

SECTION 00842

CHANGE ORDER

Change Order No. **5**

Date of Issuance: 11/6/18	Effective Date:
Owner: Topsfield Water Department	Owner's Contract No.:
Contractor: Kinsmen Corporation	Contractor's Project No.:
Engineer: Wright-Pierce	Engineer's Project No.: 13257D
Project: Topsfield Water Treatment Plant – Contract 1	Contract Name:

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

Description: PCO-17R Static Mixer Size Change.


Attachments: Refer to back-up for PCO 17R.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: \$ <u>7,246,000.00</u>	Original Contract Times: Substantial Completion: <u>1/3/19 (500 Days)</u> Ready for Final Payment: <u>2/22/19 (550 Days)</u> days or dates
Increase from previously approved Change Orders No. 1 - 4: \$ <u>37,625.00</u>	[Increase] [Decrease] from previously approved Change Orders No. <u> </u> to No. <u> </u> : Substantial Completion: <u>N/A</u> Ready for Final Payment: <u>N/A</u> days
Contract Price prior to this Change Order: \$ <u>7,283,625.00</u>	Contract Times prior to this Change Order: Substantial Completion: <u>1/3/19 (500 Days)</u> Ready for Final Payment: <u>2/22/19 (550 Days)</u> days or dates
Increase of this Change Order: \$ <u>6,254.00</u>	[Increase] [Decrease] of this Change Order: Substantial Completion: <u>N/A</u> Ready for Final Payment: <u>N/A</u> days or dates
Contract Price incorporating this Change Order: \$ <u>7,289,879.00</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>1/3/19 (500 Days)</u> Ready for Final Payment: <u>2/22/19 (550 Days)</u> days or dates

RECOMMENDED:

ACCEPTED:

ACCEPTED:

By: 	By: See attached	By: _____
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Lead Project Engineer	Title: _____	Title: _____
Date: 11/6/18	Date: _____	Date: _____

Town of Topsfield
Water Treatment Plant Project
Change Order #5

Board of Selectmen

Mark B. Lyons, Chairman

Lynne Bermudez, Clerk

Boyd R. Jackson, Member

John K. Spencer, Member

Dick Gandt, Member

Date:

Board of Water Commissioners

Philip Knowles, Chairman

Richard Stone, Clerk

Mark Gallagher, Member

Approved as to the Availability of Funds:

Town Accountant

KINSMEN CORPORATION

TEL. 603-625-9199

CONTRACTORS • ENGINEERS

FAX 603-625-9399

November 1, 2018

Wright-Pierce
40 Shattuck Road, Suite 305
Andover, MA 01810

Attn: Mr. James E. Cray, P.E.

Re: Topsfield Water Treatment Plant
Contract 1
Topsfield, MA

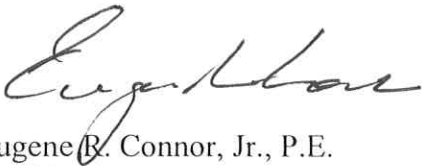
Gentlemen:

Pursuant to the provisions of Article 11 of the General Conditions (EJCDC) and as amended in Supplementary General Conditions, we are submitting, herewith, our revised breakdown of costs for Proposed Change Order No. 017 to Revise DI Piping and Provide 12" Static Mixer, generally in accordance with Designer's direction in EC-8, dated October 23, 2018. This revision includes a credit offered for the return of one of the original 8" Static Mixers previously believed to be non-returnable.

Please issue a Contract Change Order at the earliest authorizing the scheduling and performance of this additional work.

Very truly yours,

KINSMEN CORPORATION



Eugene B. Connor, Jr., P.E.
President
ERC/kb

TOPSFIELD WTP PCO 017R

PROPOSED CHANGE ORDER NO. 017R
PIPING REVISIONS, PROVIDE STATIC MIXER PER EC-8

ADDITIONAL CONTRACT TIME REQUIRED: ADDITIONAL CONTRACT TIME NOT REQUIRED IF ACCEPTED BY NOVEMBER 2, 2018. (EXCLUSIVE OF ALL OTHER PCO'S CONTRIBUTING TO CONTRACT TIME EXTENSIONS.)

Gene Connor

To: estimating
Subject: RE: Topsfield, MA

From: Michael Brillon <mbrillon@bartlettbrillon.com>
Sent: Thursday, November 1, 2018 10:24 AM
To: Gene Connor <genec@kinsmencorp.net>
Cc: Albe Larson <albe@bartlettbrillon.com>
Subject: FW: Topsfield, MA

Gene, the credit for the 8" static mixer if received in good condition will be \$1300.00

Regards,

Mike

From: Albe Larson
Sent: Thursday, November 1, 2018 10:18 AM
To: Michael Brillon <mbrillon@bartlettbrillon.com>
Subject: Fwd: Topsfield, MA

From: Albe Larson
Sent: Thursday, October 25, 2018 4:27:03 PM
To: genec@kinsmencorp.net
Cc: Chuck Rossiter
Subject: Fwd: Topsfield, MA

Gene--

Forwarded to you is the attached quote per your request.

For future reference, please discontinue contacting Chuck, but go ahead and reach out to me for anything you need. Chuck the lucky duck he is is retiring, and is in the process of handing the reigns over to me. Stay in touch.

Sincerely,

Albe
401-595-0124

Q U O T A T I O N

BARTLETT & BRILLON, LLC

595 Providence Highway, Walpole, MA 02081

508-668-1337 voice

508-850-9599 fax

Mike Brillon Mike@bartlettbrillon.com

Chuck Rossiter Chuck@bartlettbrillon.com

To: Kinsmen Corp.

Date: 10-24-18

Attn: Gene Connor

Email:

From: Chuck Rossiter

Subject: Topsfield 2800 mixer

We submit prices on the following equipment noted:

QTY	P/N	DESCRIPTION	Price Each	Total Extended
1	12-2800-3	Westfall static mixer, 12" FRP mounting plate, .8 beta FRP mixer plate, (3) 3/4" FNPT CPVC injection ports, (2) EPDM gaskets. Made with NSF61 approved resin. 2,550" lay length with gaskets.	\$3,575	\$3,575
		Subtotal		\$3,575
		Estimated Freight		\$50
		Estimated Total		\$3,625

Terms: Net 30 days,

FOB: Factory

Shipment: 2-3 weeks

Freight: Prepaid and added to invoice

Quote valid 30 days

Change Order equipment payment is due upon receipt.

WESTFALL MANUFACTURING CO.

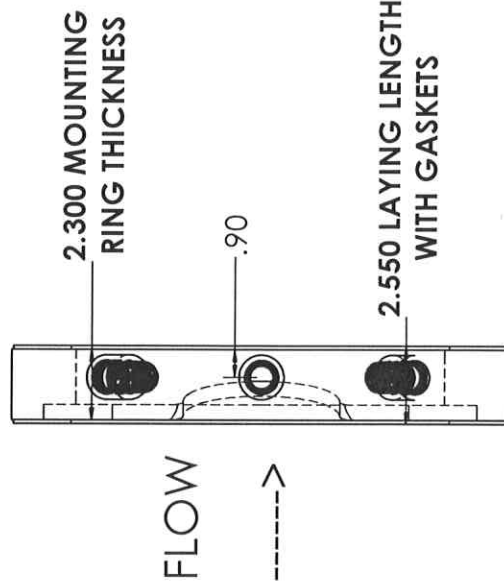
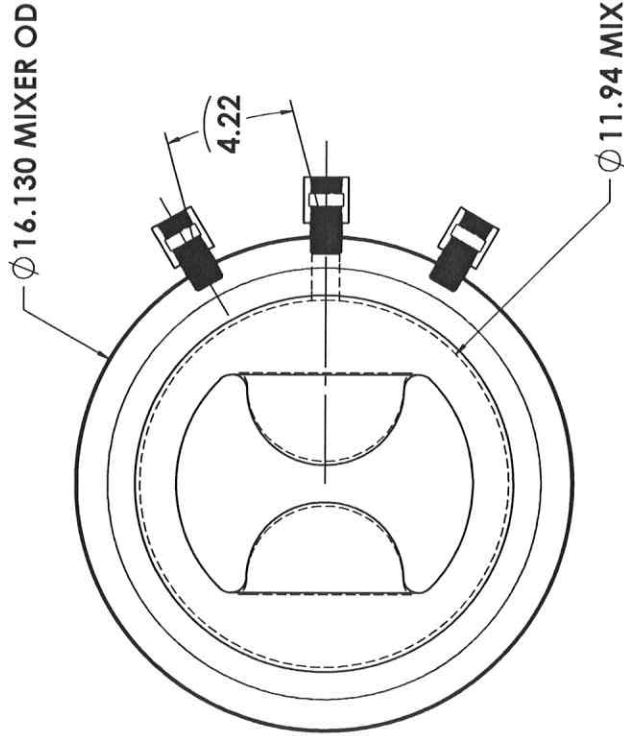
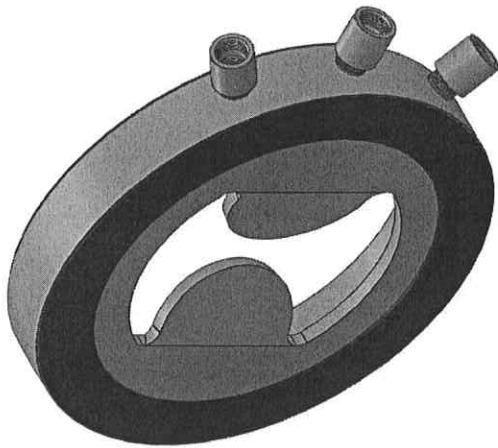
HEADLOSS CHART

pipe ID **11.94 inches**

Pipe area	0.7776 ft ²	MODEL 2800	MODEL 2800	MODEL 3050	MODEL 3050
Pipe area	0.7776 ft ²	MODEL 2800	MODEL 2800	MODEL 3050	MODEL 3050

Pipe area		0.7776 ft2		MODEL 2800		MODEL 2800		MODEL 2800		MODEL 3050		MODEL 3050		MODEL 3050	
				0.7 BETA		0.8 BETA		0.9 BETA		SINGLE		DOUBLE		TRIPLE	
GPM	CFS	ft/s	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss	psi Head loss
349.0	0.778	1.00	0.22	0.09	0.05					0.004	0.008			0.011	
698.0	1.555	2.00	0.88	0.37	0.18					0.015	0.030			0.044	
1047.0	2.333	3.00	1.97	0.82	0.41					0.034	0.068			0.099	
1396.0	3.110	4.00	3.51	1.47	0.73					0.060	0.122			0.176	
1745.0	3.888	5.00	5.48	2.29	1.14					0.094	0.190			0.276	
2094.0	4.665	6.00	7.89	3.30	1.64					0.135	0.274			0.397	
2443.0	5.443	7.00	10.74	4.49	2.24					0.184	0.372			0.540	
2792.0	6.221	8.00	14.03	5.87	2.92					0.240	0.486			0.706	
3141.0	6.998	9.00	17.75	7.42	3.69					0.303	0.616			0.893	
3490.0	7.776	10.00	21.92	9.17	4.56					0.375	0.760			1.103	
3839.0	8.553	11.00	26.52	11.09	5.52					0.453	0.920			1.335	
4188.0	9.331	12.00	31.56	13.20	6.57					0.539	1.094			1.588	

- 12" WESTFALL STATIC MIXER MODEL 2800
- FRP MOUNTING RING
 - (1) .8 BETA FRP MIXING PLATE
 - (3) 3/4" NPT INJECTION PORTS - CPVC HARDWARE (DRILL ID TO .75")
 - (1) PVC PLUGGED
 - (2) 1/8" EPDM GASKETS



CLIENT APPROVAL: APPROVED BY: _____ DATE: _____ PRINT NAME: _____ TITLE: _____ COMPANY: _____		WESTFALL WESTFALL MANUFACTURING COMPANY 15 BROAD COMMON ROAD, BRISTOL, RI 02809 U.S.A. P: 401-253-3799 F: 401-253-6530 www.westfallmg.com		PROJECT: WESTFALL STATIC MIXER EQUIPMENT: MODEL 2800 - 12" PLANT: _____ SHEET: _____ DWG. NO. 12-2800-B	
SCALE: _____ DRAWN BY: SAO CHECKED BY: _____ DATE: 1-15-2013 APPROVED BY: _____		DIMENSIONS ARE IN INCHES (UNLESS OTHERWISE NOTED)			

KINSMEN CORP
P O BOX 16117
HOOKSETT, NH

03106-6117

Quality Water Products PF
QUALITY WATER PRODUCTS
PIPE FABRICATION DIVISION
25 Town Farm Road Box 419
So Barre, MA
01074

Telephone: 978-355-6833

10/25/18 Bid ID: 5383939 TOPSFIELD MA. DESIGN CHANGE

Page 1

Quantity	Sell Per	Description	Unit Price	Extended Price
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TOPSFIELD MA.
DESIGN CHANGE
NO AIS REQUIREMENT

1	EA	12 FLXFL CLX2-0	473.63	473.63
1	EA	8X3 FLG FILLER PIECE	387.46	387.46
1	EA	MACHINE ABOVE TO 2 1/4" THICK	100.00	100.00
3	EA	12 FLANGE TYTE GASKET	16.30	48.90
36	EA	7/8X4 FLG BOLT ONLY GRADE B	2.28	82.08
36	EA	7/8 HEAVY HEX NUT	1.12	40.32
2	EA	8 FLANGE TYTE GASKET	12.68	25.36
16	EA	3/4X3 1/2 FLG BOLT ONLY GRADE B	1.52	24.32
16	EA	3/4 HEAVY HEX NUT	1.44	23.04
1	EA	FRT. TO SITE	125.00	125.00

Subtotal: 1,330.11

Tax: .00

Bid Total: 1,330.11