

CITY OF MERCED PROJECT NO. CP230035
CHANGE ORDER NO. 5

Attachment 5

DATE: October 8, 2024

PROJECT NAME: WWTF Phase VI Project - Headworks Improvements

PROJECT LOCATION: Merced, California

CONTRACTOR: GSE Construction Company Inc

ADDRESS: 7633 Southfront Road, Ste 160, Livermore, CA 94551

REASON FOR CHANGE ORDER:

Remove and dispose of existing influent pump riser pipes. Supply and install four 20" SS316 influent pump riser pipes. Includes all components, labor, and schedule changes to accommodate the installation of a complete, functioning system.

THE NUMBER OF WORKING DAYS WILL BE ADJUSTED AS FOLLOWS: 90

SKETCH ATTACHED: No

DESCRIPTION OF CHANGE:	Unit	Quantity	Unit Price	Amount
1. (4) 20 INCH SS316 PIPES AND (6) WALL SPOOLS	LS	1	\$ 603,748.13	\$ 603,748.13




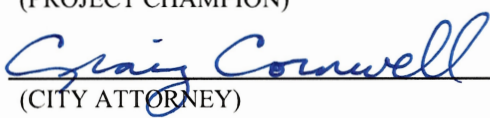
Total for Change Order: \$ 603,748.13

ORIGINAL CONTRACT AMOUNT:	\$	3,152,700.00
CHANGE ORDER #1 AMOUNT:	\$	9,443.00
CHANGE ORDER #2 AMOUNT:	\$	4,442.00
CHANGE ORDER #3 AMOUNT:	\$	1,256.36
CHANGE ORDER #4 AMOUNT:	\$	9,789.15
CHANGE ORDER #5 AMOUNT:	\$	603,748.13

TOTAL PROJECT COST TO DATE: \$ 3,781,378.64

FUNDS/ACCOUNTS VERIFIED:

CP230035-WWSTP-CON-CIPINFR	\$	181,124.44
CP230035-WWTP-CON-CIPINFR	\$	422,623.69

	FINANCE OFFICE	DATE
ACCEPTED		DATE: 10/10/24
	(CONTRACTOR)	
RECOMMENDED		DATE: 10/10/24
	(CITY ENGINEER)	
RECOMMENDED		DATE: 10-10-24
	(PROJECT CHAMPION)	
APPROVED <i>As To Form</i>		DATE: 10-10-24
	(CITY ATTORNEY)	
AUTHORIZED		DATE:
	(INTERIM CITY MANAGER)	
ATTESTED		DATE:
	(ASSISTANT/DEPUTY CITY CLERK)	

(SEAL)



PCO #004

GSE Construction Co. Inc.
7633 Southfront Road, Suite 160
Livermore, California 94551
Phone: (925) 447-0292
Fax: (925) 447-0962

Project: 876 - Merced WWTF Phase VI Project Improvement
1961 Gove Road
Merced, California 95341

Prime Contract Potential Change Order #004: 20in Influent Pipe Replacement

TO:	City of Merced 678 West 18th Street Merced, California 95340	FROM:	GSE Construction Co. 7633 Southfront Rd. Suite 160 Livermore, California 94551
PCO NUMBER/REVISION:	004 / 0	CONTRACT:	876 - Merced WWTF Phase VI Project Headworks Improvement
REQUEST RECEIVED FROM:		CREATED BY:	Marc Saar (GSE Construction Co.)
STATUS:	Pending - In Review	CREATED DATE:	8/13/2024
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:	90 days	PAID IN FULL:	No
EXECUTED:	No	SIGNED CHANGE ORDER RECEIVED DATE:	
		TOTAL AMOUNT:	\$603,748.13

POTENTIAL CHANGE ORDER TITLE: 20in Influent Pipe Replacement

CHANGE REASON: Existing Condition

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)

CE #007 - 20in Influent Pipe Replacement

The existing 20" pump discharge lines that are called out to be blasted and recoated have significantly deteriorated due to the H2S environment in the wet well. The client is requesting a proposal to replace the four pump discharge lines with SST 316 sch 40 piping. The existing pump base 90s will be removed to sandblast and recoat the interior and exterior. All six existing wall spools will be removed and new SST 316 wall spools will be cast back in place. The new concrete at the wall spools will be sandblasted and coated with Perma Shield Epoxy. Installation of new spools would be in two phases: one wet well at a time. Fabrication lead time is 9 to 10 weeks after approved submittals. A contract time extension will have to be granted to allow for the fabrication and installation of the spools.

ATTACHMENTS:

[CE#07.2 - 20in Influent Pipe Replacement.pdf](#)

City of Merced
678 West 18th Street
Merced, California 95340

GSE Construction Co.
7633 Southfront Rd. Suite 160
Livermore, California 94551

SIGNATURE DATE

SIGNATURE DATE

SIGNATURE DATE

GSE CONSTRUCTION INC.

PROJECT: City of Merced Phase VI Project Headworks Improvements

PROJECT No. : 876

DATE: 10/1/2024
CE# 7

PROPOSAL CALCULATION

DESCRIPTION OF PROPOSAL: BRIEF DESCRIPTION OF WORK			Installation of four new 20" SST 316 pump discharge pipes in TWO phases. Includes demo/disposal of existing pipes. Existing pump base 90 elbow to be coated interior/ exterior and six screening channel wall spool to be replaced.												
Material	DESCRIPTION	QTY	UNIT	UNIT PRICES			LABOR		DIRECT COSTS				TOTAL		
				EQUIP.	MATERIAL	LABOR	SUB	HOURS	RATE	EQUIP.	MATERIAL	LABOR	S/CONTRACT	DIRECT COST	
SST Discharge Pipe		1	LS	\$0	\$344,209.95	0 \$	-		0.0	0.00	\$0.00	\$344,209.95	\$0.00	\$344,209.95	
Gaskets/Bolts/Vent Material		1	LS	\$0	\$3,600.00	0 \$	-		0.0	0.00	\$0.00	\$3,600.00	\$0.00	\$3,600.00	
Grout Flange Spool		1	LS	\$0	\$1,000.00	0 \$	-		0.0	0.00	\$0.00	\$1,000.00	\$0.00	\$1,000.00	
Wall Spool Forming Material		1	LS	\$0	\$1,000.00	0 \$	-		0.0	0.00	\$0.00	\$1,000.00	\$0.00	\$1,000.00	
Labor for West Wet Well															
Isolate/Pump out/Hose down wet well															
Laborer		16	Hr	\$0	\$0.00	2 \$	-		32.0	85.73	\$0.00	\$2,743.36	\$0.00	\$2,743.36	
Mechanical Foreman		16	Hr	\$0	\$0.00	1 \$	-		16.0	122.91	\$0.00	\$1,966.56	\$0.00	\$1,966.56	
Demo Existing Pipes															
Laborer		20	Hr	\$0	\$0.00	3 \$	-		60.0	85.73	\$0.00	\$5,143.80	\$0.00	\$5,143.80	
Mechanical Foreman		20	Hr	\$0	\$0.00	1 \$	-		20.0	122.91	\$0.00	\$2,458.20	\$0.00	\$2,458.20	
Install New Pipes															
Millwright		24	Hr	\$0	\$0.00	3 \$	-		72.0	118.03	\$0.00	\$8,498.16	\$0.00	\$8,498.16	
Mechanical Foreman		24	Hr	\$0	\$0.00	1 \$	-		24.0	122.91	\$0.00	\$2,949.84	\$0.00	\$2,949.84	
Demo Existing Wall Spools															
Laborer		20	Hr	\$0	\$0.00	2 \$	-		40.0	85.73	\$0.00	\$3,429.20	\$0.00	\$3,429.20	
Mechanical Foreman		20	Hr	\$0	\$0.00	1 \$	-		20.0	122.91	\$0.00	\$2,458.20	\$0.00	\$2,458.20	
Install New Wall Spools															
Carpenter		24	Hr	\$0	\$0.00	3 \$	-		72.0	121.36	\$0.00	\$8,737.92	\$0.00	\$8,737.92	
Mechanical Foreman		24	Hr	\$0	\$0.00	1 \$	-		24.0	122.91	\$0.00	\$2,949.84	\$0.00	\$2,949.84	
Labor for East Wet Well															
Isolate/Pump out/Hose down															
Laborer		16	Hr	\$0	\$0.00	2 \$	-		32.0	85.73	\$0.00	\$2,743.36	\$0.00	\$2,743.36	
Mechanical Foreman		16	Hr	\$0	\$0.00	1 \$	-		16.0	122.91	\$0.00	\$1,966.56	\$0.00	\$1,966.56	
Demo Existing Pipes															
Laborer		20	Hr	\$0	\$0.00	3 \$	-		60.0	85.73	\$0.00	\$5,143.80	\$0.00	\$5,143.80	
Mechanical Foreman		20	Hr	\$0	\$0.00	1 \$	-		20.0	122.91	\$0.00	\$2,458.20	\$0.00	\$2,458.20	
Install New Pipes															
Millwright		24	Hr	\$0	\$0.00	3 \$	-		72.0	118.03	\$0.00	\$8,498.16	\$0.00	\$8,498.16	
Mechanical Foreman		24	Hr	\$0	\$0.00	1 \$	-		24.0	122.91	\$0.00	\$2,949.84	\$0.00	\$2,949.84	
Demo Existing Wall Spools															
Laborer		20	Hr	\$0	\$0.00	2 \$	-		40.0	85.73	\$0.00	\$3,429.20	\$0.00	\$3,429.20	
Mechanical Foreman		20	Hr	\$0	\$0.00	1 \$	-		20.0	122.91	\$0.00	\$2,458.20	\$0.00	\$2,458.20	
Install New Wall Spools															
Laborer		24	Hr	\$0	\$0.00	3 \$	-		72.0	121.36	\$0.00	\$8,737.92	\$0.00	\$8,737.92	
Mechanical Foreman		24	Hr	\$0	\$0.00	1 \$	-		24.0	122.91	\$0.00	\$2,949.84	\$0.00	\$2,949.84	
Equipment															
40 Ton Crane		40	Hrs	\$208	\$0.00	0 \$	-		0.0	0.00	\$8,310.00	\$0.00	\$0.00	\$8,310.00	
Mechanical Truck		120	Hrs	\$66	\$0.00	0 \$	-		0.0	0.00	\$7,887.60	\$0.00	\$0.00	\$7,887.60	
Man Lift		80	Hrs	\$19	\$0.00	0 \$	-		0.0	0.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00	
Forklift		80	hrs	\$33	\$0.00	0 \$	-		0.0	0.00	\$2,650.40	\$0.00	\$0.00	\$2,650.40	

[illegible]

**KS FABRICATION & MACHINE, INC**

6000 DISTRICT BLVD
Bakersfield, CA 93313
Phone: 661-617-1612
Fax: 661-832-5126

Quote: GSE City of Merced Influent Pipe Replacement
To: GSE CONSTRUCTION

Quote Number: 2024-4838b

Quote Date: 8/8/2024

Quote Expires: 8/13/2024

Ship Via: KSFM Truck

FOB: Merced, CA

Inquiry:

Contact: Marc Saar

Phone: 925.525.9114

Email: msaar@gseconstruction.com

Terms: Net 30

Thank you for the opportunity to submit this quotation.

Proposed Schedule:

9 to 10 Weeks at Receipt of Order

Ship dates are estimated and subject to confirmation ARO. For orders subject to drawing approval, the delivery schedule must be re-confirmed upon return of approved documents and/or release for fabrication. Estimated schedule is based on purchase of critical/long lead materials at time of order; changes to submitted drawings may be subject to change orders.

Quality Comments:

Mechanical code of construction: AWWA

Structural code of construction: N/A

NDE inspection: 100% VT, 10% of BW

Hydro test pressure: 1.5 times MAWP per B16.5

Turnover package: MTR's, NDE inspection reports, hydrotest record

Sandblast and Coating Comments: Bare Steel, No Coating**General Comments:**

- 1) All material pricing is subject to market conditions, availability and surcharges ARO.
- 2) Piping freight costs based on shipping piping to Merced, CA.
- 3) NDE percentage for project is assumed and priced at 10% of BW.
- 4) 20" Pipe being quoted as 40s/STD .375 wall.
- 5) Site visit is not included in this pricing. If required this would be additional costs.
- 6) Tax rate based on City of Merced. Final address delivery may change tax rate.
- 7) Additional information on Joint Restraint would be required prior to fabrication. Quote is based off of information available at time.
- 8) Quote is accounting for 1 plate flange that will be part of a vertical support. Quote is excluding vertical support angle and wall bolts.
- 9) **Quote 2024-4838a added 4EA wall spools to the 316/316L version of the piping. Spool to have a weep ring, which is a collar on the outside of the pipe. It is 1/4" Thick with 3" projection all around.**
- 10) **Quote includes pricing for bolts and gaskets.**
- 11) **Quote 2024-4838b removed 304/304L options. Also added 2EA Future Wall Spools. These spools will utilize temporary blinds that have been fabbed from 1.5" thick SS 316/316L plate. These blinds are not meant to hold pressure.**

316/316L Version					
<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Each</u>	<u>Total</u>	
1	Sch 40s 316/316L SS, 20" Influent Replacement Spools. (Based off preliminary drawings provided on 07/29/2024, and Pipe Size and Sch call outs in RFQ Email.) Final measurements and dimensions would be needed in order to fabricate.	4	\$78,580.26	\$314,321.04	
2	Future Wall SS 316/316L Spools (through 18" Wall, with 6" Extended out). Weep Ring, Blinds, Gaskets and Bolts. Blinds are 1.5" Plate Fabbed into blinds to match #150 Flanges.	2	\$14,394.62	\$28,789.24	
3	Freight	1	\$1,099.67	\$1,099.67	
Estimated Merced City sales tax @ 8.25%				\$28,397.32	
Grand Total				\$372,607.27	

KS Fabrication & Machine

Authorized Signature

Isaiah R Carmona

Printed Name

Estimator

Title

8/8/2024

Date



Change Order #3

Project:	Customer:	Prepared By:
PW 2392 City of Merced WWTF	GSE Construction Co. Inc.	Andrew McLaughlin
VI Project Headworks	26027 Huntington Lane Unit	andrewm@polytechcoatings.com
Improvement	D	10/1/2024
Contract #SC-867-002	Valencia CA 91355	
Contract Date: 9/13/2023		

1. Wall spool Perma-Shield Repair **\$21,933.00**

Description of Change:

Abrasive Blast and Cut termination at nine wall spool repairs 28 inches around each.

Install Tnemec Series 434 Perma-Shield at the required film thickness.

Spark test and repair Perma-Shield Application areas.

Spark test repairs Perma-Shield Areas.

It includes two separate phases of three wall spools.

NO HOLE WATCH INCLUDED. GSE MUST PROVIDE HOLE WATCH.

Total Price:	\$21,933.00
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Original Contract Sum:	\$635,479.00
Net Change by Previously Authorized Change Orders:	\$0.00
Adjusted Contract Sum Prior to This Change Order:	\$635,479.00
Value of This Change Order:	\$21,933.00
Revised Contract Total:	\$657,412.00

We hereby agree to make the changes specified for Total Price listed above.

CONTRACTOR: Andrew McLaughlin 10/1/2024
POLYTECH INDUSTRIAL, INC.



Change Order #4

Project: PW 2392 City of Merced WWTF VI Project Headworks Improvement Contract #SC-867-002 Contract Date: 9/13/2023	Customer: GSE Construction Co. Inc. 26027 Huntington Lane Unit D Valencia CA 91355	Prepared By: Andrew McLaughlin andrewm@polytechcoatings.com 10/1/2024
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1. Sandblast cored hole **\$7,811.00**

Description of Change:

Abrasive Blast concrete at cored spool area.

This includes six spools and two mobilizations, completing two mobilization.

NO HOLE WATCH INCLUDED. GSE MUST PROVIDE HOLE WATCH.

Total Price:	\$7,811.00
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Original Contract Sum:	\$635,479.00
Net Change by Previously Authorized Change Orders:	\$0.00
Adjusted Contract Sum Prior to This Change Order:	\$635,479.00
Value of This Change Order:	\$7,811.00
Revised Contract Total:	\$643,290.00

We hereby agree to make the changes specified for Total Price listed above.

CONTRACTOR: Andrew McLaughlin 10/1/2024
POLYTECH INDUSTRIAL, INC.

The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work shall be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

ACCEPTED BY: _____
GSE Construction Co. Inc.



Change Order #1

Project:

PW 2392 City of Merced WWTF
VI Project Headworks
Improvement
Contract #SC-867-002
Contract Date: 9/13/2023

Customer:

GSE Construction Co. Inc.
26027 Huntington Lane Unit
D
Valencia CA 91355

Prepared By:

Andrew McLaughlin
andrewm@polytechcoatings.com
8/7/2024

1. Deduct for body of pipe coating. (\$6,300.00)

Description of Change:

Deduct for not coating body of 4 pipes at wet wells.
Elbows and braces still get blasted and coated.

Total Price: (\$6,300.00)

Original Contract Sum:	\$635,533.20
Net Change by Previously Authorized Change Orders:	\$0.00
Adjusted Contract Sum Prior to This Change Order:	\$635,533.20
Value of This Change Order:	(\$6,300.00)
Revised Contract Total:	\$629,233.20

We hereby agree to make the changes specified for Total Price listed above.

CONTRACTOR: Andrew McLaughlin 8/7/2024
POLYTECH INDUSTRIAL, INC.

The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work shall be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

ACCEPTED BY: _____
GSE Construction Co. Inc.



Change Order #5

Project: PW 2392 City of Merced WWTF VI Project Headworks Improvement Contract #SC-867-002 Contract Date: 9/13/2023	Customer: GSE Construction Co. Inc. 26027 Huntington Lane Unit D Valencia CA 91355	Prepared By: Andrew McLaughlin andrewm@polytechcoatings.com 10/1/2024
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1. Credit for Not Coating Pump Base (\$12,202.00)

Description of Change:
Deductive credit for not coating pump bases.

Total Price:	(\$12,202.00)
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Original Contract Sum:	\$635,479.00
Net Change by Previously Authorized Change Orders:	\$0.00
Adjusted Contract Sum Prior to This Change Order:	\$635,479.00
Value of This Change Order:	(\$12,202.00)
Revised Contract Total:	\$623,277.00

We hereby agree to make the changes specified for Total Price listed above.

CONTRACTOR: Andrew McLaughlin 10/1/2024
POLYTECH INDUSTRIAL, INC.

The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work shall be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

ACCEPTED BY: _____
GSE Construction Co. Inc.

