		Summary Chart for Change Order #1						
Pro	Project:	ning Proc	Key					
		Contract # 305-2018	Ow = Owner Om = Omission A/E = Architect/Engineer C = Contractor	- Om - VEngine	Om = Omission Engineer C = Co	sion = Contra	actor	
				Char	nge Re	Change Requested by	d by	ပ္ပ
No.	Date	Brief Description	Price	š	A/E	ပ	m _O	Š.
_	3/26/2019	Centrifuge Control Panel Changes	\$10,670.00		×			-
		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.						
7	5/7/2019	Addition of three plug valves and one check valve	\$9,538.00				×	_
		Addition of check valve to the chopper pump in Primary Sludge Pump Station No. 2 and 3 plug valves in the Gravity Thickener Building.						
က	5/22/2019	Changes to Primary Sludge PS MCC	\$43,924.00	×			×	_
		Changes to motor control center configurations to prevent paralleling of 2 sources. MCCs to be configured to allow replacement of 3 VFDs; one at a time.						
	40/04/0048	Cravity Thickoner Tonke Hondroll & Cravita Cradit	400 00			>		,
	010211200		-423, 100.00			<		-
		Page TOTAL	\$39.032.00					
			00100100					



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

3/26/19

Re: Town Branch Thickening Process Upgrades

Project No. 4649

PCO #01-r - Centrifuge Control Panel Changes per RFI 09

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #01-r for your review compiled in accordance with the change order pricing procedures.

In follow up to RFI 09, FO #1 & FO #3, Dugan & Meyers proposes to provide the Centrifuge Power & Control Changes for the lump sum amount of \$10,670.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal. The coordination of the above referenced changes has delayed the delivery of the Centrifuge Control Panel and as such there may be a need to extend the Contract Times depending on the actual delivery date of the panel.

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

TOTAL (A thru G) + (H and I) + J + K

GRAND TOTAL THIS CHANGE

12030

6%

Project No.:

Contractor:

Engineer:

A.

В.

C.

D.

E.

F.

G.

H.

I.

J.

K.

Project Name:

LABOR

FUEL

SERVICE

(No Markup)

(markup is = 5%)

Small Tools

(% of Labor)

(No Markup)

Insurance, Bond

MATERIALS

OVERHEAD & PROFIT:

SUBCONTRACTOR

SALES TAX ON MATERIALS

SUBCONTRACTOR MARKUP

EQUIPMENT

Date: Change Order No.: PCO #01-r Town Branch Thickening Process Upgrades Centrifuge Power & Control Changes Description: Dugan & Meyers GRW Engineering TOTALS See Attached See Attached See Attached See Attached See Attached 9,467.00 Subtotal (A,B,C,D,E): \$9,467 15% (on items A,B,C,D,E)...... \$1,420 \$568 Subtotal (A thru G): \$11,455 See Attached (952.90) 5% Subtotal (H and I): (\$1,001) 3.00% \$0 2.06% \$215

5/21/2019

\$10,670

\$10,670

TOTALS

Proposal Line Item Breakdown				=	
	1				
Description	Quantity	Unit	Rate		Totals
Materials					
Flottweg Panel Change	1	LS	\$ 9,467.00	\$	9,467.00
				\$	**
			Subtotal	\$	9,467.00
Labor					
				\$	
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
			Subtotal	\$	-
Equipment					
				\$	-
				\$	-
				\$	
Fig. 1			Subtotal	\$	-
Fuel					
			\$ -	\$	-
			Subtotal	\$	-
Service					
				\$	-
				\$	-
				\$	-
			Subtotal	\$	-
Subcontractors					
TEM CO #1 (see attached)	1	ls	\$769.62	\$	769.62
TEM CO #3 (see attached)	1	ls	\$ (1,722.52)		(1,722.52)
			Subtotal	\$	(952.90)

E . 5



RFI Transmittal

engineering | architecture | geospatial

GRW | 801 Corporate Drive Lexington, KY 40503

PROJECT

4649 Town Branch Thickening

DATE SENT

3/29/2019

Process Upgrade 4649

SUBJECT

009 - Centrifuge Control Panel

Quantity & Location

RFI ID

RFI 09

TYPE

RFI

TRANSMITTAL ID

00069

PURPOSE

Answered

VIA

Info Exchange

QUESTION:

See attached.

SUGGESTION:

ANSWER:

1. he centrifuge control panel shall be provided in a single panel configuration. The panel shall be NEMA 12 enclosed with fan kit for cooling internal components.

2. The centrifuge control panel location will be addressed in Field Order No. 1.

Per 5/2/19 onsite coordination meeting with LFUCG, GRW, D&M and Flottweg, it was decided to proceed with a single NEMA 4x panel with AC system.

FROM

NAME	COMPANY	EMAIL	PHONE
Brittany Goodwin	GRW	BGoodwin@grwinc.com	859-223-3999

TO

	NAME	COMPANY	EMAIL	PHONE
12.170m As 8000 - 10.960	Addison Wheatley	Dugan & Meyers LLC	awheatley@dugan- meyers.com	502-894-4481

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	3/7/2019	RFI - 009 - Centrifuge Control Panel Quantity & Location.pdf				



Field Order

Date: Project:			4649
Project:	2019-03-38	Owner:	Lexington-Fayette Urban County Government
	Thickening Process Upgrades	Contractor:	Dugan and Meyers
and/or compensation: In the event that the ethe Contractor must	for extra work related to this Field Order the xecution of this Field Order entitles	c Contractor waive der. the Contractor to o Engineer. No con	ontract Documents or which orders minds all subsequent claims for additional times and/or compensation of the performed until
sludge pump feeder potable water line w length of the control	own on the attached drawing. Existing circuits back to motor control center	ng spare 2" condui MCC-M. A drip p panel location. Th	nall be located on an existing concrete ts shall be utilized for the centrifuge and an shall be installed on the existing blue are drip pan shall be installed over the full
ARCHITECT-ENG	INEER:	CONTRACTO	<u>R:</u>
	DATE		DATE
CC:	DATE	ATTACHMEN	TS:



Field Order

Field Order No.:	03	Project No.:	4649
Date:	2019-05-08	Owner:	Lexington-Fayette Urban County Government
Project:	Thickening Process Upgrades	Contractor:	Dugan and Meyers
revisions in the Wor and/or compensation In the event that the of the Contractor must	k. By executing this Field Order the offer extra work related to this Field Order execution of this Field Order entitles the	Contractor waive er. ne Contractor to a Engineer. No con	ontract Documents or which orders minor is all subsequent claims for additional time claim additional time and/or compensation, in mpensable work is to be performed until a
(1)#8 GND in 1-1/4 See keynote 8 on co	"C in lieu of (3)#3/0 and (1)#6 GND in 2	2"C. 3P circuit breaker	el main power circuit shall be (3)#3 and in existing motor control center MCC-M
ARCHITECT-EN		CONTRACTO	
CC:	DATE	ATTACHME	DATE NTS:
Tiffany Rank, LFU	CU .		

CHANGE ORDER REQUEST



Change Order Request # 1

Date: 04/26/19

TEM Project # 19-02

Pro	iert	Na	ma.
PIU	IELL.	INd	me:

Description:

LFUCG - Town Branch WWTP Thickening Process Upgrades Project

C.O. #1 - Field Order #1 - Pricing includes TEM Group, Inc. furnishing and installing additional conduits, fittings, supports and wiring required for the conduits and wiring in Key Notes #12, #13, #14, #17, #21, #22 per the new location of the Centrifuge panel. Additional wiring was required for not #23 and a credit was given for the conduit back to the MCC. The reduction of conduit and wire in key note #16 is also included.

LABOR

LABOR TYPE	MAN HOURS	S-400 000	\$/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	1	\$	32.00	\$ 7.04	\$ 6.00	\$ 45.04
PM	4	\$	45.00	\$ 15.00		\$ 240.00
						\$

SUB TOTAL "L" \$ 285.04

DJE	MAN HOURS		RATE	THE REAL	VALUE OF STREET	100 TE		The Residence	TOTAL
ELECTRICIAN	1	\$	5.32					\$	5.32
FOLHDAFNIT						SUB TOTAL	. "DJE"	\$	5.32
EQUIPMENT	- b 's 16's								
DESCRIPTION	MAN HOURS	Sec. Acres	RATE			1			TOTAL
Jobsite pick up	1	\$	13.50	HR				\$	13.50
PM pick up	4	\$	13.50	HR				\$	54.00
								\$	-
						Service of the same of the same			
CURCONTRACTOR						SUB TOTAL	"E"	\$	67.50
SUBCONTRACTOR									
NAME									TOTAL
			0	\$	-			\$	-
			0	\$	-			\$	-
						SUB TOTAL	"S"	\$	-
MATERIALS									
MATERIALS AND INVOICE	the second secon	QU	ANTITY	0. 63	COST		KY TAX	- 57	TOTAL
Miscellaneous Materials (See attached extension)		1	\$	291.02	\$	17.46	\$	308.48
						\$	-	\$	-
						\$	-	\$	-
						\$		Ś	

SUB TOTAL "M"	\$ 308.48
TOTAL "L,DJE E,S,M"	\$ 666.34
OVERHEAD 5%	\$ 33.32
SUBTOTAL	\$ 699.65
PROFIT 10%	\$ 69.97
TOTAL	\$ 769.62

Column 1	Column 2	Column 3		Column 4	Col	umn 5			
Combined	Additional Material	Combined		Combined	Con	nbined			
Items+ByPro	ducts								
Item # Item Name	(Quantity	Price 2		Ext Price 2	CO Lbr 1		CO Lbr 1 Ext	CCode
Category: CCode =	<none></none>								
100,121 #16 TSP Cabi	e	30.00	\$385.00	М	\$11.55	4.40	М	0.13	
100,122 3/C #16 Shield	ded Cable	30.00	\$643.50	М	\$19.31	4.40	М	0.13	
100,123 4/C #16 Shield	ded Cable	30.00	\$797.50	М	\$23.93	5.02	М	0.15	
100,124 6/C #16 Shield	ded Cable	30.00	\$1,045.00	М	\$31.35	6.28	М	0.19	
100,129 Cat 6 Etherne	t Cable	30.00	\$297.00	М	\$8.91	5.02		0.15	
100,133 3/C #8 With #	10 Ground VFD C	30.00	\$2,095.50	M	\$62.87	17.58	М	0.53	
100,134 3/C #1 With #8	3 Ground VFD Ca	30.00	\$2,571.75		\$77.15	17.58	М	0.53	
Totals for CCode									
					\$235.06			1.81	
Category: CCode =	Branch Rough								
4,054 3/4 ALUM CO	TIUDNO	170.00	\$144.85	С	\$246.25	3.77	С	6.41	cb
4,055 1 ALUM CO	NDUIT	90.00	\$211.09	С	\$189.98	5.02	С	4.52	cb
4,242 3/4 AL LB BC	DDY	4.00	\$13.69	E	\$54.75	0.38	E	1.51	cb
4,476 3/4 AL FLAT	COVER	4.00	\$4.23	Е	\$16.93	0.00	Х	0.00	cb
4,485 3/4 AL GASK	ŒΤ	4.00	\$3.48	E	\$13.92	0.00	Х	0.00	cb
4,736 1 ALUM GN	ID MEYERS HUB	3.00	\$1,068.99	С	\$32.07	0.38	E	1.13	cb
5,245 3/4 SS316 RIC	SID CONDUIT CL	22.00	\$2.41	E	\$53.00	1.88	С	0.41	cb
5,246 1 SS316 RIGII	D CONDUIT CLA	12.00	\$2.71	E	\$32.47	1.88	С	0.23	cb
Totals for CCode									
					\$639.37			14.21	
Category: CCode =	Feeder Rough								
4,056 1 1/4 ALUM C	ONDUIT	30.00	\$265.26	С	\$79.58	6.28	С	1.88	cf
4,058 2 ALUM CO	NDUIT	30.00	\$441.45	C	\$132.44	8.79	С	2.64	cf
4,244 1 1/4 AL LB B	YDC	1.00	\$29.64	E	\$29.64	0.50	Е	0.50	cf
4,246 2 AL LB BO	DY	1.00	\$64.13	E	\$64.13	0.69	Ε	0.69	cf
4,478 11/4 - 11/2 A	L FLAT COVER	1.00	\$6.47	Ε	\$6.47	0.00	Χ	0.00	cf
4,479 2 AL FLAT	COVER	1.00	\$11.40	E	\$11.40	0.00	Х	0.00	cf
4,487 1 1/4 - 1 1/2 Al	L GASKET	1.00	\$5.94	E	\$5.94	0.00	X	0.00	cf
4,488 2 AL GASKI	ET	1.00	\$7.08	E	\$7.08	0.00	Х	0.00	cf
5,247 1 1/4 SS316 R	IGID CONDUIT C	4.00	\$2.99	Е	\$11.97	2.51	С	0.10	cf
5,249 2 SS316 RIGII	O CONDUIT CLA	4.00	\$4.81	E	\$19.23	2.51	С	0.10	cf
					\$367.87		-	5.92	
Category: CCode =	-								
6,659 1 1/2 SS KIND	ORF	20.00	\$8.25	E	\$165.00	6.28	С	1.26	ch
Totals for CCode									
					\$165.00			1.26	
Category: CCode =									
100,101 12 XHHW CU		460.00	\$153.02	M	\$70.39	5.00	M	2.30	wb
100,102 10 XHHW CL	JSTRANDED	200.00	\$222.27	M	\$44.45	6.20	М	1.24	wb
Totals for CCode									
					\$114.84			3.54	

Category: CCode = 100,104 6 XHHW Ct 100,111 3/0 XHHW C Totals for CCode	J STRANDED	30.00 90.00	\$510.16 \$2,920.74		\$15.30 \$262.87 \$278.17	8.75 25.00		i wf i wf
Totals:								
					\$1,800.30		29.24	ı
Column 1 Combined	Column 2 Credit Materials	Column 3 Combined		Column 4 Combined		umn 5		
Items+ByPro		Combined		Combined	Con	nbined		
-		• "						
Item # Item Name Category: CCode =		Quantity	Price 2		Ext Price 2	CO Lbr 1	CO Lbr 1 Ext	CCode
4,054 3/4 ALUM CO		-220.00	\$144.85	С	-\$318.68	3.77 (-8.29	ch
4,242 3/4 AL LB BO		-8.00	\$13.69		-\$109.50	0.38 E		
4,476 3/4 AL FLAT	COVER	-8.00	\$4.23		-\$33.86	0.00		
4,485 3/4 AL GASK	(ET	-8.00	\$3.48	Е	-\$27.84	0.00		
4,735 3/4 ALUM G/	ND MEYERS HUB	-12.00	\$991.34	С	-\$118.96	0.38 E	-4.52	cb
5,245 3/4 SS316 RIG	GID CONDUIT CL	-28.00	\$2.41	E	-\$67.45	1.88 (-0.53	cb
Totals for Code					-\$676.29		40.05	
					-\$0/0.29		-16.35	
Category: CCode =	Feeder Rough							
4,058 2 ALUM CO	NDUIT	-80.00	\$441.45	С	-\$353.16	8.79	-7.03	cf
4,246 2 AL LB BO		-3.00	\$64.13	E	-\$192.38	0.69 E		-
4,479 2 AL FLAT	COVER	-3.00	\$11.40	Е	-\$34.20	0.00 X	0.00	cf
4,488 2 AL GASKI		-3.00	\$7.08		-\$21.24	0.00 X	0.00	cf
	ID MEYERS HUB	-1.00	\$1,434.65		-\$14.35	0.94 E	-0.94	cf
5,249 2 SS316 RIGIO	J CONDUIT CLA	-10.00	\$4.81	Ε	-\$48.07	2.51 C	-0.25	cf
Totals for CCode				-	-\$663.40		-10.30	
					-\$003. 4 0		-10.30	
Category: CCode =	Hangers/Anchor	s						
6,659 1 1/2 SS KIND	ORF	-20.00	\$8.25	Ε	-\$165.00	6.28 C	-1.26	ch
Totals for CCode								
					-\$165.00		-1.26	
Category: CCode = 100,101 12 XHHW CU		-30.00	\$153.02	М	-\$4.59	5.00 M	-0.15	wb
Totals for CCode				-				
					-\$4 .59		-0.15	
Totals:								
					A4 800 00		=	
					-\$1,509.28		-28.06	

Report Totals:

Items+ByProducts

Ext Price 2 CO Lbr 1 Ext \$291.02 1.18

CHANGE ORDER REQUEST



Change Order Request # 3 - Revised

Date: 05/08/19

TEM Project # 19-02

Proi	ect	Na	me:
------	-----	----	-----

Description:

LFUCG - Town Branch WWTP Thickening Process Upgrades Project

C.O. #3 - Change Centrifuge Panel Feeder Size - Pricing includes TEM Group, Inc. furnishing and installing wiring changes the feeder size of cable from, (3) 3/0 Cables with #6G to (3) #3 Cables with #8G. Also included is the credit for changing breaker setting from 200Amp to 90Amp for bucket section 12B in MCC-M. Credit for the 2" conduit where the feeder cable is to be installed in an existing conduit was included in C.O #1 Field Order #1.

LABOR

LABOR TYPE	MAN HOURS	\$/HR	BURDEN	T.ani	FRINGE	12.00	TOTAL
Delete Electrician	-11	\$ 32.00	\$ 7.04	\$	6.00	\$	(495.44)
Add Electrician	7	\$ 32.00	\$ 7.04	\$	6.00	\$	315.28
						\$	

SUB TOTAL "L" (180.16)

SUB TOTAL "S"

DJE	MAN HOURS	RATE	Carlotte and the same of the same	TOTAL
Delete Electrician	-11	\$ 5.32	\$	(58.47)
Add Electrician	7	\$ 5.32	\$	37.21

EQUIPMENT				SUB TOTAL "DJE"	\$	(21.26)
DESCRIPTION	MAN HOURS	RATE	2			TOTAL
Jobsite pick up	-2	\$ 13.50	HR		Ś	(27.00)
DNA - Calc.					7	(27.00)

	A 1984 - 1944 -	 10.10.0		The second secon	IUIAL
Jobsite pick up	-2	\$ 13.50	HR	\$	(27.00)
PM pick up		\$ 13.50	HR	\$	
				\$	

SUBCONTRACTOR		SUB TOTAL "E"	\$ (27.00)
NAME	1 0		TOTAL
	0	\$ -	\$ •
	0	\$ -	\$

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	KY TAX	TOTAL
Add Miscellaneous Materials (See attached bid extension)	1	\$ 522.21	\$ 31.33	\$ 553.54
Delete Miscellaneous Materials (See attached bid extension)	1	\$ (1,504.66)	\$ (90.28)	\$ (1,594.94)
Change Breaker Setting from 200Amp to 90Amp(See attached)	1	\$ (209.00)	\$ (12.54)	\$ (221.54)
		\$ -	\$ -	\$

SUB TOTAL "M"	\$ (1,262.94)
TOTAL "L,DJE E,S,M"	\$ (1,491.36)
OVERHEAD 5%	\$ (74.57)
SUBTOTAL	\$ (1,565.93)
PROFIT 10%	\$ (156.59)
TOTAL	\$ (1,722.52)

Items+ByProducts

Item # Item Name	Quantity	Price 1	Ext Price 1	Bid Lbr	Bid Lbr Ext CCode
Category: CCode = Feeder Wire					
100,104 6 XHHW CU STRANDED	-170.00	\$486.97 M	-\$82.78	7.00 M	-1.19 wf
100,111 3/0 XHHW CU STRANDED	-510.00	\$2,787.98 M	-\$1,421.87	20.00 M	-10.20 wf
Totals for CCode					
			-\$1,504.66		-11.39
Totals:					
			-\$1,504.66		-11.39

Report Totals:

Items+ByProducts

Ext Price 1 Bid Lbr Ext -\$1,504.66 -11.39

Items+ByProducts

Item # Item Name	Quantity	Price 2	Ext Price 2	CO Lbr 1	CO Lbr 1 Ext CCode
Category: CCode = Feeder Wire					
100,103 8 XHHW CU STRANDED	170.00	\$359.91 M	\$61.18	7.50 M	1.27 wf
100,106 3 XHHW CU STRANDED	510.00	\$903.97 M	\$461.02	11.25 M	5.74 wf
Totals for CCode					
		_	\$522.21		7.01
Totals:					

			\$522.21		7.01

Report Totals:

Items+ByProducts

Ext Price 2 CO Lbr 1 Ext \$522.21 7.01

Page: 3 of 3



Date:

April 22, 2019

Company:

Dugan & Meyers LLC Town Branch WWTP 301 Jimmie Campbell Dr Lexington, KY 40504

Attention:

Mr. Dan Haney

Reference:

Change order for addition of air conditioner to panel for project 102065 Town Branch

WWTP

Dear Mr. Haney:

We are pleased to submit for your consideration our above referenced firm proposal subject to the enclosed Conditions of Sale.

Qty. Item Description

(1) **Upgrade of Control Panel**

Addition of air conditioner to control panel to increase rating of panel from NEMA 12 to NEMA 4 as required for new control panel installation location.

Previous Price: USD \$13,254.00 Each

Total: \$13,254.00

D.D.U. Delivered Duty Unpaid Plant Site Lexington, Kentucky

This cost was reduced to \$9,467.00. This reduced cost was calculated from the following:

HMI Panel Enclosure Credit

-\$700.00

Engineering cost associated with Air Conditioner redesign

-\$3,087.00

The final cost covers the Manufacturer's cost of adding an air conditioner, upgrading the entire panel to stainless steel, and base engineering costs.

Firm Price: USD \$9,467.00 Each

Total: \$9,467.00

D.D.U. Delivered Duty Unpaid Plant Site Lexington, Kentucky

Due to the current volatility surrounding surcharges on stainless steels and other alloys as well as a constantly changing USD to EURO exchange rate, we reserve the right to adjust our pricing after the proposal validity has expired.

Respectfully submitted by:

Flottweg Separation Technology, Inc.

Brittany Jump Project Engineer bjump@flottweg.net (859) 283-6282

PCO #2



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

5/7/19

Re: Town Branch Thickening Process Upgrades

Project No. 4649

PCO #02 – Added Valves at Thickener Building & Pump Station #2

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #02 for your review compiled in accordance with the change order pricing procedures.

In follow up to RFI 07 & 08 responses, Dugan & Meyers proposes to provide the additional Plug Valves and Check Valve detailed in the RFIs for the lump sum amount of \$9,538.00.

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:

5/7/2019

Project No.: 12030 Change Order No.: PCO #02 Project Name: Town Branch Thickening Process Upgrades Description:_ RFI 7 & 8 Added Valves Contractor: Dugan & Meyers Engineer: GRW Engineering TOTALS LABOR A. 2,840.00 See Attached EQUIPMENT В. See Attached FUEL C. See Attached SERVICE D. See Attached MATERIALS E. See Attached 4,955.76 Subtotal (A,B,C,D,E): \$7,796 F. OVERHEAD & PROFIT: 15% (on items A,B,C,D,E)...... \$1,169 G. SALES TAX ON MATERIALS 6% \$297 (No Markup) Subtotal (A thru G): \$9,262 SUBCONTRACTOR H. See Attached \$ SUBCONTRACTOR MARKUP \$0 I. 5% (markup is = 5%) Subtotal (H and I): \$0 **Small Tools** J. 3.00% \$85 (% of Labor) K. Insurance, Bond 2.06% \$191 (No Markup) TOTAL (A thru G) + (H and I) + J + K \$9,538 GRAND TOTAL THIS CHANGE TOTALS \$9,538

Proposal Line Item Breakdown					
Description	Quantity	Unit	Rate		Totals
Materials				I	
Added Valves Per RFIs #7 & #8 (see Hydro Control Pricing)	1	LS	\$4,360.00	\$	4,360.0
6" Flang Pipe Spool under 12" (to install added check valve)	2	EA	\$157.73	\$	315.4
6" Bolt Packs and Gaskets (at added Valves & Spools)	10	EA	\$20.56	\$	205.6
8" Bolt Packs and Gaskets (at added Valve & Fitting to allow install)	3	EΑ	\$24.90	\$	74.7
	·		Subtotal	\$	4,955.7
Labor					
				\$	-
Project Engineer	6	mhrs	\$65.00	\$	390.0
Remove, Replace & Add Valves in Thickener Builidng				\$	-
Pipefitter	24	mhrs	\$43.75	\$	1,050.0
Carpenter	12	mhrs	\$43.75	\$	525.0
				\$	
Modify Piping & Intall New Valve in Sludge Pump Station #2				\$	-
Pipefitter	14	mhrs	\$43.75	\$	612.5
Carpenter	6	mhrs	\$43.75	\$	262.5
				\$	-
			Subtotal	\$	2,840.0
Equipment					
				\$	
				\$	-
				\$	
			Subtotal	\$	
Fuel					
			\$ -	\$	-
			Subtotal	\$	-
Service					
				\$	
				\$	-
				\$	-
			Subtotal	\$	-
Subcontractors					
				\$	-
				\$	-
			Subtotal	\$	-



RFI Transmittal

engineering | architecture | geospatial

GRW | 801 Corporate Drive Lexington, KY 40503

PROJECT

4649 Town Branch Thickening

DATE SENT

3/20/2019

Process Upgrade

4649

SUBJECT

007 - Thickener Building Pipe &

RFI ID

RFI 07

TYPE

RFI

TRANSMITTAL ID

00029

PURPOSE

Answered

VIA

Info Exchange

QUESTION:

SUGGESTION:

ANSWER:

- 1. The valves in section 4 on M-03-301 are 8".
- 2. There are 21 6" plug valves to be replaced in the Gravity Thickener Building. The attached drawing is correct.
- 3. There are 6 8" plug valves to be replaced in the Gravity Thickener Building. The attached drawing is correct.
- 4. Regarding the concern that the centerline of the pipe will be affected by replacement of the eccentric reducers at the tee in the Gravity Thickener Building, D&M previously requested a different piping arrangement at the tee which should align with the existing pipe. D&M requested to install a 8x8" true wye with reducers as opposed to the 8x6" reducing true wye called out in the plans. Use eccentric reducers to match the existing centerline.

FROM

NAME	COMPANY	EMAIL	PHONE
Brittany Goodwin	GRW	BGoodwin@grwinc.com	859-223-3999

TO

NAME	COMPANY	EMAIL	PHONE
Addison Wheatley	Dugan & Meyers LLC	awheatley@dugan- meyers.com	502-894-4481

DESCRIPTION OF CONTENTS

Q	ΤY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
And a second to the second carries of the se	1	2/26/2019	RFI - 007 - Thickener Building Pipe & Valves.pdf				

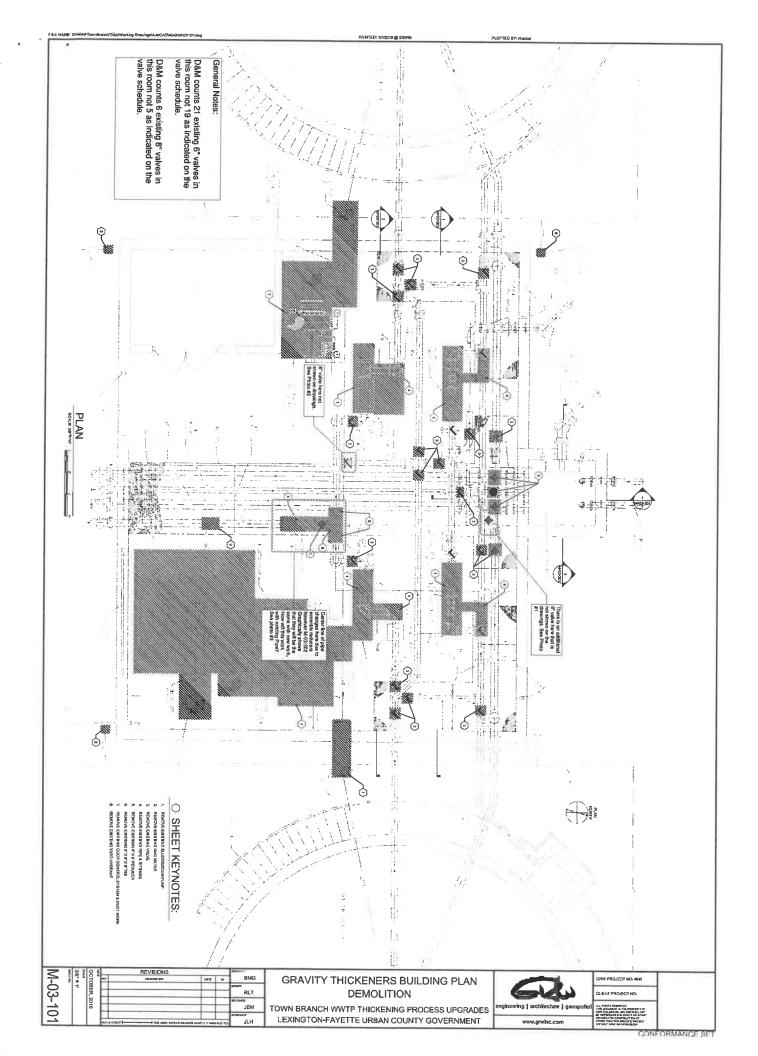
COPIES:

Request for Information

007

Detailed, RFI's Grouped by RFI Number

Town Branch Thickening 301 Jimmie Campbell Driv		Project # Tel:	12030			
Lexington KY, 40504		Fax:				
RFI # 007					Date Created:	2/26/2019
Answer Company	Answered By	Transm	itted By:		Authored By	
GRW Engineers, Inc. 801 Corporate Drive Lexington KY, 40503 Tel: 859-223-3999	Brittany Goodwin	Dugan & Mo 2700 River (Louisville, K Tel: 502-779	Green Circle Y 40206		Addison Whea	atley
Co-Respondent		Author RFI	Number		Sta	tus
1		007		2/26/2019	Subm	nitted
Subject		Discipline			Category	
Thickener Building Pipe &	Valves	Sanitary				
Cc: Company Name LFUCG	Contact Name Tiffany Rank		Copies	Notes	Delivery Meth New Forma	nod
Question: GRW Engineers,					ate Required:	3/12/2019
Section 4 on sheet M-03-301 in concerned regarding the size of D&M field measured the valves drawings of which we were not	f two (2) valves in the Gravity Tl s in place and confirmed that th	hickener Buildin ey are 8" valves	g which tie to th as scheduled, h	nis line but are label nowever we noticed	ed 8". During our 2	2/20/19 site visit
Thanks, DM Management Team						
Suggestion						
Answer				Da	ate Answered:	
		- Signature				Signed Date



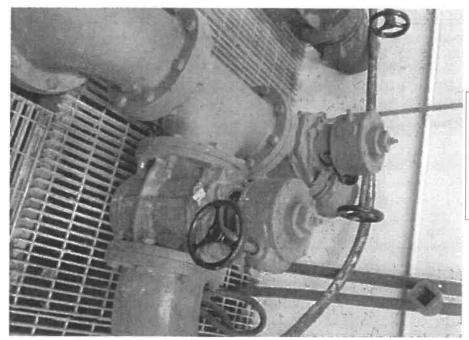


Photo #1



Photo #3

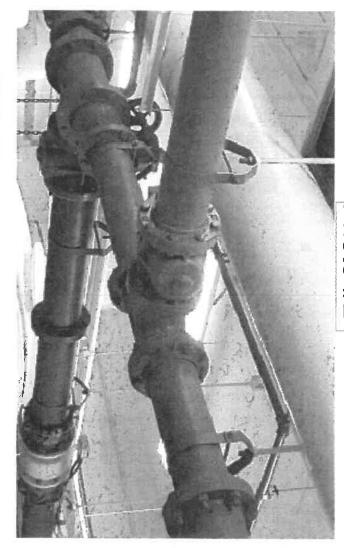


Photo #2



RFI Transmittal

engineering | architecture | geospatial

GRW | 801 Corporate Drive Lexington, KY 40503

PROJECT

4649 Town Branch Thickening

DATE SENT

3/18/2019

Process Upgrade

4649

SUBJECT

008 - Chopper Pump Check Valve

RFI ID

RFI 08

TYPE

RFI

TRANSMITTAL ID

00026

PURPOSE

Answered

VIA

Info Exchange

QUESTION:

SUGGESTION:

ANSWER:

Please provide one (1) 6-inch check valve between the chopper pump and

the new 6-inch discharge plug valve.

FROM

NAME	COMPANY	EMAIL	PHONE
Brittany Goodwin	GRW	BGoodwin@grwinc.com	859-223-3999

TO

NAME	COMPANY	EMAIL	PHONE
Addison Wheatley	Dugan & Meyers LLC	awheatley@dugan- meyers.com	502-894-4481
Rick Bowman	Lexington-Fayette Urban County Government	rbowman@lexingtonky.go v	
Tiffany Rank	Lexington-Fayette Urban County Government	tiffanyr@lexingtonky.gov	859-425-2406

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1		RFI - 008 - Chopper Pump Check Valve.pdf				

Addison Wheatley

From:

Adam McCarthy <amccarthy@hydrocontrols.net>

Sent:

Thursday, March 21, 2019 5:09 PM

To:

Addison Wheatley

Subject:

RE: Town Brach Project

Addison,

Please see the below prices for the additional valves below. If you have any questions or concerns do not hesitate to give me a call.

1 – 6" Flanged plug valve with chain wheel operator: \$928.00 Note: Includes chain for 10ft. of height

1 – 6" Flanged plug valve with handwheel operator: \$622.00

1 – 8" Flanged plug valve with handwheel operator: \$902.00

www

1-6" Swing check valve: \$1,908.00

Total = \$4,360

Thank you,

Adam McCarthy
Hydro Controls, Inc.
473 Cincinnati-Batavia Pike, Suite 2
Cincinnati, OH 45244
amccarthy@hydrocontrols.net
(270) 313-4873 - mobile
(513) 474-7400 - office
(513) 474-7401 - fax
www.hydrocontrols.net

From: Addison Wheatley [mailto:awheatley@dugan-meyers.com]

Sent: Wednesday, March 20, 2019 3:13 PM

To: Adam McCarthy **Cc:** Dan Haney

Subject: Town Brach Project

Adam,

D&M has received responses on Two RFI's which affect the valve scope on the Town Branch WWTP Project.

RFI 007:

- Increased the scheduled 6" Plug valves in the Thickener Building from 19 to 21
- Increased the scheduled 8" Plug valves in the Thickener Building from 5 to 6

RFI 008:

Increased the scheduled 6" Swing Check valves in Pump Station #2 from 6 to 7

See attached RFI responses and provide D&M with a price to include these added valves in Hydro Controls Scope of supply.

Thanks,

PLO #3



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

5/22/19

Re: Town Branch Thickening Process Upgrades

Project No. 4649

PCO #03-r - MCC-D2 & MCC-E2 Changes per Field Order #2

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #03 for your review compiled in accordance with the change order pricing procedures.

In follow up to Field Order #2, Dugan & Meyers proposes to provide the changes to MCC -D2 & MCC-E2 detailed in Field Order #2 for the lump sum amount of \$43,924.00.

This proposal includes changes only to the extent detailed in the attached detailed pricing proposal. The coordination of the above referenced changes has delayed the delivery of the Pump Station #1 & #2 electrical gear and as such there may be a need to extend the Contract Times depending on the actual delivery date of the materials.

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

5/22/2019

Date: 12030 Project No.: Change Order No.: PCO #03-r Town Branch Thickening Process Upgrades Project Name: Description: MCC-D2 & MCC-E2 Changes per FO #2 Contractor: Dugan & Meyers Engineer: **GRW** Engineering TOTALS LABOR A. See Attached B. **EQUIPMENT** See Attached C. FUEL See Attached SERVICE D. See Attached MATERIALS E. See Attached Subtotal (A,B,C,D,E): \$0 F. OVERHEAD & PROFIT: 15% (on items A,B,C,D,E)...... \$0 G. SALES TAX ON MATERIALS 6% \$0 (No Markup) Subtotal (A thru G): \$0 SUBCONTRACTOR H. See Attached 40,988.06 SUBCONTRACTOR MARKUP T. 5% \$2,049 Subtotal (H and I): (markup is = 5%)\$43,037 Small Tools J. 3.00% \$0 (% of Labor) K. Insurance, Bond 2.06% \$887 (No Markup) TOTAL (A thru G) + (H and I) + J + K\$43,924

GRAND TOTAL THIS CHANGE

TOTALS

\$43,924

Proposal Line Item Breakdown					
Description	Quantity	Unit	Rate	Tota	le
Materials	dodning	Onk	Trate	100	13
				\$	-
				\$	-
			Subtotal	\$	
Labor					
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	_
				\$	-
			Subtotal	\$	-
Equipment					
				\$	-
				\$	-
				\$	_
			Subtotal	\$	-
Fuel					
			\$ -	\$	-
			Subtotal	\$	-
Service					
				\$	-
				\$	-
				\$	-
			Subtotal	\$	-
Subcontractors					
TEM Group - see attached propos	al 1	LS	\$40,988.06	\$ 40,98	8.06
				\$	-
			Subtotal	\$ 40,98	8.06

¢

CHANGE ORDER REQUEST



Change Order Request # 2 - Revision #1

Date: 05/22/19

TEM Project # 19-02

	_		
Pro	iect	Na	me:

LFUCG - Town Branch WWTP Thickening Process Upgrades Project

Description:

C.O. #2 - Field Order #2 - Pricing includes TEM Group, Inc. furnishing and installing additional conduits, fittings, supports and wiring required for additional feeder conduits from existing MCC's to the two new MCC's per revised drawing E-00-603. Also included in pricing are the additional cost for revised Square D Motor Control Centers and two additional 200Amp Feeder Breakers added to the existing Eaton Motor Control Centers per the revised Field Order #2 Drawings dated 04/25/19.

LABOR TYPE	MAN HOURS	\$/HR	BURDEN	FRINGE	TOTAL
ELECTRICIAN	36	\$ 32.00	\$ 7.04	\$ 6.00	\$ 1,621.44
PM	4	\$ 45.00	\$ 15.00		\$ 240.00
					\$ -

SUB TOTAL "L" \$ 1,861.44

DJE	MAN HOURS	RATE	TO	TAL
ELECTRICIAN	36	\$ 5.32	\$ 191.	

SUB TOTAL "DJE"	\$ 191.34

DESCRIPTION	MAN HOURS	RATE		TOTAL
Jobsite pick up	18	\$ 13.50	HR	\$ 243.00
PM pick up	4	\$ 13.50	HR	\$ 54.00

SUB TOTAL "E"	\$ 297.00
#- L	

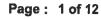
SUBCONTRACTOR

NAME				TOTAL
	0	\$ -	\$	-
	0	\$ •	\$	•
		SUB TOTAL "S"	4	

MATERIALS

MATERIALS AND INVOICES	QUANTITY	COST	10	KY TAX	4	TOTAL
Miscellaneous Materials (See attached extension)	1	\$ 2,477.00	\$	148.62	\$	2,625.62
Additional Eaton Breaker Quote (See attached)	1	\$ 5,400.00	\$	324.00	\$	5,724.00
New Revised Square D Bom Quote	1	\$ 142,260.00	\$	8,535.60	\$	150,795.60
Original Square D BOM Quote	1	\$ (118,875.00)	\$	(7,132.50)	\$	(126,007.50)

SUB TOTAL "M"	\$ 33,137.72
TOTAL "L,DJE E,S,M"	\$ 35,487.50
OVERHEAD 5%	\$ 1,774.38
SUBTOTAL	\$ 37,261.88
PROFIT 10%	\$ 3,726.19
TOTAL	\$ 40,988.06





Expiration Date: 12/19/18

Quotation

TO:

T.E.M. GROUP,INC 3560 BASHFORD AVE. SUITE 100 LOUISVILLE, KY 40218 Project Info:

Project:

*Town Branch Thickener

Job #:

#BR-111618-11583

Bid Date:

11/19/18

Bid Time:

02:00 PM EST

Quoter:

Keene Jones

Гуре	Quantity	Vendor	Description	Unit or Lot#	Unit Price	Ext Price
Gear	. 1	SCHNEIDE	SqD Lot Q-595406	SCHNEID	142,260.870	142,260.87
MCC-E2	1	SCHNEIDE	Model 6 LVMCC-Model 6 MCC - Standard Package System Voltage: 480V 3PH 3W 60Hz Max Available Fault Current (RMS) - 65kA Control Power - 120Vac Class 2 Type B Wiring 1/4" x 2" Horizontal Ground Bus, Tin Plated Copper 20" Deep Construction General Purpose Type 1 Enclosure 65kA Bus Withstand Rating 600A Tin Plated Copper Horizontal Bus Vertical Ground Bus, Tin Plated Copper White Interior Unit Nameplate Gray Surface / White Letters Wire Tie Retainers in Vertical Wireway Standard Exterior Paint ANSI 49 Equipment Mounting Height 72" Manual Vertical Bus Shutters Rodent Barriers Engineered To Order (ETO)	SCHNEID		

From:

B&S ELECTRIC SUPPLY CO. Phone 502-261-0442 11000 Plantside Dr. LOUISVILLE, KY 40299 Printed By: Corey Seymour Corey Seymour

Notes

Price does not include freight charges for orders that do not meet pre-paid minimums or for expedited freight.

Page: 2 of 12



Quantity

Туре

Project:

*Town Branch Thickener

Expiration

12/19/18

Quotation

Vertical Bus

Vendor

LOT#

Unit Price

Ext Price

DIMENSIONS AND WEIGHT

Dimensions: 100.00"W X 20"D X 94.5"H

Approximate Weight: 3750.00 lbs / 1701.00 kgs

INCOMING

Description

Incoming Connection: Cable

MAIN

65kA Interrupting Rating

Main Breaker Top Entry 200A

Fishtape Unit Plugs

Key Interlock (Single Cylinder)

(1) Door Padlock (TAG#: T-911)

FEEDERS

1 - Circuit Breaker Branch Feeder 200A

65kA Interrupting Rating

12" Extra Mounting Height

(1) TIE BREAKER (TAG#: 4610104)

1 - Circuit Breaker Branch Feeder 200A

65kA Interrupting Rating

Key Interlock (Single Cylinder)

- (1) Door Padlock (TAG#: T-911)
- (1) convert to main breaker (TAG#: 468061)

COMMON FEEDER FEATURES

Fishtape Unit Plugs

ADJUSTABLE SPEED DRIVES

6 - Altivar 630 Process AC Drive 15 HP

w/Circuit Breaker

Rated for Normal Duty (Overcurrent 110%

(60 sec))

CAT# ATV630D11

COMMON ADJUSTABLE SPEED DRIVE

FEATURES

#16 AWG MTW Control Wire

Includes Class 2 Interwiring

Stop/Start Push Buttons with Manual Speed

Potentiometer

Factory Assigned Plastic Sleeve Wire Markers

Fishtape Unit Plugs

ASD 30mm Type K Pilot Devices



Page: 3 of 12

Project:

*Town Branch Thickener

Expiration

12/19/18

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	11	^	ta	T	0	n
136	м.	v			v	

Туре Quantity Vendor Description LOT# **Unit Price Ext Price** Motor On Push-to-Test LED Pilot Light (Red) 3" Extra Mounting Height System Impedance (3%) Fault Push-to-Test LED Pilot Light (Yellow) (1) Prep for controller by others (TAG#: 299969) MISCELLANEOUS DEVICES 2 - 27" Configured Space 1 - 18" Configured Space 1 - 15" Configured Space 1 - 36" Configured Space 1 - 9" Configured Space MCC-D2 SCHNEIDE Model 6 LVMCC-Model 6 MCC - Standard SCHNEID Package System Voltage: 480V 3PH 3W 60Hz Max Available Fault Current (RMS) - 65kA Control Power - 120Vac Class 2 Type B Wiring 1/4" x 2" Horizontal Ground Bus, Tin Plated Copper 20" Deep Construction General Purpose Type 1 Enclosure 65kA Bus Withstand Rating 600A Tin Plated Copper Horizontal Bus Vertical Ground Bus, Tin Plated Copper White Interior Wire Tie Retainers in Vertical Wireway Standard Exterior Paint ANSI 49 Equipment Mounting Height 72" Manual Vertical Bus Shutters Unit Nameplate Engraved with Gray Surface / White Letters **Rodent Barriers** Engineered To Order (ETO) 3 - Section(s) with 600A Tin Plated Copper Vertical Bus **DIMENSIONS AND WEIGHT** Dimensions: 60.00"W X 20"D X 94.5"H Approximate Weight: 2250.00 lbs / 1020.60 kgs **INCOMING**

Incoming Connection: Cable

MAIN

Page: 4'of 12



Project:

*Town Branch Thickener

Expiration

12/19/18

Quotation

Type Quantity Vendor Description LOT# Unit Price Ext Price

Main Lugs Top Entry 600A
(1) Door Padlock (TAG#: T-911)
ADJUSTABLE SPEED DRIVES

6 - Altivar 630 Process AC Drive 15 HP

w/Circuit Breaker

Rated for Normal Duty (Overcurrent 110%

(60 sec))

CAT# ATV630D11

COMMON ADJUSTABLE SPEED DRIVE

FEATURES

#16 AWG MTW Control Wire

Includes Class 2 Interwiring

Stop/Start Push Buttons with Manual Speed

Potentiometer

Factory Assigned Plastic Sleeve Wire Markers

Fishtape Unit Plugs

ASD 30mm Type K Pilot Devices

Motor On Push-to-Test LED Pilot Light (Red)

3" Extra Mounting Height

System Impedance (3%)

Fault Push-to-Test LED Pilot Light (Yellow)

(1) Prep for controller by others (TAG#:

299969)

MISCELLANEOUS DEVICES

1 - 12" Configured Space

2 - 18" Configured Space

System Voltage: 480V 3PH 3W 60Hz

Max Available Fault Current (RMS) - 65kA

Control Power - 120Vac

Class 2 Type B Wiring

1/4" x 2" Horizontal Ground Bus, Tin Plated

Copper

20" Deep Construction

General Purpose Type 1 Enclosure

65kA Bus Withstand Rating

600A Tin Plated Copper Horizontal Bus

Vertical Ground Bus, Tin Plated Copper

White Interior

Wire Tie Retainers in Vertical Wireway

Standard Exterior Paint ANSI 49

Equipment Mounting Height 72"

Manual Vertical Bus Shutters



Page: 5 of 12

Project:

*Town Branch Thickener

Expiration

12/19/18

Quotation

Type Quantity Vendor Description LOT# Unit Price Ext Price

Unit Nameplate Engraved with Gray Surface /

White Letters

Rodent Barriers

Engineered To Order (ETO)

6 - Section(s) with 600A Tin Plated Copper

Vertical Bus

DIMENSIONS AND WEIGHT

Dimensions: 120.00"W X 20"D X 94.5"H

Approximate Weight: 4500.00 lbs / 2041.20 kgs

INCOMING

Incoming Connection: Cable

MAIN

65kA Interrupting Rating

Main Breaker Top Entry 200A

Fishtape Unit Plugs

Key Interlock (Single Cylinder)

(1) Door Padlock (TAG#: T-911)

FEEDERS

1 - Circuit Breaker Branch Feeder 200A

65kA Interrupting Rating

(1) Make feeder a TIE (TAG#: 4610104)

1 - Circuit Breaker Branch Feeder 200A

65kA Interrupting Rating

Key Interlock (Single Cylinder)

(1) Make feeder Main breaker #2 (TAG#:

468061)

COMMON FEEDER FEATURES

Fishtape Unit Plugs

ADJUSTABLE SPEED DRIVES

6 - Altivar 630 Process AC Drive 15 HP

w/Circuit Breaker

Rated for Normal Duty (Overcurrent 110%

(60 sec))

CAT# ATV630D11

COMMON ADJUSTABLE SPEED DRIVE

FEATURES

#16 AWG MTW Control Wire

Includes Class 2 Interwiring

Stop/Start Push Buttons with Manual Speed





*Town Branch Thickener

Expiration

12/19/18

Quotation

Туре Quantity Vendor Description LOT# Unit Price Ext Price

Potentiometer

Factory Assigned Plastic Sleeve Wire Markers

Fishtape Unit Plugs

ASD 30mm Type K Pilot Devices

Motor On Push-to-Test LED Pilot Light (Red)

3" Extra Mounting Height

System Impedance (3%)

Fault Push-to-Test LED Pilot Light (Yellow)

(1) Prep for controller by others (TAG#:

299969)

MISCELLANEOUS DEVICES

2 - 12" Configured Space

6 - 15" Configured Space

3 - 30" Configured Space

System Voltage: 480V 3PH 3W 60Hz

Max Available Fault Current (RMS) - 65kA

Control Power - 120Vac

Class 2 Type B Wiring

1/4" x 2" Horizontal Ground Bus, Tin Plated

Copper

20" Deep Construction

General Purpose Type 1 Enclosure

65kA Bus Withstand Rating

600A Tin Plated Copper Horizontal Bus

Vertical Ground Bus, Tin Plated Copper

White Interior

Unit Nameplate Gray Surface / White Letters

Wire Tie Retainers in Vertical Wireway

Standard Exterior Paint ANSI 49

Equipment Mounting Height 72"

Manual Vertical Bus Shutters

Rodent Barriers

Engineered To Order (ETO)

5 - Section(s) with 600A Tin Plated Copper

Vertical Bus

DIMENSIONS AND WEIGHT

Dimensions: 100.00"W X 20"D X 94.5"H

Approximate Weight: 3750.00 lbs / 1701.00 kgs

INCOMING

Incoming Connection: Cable

MAIN

65kA Interrupting Rating

Page: 7 of 12



Project:

*Town Branch Thickener

Expiration

12/19/18

Quotation

Туре Quantity Vendor Description LOT# **Unit Price** Ext Price

Main Breaker Top Entry 200A Fishtape Unit Plugs Key Interlock (Single Cylinder) (1) Door Padlock (TAG#: T-911) **FEEDERS**

1 - Circuit Breaker Branch Feeder 200A 65kA Interrupting Rating

(1) Make feeder a TIE (TAG#: 4610104)

1 - Circuit Breaker Branch Feeder 200A

65kA Interrupting Rating

Key Interlock (Single Cylinder)

(1) Make feeder Main breaker #2 (TAG#: 468061)

COMMON FEEDER FEATURES

Fishtape Unit Plugs ADJUSTABLE SPEED DRIVES

6 - Altivar 630 Process AC Drive 15 HP w/Circuit Breaker

Rated for Normal Duty (Overcurrent 110% (60 sec))

CAT# ATV630D11

COMMON ADJUSTABLE SPEED DRIVE

FEATURES

#16 AWG MTW Control Wire

Includes Class 2 Interwiring Stop/Start Push Buttons with Manual Speed

Potentiometer

Factory Assigned Plastic Sleeve Wire Markers

Fishtape Unit Plugs

ASD 30mm Type K Pilot Devices

Motor On Push-to-Test LED Pilot Light (Red)

3" Extra Mounting Height

System Impedance (3%)

Fault Push-to-Test LED Pilot Light (Yellow)

(1) Prep for controller by others (TAG#:

299969)

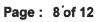
MISCELLANEOUS DEVICES

^{2 - 27&}quot; Configured Space

^{1 - 18&}quot; Configured Space

^{1 - 15&}quot; Configured Space

^{1 - 36&}quot; Configured Space





*Town Branch Thickener

Project: **Expiration**

12/19/18

	Quotation									
Туре	Quantity	Vendor	Description	LOT#	Unit Price	Ext Price				
			1 - 9" Configured Space							
DISCONNECT	22	SCHNEIDE	HU361NDS-SW UNFUSED HD 30A 3P STAINLESS/NEUTRAL - Enclosure Type: Type 4/4X/5 Stainless Steel Options: Standard (304) Interrupting Rating (AIR): 10kA Fuse Capability: Non Fusible Max System Voltage: 600 VAC Switch Current Rating: 30 Amp Number of Switching Poles: 3 Pole w/ Neutral Neutral Kit: Field or Factory Installed: Factory Electrical Interlock Kits: 1 NO/1 NC - EIK031 Electrical Interlock Field or Factory Installed: Field Processed by ACE 2.0 - 04172018	SCHNEID						
DISCONNECT	22	SCHNEIDE	EIK031-ELECTRIC INTERLOCK KIT FOR SWITCHES	SCHNEID						
DISCONNECT	6	SCHNEIDE	HU361NDS-SW UNFUSED HD 30A 3P STAINLESS/NEUTRAL	SCHNEID						
DISCONNECT	2	SCHNEIDE	H60XFA1212-SWITCH NOT FUSIBLE HD 60A 3P /AUXILIARY	SCHNEID						
CONTROL STATION	18	SCHNEIDE	9001KYSK201 CONTROL STATION + OPERATORS	SCHNEID						
CONTROL STATION	3	SCHNEIDE	9001KYSK110 CONTROL STATION + OPERATORS	SCHNEID						
CONTROL STATION	2	SCHNEIDE	9001BR216 CONTROL STATION 600VAC 5A T-B	SCHNEID						
HARMONIC STUDY	1	SCHNEIDE	ES201054	SCHNEID						
STARTUP SERVICES	1	SCHNEIDE	SRVSQDSER-Startup Services - Straight Time Schneider Electric will perform the Scope of Work per Schneider Electric document 1910DB1302-120213 "Scopes of Work for Electrical Acceptance Testing." Work will be performed during Straight Time (any scheduled 8 hour period between 06:00	SCHNEID						





*Town Branch Thickener

Expiration

12/19/18

Quotation

Type Quantity Vendor Description LOT# Unit Price Ext Price

and 18:00 hours Monday thru Friday). It is estimated that the service will be performed using one technician with all equipment and tests performed in immediate succession, unless otherwise specified. If equipment is not available or prepared to be tested in the number of days specified, additional travel and expense charges may apply.

For each hour that SE Services is delayed at the job site due to the unavailability of the equipment for any reason, a charge at the applicable T&M rates will be added to the invoice.

Startup scope of work includes Schneider Electric technician supervision during energization of equipment. Quote price is based on energization during final day of inspection and testing.

If additional trips are required in order to provide energization supervision, additional travel, expense and labor charges will apply. To schedule date for start of work, call: 1-888-SQUARED (1-888-778-2733).

Schneider Electric services must be contacted prior to 2 weeks from the required date of service to avoid additional charges.

Reference SE Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R12/12 dated 12/2012.

Formal test report(s) will be provided upon completion of the startup service.

Trip summary:

Round Trip Distance: Up to 150 Miles Technician will make 1 trip to the job site per day of service (total of trips)

1 Day Informal Training

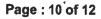
Equipment to be started up and included in this complimentary warranty is listed below.

Sei Rev: (20160224/20160224)

Tra Rev: 11/19/2018 2:48:23 PM/ 11/19/2018

Following user entered devices included in startup:

None





*Town Branch Thickener

Expiration

12/19/18

Quotation

Type Quantity Vendor Description LOT# Unit Price Ext Price

12 month complimentary extended warranty. Schneider Electric Services is pleased to offer a complimentary 12 month warranty extension above and beyond our standard warranty and any purchased extended warranties.

Std equipment warranty is 18 months from date of shipment or 12 months from issuance of a substantial completion letter by the customer subject to Schneider Electric Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R12/12 dated 12/2012.

The 12 month warranty extension only applies to equipment that is successfully started up, invoiced by SE, and paid in full by the customer.

If startup with SE Services is not completed and paid in full, the bonus 12 month warranty will be invalid, but the standard warranty and any purchased extended warranties will still be in effect.

Drives are not included in this complimentary warranty upgrade and are covered by a 30 month warranty extension with startup completion.

Serviced item - Line Item 15070758

Qty 1 - Model 6 Standard

Designation: MCC-E2

Warning!!! TAG exists on one or more equipment items selected for startup, and pricing may be impacted. If devices (breakers, relays, mcc's, drives, etc) have been added in TAG pricing, please contact SIBS or the local Service Sales Engineer for support.

Serviced item - Line Item 15070832

Qty 1 - Model 6 Standard

Designation: MCC-D2

Warning!!! TAG exists on one or more equipment items selected for startup, and pricing may be impacted. If devices (breakers, relays, mcc's, drives, etc) have been added in TAG pricing, please contact





*Town Branch Thickener

Expiration

12/19/18

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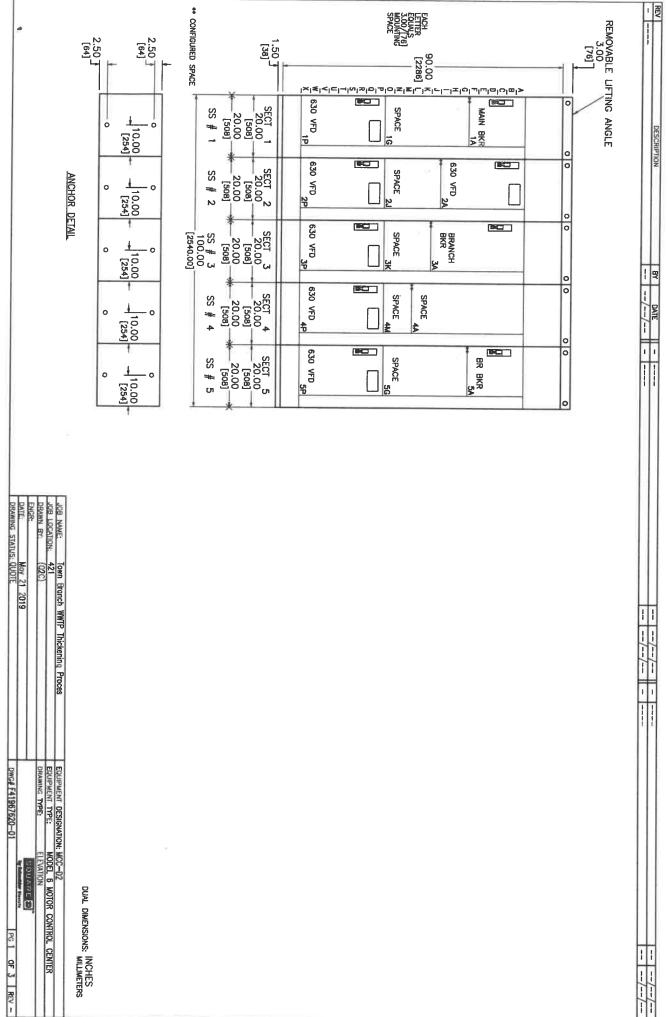
Туре Quantity Vendor Description LOT# **Unit Price** Ext Price SIBS or the local Service Sales Engineer for support. 1-SIBS12MONTHEXTWARRWSTARTUP-SIBS 12 MO EXTENDED WARRANTY W/ STARTUP Schneider Electric Services is pleased to offer a complimentary 12 month warranty extension above and beyond our standard warranty and any purchased extended warranties. Std equipment warranty is 18 months from date of shipment or 12 months from issuance of a substantial completion letter by the customer subject to Schneider Electric Terms and Conditions of Sale for Proposal Based Projects 0100PL0043R12/12 dated 12/2012. The 12 month warranty extension only applies to equipment that is successfully started up, invoiced by SE, and paid in full by the customer. If startup with SE Services is not completed and paid in full, the bonus 12 month warranty will be invalid, but the standard warranty and any purchased extended warranties will still be in effect. Drives are not included in this complimentary warranty upgrade and are covered by a 30 month warranty extension with startup completion. **TRAINING** SRVTTRFUNSIBS-2 days of Product Training -1 SCHNEIDE SCHNEID Without Video Taping Maximum Number of Participants 10 **SPARE PARTS** 1 SCHNEIDE Low Voltage Spare Parts SCHNEID 9001KYSS300-9001KYSS Stainless Steel Encl CONTROL SCHNEIDE SCHNEID **STATION** - 3 holes Revision - 2/28/2019 - (1707.000/1707.000) 2/28/2019 2:29:49 PM Location - Row 1 - Col 1 Operator - 9001KR1BH36 Black Full Guard Push Button Attachment/Protective Cap - None Legend - 9001KN209SP - Open

** CONFIGURED SPACE REMOVABLE LIFTING ANGLE 3.00 [76] 2.50] 2.50 J [64] 1.50 <u>J</u> 90.00 [2286] SECT 1 20.00 [508] 20.00 [508] MAIN BKR SS # 1 10.00 630 VFD 2P **8-3** 630 SECT 2 20.00 [508] 20.00 [508] SPACE SS # 2 ANCHOR DETAIL → 10.00 [254] ¥F0 630 VFD 3P SPACE SECT 3 20.00 [508] 20.00 [508] SS # 3 100.00 [2540.00] BRANCH BKR 10.00 [254] 0 630 VFD **3** SECT 4 20.00 [508] 20.00 [508] SS # 4 SPACE SPACE 10.00 [254] 630 VFD 5P SECT 5 20.00 [508] 20.00 [508] SPACE 5G 男 SS # 5 10.00 [254] BKR 5A 0 JOB NAME: JOB LOCATION: DRAWN BY: DRAWING STATUS: QUOTE Town Branch WWTP Thickening Proces 421 (Q2C) DWG# F41967620-01 EQUIPMENT DESIGNATION: MCC-E2

EQUIPMENT TYPE: MODEL 6 MOTOR CONTROL CENTER

DRAWING TYPE: ELEVATION DUAL DIMENSIONS: INCHES PG 1 OF 3 | REV --

4,



Time Extension



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

6/28/19

Re: Town Branch Thickening Process Upgrades

Project No. 4649

Request for Additional Contract Times in the Forthcoming OCO #1

Dear Mr. Martin,

In follow up to recent discussions regarding the forthcoming Owner Change Order #1, Dugan & Meyer is requesting that (47) calendar days be added to the Contract Times to manage the changes detailed in Field Order #2 and the subsequent PCO #03.

The updated progress schedule dated 6/25/19 was reviewed at the 6/26/19 progress meeting and outlines the schedule impacts due to the changes.

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

Sincerely:

DUGAN & MEYERS LLC

PCO #4



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

6/19/19

Re: Town Branch Thickening Process Upgrades

Project No. 4649

PCO #04 - Handrail and Grating Credit at Thickener Tanks

Dear Mr. Martin,

Attached is the Dugan & Meyers change order proposal #04 for your review compiled in accordance with the change order pricing procedures.

In follow up to onsite discussions with LFUCG on 5/2/19, Dugan & Meyers proposes to remove the handrail & grating at the (2) two Thickener Tanks from the scope-of-work for the lump sum credit amount of <\$25,100.00>.

This proposal includes changes only to the extent detailed in the attached mark-up of M-03-104. D&M will power-wash the existing handrail and grating in-place and check the mounting anchors & fasteners of these systems and make corrections as necessary.

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

Sincerely:

DUGAN & MEYERS LLC

