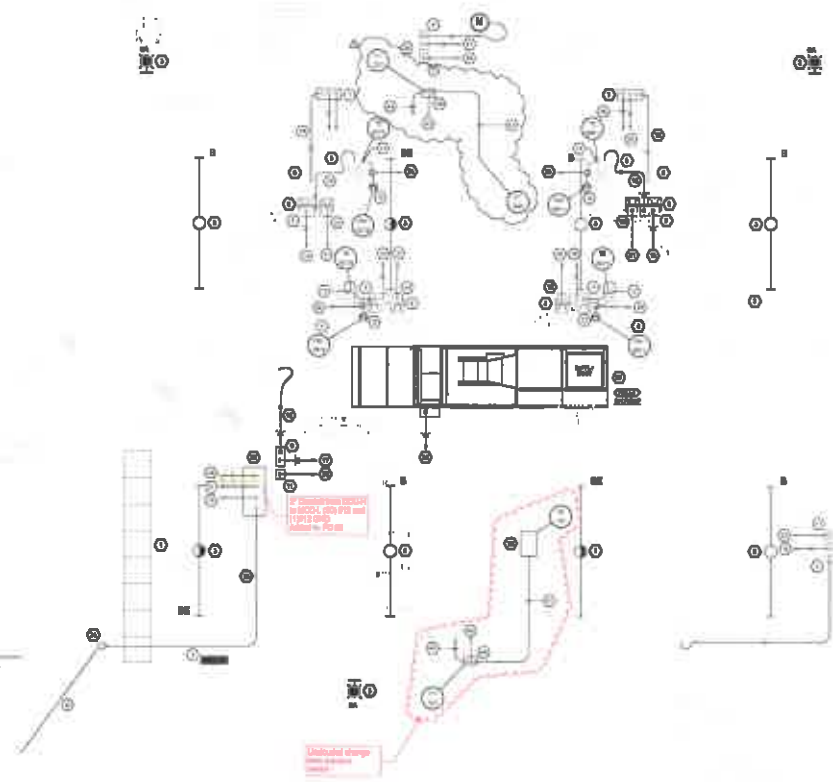
E-03-102

○ SHEET KEYNOTES:

1. REFER TO OTHER SHEETS FOR GENERAL NOTES.
2. REFER TO OTHER SHEETS FOR GENERAL NOTES.
3. REFER TO OTHER SHEETS FOR GENERAL NOTES.
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47. REFER TO OTHER SHEETS FOR GENERAL NOTES.
48. REFER TO OTHER SHEETS FOR GENERAL NOTES.
49. REFER TO OTHER SHEETS FOR GENERAL NOTES.
50. REFER TO OTHER SHEETS FOR GENERAL NOTES.

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF LOS ANGELES ELECTRICAL CODE.



ELECTRICAL NEW WORK PLAN

DATE: 08/14/13



**Dan Haney
Dugan & Meyers
2700 River Green Circle
Louisville, KY 40206**

September 12, 2019

**Intellimodus, LLC
312 South 4th Street
8th Floor
Louisville, KY 40202**

**intellimodus.com
502.452.9397 (main office)**

Dear Dan,

In accordance with the email provided by Mr. Wheatley on September 12, 2019, regarding a formal change order quote for Field Order # 8, regarding the changes to DCU-H and MCC-I Communications, please find attached the quote for Change Order 5 adding that to the contract.

This will result in a sell price increase to the contract value of \$ (\$2,957.00 without tax).

If accepted, please indicate as soon as possible so that we may order the parts and complete the Panel, as it is waiting quality inspections and delivery now.

Please let me know if you have any questions.

Sincerely,

**Clay Gabhart
Intellimodus, LLC
Formerly ControlTouch Systems, LLC**



CHANGE ORDER REQUEST

Change Order Request # 8

Date: 09/24/19

TEM Project # 19-02



Project Name: LFUCG - Town Branch WWTP Thickening Process Upgrades Project

Description: C.O. #8 - Field Order #8 - Pricing includes TEM furnishing and installing conduit, wiring, fittings, supports and wiring terminations as noted in Field Order #8 and on drawing E-03-102. Please note that terminal points required in the existing PLC-H for the new control circuits will be provided by others along with Scada programming changes, IO Modules and integration of the control changes.

LABOR

LABOR TYPE	MAN HOURS	\$/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	38	\$ 32.00	\$ 7.04	\$ 6.00	\$ 1,711.52
PM	4	\$ 45.00	\$ 15.00		\$ 240.00
					\$ -

SUB TOTAL "L" \$ 1,951.52

DJE	MAN HOURS	RATE	TOTAL
ELECTRICIAN	38	\$ 5.32	\$ 201.97

SUB TOTAL "DJE" \$ 201.97

EQUIPMENT

DESCRIPTION	MAN HOURS	RATE	TOTAL
Jobsite pick up	19	\$ 13.50 HR	\$ 256.50
PM pick up	4	\$ 13.50 HR	\$ 54.00
			\$ -

SUB TOTAL "E" \$ 310.50

SUBCONTRACTOR

NAME	TOTAL
	0 \$ -
	0 \$ -

SUB TOTAL "S" \$ -

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	KY TAX	TOTAL
Miscellaneous Materials (See attached Bid Extension)	1	\$ 1,114.32	\$ 66.86	\$ 1,181.18
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -

SUB TOTAL "M" \$ 1,181.18

TOTAL "L,DJE E,S,M" \$ 3,645.17

OVERHEAD 5% \$ 182.26

SUBTOTAL \$ 3,827.43

PROFIT 10% \$ 382.74

TOTAL \$ 4,210.17

Job Name: E-18-041 - LFUGG - Town Branch Thickener Process

Items+ByProducts

Item #	Item Name	Quantity	Price 2	Ext Price 2	CO Lbr 1	CO Lbr 1 Ext	CCode
Category: CCode = <none>							
100,121	#16 TSP Cable	120.00	\$385.00 M	\$46.20	4.40 M	0.53	
Totals for CCode				\$46.20		0.53	
Category: CCode = Branch Rough							
5,245	3/4 SS316 RIGID CONDUIT CL	4.00	\$2.41 E	\$9.64	1.88 C	0.08	cb
Totals for CCode				\$9.64		0.08	
Category: CCode = Feeder Rough							
4,058	2 ALUM CONDUIT	40.00	\$441.45 C	\$176.58	8.79 C	3.52	cf
4,246	2 AL LB BODY	3.00	\$64.13 E	\$192.38	0.69 E	2.07	cf
4,479	2 AL FLAT COVER	3.00	\$11.40 E	\$34.20	0.00 X	0.00	cf
4,488	2 AL GASKET	3.00	\$7.08 E	\$21.24	0.00 X	0.00	cf
4,739	2 ALUM GND MEYERS HJB	2.00	\$1,434.65 C	\$28.69	0.94 E	1.88	cf
Totals for CCode				\$453.10		7.47	
Category: CCode = Hangers/Anchors							
6,659	1 1/2 SS KINDORF	5.00	\$8.25 E	\$41.25	6.28 C	0.31	ch
Totals for CCode				\$41.25		0.31	
Category: CCode = Lugs/Termination/Ground							
9,533	#18 - #14 RING LUG	8.00	\$73.73 C	\$5.90	10.05 C	0.80	sl
9,534	#12 - #10 RING LUG	102.00	\$88.23 C	\$90.00	12.56 C	12.81	sl
Totals for CCode				\$95.89		13.62	
Category: CCode = Branch Wire							
100,101	12 XHHW CU STRANDED	3,060.00	\$153.02 M	\$468.24	5.00 M	15.30	wb
Totals for CCode				\$468.24		15.30	
Totals:				\$1,114.32		37.31	

Report Totals:

Items+ByProducts

Ext Price 2 CO Lbr 1 Ext
\$1,114.32 37.31



John Martin, PE
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

10/29/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #08 Pump Station#2 Pump Orientation

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #08 for your review compiled in accordance with the change order pricing procedures.

In response to RFI#16, Dugan & Meyers proposes to provide the changes to the pump orientation in pump station #2 for the lump sum amount of \$7,443.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 10/29/2019

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: PS #2 Pump Orientation Changes

				TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$	3,140.00
B.	EQUIPMENT	<u>See Attached</u>	_____	\$	-
C.	FUEL	<u>See Attached</u>	_____	\$	-
D.	SERVICE	<u>See Attached</u>	_____	\$	-
E.	MATERIALS	<u>See Attached</u>	_____	\$	2,966.49
					<u>\$6,106</u>
Subtotal (A,B,C,D,E):					<u>\$6,106</u>
F.	OVERHEAD & PROFIT:	<u>1.5%</u> (on items A,B,C,D,E).....			<u>\$916</u>
G.	SALES TAX ON MATERIALS	<u>6%</u>			<u>\$178</u>
(No Markup)					
				Subtotal (A thru G):	<u>\$7,200</u>
H.	SUBCONTRACTOR	<u>See Attached</u>		\$	<u>-</u>
L.	SUBCONTRACTOR MARKUP	<u>5%</u>			<u>\$0</u>
(markup is = 5%)				Subtotal (H and L):	<u>\$0</u>
J.	Small Tools	<u>3.00%</u>			<u>\$94</u>
(% of Labor)					
K.	Insurance, Bond	<u>2.06%</u>			<u>\$148</u>
(No Markup)					
					<u>\$7,443</u>
TOTAL (A thru G) + (H and L) + J + K					<u>\$7,443</u>
 GRAND TOTAL THIS CHANGE				TOTALS	<u>\$7,443</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
6" 90 Degree Bend FLG x FLG	8	EA	\$115.15	\$ 921.20
6" 45 Degree Bend FLG x FLG	4	EA	\$102.46	\$ 409.84
6" 22.5 Degree Bend FLG x FLG	4	EA	\$102.46	\$ 409.84
6" x 6' - 00" Flang Pipe Spool	2	EA	\$321.73	\$ 643.46
6" x 3' - 00" Flang Pipe Spool	1	EA	\$256.13	\$ 256.13
6" Flang Pipe Spool under 12"	2	EA	\$157.73	\$ 315.46
6" Bolt Packs and Gaskets	21	EA	\$20.56	\$ 431.76
Pipe Hanger Material	1	LS	\$500.00	\$ 500.00
			Subtotal	\$ 2,966.49
Labor				
				\$ -
Project Engineer	16	mhrs	\$65.00	\$ 1,040.00
Pipefitter	32	mhrs	\$43.75	\$ 1,400.00
Carpenter	16	mhrs	\$43.75	\$ 700.00
				\$ -
			Subtotal	\$ 3,140.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
				\$ -
				\$ -
			Subtotal	\$ -

PCO # 9



John Martin, PE
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

10/29/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #09R1 Handrail Elimination and Added Windows

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #09 for your review compiled in accordance with the change order pricing procedures.

In response to on-site discussion and as revised in the 1/13/20 meeting, Dugan & Meyers proposes to delete the roof mounted handrail on pump station #1 for the lump sum credit amount of \$(5,466).

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 1/17/2020

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: Eliminate Handrail Add Two (2) Windows

			TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$ (970.00)
B.	EQUIPMENT	<u>See Attached</u>	_____	\$ _____
C.	FUEL	<u>See Attached</u>	_____	\$ _____
D.	SERVICE	<u>See Attached</u>	_____	\$ _____
E.	MATERIALS	<u>See Attached</u>	_____	\$ (3,882.00)
Subtotal (A,B,C,D,E):				<u>(\$4,852)</u>
F.	OVERHEAD & PROFIT:	<u>5%</u> (on items A,B,C,D,E).....		<u>-\$243</u>
G.	SALES TAX ON MATERIALS	<u>6%</u> (No Markup)		<u>-\$233</u>
			Subtotal (A thru G):	<u>-\$5,328</u>
H.	SUBCONTRACTOR	<u>See Attached</u>	_____	\$ _____
I.	SUBCONTRACTOR MARKUP	<u>3%</u> (markup is = 5%)		<u>\$0</u>
			Subtotal (H and I):	<u>\$0</u>
J.	Small Tools	<u>3.00%</u> (% of Labor)		<u>(\$29)</u>
K.	Insurance, Bond	<u>2.06%</u> (No Markup)		<u>(\$110)</u>
TOTAL (A thru G) + (H and I) + J + K				<u>(\$5,466)</u>
GRAND TOTAL THIS CHANGE			TOTALS	<u>(\$5,466)</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
Roof Handrail	-1	LS	\$ 3,882.00	\$ (3,882.00)
				\$ -
				\$ -
				\$ -
			Subtotal	\$ (3,882.00)
Labor				
Project Engineer	0	mhrs	\$65.00	\$ -
Eliminate Roof Handrail				\$ -
Carpenter	-8	mhrs	\$43.75	\$ (350.00)
Laborer	-16	mhrs	\$38.75	\$ (620.00)
Remove Window Units and Pre Masonry Opening				\$ -
Carpenter	0	mhrs	\$43.75	\$ -
Laborer	0	mhrs	\$38.75	\$ -
			Subtotal	\$ (970.00)
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
	0	0	LS	\$0.00
				\$ -
			Subtotal	\$ -

PCO #10



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

12/6/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #10 FO#10 Odor Control Dampers

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #10 for your review compiled in accordance with the change order pricing procedures.

In response to FO#10, Dugan & Meyers has saved the existing odor control dampers to be reused in the new line for the lump sum amount of \$3,332.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 12/6/2019

Project No.: 12038
Project Name: Town Branch Thickening Process Upgrades
Contractor: Dugan & Meyers
Engineer: GRW Engineering

Change Order No.: _____
Description: FCO#10 FOW#10 Odor Control Dampers

				TOTALS
A.	LABOR	<u>See Attached</u>	_____	\$ 690.00
B.	EQUIPMENT	<u>See Attached</u>	_____	\$ -
C.	FUEL	<u>See Attached</u>	_____	\$ -
D.	SERVICE	<u>See Attached</u>	_____	\$ -
E.	MATERIALS	<u>See Attached</u>	_____	\$ -
Subtotal (A,B,C,D,E):				<u>\$690</u>
F.	OVERHEAD & PROFIT:	<u>5%</u> (on items A,B,C,D,E).....		<u>\$35</u>
G.	SALES TAX ON MATERIALS	<u>6%</u>		<u>\$0</u>
				Subtotal (A thru G): <u>\$725</u>
H.	SUBCONTRACTOR	<u>See Attached</u>	_____	<u>\$ 2,400.00</u>
I.	SUBCONTRACTOR MARKUP	<u>5%</u>		<u>\$120</u>
				Subtotal (H and I): <u>\$2,520</u>
J.	Small Tools	<u>3.00%</u>		<u>\$21</u>
				Subtotal (J): <u>\$21</u>
K.	Insurance, Bond	<u>2.06%</u>		<u>\$67</u>
				Subtotal (K): <u>\$67</u>
TOTAL (A thru G) + (H and I) + J + K				<u>\$3,332</u>
GRAND TOTAL THIS CHANGE				TOTALS <u>\$3,332</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Labor -(DM Removal and Cleaning of Existing Dampners)				
				\$ -
Superintedent	4	mhrs	\$85.00	\$ 340.00
Carpenters	8	mhrs	\$43.75	\$ 350.00
			Subtotal	\$ 690.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
Bison Services	1	LS	\$2,400.00	\$ 2,400.00
				\$ -
			Subtotal	\$ 2,400.00

BISON SERVICES, LLC

7152 NORTH AA HIGHWAY , FOSTER, KY
PHONE(606)747-0322 FAX (606)747-0324
EMAIL:BISONSERVICE@YAHOO.COM

CHANGE ORDER ADD DAMPERS

CHANGE ORDER No.	_____	ORIG. CONT. AMT \$	.00
PROJECT NAME	TOWN BRANCH	DEL TO CONTRACT 2,400.00	
	Add to contract	ADDS TO CONTRACT	.00
LOCATION		PREVIOUS C/O	.00
REV.	_____	REVISED CONT. AMT.	\$.00

COMPENSATION PROVIDED BY THE MODIFICATION CONSTITUTES FULL AND COMPLETE SATISFACTION FOR ALL COST AND MARK-UPS DIRECTLY OR INDIRECTLY ATTRIBUTABLE TO THE CHANGES ORDERED HEREIN, AND FOR ALL DELAYS OR IMPACT COST AND INTEREST RELATED THERETO, WHICH HAVE BEEN OR WILL BE INCURRED DURING THE PERIOD COVERED BY THIS MODIFICATION, AND FOR PERFORMANCE OF THE CHANGES WITHIN THE TIME STATED.

DESCRIPTION:

ADD TO INSTALL OWNER SUPPLIED DAMPERS

LABOR : 32 HRS @ 75 AN HOUR = 2,400.00

TOTAL 2400.00

REASON FOR CHANGE ORDER <input type="checkbox"/> ERROR/OMISSION <input type="checkbox"/> FIELD CONDITION <input type="checkbox"/> ACCEPTED ALTERNATE/ <input type="checkbox"/> USER REQUEST <input type="checkbox"/> MODIFICATION IN USE	DUGAN & MYERS	CONTRACTOR NAME/ADDRESS BISON SERVICES LLC 7152 NORTH AA HIGHWAY, FOSTER KY 41043
DATE	SIGNATURE	SIGNATURE

IT IS RECOMMENDED THAT THE ABOVE CHANGE ORDER BE ACCEPTED AND MADE A PART OF THE ORIGINAL CONTRACT.



engineering | architecture | geospatial

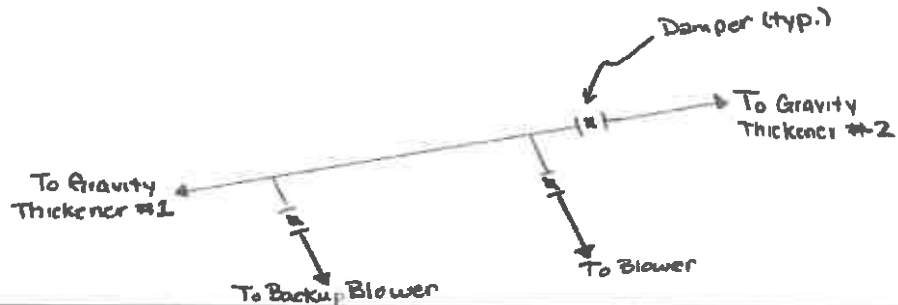
Field Order

Field Order No.:	10	Project No.:	4649
Date:	2019-11-4	Owner:	Lexington-Fayette Urban County Government
Project:	Thickening Process Upgrades	Contractor:	Dugan and Meyers

The Contractor is directed to execute this Field Order which interprets the Contract Documents or which orders minor revisions in the Work. By executing this Field Order the Contractor waives all subsequent claims for additional time and/or compensation for extra work related to this Field Order.

In the event that the execution of this Field Order entitles the Contractor to claim additional time and/or compensation, the Contractor must submit a proposal for review by the Engineer. No compensable work is to be performed until a Change Order has been executed by the Owner and by the Contractor.

Three manual dampers shall be installed in the odor control duct work in the Gravity Thickener Building. Existing dampers shall be used if in good condition. See diagram below:



ARCHITECT-ENGINEER:

[Handwritten Signature]

DATE

CONTRACTOR:

DATE

CC:

Tiffany Rank, LFUCG

Rick Bowman, LFUCG

ATTACHMENTS:

None

PCO # 11



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

12/6/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #11 Roof vent and Insulation Changes

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #11 for your review compiled in accordance with the change order pricing procedures.

As indicated in the progress meeting on 10/23/19, Dugan & Meyers has replaced the HVAC roof penetrations due to rotting and added insulation to the roofs so that they would drain properly. This work has been completed for the lump sum amount of \$3,776.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 12/6/2019

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: PCO#11 Vent and Roofing Changes

			TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$ 340.00
B.	EQUIPMENT	<u>See Attached</u>	_____	\$ -
C.	FUEL	<u>See Attached</u>	_____	\$ -
D.	SERVICE	<u>See Attached</u>	_____	\$ -
E.	MATERIALS	<u>See Attached</u>	_____	\$ -
Subtotal (A,B,C,D,E):			_____	\$340
F.	OVERHEAD & PROFIT:	<u>5% (on items A,B,C,D,E).....</u>	_____	\$17
G.	SALES TAX ON MATERIALS	<u>6%</u>	_____	\$0
		(No Markup)		
			Subtotal (A thru G):	\$357
H.	SUBCONTRACTOR	<u>See Attached</u>	_____	\$ 173.65
I.	SUBCONTRACTOR MARKUP	<u>5%</u>	_____	\$159
		(markup is - 5%)		
			Subtotal (H and I):	\$3,332
J.	Small Tools	<u>3.00%</u>	_____	\$10
		(% of Labor)		
K.	Insurance, Bond	<u>2.00%</u>	_____	\$76
		(No Markup)		
TOTAL (A thru G) + (H and I) + J + K			_____	\$1,776
GRAND TOTAL THIS CHANGE			_____	TOTALS 53,776



2201 Taylors Valley Road
Belton, Texas 76513
Office (254) 933-2270
Fax (254) 933-2212

ECS Environmental Solutions

VX Carbon Media Adsorber Odor Control System
Response to Comments

Town Branch WWTP Thickening Process Upgrade

ECS Job #: 4568

Revision: 0

Revision Date: 12 September 2019

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
				\$ -
				\$ -
			Subtotal	\$ -
Labor				
				\$ -
Project Manager	4	mhrs	\$85.00	\$ 340.00
			Subtotal	\$ 340.00
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
Archway Roofing	1	LS	\$1 673.65	\$ 1 673.65
Bison HVAC	1	LS	\$ 1 500.00	\$ 1 500.00
			Subtotal	\$ 3,173.65



REQUEST FOR CHANGE ORDER

CONTRACTOR:

Dugan Meyers, LLC
 2712 River Green Circle
 Louisville, KY 40206
 Attn: Dan Haney

PROJECT:

Town Branch WWTP

PROJECT NO:

19-014

DATE:

10/8/2019

CONTRACT DATE:

8/28/2019

CHANGE ORDER NO:

1

TYPE OF CHANGE REQUESTED:

Add for additional layer of insulation to bring low spots in deck up,
 drains are too high

\$1,673.65

\$0.00

\$0.00

\$0.00

\$0.00

TOTAL FOR CHANGE ORDER NO:

\$1,673.65

\$1,673.65

REQUEST FOR AUTHORIZATION TO PROCEED

CONTRACTOR / OWNER

Tim Skomsky

PRINTED NAME

SIGNATURE

10/11/2019

DATE

PCO # 13



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

12/30/19

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #13 Lighting Fixtures

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #13 for your review compiled in accordance with the change order pricing procedures.

Per Brad Pennington's email dated December 4th, 2019 Dugan and Meyers proposes to replace additional lighting fixtures in pump station #1 and #2 for a lump sum price of \$5,443.00

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

PCO # 14



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

1/10/20

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #14 FO#9 Odor Control Media

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #14 for your review compiled in accordance with the change order pricing procedures.

In response to FO#9 and attached emails, Dugan & Meyers has changed the odor control media to a washable type media for the lump sum amount of \$4,531.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 1/10/2020

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: FO#9 Odor Control Media Change

				TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$	-
B.	EQUIPMENT	<u>See Attached</u>	_____	\$	-
C.	FUEL	<u>See Attached</u>	_____	\$	-
D.	SERVICE	<u>See Attached</u>	_____	\$	-
E.	MATERIALS	<u>See Attached</u>	_____	\$	4,000.00
Subtotal (A,B,C,D,E):					<u>\$4,000</u>
F.	OVERHEAD & PROFIT:	<u>5%</u> (on items A,B,C,D,E).....			\$200
G.	SALES TAX ON MATERIALS	<u>6%</u>			\$240
					<u>\$4,440</u>
				Subtotal (A thru G):	
H.	SUBCONTRACTOR	<u>See Attached</u>	_____	\$	-
I.	SUBCONTRACTOR MARKUP	<u>5%</u>			\$0
				Subtotal (H and I):	<u>\$0</u>
J.	Small Tools	<u>3.00%</u>			\$0
					<u>\$0</u>
K.	Insurance, Bond	<u>2.06%</u>			\$91
					<u>\$91</u>
TOTAL (A thru G) + (H and I) + J + K					<u>\$4,531</u>
GRAND TOTAL THIS CHANGE				TOTALS	<u>\$4,531</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
Changes to Odor Control Unit	1	LS	\$ 4,000.00	\$ 4,000.00
				\$ -
				\$ -
				\$ -
			Subtotal	\$ 4,000.00
Labor -				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
				\$ -
				\$ -
			Subtotal	\$ -

I. RESPONSE DETAILS

Project Name:	Town Branch Thickening Process Upgrade
Engineer:	GRW
Engineer's Project No.:	4649
Contractor:	Dugan & Meyers, LLC
Submittal No.:	463220-02
Specification Section:	463220
Description:	Carbon Adsorber Media Sample
Review Date:	29 August, 2019

II. COMMENTS AND RESPONSES

1. DWQ has reviewed with the following comment/concerns: The scrubber media sample provided is a 4mm magnesium oxide single use high capacity pellet type carbon. Preference is for a catalytic water-washable type carbon. Apparently, cost for each media type is the same and the only thing to be assessed/confirmed is to make sure vessel is designed for flooded conditions and have appropriate fittings for regeneration.

ECS Response: Acknowledged. To facilitate the conversion of the delivered odor control system to a water regenerable system, the following items are recommended by ECS.

1. ECS provide blind for vessel inlet to be fitted during regeneration cycle and hydrostatic load testing.
2. ECS provide 2" ID coupling at top of vessel sidewall for use in draining the water during regeneration. Coupling to be installed through vessel insulation and field welded to maintain shell and insulation integrity.
3. Obtain signed/stamped calculations for the existing vessel to certify the vessel can handle hydrostatic loading.
4. Contractor to perform hydrostatic load test for a period of 2 hours prior to loading vessel with carbon.
5. Optional adder for ECS to perform field repair on vessel in the event of leaks occurring during hydrostatic testing.

ECS proposes a quote of \$4,000.00 for obtaining the calculations, fabricating and delivering the blind and drain coupling, and installation of the drain coupling. Optional adder of \$5,000.00 to conduct repairs upon completion of hydrostatic testing if leaks are present.

III. ATTACHMENTS

- **Regenerable Carbon Media Data Sheets**
 - **Sample of regenerable carbon to be submitted to Contractor upon approval of submitted carbon type.**



engineering | architecture | geospatial

Field Order

Field Order No.:	09	Project No.:	4649
Date:	2019-09-27	Owner:	Lexington-Fayette Urban County Government
Project:	Thickening Process Upgrades	Contractor:	Dugan and Meyers

The Contractor is directed to execute this Field Order which interprets the Contract Documents or which orders minor revisions in the Work. By executing this Field Order the Contractor waives all subsequent claims for additional time and/or compensation for extra work related to this Field Order.

In the event that the execution of this Field Order entitles the Contractor to claim additional time and/or compensation, the Contractor must submit a proposal for review by the Engineer. No compensable work is to be performed until a Change Order has been executed by the Owner and by the Contractor.

Per the request of LFUCG, media for the ECS odor control system is to be water washable.

The odor control tank shall be modified and tested per manufacturer recommendation to allow for the regeneration process.

The equipment submittal and O&M Manuals shall be updated to reflect these changes.

ARCHITECT-ENGINEER:

 _____

9/27/2019
DATE

CONTRACTOR:

_____ DATE

CC:

Tiffany Rank, LFUCG

Rick Bowman, LFUCG

ATTACHMENTS:

Hydrostatic (Water Fill) Load Test Procedures

ECS Response

PCO # 15



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

2/26/20

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #15 Door Changes

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #15 for your review compiled in accordance with the change order pricing procedures.

In response to on-site meeting and discussions, Dugan & Meyers has provided a credit for the door work as bid and a cost to install the doors per the scope negotiated between Willis Klien and LFUCG for a lump sum credit amount of (\$3,939).

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 2/26/2020

Project No.: 12030
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: Door Changes

			TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$ _____
B.	EQUIPMENT	<u>See Attached</u>	_____	\$ _____
C.	FUEL	<u>See Attached</u>	_____	\$ _____
D.	SERVICE	<u>See Attached</u>	_____	\$ _____
E.	MATERIALS	<u>See Attached</u>	_____	\$ (40,000.00)
Subtotal (A,B,C,D,E):				<u>(540,000)</u>
F.	OVERHEAD & PROFIT:	<u>0%</u> (on Items A,B,C,D,E).....		\$0
G.	SALES TAX ON MATERIALS	<u>0%</u> (No Markup)		\$0
			Subtotal (A thru G):	<u>(540,000)</u>
H.	SUBCONTRACTOR	<u>See Attached</u>		\$ 34,344.00
I.	SUBCONTRACTOR MARKUP	<u>5%</u> (markup is = 5%)		\$1,717
			Subtotal (H and I):	<u>16,061</u>
J.	Small Tools	<u>3.00%</u> (% of Labor)		\$0
K.	Insurance, Bond	<u>0.00%</u> (No Markup)		\$0
TOTAL (A thru G) + (H and I) + J + K				<u>(53,939)</u>
GRAND TOTAL THIS CHANGE				TOTALS <u>(53,939)</u>

Proposal Line Item Breakdown

Description	Quantity	Unit	Rate	Totals
Materials				
Doors and Hardware	1	ls	\$ (40,000.00)	\$ (40,000.00)
				\$ -
				\$ -
				\$ -
			Subtotal	\$ (40,000.00)
Labor -(DM Removal and Cleaning of Existing Dampners)				
				\$ -
Labor Included in Above pricing				\$ -
				\$ -
			Subtotal	\$ -
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
Willis Klien	1	LS	\$34,344.00	\$ 34,344.00
				\$ -
			Subtotal	\$ 34,344.00

DUGAN & MEYERS

Dugan & Meyers LLC

2700 River Green Circle

Louisville, KY 40206

502 894-4481 Phone

TO: Willis Klein Company
 ADDRESS: 4041 Westport Road
 Louisville, KY 40207

SHIP TO: Dugan & Meyers LLC
 ADDRESS: Town Branch WWTP
 301 Jimmie Campbell Drive
 Lexington, KY 40504
 PHONE: 502-552-0833

PHONE: 502-439-8547
 FAX: 502-895-7358
 EMAIL: ggauce@willisklein.com

EMAIL: jtummers@dugan-meyers.com

DATE	2/12/20	JOB NO.	12030	CODE NO.	08.0300.50.00	SHIP VIA	F.O.B. JOBSITE
DATE REQUIRED	SEE BELOW	TERMS	90% Net 45 See Below	CALL JOBSITE BEFORE DELIVERY – Call Jonathan Herrera 502-612-0587 48 Hour Notice to jobsite required prior to delivery.			

Town Branch WWTP Thickening Process Upgrades		PRICE										
<p><u>Furnish, fabricate, coordinate, and deliver:</u></p> <p><u>Specification Section 011400</u>– ‘General Provisions’ - Complete; as it applies to equipment and materials supplied. <u>Specification Section 012500</u> – ‘Products and Substitutions’ – Complete; as it applies to equipment and materials supplied. <u>Specification Section 013323</u> – ‘Shop Drawings Product Data Samples and RFI’s’ – Complete; as it applies to equipment and materials supplied. <u>Specification Section 014216</u> – ‘Definitions and Standards’ – Complete; as it applies to equipment and materials supplied. <u>Specification Section 014500</u> – ‘Quality Control Services’ - Complete; as it applies to equipment and materials supplied. <u>Specification Section 017823</u> – ‘Operating and Maintenance Manual’ – Complete; as it applies to equipment and materials supplied. <u>Specification Section 017834</u> – ‘Warranties and Bonds’ – Complete; as it applies to equipment and materials supplied.</p> <p>Materials shall be fabricated and furnished in the best manner of industry and trade practices and as specified and detailed to accomplish the project requirements in accordance with change order #2 provided by LFUCG. The bidding, contract and general requirements shall form a part of the order. The scope of your order and the amounts stated hereinafter will include but is not limited to the following:</p> <ol style="list-style-type: none"> Detail, receive approval, field measure, order, receive, cut, drill and completely fabricate in accordance with approved shop drawings the items listed below. It is the intent of this order that all Doors and Door Hardware on the project are provided under this order. 		<p>Lump Sum <u>\$32,700.00</u></p>										
	<table border="1"> <thead> <tr> <th>Item</th> <th>Extended Price</th> </tr> </thead> <tbody> <tr> <td>(6) ea part no. 879022</td> <td>\$15,456.00</td> </tr> <tr> <td>(1) ea part no. 879311</td> <td>\$3,227.00</td> </tr> <tr> <td>(1) ea part no.879023</td> <td>\$7,217.00</td> </tr> <tr> <td>(1) ea part no.18153</td> <td>\$5,300.00</td> </tr> </tbody> </table>	Item	Extended Price	(6) ea part no. 879022	\$15,456.00	(1) ea part no. 879311	\$3,227.00	(1) ea part no.879023	\$7,217.00	(1) ea part no.18153	\$5,300.00	
Item	Extended Price											
(6) ea part no. 879022	\$15,456.00											
(1) ea part no. 879311	\$3,227.00											
(1) ea part no.879023	\$7,217.00											
(1) ea part no.18153	\$5,300.00											

Shipping	\$1,500.00	
<p>2. Shop drawings shall initially be submitted in Electronic media shall be sent to Jonathan Herrera at jherrera@dugan-meyers.com. All submittals shall comply to the requirements of Heritage Engineering in section 01300. The final version of the reviewed shop drawings will include (1) electronic copy and (4) paper copies plus the number that this supplier needs.</p> <p>3. Willis Klein and Supply Co. shall supply all bolts, anchor bolts, and epoxy or adhesive anchor systems for materials supplied by Willis Klein.</p> <p>4. All deliveries must be scheduled 48 hours in advance. Failure to schedule any delivery will cause the shipment to be rejected and then re-scheduled. Any costs due to failure to schedule deliveries shall be the responsibility of this supplier. Upon approved submittals, Dugan & Meyers shall confirm a delivery schedule.</p> <p>5. Any miss-fabrications will be fixed at the cost of Willis Klein. The buyer agrees to report immediately any errors in workmanship or material.</p> <p>6. Freight costs are included in this order. Full Freight Allowed.</p> <p>7. All material released for fabrication shall be in accordance with approved shop drawings, the approved bill of materials, and as released by Dugan & Meyers supervision.</p> <p>8. All coatings and linings shall be provided in strict accordance with the Project Documents.</p> <p>9. Submit product data per specifications.</p> <p>10. The manufacturer listed above shall furnish all spare parts, accessories, tests, start-up services, certifications data, transportation, O&Ms, and training required by the above referenced specification sections.</p> <p>11. Manufacturer's warranty shall be provided as specified.</p> <p>12. Please proceed with shop drawings. Also, please email Dugan & Meyers the names of the personnel in charge of the shop drawings and material deliveries, along with the respective telephone number, email, and fax. The Louisville office number is (502) 894-4481.</p>		
<p>Attachments: Exhibit 'A' – Scope of Work (See Above) Exhibit 'B' – Contract Documents Exhibit 'C' – Not used Exhibit 'D' – Not used Exhibit 'E' – Not used Exhibit 'F' – Insurance Provisions Exhibit 'G' – Not used</p>		
		SALES TAX %
		\$1,644.00
TOTAL		\$34,344.00

TITLE TO PROPERTY COVERED UNDER THIS PURCHASE ORDER IS NOT CONVEYED UNTIL DELIVERY TICKET IS SIGNED BY OUR JOBSITE PERSONNEL

ACCEPTED BY: **Willis Klein**

ACCEPTED BY: **DUGAN & MEYERS LLC**

MATERIAL SUPPLIER

DATE

CONTRACTOR

DATE

GENERAL CONDITIONS

1. **ACCEPTANCES:** Vendor's acknowledgment of this order or commencement of any work or performance of any services hereunder shall constitute acceptance by Vendor of this order and all of its terms and conditions. No term or condition stated by Vendor in acknowledging or otherwise accepting this order shall be binding upon Buyer unless specifically accepted in writing by Buyer.
2. **VENDOR OBLIGATIONS:** Vendor acknowledges that it is bound to the Buyer by all terms and conditions of the contract documents, by reference or otherwise, that govern the Vendors scope of work on the project. Vendor assumes all obligations and responsibilities that the Buyer assumes towards the Owner or others as far as they relate to Vendor's scope and the materials, equipment and services provided under this purchase order. Buyer will make copies of the applicable contract documents available, upon reasonable request from the Vendor. Vendor shall direct all communications involving the Owner, Buyer's customer, or other Contractors and entities through the Buyer only, unless otherwise approved in writing. This includes without limitation all request for information, submittals, requests for meetings, claims for extra or changes, request for extensions of time or damages.
3. **PRICE AND DELIVERY:** Vendor shall furnish the items specified by this order in strict accordance with the prices and delivery date or schedule stated herein. Time is of the essence of this order. Unless listed separately, prices include all applicable taxes. The amounts established as compensation for the materials, equipment, services and work furnished under this order are firm for the life of this order and not subject to escalation and may be amended only by properly executed change order signed by Buyer and Vendor. Vendor shall be liable for all damages, including any liquidated and consequential damage suffered by Buyer, its customers and users as a result of Vendor's failure to comply with the performance and quality requirements, and delivery date or schedule stated herein, unless said failure is a result of conditions within the reasonable control of Buyer. If the Vendor fails to meet the scheduled delivery date(s), the Buyer may enact one or more of the following: a) cancel any unperformed portion of this purchase order without liability on the Buyers part, and purchase any equipment, material or services which have not been delivered by the specified date(s) or for which the shop drawings, samples or other items have not been received on schedule; b) require the Vendor to reimburse Buyer any and all damages it sustains that are attributable or caused by Vendors failure to meet the delivery date(s); or c) require the Vendor reimburse any and all cost to Buyer over and above the price specified for the Purchase Order.
4. **PAYMENT:** Payments shall be due and payable to Vendor within forty-five (45) days of receipt of Vendor's invoice or ten (10) days after receipt by Buyer of its monthly payments from its customer for materials and items furnished by Vendor, whichever comes first. Buyer shall be entitled to deduct as a set-off to any money due Vendor any amount that Vendor owes Buyer arising out of this Project, other projects, or otherwise. Partial payment to Vendor shall not be construed as approval or acceptance of Vendor's material or labor, either by Buyer or its customer. With each invoice, Vendor shall furnish lien waivers by Vendor and all other persons furnishing any labor or material pursuant to this order. If Vendors fails to sign and return this purchase order and attachments Buyer reserves the right to withhold payments until all documents have been received and are in accordance with the terms and conditions of this purchase order.
5. **PACKING, SHIPPING and RECEIVING:** Unless otherwise provided herein, no charge shall be made by Vendor for freight or shipping or for containers, crating, boxing, bundling, dunnage, drayage, storage or other packing requirements. All supplies shall be packed, packaged, marked and otherwise prepared for shipment in accordance with sound commercial practices to meet requirements for obtaining lowest transportation rates, or as otherwise specified herein. Vendor shall mark containers of packages with necessary lifting, loading and shipping information, and also order numbers, account number, date of shipment, and names and addresses of consignor and consignee. An itemized packing slip must accompany each shipment unless otherwise specified. All equipment and materials to be shipped F.O.B. Jobsite. All deliveries to be made during normal project working hours (which may change seasonally) unless requested otherwise by the Buyer. A 24 hour (one business day) notice to the Buyer is required prior to any delivery. No materials, equipment, or services shall be deemed accepted by the Buyer until Buyer has had reasonable opportunity to inspect and/or observe performance of such materials, equipment, or services. Vendor shall bear all risk of loss on items called for by this order until final receipt and acceptance by Buyer, or its customer, at destination, unless otherwise specified in this order, except for loss occasioned by gross negligence of Buyer or its customer.
6. **COMPLIANCE:** Vendor warrants and agrees to observe and comply with, in the performance of this order, all applicable Federal, State and Local laws, rules and regulations and shall indemnify, defend and save harmless Buyer from and against any and all liabilities, expenses, costs and damages which Buyer may be put to or incur or suffer as a result of Vendor's failure or omission so to do.
7. **WARRANTIES:** In addition to and without prejudice to all other warranties, both express and implied, Vendor warrants that the items furnished hereunder will be: a) free from defects in workmanship and material; b) to the extent such supplies are not furnished pursuant to detailed designs provided by Buyer, free from defects in design; c) suitable for the purposes intended; d) in compliance with any applicable safety standards presently effective under the Federal Occupational Safety and Health Act of 1970 or state equivalents thereof; and e) in compliance with all requirements of this order and all applicable drawings, specifications, samples, representations or other descriptions. All warranties, both express and implied, including the above, shall survive inspection, acceptance and payment and shall be assignable to Buyer, its customers and users. Without limitation of any rights by reason of any breach of warranty or otherwise, items which are not as warranted may at any time be returned to Vendor at Vendor's expense for credit, correction or replacement as Buyer may direct; and in the event Vendor fails promptly to correct or replace work or items as directed by Buyer, in addition to the rights stated above or otherwise, Buyer shall have the right to terminate this order as provided in Item No. 9, "TERMINATION". Materials shall be under warranty for a minimum of one year, or longer if required by the project specifications or local law. Vendor acknowledges that it is bound to the Buyer, to the same extent that the Buyer is bound to the others by the warranty/guarantee provisions of the contract documents beginning at the date of final acceptance by Buyer and its customer. Vendor shall repair or remove and replace without cost to the Buyer any defective or non-conforming material or equipment. Vendor hereby assigns to Buyer any warranties or guarantees provided by manufacturers or vendors of products incorporated into material, equipment, or services provided by Vendor hereunder and upon request shall enforce any such warranty or guarantee on behalf of the Buyer.
8. **CHANGES:** Buyer may at any time, by written change order, suspend performance in whole or in part, make changes in drawings, designs, specifications, method of shipment or packing, or time or place of delivery, require additional work, or direct the omission of work. If any such change causes an increase or decrease in the cost or the time required for the performance of this order, an equitable adjustment may be made in the contract price or delivery date or schedule, or both; and this order shall be modified in writing accordingly. Any claim for adjustment under this paragraph shall be deemed waived unless asserted in writing within ten (10) days (or shorter if required by the contract documents) from the date of receipt by the Vendor of the change order. The amount of the claim shall be stated when it is submitted. Where the cost of property made obsolete or excess as a result of a change is included in Vendor's claim for adjustment, additional cost will not be binding on Buyer unless approved by an authorized purchasing agent of Buyer. Nothing in this paragraph shall excuse Vendor from proceeding with the order as changed.
9. **TERMINATION:** Time is of the essence of this order. If Vendor fails to make any delivery in accordance with the agreed delivery date or schedule or otherwise fails to observe or comply with any of the other instructions, terms, conditions, or warranties applicable to this order or fails to make progress so as to endanger performance of this order, or in the event of any proceeding by or against Vendor in bankruptcy or insolvency or for appointment of a receiver or trustee or an assignment for the benefit of creditors, Buyer may (in addition to any other right or remedy provided by this order or by law) terminate all or any part of this order by telegraphic or other written notice to Vendor without any liability by Buyer to Vendor on account thereof. In event of termination for cause, Buyer may purchase similar items elsewhere on such terms and in such manner as Buyer may deem appropriate, and Vendor shall be liable for any excess cost in connection therewith.
10. **PATENTS:** Vendor guarantees that the sale and use of all items provided hereunder will not infringe upon any patent or copyright that Vendor will, at its own expense, defend any action, suit or claim or assist in defense thereof, in which an infringement of any patent or copyright is alleged with respect to the sale or use of such items. Vendor will also indemnify, defend and save harmless Buyer and its customers and users from any and all losses, costs, and damages for infringement or alleged infringement of any patent or copyright because of the sale or use of such items.
11. **INDEMNITY:** To the fullest extent permitted by law, the Vendor shall indemnify and hold harmless the Contractor, Owner, and the Architect/Engineer and their respective parents and affiliated companies, and their agents and employees from and against all claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from the performance of the Work (including any services provided by the Vendor through its own employees, contractors, agents, representatives, or otherwise in connection with, or ancillary to, providing materials or equipment of this agreement including, but not limited to, the delivery, unloading, assembly, certification, inspection, repair, or services of such materials or equipment), provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, but only to the extent caused by the negligent act or omission of the Vendor or anyone directly or indirectly

employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph. Buyer shall give Vendor prompt notice when claims arise hereunder. Vendor agrees to carry and maintain insurance coverage satisfactory to Buyer to cover the above and, upon Buyer's request, to furnish to Buyer certificates or other appropriate evidence of such insurance.

12. **INSURANCE:** Vendor and any person or entity directly or indirectly employed by Vendor hereby agree to provide General Liability and Automobile Liability insurance coverage with the minimum amounts of \$5,000,000 each (Umbrella Liability may be used to meet these amounts), Workers Compensation and Employers Liability of \$1,000,000 per accident/employee/disease at all times. Vendor's insurance shall be endorsed to provide that such coverage is primary and Buyer's liability coverage is secondary and non-contributing for any claim. Vendor's insurance, except Workers Compensation and Employers Liability, shall name the Buyer as additional insured. All insurance shall be on an occurrence basis issued by companies rated A- or higher by A.M. Best and contain waivers of subrogation in favor of the Buyer. Upon Buyer's request, the Vendor or their insurance company/agent shall send their certificate of insurance with these requirements to the Buyer with the Purchase Order number and project listed on the certificate. To the fullest extent permitted by law, the insurance afforded to the additional insured(s) shall be as broad as the insurance afforded to the first named insured. In the event any party provides insurance with greater limits than those required in this exhibit, the insurance afforded to an additional insured shall be up to the full limits provided by such policy, and this Agreement shall be deemed to require such full limits

When the scope of work contains or involves design work, or creating, engineering, stamping, signing, or sealing drawings, or professional services of any nature, Vendor shall provide professional liability coverage, including coverage for contractual liability required by the Purchase Order, coverage for any claim arising out of professional services rendered under the Purchase Order, and shall not be cancelled, non-renewed or materially altered without 30 days prior notice to Contractor. Limits shall be no less than the following:

\$1,000,000 per claim
\$2,000,000 Aggregate

13. **ASSIGNMENT:** Vendor shall not assign; nor subcontract, all or any portion of the obligations this purchase order or any rights hereunder or any monies due or to become due hereunder without the prior written consent of Buyer, and no purported assignment by Vendor shall be binding on Buyer without its written consent thereto.
14. **WAIVER:** The failure of Buyer in any one or more instances to insist upon performance of any of the terms or conditions of this order, or to exercise any right or privilege in this order contained, or the waiver of any breach of the terms or conditions of this order shall not be construed as thereafter waiving any such terms, condition, rights or privileges, and the same shall continue and remain in force and effect as if no waiver had occurred.
15. **COMPLETE AGREEMENT:** This order, which includes any supplement sheets, schedules, exhibits and riders annexed by Buyer is the complete and entire agreement between the parties and supersedes any previous communications, representations or agreements, whether verbal or written, with respect to the subject matter herein. If any provision of this purchase order is held to be unenforceable, the remaining provisions shall continue in full force and effect.
16. **GOVERNING LAW; DISPUTE RESOLUTION:** This order is governed by, and shall be interpreted in accordance with, the laws of the State the project is located without regard to its conflict of law's provisions. If any claim, dispute or other matter ("dispute") in question arises between Buyer and Vendor and the parties have not resolved such dispute, then, at the sole discretion of Buyer, such dispute shall be decided by arbitration in accordance with the then-current Construction Industry Arbitration Rules of the American Arbitration Association. All arbitration proceedings, as provided herein, shall be conducted in the nearest city in which the Buyer maintains an office. All arbitration proceedings, as provided herein, shall be binding and final, and judgement may be entered upon it by a court of competent jurisdiction. Alternatively, Buyer may, in its sole discretion, require Vendor to submit such dispute to the dispute resolution procedures set forth in the contract between Owner and its customer with respect to the project to which this Agreement pertains.
17. **SAFETY:** In addition to the Vendor's own safety program, Vendor shall adhere to the Dugan & Meyers Safety program as well as any other project safety program while making deliveries on the project.

EXHIBIT 'B'
Town Branch WWTP Thickening Process Upgrades
JOB # 12030
DRAWING LIST

GENERAL		
G-00-001	COVER SHEET	October 2018
G-00-002	DRAWING INDEX & VICINITY MAP	October 2018
G-00-003	LFUCG - GENERAL NOTES	October 2018
G-00-004	LFUCG - GENERAL NOTES	October 2018
G-00-501	STANDARD DETAILS	October 2018
G-00-502	EROSION CONTROL DETAILS	October 2018
G-00-503	EROSION CONTROL DETAILS	October 2018
CIVIL		
C-00-001	CIVIL STANDARD ABBREVIATIONS LEGENDS / SYMBOLS / LINE TYPES	October 2018
C-00-002	SITE PLAN	October 2018
C-03-101	GRAVITY THICKENERS YARD PIPING PLAN	October 2018
SANITARY		
M-01-101	PRIMARY SLUDGE PUMPING STATION NO. 1 - DEMOLITION	October 2018
M-01-102	PRIMARY SLUDGE PUMPING STATION NO. 1 - NEW EQUIPMENT	October 2018
M-02-101	PRIMARY SLUDGE PUMPING STATION NO. 2 - PLAN DEMOLITION	October 2018
M-02-102	PRIMARY SLUDGE PUMPING STATION NO. 2 - PLAN NEW EQUIPMENT	October 2018
M-02-301	PRIMARY SLUDGE PUMPING STATION NO. 2 - SECTIONS DEMOLITION	October 2018
M-02-302	PRIMARY SLUDGE PUMPING STATION NO. 2 - SECTIONS NEW EQUIPMENT	October 2018
M-03-101	GRAVITY THICKENERS BUILDING PLAN - DEMOLITION	October 2018
M-03-102	GRAVITY THICKENERS BUILDING PLAN - NEW EQUIPMENT	October 2018
M-03-103	GRAVITY THICKENERS TANK PLAN & SECTION - DEMOLITION	October 2018
M-03-104	GRAVITY THICKENERS TANK PLAN & SECTION - NEW EQUIPMENT	October 2018
M-03-301	GRAVITY THICKENERS BUILDING SECTIONS - DEMOLITION	October 2018
M-03-302	GRAVITY THICKENERS BUILDING SECTIONS - NEW EQUIPMENT	October 2018
M-04-101	SOLIDS PROCESSING BUILDING PLAN FIRST FLOOR - DEMOLITION	October 2018
M-04-102	SOLIDS PROCESSING BUILDING PLAN CENTRIFUGE ROOM - NEW EQUIPMENT	October 2018
M-04-103	SOLIDS PROCESSING BUILDING PLAN FIRST FLOOR LOWER PLAN - NEW EQUIPMENT	October 2018
M-04-104	SOLIDS PROCESSING BUILDING PLAN SECOND FLOOR - DEMOLITION & NEW EQUIPMENT	October 2018
M-04-301	SOLIDS PROCESSING BUILDING PLAN CENTRIFUGE SECTIONS - NEW	October 2018
M-04-302	SOLIDS PROCESSING BUILDING PLAN CENTRIFUGE SECTION - NEW EQUIPMENT	October 2018
M-05-101	RAS/WAS PUMP STATION LOWER PLAN - DEMOLITION	October 2018
M-05-102	RAS/WAS PUMP STATION LOWER PLAN - NEW EQUIPMENT	October 2018
ELECTRICAL		
E-00-001	STANDARD ELECTRICAL SYMBOLS AND GENERAL NOTES	October 2018
E-00-501	ELECTRICAL DETAILS	October 2018
E-00-601	ELECTRICAL DIAGRAMS (1 OF 3)	October 2018
E-00-602	ELECTRICAL DIAGRAMS (2 OF 3)	October 2018
E-00-603	ELECTRICAL DIAGRAMS (3 OF 3)	October 2018
E-00-804	ELECTRICAL SCHEDULES	October 2018
E-00-701	CONTROL CIRCUITS (1 OF 4)	October 2018
E-00-702	CONTROL CIRCUITS (2 OF 4)	October 2018
E-00-703	CONTROL CIRCUITS (3 OF 4)	October 2018
E-00-704	CONTROL CIRCUITS (4 OF 4)	October 2018
E-01-101	PRIMARY SLUDGE PUMPING STATION NO. 1 LOWER LEVEL ELECTRICAL DEMOLITION	October 2018
E-01-102	PRIMARY SLUDGE PUMPING STATION NO. 1 UPPER LEVEL ELECTRICAL DEMOLITION	October 2018
E-01-103	PRIMARY SLUDGE PUMPING STATION NO. 1 LOWER LEVEL ELECTRICAL NEW WORK	October 2018
E-01-104	PRIMARY SLUDGE PUMPING STATION NO. 1 UPPER LEVEL ELECTRICAL NEW WORK	October 2018
E-02-101	PRIMARY SLUDGE PUMPING STATION NO. 2 LOWER LEVEL ELECTRICAL DEMOLITION	October 2018
E-02-102	PRIMARY SLUDGE PUMPING STATION NO. 2 UPPER LEVEL ELECTRICAL DEMOLITION	October 2018
E-02-103	PRIMARY SLUDGE PUMPING STATION NO. 2 LOWER LEVEL ELECTRICAL NEW WORK	October 2018
E-02-104	PRIMARY SLUDGE PUMPING STATION NO. 2 UPPER LEVEL ELECTRICAL NEW WORK	October 2018
E-03-101	GRAVITY THICKENERS BUILDING ELECTRICAL DEMOLITION	October 2018
E-03-102	GRAVITY THICKENERS BUILDING ELECTRICAL NEW WORK	October 2018
E-03-103	GRAVITY THICKENERS TANK PLAN & SECTION ELECTRICAL PLANS	October 2018
E-04-101	SOLIDS PROCESSING BUILDING FIRST FLOOR ELECTRICAL PLAN	October 2018

EXHIBIT 'B'
Town Branch WWTP Thickening Process Upgrades
JOB # 12030
DRAWING LIST

GENERAL		
E-04-102	SOLIDS PROCESSING BUILDING SECOND FLOOR ELECTRICAL PLAN	October, 2018
E-04-401	SOLIDS PROCESSING BUILDING ENLARGED FIRST FLOOR ELECTRICAL PLAN - ELEV. 920.00'	October, 2018
E-04-402	SOLIDS PROCESSING BUILDING ENLARGED FIRST FLOOR ELECTRICAL PLAN - ELEV. 903.50'	October, 2018
E-04-403	SOLIDS PROCESSING BUILDING ENLARGED SECOND FLOOR ELECTRICAL PLAN	October, 2018
E-05-101	RASIWAS PUMP STATION LOWER LEVEL ELECTRICAL PLANS	October 2018
INSTRUMENTATION		
1-00-001	STANDARD INSTRUMENTATION SYMBOLS	October 2018
1-00-501	INSTRUMENTATION DETAILS	October 2018
1-00-601	TYPICAL P L C WIRING DIAGRAM	October 2018
1-00-602	NETWORK ARCHITECTURE DIAGRAMS SYSTEM MODIFICATIONS (1 OF 2)	October 2018
1-00-603	NETWORK ARCHITECTURE DIAGRAMS SYSTEM MODIFICATIONS (2 OF 2)	October 2018
1-00-604	PROCESS AND INSTRUMENTATION DIAGRAMS (1 OF 9)	October 2018
1-00-605	PROCESS AND INSTRUMENTATION DIAGRAMS (2 OF 9)	October 2018
1-00-606	PROCESS AND INSTRUMENTATION DIAGRAMS (3 OF 9)	October 2018
1-00-607	PROCESS AND INSTRUMENTATION DIAGRAMS (4 OF 9)	October 2018
1-00-608	PROCESS AND INSTRUMENTATION DIAGRAMS (5 OF 9)	October 2018
1-00-609	PROCESS AND INSTRUMENTATION DIAGRAMS (6 OF 9)	October 2018
1-00-610	PROCESS AND INSTRUMENTATION DIAGRAMS (7 OF 9)	October 2018
1-00-611	PROCESS AND INSTRUMENTATION DIAGRAMS (8 OF 9)	October 2018
1-00-612	PROCESS AND INSTRUMENTATION DIAGRAMS (9 OF 9)	October 2018
ARCHITECTURAL		
A-00-601	PRIMARY SLUDGE PUMPING STATION NO. 2 DOOR AND WINDOW SCHEDULES	October, 2018
A-01-101	PRIMARY SLUDGE PUMPING STATION NO. 1 ARCHITECTURAL PLANS	October 2018
A-02-101	PRIMARY SLUDGE PUMPING STATION NO. 2 ARCHITECTURAL PLANS	October 2018
A-03-101	GRAVITY THICKENERS BUILDING PLAN ARCHITECTURAL PLANS	October, 2018
MECHANICAL		
H-00-101	STANDARD MECHANICAL DETAILS VENTILATION DETAILS/SCHEDULE	October 2018
H-02-101	SLUDGE PUMPING STATION NO. 2 ENERGY RECOVERY UNIT	October, 2018
H-01-101	PRIMARY SLUDGE PUMPING STATION NO. 1 VENTILATION PLANS	October 2018
H-02-102	PRIMARY SLUDGE PUMPING STATION NO. 2 VENTILATION PLANS	October 2018
H-03-101	THICKENER EQUIPMENT BUILDING ROOF PLAN HEATING VENTILATION UNIT	October 2018
H-03-102	GRAVITY THICKENERS BUILDING VENTILATION PLANS	October 2018

Exhibit "F"
Insurance Requirements
Town Branch WWTP Thickening Process Upgrades
Project Number: 12030
(Reference D&M Project Number on all Certificates)

1. All subcontractors are required to purchase and maintain, and to cause any of its subcontractors in turn to purchase and maintain, Commercial General Liability, Automobile Liability, Workers' Compensation and Employer's Liability, Contractor's Equipment, Professional Liability, Riggers' Liability and Contractor's Pollution Liability insurance with a company that is rated A- VII or better by Best Insurance Reports and with the following extensions of coverage:
 - A. Commercial General Liability.
 - (1) Premises/Operations—This aggregate limit will apply on a "per project" basis.
 - (2) Products/Completed Operations – Completed Operations must be maintained for two years following final completion of your work on this project.
 - (3) Blanket Contractual Liability
 - (4) Personal and Advertising Injury Liability
 - (5) Occurrence Basis
 - (6) Broad Form Property Damage
 - (7) Severability of Interests
 - (8) Underground, Explosion and Collapse Coverage
 - (9) Incidental Medical Malpractice
 - (10) Waiver of Subrogation in favor of the Owner, Architect and Dugan & Meyers
 - (11) Add the Owner, Architect and Dugan & Meyers as Additional Insureds using ISO CG 2010 11/85 or its equivalent (CG 2010 10/01 and the CG 2037 10/01). It is agreed that no coverage is afforded the Architect for its professional design liability under this policy.
 - (12) The foregoing subcontractor's/supplier's insurance shall be primary and non-contributing with respect to any other insurance or self-insurance which may be maintained by the Owner, Architect/Engineer, and Dugan & Meyers.
 - B. Automobile Liability
 - (1) Coverage must apply to any vehicle used in the subcontractors operations whether owned, leased, rented, borrowed or belong to its employees.
 - (2) Add the Owner, Architect and Dugan & Meyers as Additional Insureds.
 - (3) Waiver of Subrogation in favor of the Owner, Architect and Dugan & Meyers.
 - (4) The foregoing subcontractor's/supplier's insurance shall be primary and non-contributing with respect to any other insurance or self-insurance which may be maintained by the Owner, Architect/Engineer, and Dugan & Meyers
 - C. Workers' Compensation and Employer's Liability
 - (1) Workers' Compensation coverage must be maintained as required by law in the state having jurisdiction.
 - (2) Add the Owner, Architect and Dugan & Meyers as Additional Insureds where allowed by law.
 - (3) Employer's Liability with separate limits for:
 - Bodily Injury by Accident
 - Bodily Injury by Disease (per employee)
 - Bodily Injury by Disease (policy aggregate)
 - D. Contractor's Equipment
 - (1) The subcontractor will maintain contractor's equipment coverage on an "all risk" basis for the subcontractor's owned, leased, rented or borrowed equipment including but not limited to trailers, mobile equipment, tools, scaffolds and other construction equipment which are not intended to become part of the project.

E. Professional Liability

- (1) Required only when providing design services. Dugan & Meyers LLC should not be named as an additional insured on the professional liability policy. Maximum \$10,000 deductible.

F. Contractor's Pollution Liability

- (1) Add the Owner, Architect and Dugan & Meyers as Additional Insureds for ongoing & completed operations.
- (2) Coverage to include the following perils with no sublimits, unless properly documented and approved by D&M. Coverage to be required when scope includes Building Envelope, Abatement or Remediation work or otherwise when deemed necessary. Deductible should not exceed \$10,000.
- a. Asbestos
 - b. Lead
 - c. Silica
 - d. Microbial Events (Mold)
 - e. Exterior Finish Insulation Systems (EFIS)

G. Rigger's Liability

2. All subcontractors will provide, and cause their subcontractors in turn to provide, Certificates of Insurance evidencing the required insurance policies to Dugan & Meyers before commencing work on the project. The certificate must reference the name of the project and the Dugan & Meyer's project number. Failure to provide a Certificate of Insurance with the proper coverage and limits will result in delayed payment to the subcontractor.

All certificates shall provide a minimum of thirty days' notice of cancellation to Dugan & Meyers as the certificate holder.

Renewal Certificates must be provided within thirty days in advance of the policy's expiration date.

Limits of insurance for those policies described in 1. shall be:

<u>Commercial General Liability:</u>	
General Aggregate:*	\$5 million
Products/Completed Operations Aggregate:	\$5 million
Each Occurrence:	\$5 million

*Aggregate to apply per project.

<u>Automobile Liability:</u>	
Each Accident:	\$5 million

<u>Workers' Compensation and Employer's Liability:</u>	
Workers' Compensation:	Statutory
Employer's Liability:	
Bodily Injury by Accident:	\$5 million
Bodily Injury by Disease:	\$5 million
Policy Limit for Disease:	\$5 million

<u>Professional Liability</u>	
Per Occurrence	\$1 million
Annual Aggregate	\$2 million

<u>Contractor's Pollution Liability</u>	
Per Occurrence	\$1 million
Annual Aggregate	\$2 million

Rigger's Liability
Per Occurrence

Value of Equipment

Umbrella Liability in combination with primary limits is acceptable in meeting these requirements.

At Dugan & Meyers' request Subcontractor/Supplier shall provide a certified copy of each insurance policy required under this contract.

Builders Risk Insurance is provided by the others. Subcontractor will be responsible for their share of the deductible on a pro rata basis in the event of a claim. The deductible is \$5,000 except in the case of flooding where it is \$50,000, and wood framed construction where it is \$15,000

The Owner is:

**Lexington-Fayette Urban County Government
125 Lisle Industrial Avenue, Suite 180
Lexington, KY 40511**

The Engineer is:

**GRW Engineers, Inc.
801 Corporate Drive
Lexington, KY 40503**

The Contractor is:

**Dugan & Meyers LLC
2700 River Green Circle
Louisville, KY 40206**

Josh Tummers

From: Josh Tummers
Sent: Tuesday, November 26, 2019 1:14 PM
To: Tiffany Rank; Goodwin, Brittany
Subject: Elimination of Doors and Windows

Brittany/Tiffany,

We would be able to offer back a credit of \$40,000 for all the doors and windows on the project. This would also increase the credit of PCO #09 from \$-3,286 to \$5,236.00.

Thanks,

Josh Tummers
PROJECT MANAGER
2700 River Green Circle, Louisville KY 40206
p: 502.894.4481 | m:502-552-0833
www.dugan-meyers.com



PCO # 16



Brittany Goodwin, EIT
GRW Engineers
801 Corporate Drive
Lexington, KY 40503

2/27/20

Re: Town Branch Thickening Process Upgrades
Project No. 4649
PCO #16 Door Changes

Dear Ms. Goodwin,

Attached is the Dugan & Meyers change order proposal #16 for your review compiled in accordance with the change order pricing procedures.

In response to progress meeting on 2/27/20 and previous discussions, Dugan & Meyers has installed the disconnects on the grinder pumps for a lump sum credit amount of \$4,264.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal.

Please issue the appropriate contract modifications. Dugan & Meyers can be available to further discuss the above detailed items with you.

Sincerely:

Josh Tummers
Project Manager
DUGAN & MEYERS LLC

CHANGE ORDER PRICING

Date: 2/27/2020

Project No.: 12430
 Project Name: Town Branch Thickening Process Upgrades
 Contractor: Dugan & Meyers
 Engineer: GRW Engineering

Change Order No.: _____
 Description: Grinder Disconnect

			TOTALS	
A.	LABOR	<u>See Attached</u>	_____	\$ _____
B.	EQUIPMENT	<u>See Attached</u>	_____	\$ _____
C.	FUEL	<u>See Attached</u>	_____	\$ _____
D.	SERVICE	<u>See Attached</u>	_____	\$ _____
E.	MATERIALS	<u>See Attached</u>	_____	\$ _____
Subtotal (A,B,C,D,E):				\$0
F.	OVERHEAD & PROFIT:	<u>15%</u> (on items A,B,C,D,E).....		\$0
G.	SALES TAX ON MATERIALS	<u>6%</u> (No Markup)		\$0
			Subtotal (A thru G):	\$0
H.	SUBCONTRACTOR	<u>See Attached</u>		\$ 3,979.08
I.	SUBCONTRACTOR MARKUP	<u>5%</u> (markup is = 5%)		\$199
			Subtotal (H and I):	\$ 4,178
J.	Small Tools	<u>3.00%</u> (% of Labor)		\$0
K.	Insurance, Bond	<u>2.06%</u> (No Markup)		\$86
TOTAL (A thru G) + (H and I) + J + K				\$4,264
GRAND TOTAL THIS CHANGE				TOTALS \$4,264

Proposal Line Item Breakdown				
Description	Quantity	Unit	Rate	Totals
Materials				
	0	ls		\$ -
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Labor				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Equipment				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Fuel				
			\$ -	\$ -
			Subtotal	\$ -
Service				
				\$ -
				\$ -
				\$ -
			Subtotal	\$ -
Subcontractors				
TEM Electrical	1	LS	\$3,979.08	\$ 3,979.08
				\$ -
			Subtotal	\$ 3,979.08

CHANGE ORDER REQUEST

Change Order Request # 11

Date: 02/25/20

TEM Project # 19-02



Project Name: LFUCG - Town Branch WWTP Thickening Process Upgrades Project

Description: C.O.#11: Owner request disconnect switches be installed at the three Grinder Pumps located in the Gravity Thickener Building. Below is a breakdown of material, labor and equipment.

LABOR

LABOR TYPE	MAN HOURS	\$/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	5	\$ 32.00	\$ 7.04	\$ 6.00	\$ 225.20
PM	1	\$ 45.00	\$ 15.00		\$ 60.00
					\$ -

SUB TOTAL "L" \$ 285.20

DJE	MAN HOURS	RATE	TOTAL
ELECTRICIAN	5	\$ 5.32	\$ 26.58

SUB TOTAL "DJE" \$ 26.58

EQUIPMENT

DESCRIPTION	MAN HOURS	RATE	TOTAL
Jobsite pick up	2.5	\$ 13.50 HR	\$ 33.75
PM pick up	1	\$ 13.50 HR	\$ 13.50
			\$ -

SUB TOTAL "E" \$ 47.25

SUBCONTRACTOR

NAME	TOTAL
	0 \$ -
	0 \$ -

SUB TOTAL "S" \$ -

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	KY TAX	TOTAL
Miscellaneous Materials (See attached Bld Extension	1	\$ 2,911.38	\$ 174.68	\$ 3,086.06
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -

SUB TOTAL "M" \$ 3,086.06

TOTAL "L,DJE,E,S,M" \$ 3,445.09

OVERHEAD 5% \$ 172.25

SUBTOTAL \$ 3,617.34

PROFIT 10% \$ 361.73

TOTAL \$ 3,979.08

Items+ByProducts

Item #	Item Name	Quantity	Price 1	Ext Price 1	Bld Lbr	Bld Lbr Ext	CCode
Category: CCode = Branch Rough							
4,147	3/4" X 6" NIPPLE ALU	3.00	\$813.00 C	\$24.39	11.00 C	0.33	cb
4,889	3/4 ALUM MEYERS HUB	6.00	\$362.75 C	\$21.78	0.30 E	1.80	cb
Totals for CCode				\$46.15		2.13	
Category: CCode = Hangers/Anchors							
5,878	1/4 DROP IN ANCHOR	12.00	\$20.92 C	\$2.51	16.00 C	1.80	ch
6,583	1/4-20X1 SS HEX MACH BOLT	12.00	\$18.82 C	\$2.26	5.00 C	0.60	ch
6,825	1/4 SS LOCK WASHER	12.00	\$5.84 C	\$0.70	0.00 X	0.00	ch
6,838	1/4 SS FLAT WASHER	12.00	\$8.28 C	\$0.75	0.00 X	0.00	ch
Totals for CCode				\$6.22		2.40	
Category: CCode = Disc/Safety Switches							
100,254	30A 600V 3PH 4X NF SW	3.00	\$953.00 E	\$2,859.00	2.05 E	6.15	ed
Totals for CCode				\$2,859.00		6.15	
Category: CCode = Lugs/Termination/Ground							
9,391	12 GA TERMINATION	24.00	\$0.00 X	\$0.00	0.10 E	2.40	el
Totals for CCode				\$0.00		2.40	
Totals:				\$2,911.38		13.08	

Report Totals:

Items+ByProducts

Ext Price 1	Bld Lbr Ext
\$2,911.38	13.08

