



CITY OF CHANDLER JOB ORDER PROJECT AGREEMENT

Project Name: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1**

Project No. **WA2104.401**

This JOB ORDER PROJECT AGREEMENT ("Job Order") is made this _____ day of _____ 2022 ("Effective Date"), by and between the City of Chandler, an Arizona municipal corporation, ("City") and **PCL Construction, Inc.**, a Colorado corporation, ("JOC Contractor") and is entered into pursuant to Job Order Master Agreement No. JOC1915.401 ("JOC Master Agreement"). City and JOC Contractor may be referred to individually as "Party" or collectively as "Parties").

City and JOC Contractor, in consideration of the mutual covenants herein set forth, agree as follows:

RECITALS

- A. On or about January 14, 2020, the Parties entered into the JOC Master Agreement, which terms and conditions are made a part of and incorporated into this Job Order Project Agreement by this reference.
- B. City proposes to engage JOC Contractor to provide Pecos Surface Water Treatment Plant Filter Improvements – Phase 1 as more fully described in **Exhibit "A"**, which is attached to and made a part of this Job Order by this reference.
- C. JOC Contractor is ready, willing, and able to provide the services described in **Exhibit "A"** for the compensation and fees set forth and as described in **Exhibit "B"**, which is attached to and made a part of this Agreement by this reference.

ARTICLE 1. DESCRIPTION OF WORK

The Parties enter into this Job Order Project Agreement for the **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1**, Project Number **WA2104.401**. The scope of work consists of Pecos Surface Water Treatment Plant Filter Improvements – Phase 1, all as more particularly set forth in **Exhibit "A"** attached hereto and incorporated herein by reference.

The JOC Contractor will not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment or change order and signed by the authorized signatories for each party.

Performance and Payment Bonds, as set forth in **Exhibit "C"** and **Exhibit "D"** respectively attached hereto and incorporated herein by reference, will be due prior to execution of each Job Order Project Agreement in the full amount of each Job Order.

At project completion, JOC Contractor must complete Contractor's Affidavit Regarding Settlement of Claims and Certificate of Completion, as set forth in **Exhibit "E"** and **Exhibit "F"** respectively attached hereto and incorporated herein by reference.

ARTICLE 2. PROJECT PRICE

City will pay JOC Contractor for completion of the Work in accordance with the JOC Master Agreement a fee not to exceed the Guaranteed Maximum Price of **\$1,894,778.44** Dollars determined and payable as set forth in JOC Master Agreement and **Exhibit "B"** attached hereto and made a part hereof by reference.

ARTICLE 3. CONTRACT TIME & SCHEDULE

JOC Contractor agrees to complete all Construction within **255** calendar days from the Notice to Proceed (NTP) Date.

ARTICLE 4. PARTICIPANTS

CITY:	Construction Project Manager: Russ Slotnick	
	Phone:	480-782-3411
	Email:	Russ.slotnick@chandleraz.gov
JOC CONTRACTOR:	PCL Construction, Inc.	
	1711 W. Greentree Dr., #201 Tempe, AZ 85284	
	JOC Contractor Representative: Adam Gordon	
	Phone:	602-717-7231
	Email:	ajgordon@pcl.com

SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the Parties have executed this Job Order as of the Effective Date.

"CITY"

CITY OF CHANDLER:

"JOC CONTRACTOR"

PCL Construction, Inc.:

MAYOR Date

Recommended By:



Kimberly Moon, P.E.
CIP City Engineer

APPROVED AS TO FORM:

City Attorney By: 

ATTEST:

City Clerk SEAL

 6/14/22

Signature Date

Mike McKinney
Print Name

Vice President and District Manager
Title

ATTEST: If Corporation



Secretary

ADDRESS FOR NOTICE

PCL Construction, Inc.

1711 W. Greentree Dr., #201

Tempe, AZ 85284

EXHIBIT A
SCOPE OF WORK



Exhibit A – Scope of Work

- 1) The following scope is included in Proposal:
 - The project includes the Long Lead Materials Procurement for the removal of anthracite media and installation of sand media and a filter aid polymer system at the Pecos Surface Water Treatment.

PCL Construction, Inc. scope of work includes, but not limited to the following.

1. Procurement:
 - a. Procurement and Assembly of Submittal for all Long Lead Item Equipment.
 - b. Review and Submission of Long Lead Item Submittals for Review including:
 - i. Dry Polymer System
 - ii. GAC Media
 - iii. Sand Media
 - iv. Valves
 - v. Electrical Gear

**EXHIBIT B
FEE SCHEDULE**



CONSTRUCTION

**JOC 1915.401 - WA2104.401 PECOS SURFACE WATER TREATMENT PLANT
FILTER MEDIA REPLACEMENT
PROCUREMENT**

EXHIBIT "B-1"
Job Order Price Proposal
Summary Sheet

Negotiated Prices		
Subcontractor(s)		\$ -
Subconsultant(s)		\$ -
General Conditions		\$ 17,474.00
Preconstruction Labor (if applicable)		\$ -
Construction Labor (if applicable)		\$ -
Materials and Equipment		\$ 1,466,264.00
SUBTOTAL (NEGOTIATED PRICES):		\$ 1,483,738.00
Overhead and Profit (Coefficient per Job Order Master Agreement)	8.00%	\$ 118,699.04
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT):		\$ 1,602,437.04
Insurance, Bonds, & Taxes		
Sales Tax Percentage (Current Tax Rate)*	5.07%	\$ 27,753.00
General Liability Insurance Percentage **		\$ 12,408.00
Builder's Risk Insurance Percentage **		\$ 1,820.00
Payment & Performance Bond**		\$ 9,926.00
SUBTOTAL (INSURANCE, BONDS, & TAXES):		\$ 51,907.00
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT + INSURANCE, BONDS, & TAXES):		\$ 1,654,344.04
City's Allowance		\$ 165,434.40
Contractor's Allowance		\$ 75,000.00
TOTAL JOB ORDER:		\$ 1,894,778.44
		\$ -

Per the Job Order Master Agreement - This Fee Table includes all fees, price, insurance and bond premiums, allowances, construction contingency, and taxes of any type necessary to fully, properly and timely perform and construct the Work. Also per the Job Order Master Agreement - For any portion of the Work which, either through this Contract, Change Order or otherwise, is performed and paid for on a price, or time and materials basis, the prices may be reimbursed to JOC Contractor and chargeable against the Contract Price will be determined as set forth in MAG 109.5.

* Based on total contract amount

** Performance and payment bonds, general liability insurance, and builders risk insurance shall be assessed at .6%, .75%, .11% of the total Job Order value respectively.



Clarifications, Assumptions, and Exclusions

1. CLARIFICATIONS / ASSUMPTIONS

1. PCL's price proposal is valid for 30 days upon receipt.
2. Due to current market conditions the project schedule milestones will be determined on actual release dates.
3. No soils report, PCL is assuming Class "C" materials
4. No dust control permit required, but PCL is carrying 500gal water dog for excavation / backfill operations as well as clean up.
5. PCL has priced out stair landings for polymer equipment as standard steal Primed / coated.
6. No chemical trench is included pricing includes Direct Bury PVC Piping.
7. PCL has assumed access and routing of Direct Bury PVC Piping will not be altered per discussions with the City of Chandler and Hazen due to unknown existing utilities.
8. Static Mixers / Rotameters no specification provided – PCL utilized plug numbers
9. No future chemical piping included in proposal
10. 1" CW line system per notes indicate to disinfect entire system. PCL has only included disinfection of PCL's modifications per contract drawings as the entire system is unknown
11. 3" Double containment piping with 1" Carrier Piping is included in Proposal.
12. Proposal is based on 84" depth of Anthracite to be removed.
13. Work Identified to be included in another project will be done prior to our scope of work.
14. Assuming all Filters will be assessable at one time.
15. Assuming we can store removed anthracite onsite and haul off all at the same time in lieu of disposal at time of removal.
16. No Underdrain work is included only an Allowance for Grout Repairs.
17. Replacement of Underdrain Caps is not included
18. Includes 2 Metering Pumps
19. Programming is not included, only coordination with Programmer
20. Dry Polymer System has an 8-9 Month Lead Time, 2 Months for Submittals, and 6 Months for Fabrication. Included in duration is the 2 weeks (10 workings days) for engineer's review.
21. GAC Material has a 4-5 Month Lead Time. Included in duration is the 2 weeks (10 working days) for engineer's review.
22. PCL has included a \$75,000 Allowance for Material Escalation in the Long Lead Procurement Proposal
23. Arc Flash, or Load Study is not included
24. Pump VFD's are not needed for these pumps and are not included.
25. Providing or installing of Filters 1,2,3,4 area PLC cabinets is not included
26. Providing or installing of mesh network panel is not included
27. Providing or installing of Dis area PLC is not included
28. Providing or installing of any fiberoptic raceways, fiber optic cabling, Fiber optic terminations, Fiber optic OTDR testing, or Fiber optic patch panels is not included

29. Dry Polymer System to be supplied with a Modicon M340 PLC and the Polymer Pumps are supplied with 1/4 HP brushless DC motors. And as such, VFD's and/or VFD Panels are not required or included.
30. Price Assumes the Release of the GAC Media will be before August 1st, 2022.
From August 1st, 2022 – November 1st, 2022, price per pound is: \$1.83/lb.
From November 2nd – February 1st, 2023, price per pound is: \$1.965/lb.
31. Direct Bury PVC includes 3'-0" Cover to top of Pipe will be PVC Pipe / Solvent Welded with No Tracer wire, Cathodic Protection or Pipe Wrap Included. Piping will be backfilled with Native Material and with Sand Bedding of Pipe. No Pipe Encasing is Included.
32. Dual Containment Piping is Included with Underground Chemical Piping.
33. No CIP/Precast Concrete Trench
34. No H2O rated trench covers
35. Yard Pipe only 1" SCH 80 PVC and includes FAP -1,2, & 3
36. FAP-4 Future not included within proposal

2. EXCLUSIONS:

1. Permits
2. Utility Company permits, fees or allowances
3. Hazardous material testing and remediation
4. VFD's for pumps
5. Replacement of underdrains
6. Pipe Heat Tracing & Insulation
7. Arch Flash Study or Load Studies
8. Electrical duct banks
9. No Soils Report provided. Hard Digging and any ground water dewatering operations Excluded
10. 3rd party testing
11. Programming excluded – Coordination with Programmer included
12. Removal of any underground electrical structures
13. Excludes extended warranties



Date	June 02, 2022
Time	2:52:50 PM
BE Number	BE220845
Opportunity No	
Owner File No	
Estimator	

General Estimate Summary & Item Analysis Sheet

Project	COC JOC Pecos SWTP Filter Media Replacement - R1 Procurement Only
Location	Chandler, AZ, USA
Owner	
Designer	

Bid Closing

Project Start	April 19, 2022
Completion	April 19, 2022



CONSTRUCTION

BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement -

Location Chandler AZ, USA

Summary Page 1 of 1

Jun 02, 2022

2:52:50 PM

General Estimate Summary

Sheet Name	Description	Quantity UOM	Labor			Equipment			Services/ Tools / Supplies		Material		Subcontract		Total Cost	
			Hours	Rate	Total	Hours	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
DIRECT PRICING																
PRO	PROCUREMENT	1 LS	---	---	---	---	---	---	---	---	---	---	---	1,441,692	---	1,441,692
DIRECT PRICING			---	---	---	---	---	---	---	---	---	---	---	1,441,692	---	1,441,692
GENERAL EXPENSE PRICING																
FIXED GENERAL EXPENSE			1 LS													
GE 8	F6 BOND	100 %	---	---	---	---	---	---	255.94	25,594	---	---	---	---	255.94	25,594
FIXED GENERAL EXPENSE			1 LS	---	---	---	---	---	---	25,594	---	---	---	---	---	25,594
VARIABLE GENERAL EXPENSE			1 LS													
GE 17	V7 PROJECT STAFF	100 %	160	109.21	17,474	---	---	---	---	---	---	---	---	---	174.74	17,474
VARIABLE GENERAL EXPENSE			1 LS	160	---	17,474	---	---	---	---	---	---	---	---	---	17,474
GENERAL EXPENSE PRICING			2.99% T.DC.	160	---	17,474	---	---	---	25,594	---	---	---	---	---	43,068
TOTAL COST			160	---	17,474	---	---	---	---	25,594	---	---	---	1,441,692	---	1,484,760
Fee			8.00% T.C.													118,781
Taxes / Bonds / Insurance																
1	Taxes / Bonds / Insurance	1 LS	---	---	---	---	---	---	---	51,907	---	---	---	---	---	51,907
Taxes / Bonds / Insurance			2.99% T.DC.	---	---	---	---	---	---	51,907	---	---	---	---	---	51,907
Allowances																
2	Allowances	1 LS	---	---	---	---	---	---	---	75,000	---	---	---	---	---	75,000
3	Owner Allowance	1 LS	---	---	---	---	---	---	---	165,434	---	---	---	---	---	165,434
Allowances			2.99% T.DC.	---	---	---	---	---	---	240,434	---	---	---	---	---	240,434
TOTAL BID																1,895,882



BE Number BE220845

Opportunity No

Owner File No

Project **COC JOC Pecos SWTP Filter Media Replacement - R1 Procu**

Location Chandler, AZ, USA

Detail Page 1 of 7

Jun 02, 2022

2:52:51 PM

Item Analysis Sheet

PRO	PROCUREMENT	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
					Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Valves / EMO Valves																
	Valves	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	65,600	---	65,600
	Sand Media Purchase	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	68,274	---	68,274
	Manuf Rep Oversight (3 Visits 1 Day Each)	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	6,000	---	6,000
	GAC Media	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	1,036,000	---	1,036,000
	Purchase Dry Polymer System	1 EA	---	---	---	---	---	---	---	---	---	---	---	195,818.00	195,818	195,818.00	195,818
	Bulk Bag System	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	50,000	---	50,000
	Electrical Instrumentation	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	20,000	---	20,000
PROCUREMENT		1.00 LS	---	---	---	---	---	---	---	---	---	---	---	---	1,441,692	---	1,441,692



BE Number BE220845

Opportunity No

Owner File No

Project **COC JOC Pecos SWTP Filter Media Replacement - R1 Procu**

Location Chandler, AZ, USA

Detail Page 2 of 7

Jun 02, 2022

2:52:51 PM

Item Analysis Sheet

GE 8	F6 BOND	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	BOND	100	%															
	Sub-Contract/Supplier	1,895,882	TB	---	---	---	---	---	---	---	0.013500	25,594	---	---	---	---	0.013500	25,594
	BOND	100.00	%	---	---	---	---	---	---	---	255.94	25,594	---	---	---	---	255.94	25,594
	F6 BOND	100.00	%	---	---	---	---	---	---	---	255.94	25,594	---	---	---	---	255.94	25,594



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R1 Procu

Location Chandler, AZ, USA

Item Analysis Sheet

Detail Page 3 of 7

Jun 02, 2022

2:52:51 PM

GE 17	V7 PROJECT STAFF	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit
Management		100 %															
	Contract / PO Development																
	Project Manager	80 HR	1.000	1.000	80	ST1 130.81	10,465	---	---	---	---	---	---	---	---	130.81	10,465
Management		100.00 %	1.250	0.800	80	130.81	10,465	---	---	---	---	---	---	---	---	104.65	10,465
Engineering & Survey		100 %															
	Submittals																
	Proj Eng.	80 HR	1.000	1.000	80	EN1 87.61	7,009	---	---	---	---	---	---	---	---	87.61	7,009
Engineering & Survey		100.00 %	1.250	0.800	80	87.61	7,009	---	---	---	---	---	---	---	---	70.09	7,009
V7 PROJECT STAFF		100.00 %	0.625	1.600	160	109.21	17,474	---	---	---	---	---	---	---	---	174.74	17,474



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R1 Procu

Location Chandler, AZ, USA

Detail Page 4 of 7

Jun 02, 2022

2:52:51 PM

Item Analysis Sheet

1	Taxes / Bonds / Insurance	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
US CONTRACT BOND Class B		100	%															
	US Contract Bond	1	LS	---	---	---	---	---	---	---	9,926	---	---	---	---	---	---	9,926
US CONTRACT BOND Class B		100.00	%	---	---	---	---	---	---	99.26	9,926	---	---	---	---	99.26	9,926	
General Liability		100	%															
	Gen Liab-USA 8.50/M	1	LS	---	---	---	---	---	---	---	12,408	---	---	---	---	---	---	12,408
General Liability		100.00	%	---	---	---	---	---	---	124.08	12,408	---	---	---	---	124.08	12,408	
Builders Risk Insurance		100	%															
	Builders Risk	1	LS	---	---	---	---	---	---	---	1,820	---	---	---	---	---	---	1,820
Builders Risk Insurance		100.00	%	---	---	---	---	---	---	18.20	1,820	---	---	---	---	18.20	1,820	
TAXES		100	%															
	Arizona Gross Receipts Tax	1	LS	---	---	---	---	---	---	---	83,875	---	---	---	---	---	---	83,875
TAXES		100.00	%	---	---	---	---	---	---	838.75	83,875	---	---	---	---	838.75	83,875	
Tax Credits		1	LS															
	Tax Credits	1	LS	---	---	---	---	---	---	---	-56,122	---	---	---	---	---	---	-56,122
Tax Credits		1.00	LS	---	---	---	---	---	---	---	-56,122	---	---	---	---	---	---	-56,122

U01 STANDARD-LANDSCAPE-MASTER.RPT

C:\Users\mtcox\AppData\Local\BET\LocalFiles\1a4fabd-aec6-4159-9f39-377395dbf5d1\

1	Taxes / Bonds / Insurance	1.00
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BE Number BE220845
Opportunity No
Owner File No
Project **COC JOC Pecos SWTP Filter Media Replacement - R1 Procu**
Location Chandler, AZ, USA

Item Analysis Sheet

Detail Page 5 of 7
Jun 02, 2022
2:52:51 PM

1	Taxes / Bonds / Insurance	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Taxes / Bonds / Insurance	1.00	LS	---	---	---	---	---	---	---	---	51,907	---	---	---	---	---	51,907

1	Taxes / Bonds / Insurance	1.00
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BE Number BE220845
Opportunity No
Owner File No
Project **COC JOC Pecos SWTP Filter Media Replacement - R1 Procu**
Location Chandler, AZ, USA

Item Analysis Sheet

Detail Page 6 of 7
Jun 02, 2022
2:52:51 PM

2	Allowances	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Materials Escalation	1	LS	---	---	---	---	---	---	---	---	75,000	---	---	---	---	---	75,000
	Allowances	1.00	LS	---	---	---	---	---	---	---	---	75,000	---	---	---	---	---	75,000

2	Allowances	1.00
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BE Number BE220845
Opportunity No
Owner File No
Project **COC JOC Pecos SWTP Filter Media Replacement - R1 Procu**
Location Chandler, AZ, USA

Item Analysis Sheet

Detail Page 7 of 7
Jun 02, 2022
2:52:51 PM

3	Owner Allowance	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Owners Allowance	1	LS	---	---	---	---	---	---	---	---	165,434	---	---	---	---	---	165,434
	Owner Allowance	1.00	LS	---	---	---	---	---	---	---	---	165,434	---	---	---	---	---	165,434

List of Major Subcontractors/Suppliers

[illegible]

Kevin Roach

From: Jeff Pals <Jeff@hennesymech.com>
Sent: Monday, May 2, 2022 12:28 PM
To: Kevin Roach
Subject: Chandler Dry Polymer System Pricing

Importance: High

[External Email]

Kevin,

The main system (scope) is \$195,818.00/lot.

The optional adder for the Bulk Bag System is \$50,000/lot.

Kind Regards,

Jefferson (Jeff) Pals
President



201 S. 26th St., Phoenix, Arizona 85034

Office: 602-996-3444

Fax: 602-996-9408

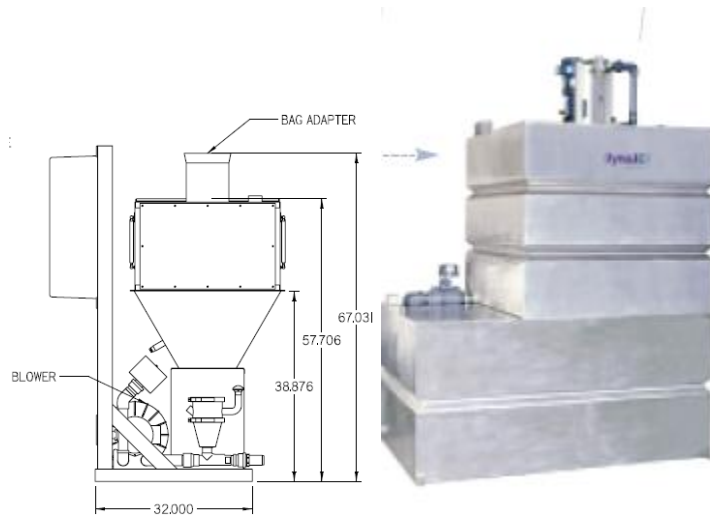
Website: www.HennesyMech.com [hennesymech.com]

The tree of liberty must be refreshed from time to time with the blood of patriots and tyrants. [Thomas Jefferson \[brainyquote.com\]](#)



FIRM PROPOSAL

DYNAJET™ POLYMER BLENDING SYSTEM FOR Chandler AZ - Pecos WTP



Note: Picture may not actually match proposed equipment

UGSI Chemical Feed, Inc. File No.: 202204-29096
Prepared: 04/28/2022

SALES REPRESENTATIVE

Hennesy Mechanical
Jeff Pals
201 S. 26th Street
Phoenix, AZ 85034

Tel: 602-996-3444

Email: jeff@HennesyMech.com



04/29/2022

To: Kevin Roach / PCL

Re: Chandler AZ - Pecos WTP
UGSI Chemical Feed, Inc. File No.: 202204-29096
Specification Section 46 77 10 – Dry Polymer Preparation System
Addendum 0.

Dear Kevin:

UGSI Chemical Feed, Inc. is pleased to provide this bid proposal in accordance with the most relevant information, including plans and specifications provided to us.

Please note the following key points when evaluating our proposal:

- Our packaged system will be delivered to you as skid mounted assemblies with everything pre-piped, pre-wired, and pre-assembled as specified for simple installation.
- UGSI Chemical Feed, Inc. is the named supplier.

A detailed breakdown of our scope of work is on the following pages. Please review it carefully, including our list of exclusions and clarification/exceptions, to ensure that a complete system is provided to the customer.

Thank you for the opportunity to work with you. If we can be of any further assistance, please do not hesitate to contact our sales representative, Jeff Pals at Hennesy Mechanical at 602-996-3444 or me directly at 970-556-2001.

Sincerely,
Jeff Rhodes
Regional Product Manager

Cc: Matt Boeh, UGSI Chemical Feed, Inc.
Joe Pedano, UGSI Chemical Feed, Inc.
Jeff Pals; Hennesy Mechanical - AZ

IMPORTANT NOTICE: All the information in this Proposal is confidential and has been prepared for Buyer's use solely in considering the purchase of the Equipment described. Transmission of all or any part of this Proposal to others or use by Buyer for other purposes is unauthorized without Seller's advance written consent.



SCOPE OF WORK BY UGSI CHEMICAL FEED, INC. ("SELLER")

The following equipment and services are included in Seller's scope of work. All equipment will be manufactured in accordance with Seller's standard equipment specifications and installed in a non-hazardous area.

<u>No.</u>	<u>Item Description</u>	<u>Qty.</u>
1.	Dynajet™ Dry Polymer Feed Skid including: • 4 Ft³ 304 SS Hopper • Bag Loading Shelf and Gas Spring Assisted Door • Low Hopper Level Alarm Sensor • 304 SS Volumetric Feeder, 3.4 lb/min ○ 304 SS Feeder Helix, Machined Solid Shaft ○ 1/4 HP, 90 VDC TEFC Motor w/ Gear Reducer • Transition Feed Funnel ○ 50-Watt, 120 VAC Heater ○ High Level Alarm Sensor • Regenerative Blower 90 CFM @ 40" Water Column ○ 2.5 HP, 460 VAC, 3-PH TEFC Motor • 1-1/2" 304 SS Solids Conveying Eductor • Conveyance Piping: ○ 30-Feet of 2-Inch Anti-Static Hose • 304 SS Skid Base	1.0
2.	Stacked Mix / Age / Feed Tank Assembly including: • 304 SS Construction • Mix/Age Tank, 390-Gallon W.V. • 3" Discharge with Motorized PVC Ball Valve for Transfer • PVC and Stainless-Steel Wetting Head ○ 50 GPM @ 50 PSI • 1-1/2" Slow Closing Solenoid Valve Wetting Head Supply • Mixer, 3/4 HP 460 VAC, TEFC Motor, 3/4" 316 SS Shaft, (1) 8" 316 SS Prop, 350 RPM • 2-1/2" SS Pressure Gauge, 0-160 PSI • Low Pressure Switch, NEMA 4X • Pressure Transducer Assembly • Feed Tank, 420-Gallon W.V. • 2" FNPT Discharge Fitting • Pressure Transducer Assembly	1.0
3.	Dry Feed Skid Mounted Control Panel including: • UL Labeled • NEMA 4X 316 SS Enclosure • Door Mounted Disconnect • E-Stop	1.0

No.	Item Description	Qty.
	• Modicon M340 PLC • 10-Inch A-B PanelView +7 Color Touch Screen • Motor Starters, VFD's, Lights, Switches, Alarms and Control Functionality as Required for Complete Automatic Operation • Manual Over-Ride including: ○ Hand-Off-Auto Selector Switch ○ Dilution Water Valve Open/Close ○ Blower Start/Stop ○ Feeder Start/Stop with Timer ○ Mixer Start/Stop with Timer ○ Transfer Valve Open/Close • Control Power Transformer • 460 VAC, 3-PH Power	
4.	Polymer Feed Pumps and Accessories including: • (2) 0.5 – 41.2 GPH Peristaltic Tubing Pump ○ 50 psi max. ○ NEMA 4X Integral Controls ○ 4-20 mAdc Input ○ 4-20 mAdc Speed Output ○ Pump Fault Output ○ 120 VAC Power Supply • (2) Gauge, Switch and Seal Assembly including: ○ 4-1/2-Inch 0-100 psi Pressure Gauge ○ High Pressure Switch ○ 316 SS Diaphragm Seal ○ 1/2-Inch 316 SS Isolation Valve • (2) Pressure Relief Valve, PVC and Viton ○ 1/2-Inch Connection • (2) Calibration Column, 2,000 mL	1.0
5.	One Lot Spare parts, including: • (2) Spare Pump Tube • (1) Pump Head (Roller Assembly)	1.0
6.	OPTIONAL - Big Bag, Hoist & Trolley System including: • 4" X 4" X 1/4"- Powder Coated Steel Frame • Gusset Reinforced • Motorized Hoist and Trolley, 460 VAC, 3-PH – 2,000 Lb Nominal • Chain Holder, Hand-Held Operator w/20' Cord • NEMA 4X Junction Box • Bag Support/Lift Bar	1.0



SCOPE OF WORK BY BUYER

1. Equipment unloading and installation.
2. All civil works and concrete pad for equipment
3. Anchor bolts & anchorage calculations.
4. Electric power to control panel as specified above in scope of supply.
5. All interconnecting piping, including from neat polymer storage to pump suction and from polymer feed system to point of application.
6. Water supply piping water connection – 50 gpm at 50 psi.
7. Valves, fittings, appurtenances not specifically listed under Scope of supply by UGSI Chemical Feed, Inc.
8. Remote installation of control panel and interconnecting wiring from remote-mounted control panel to junction box, etc.
9. All Electrical conduit, wiring, electrical material, etc. from control panel to plant SCADA, etc.
10. Decks, stairs and mezzanines not specifically listed under Scope of Supply by UGSI Chemical Feed, Inc.
11. Room ventilation, air conditioning or lightning
12. Videotaping {unless a videotape agreement is signed.
13. Any translation services for documents or operator training.
14. Equipment handling at port of entry, including any customs duties/fees, port charges, federal, state or local taxes.
15. All taxes, fees, lien waivers, bonds and licenses
16. Any items not explicitly listed under Scope of Supply by UGSI Chemical Feed, Inc.

SPECIFICATION CLARIFICATIONS AND DEVIATIONS

Specification Section	Item	Explanation
Contract Drawings	I03	The referenced drawing depicts a super sack frame assembly; however this item is not included in the polymer specification, Section 46 77 10. We have included a super sack frame as an optional adder.
40 73 29.13	Para. 2.01, E.	UGSI is including Emerson/Mobrey pressure transducers in our proposal for level control. We have successfully used these in numerous installations.
40 62 63	Para. 2.02, A.	UGSI interprets the polymer feed system HMI requirement as “small” and is including a 10-Inch HMI in our proposal.
40 63 43	Para. 1.03, A.	No PLC spare parts are included in our proposal and shall be provided by the contractor.
40 63 43	Para. 2.02, A.	UGSI’s proposal includes a Modicon M340 PLC system.
46 33 44	Para. 1.01, D.	Section 43 20 00 is not in the specification documents and UGSI takes exception to any requirements therein.
46 33 44	Para. 1.02, C.	Blue-White M Series pumps are supplied with 1/4 HP brushless DC motors. And as such, VFD’s are not required or included.



Specification Section	Item	Explanation
46 33 44	Para. 2.03, D., 18	The pumps controls are integral microprocessor type, a VFD Panel is not required or included.

MANUFACTURER'S SERVICES

UGSI Chemical Feed, Inc. will provide six (6) days for Installation Inspection, System Start-up, and Operator Training. Three (3) Mobilization/Demobilizations included.

Should additional services be required for work beyond Seller's Scope of Work, Buyer may purchase such services from Seller at a standard rate of \$1,800 per eight (8) hour day, plus expenses.

DESIGN SUBMITTALS AND OPERATION & MAINTENANCE MANUALS AS FOLLOWS (English Only)

Submittals: Electronic Copy

O&M Manuals: Electronic Copy Hard Copies Two (2)

SHIPPING TERMS

FOB Jobsite: Full freight allowed to project site.

SHIPPING INFORMATION

Shipping Dimensions: **TBD**

Estimated Shipping Weight: **TBD**

FIELD SERVICES

Should additional services be required for work beyond Seller's Scope of Work, Buyer may purchase such services from Seller at a standard rate of \$1,800 per eight (8) hour day, plus expenses.

SCHEDULE

As part of any binding Agreement that results from this proposal, Seller and Buyer shall mutually agree upon a production and delivery schedule (not to exceed the outside delivery date stated below). Our normal lead time for this type of equipment is:

Design Submittal (if required): 4 - 6 weeks after receipt of a fully executed purchase order

Equipment Shipment: Please call your UGSI Representative to confirm current lead-times

**PROPOSAL VALIDITY**

Seller's Firm Proposal dated 04/29/2022 is valid until 08/02/2022. The stated price is based on shipment no later than 08/02/2023. In the event Buyer desires to extend the delivery date or the Warranty Period beyond the time period set forth in this Proposal, Seller can offer extended terms for an additional charge which will be provided upon request.

PAYMENT TERMS

Standard terms are noted but can be negotiated:

20% Upon Approved Submittals, Net 30

20% Upon Release for Manufacturing, Net 30

60% Upon Shipment, Net 30

TAXES

Seller's Proposal does not include any sales, use, federal, state, local, excise, or other similar taxes or duties unless expressly stated in this quotation. All applicable taxes shall be paid by Buyer. Upon acceptance of an order by Seller, Buyer shall provide a resale certificate or tax exemption certificate, whichever is applicable, to Seller.

WARRANTY TERM

The Warranty Period is two (2) years from initial operation or 30 months from shipment, whichever occurs first, and is subject to the Standard Terms of Sale referenced in this Proposal.

TERMS AND CONDITIONS

Link to Sellers Standards Terms of Sale below, incorporated herein by this reference, will apply to any order resulting from this Proposal and are factored into the purchase price set forth in this Proposal.

<http://ugsichemicalfeed.com/ChemFeedTsandCs.Rev.19.01.10.php>

PRICE: _____



PROPOSAL ACCEPTANCE

An authorized signature indicates Buyer's acceptance of this proposal, including without limitation Seller's Terms and Conditions, reference above, and the following notes:

1. UGSI Chemical Feed, Inc. (Seller) proposes to furnish to the addressee named above (Buyer) the goods and services, if any, set forth above. Any items not shown above as detailed under 'SCOPE OF SUPPLY BY UGSI CHEMICAL FEED, INC.' are EXCLUDED. In addition:
 - i. Seller's price will be held valid for the listed under 'PROPOSAL VALIDITY'. Seller shall have the right to reprice this proposal if the Buyer's order is received after the period listed under 'PROPOSAL VALIDITY'.
 - ii. Prices are in US Dollars.
2. This proposal by Seller is contingent upon: (i) Seller's written acceptance of the signed proposal, a purchase order, or other document issued by the Buyer in response to this proposal; and (ii) Buyer's assent to the terms and conditions referenced and included in this proposal, such terms to take precedence in the event of conflict with any other terms or documents incorporated into the contract arising out of this proposal unless otherwise agreed in a writing, signed by "Seller"; and (iii) satisfactory completion of an anti-corruption due diligence review, if applicable.
3. All of the information supplied by Seller in connection with this proposal (including drawings, designs and specifications) (the "Information") is confidential and/or proprietary and has been prepared for Buyer's use solely in evaluating the purchase of the equipment and/or services described herein. Transmission of all or any part of the information to others, or use by Buyer for any purpose other than such evaluation, is expressly prohibited without Seller's prior written consent.
4. Please return a signed copy of this proposal or address and send your purchase order to:

Hennesy Mechanical Sales, LLC
201 S. 26th Street
Phoenix, AZ. 85034
Attn: Jeff Pals
Phone: (602) 996-3444
Fax: (602) 996-9408
E-mail: jeff@hennesymech.com

Thank you for your interest in UGSI Chemical Feed, Inc. We are committed to meeting your expectations.

UGSI Chemical Feed, Inc. File No.: 202204-29096

Signature: _____

Date: _____

Name: _____

Company: _____



SECTION 3

BROCHURE
UGSI Polymer Feed Systems

POLYMER ACTIVATION SYSTEMS



POLYBLEND[®]
DYNABLEND[™]
POLYMER FEED SYSTEMS

Proper Polymer Activation is the Key

UGSI Chemical Feed, Inc. pioneered the development of cost-effective polymer activation technologies for water and wastewater applications by following the science of polymer activation.

Backed by decades of scientific research and field experience gained from more than 65 years and 10,000 installations, Polyblend® mechanical and Dynablend™ hydraulic polymer activation systems deliver significant operational savings by reducing the consumption of polymers used for the treatment of water and wastewater.

While polymers vastly improve the operation of water and wastewater plants by accelerating the settling of particles and improving sludge dewatering, polymer costs are one of the largest operating expenses at a plant. Even a small reduction in polymer consumption can result in meaningful savings. Proper polymer activation is the key to maximizing polymer effectiveness.

To get optimal “uncoiling” of polymer chains without damaging or shortening the polymer chain, different levels of energy must be applied to the polymers at different times. High shear mixing is required to prevent agglomerations, but over-mixing can damage the polymer. The key is to shift mixing energy over time to get the optimal results. Following the science of polymer activation, UGSI hydraulic and mechanical mixing technologies employ a two-zone mixing regimen of applying high energy at the moment of initial wetting (MOIW) followed by a transition to a low-energy quiescent zone, the Polyblend® and Dynablend™ polymer mixing systems can consistently achieve higher activation levels and viscosities.

We Wrote The Book

Polymer activation expert Dr. Yong Kim leads UGSI’s program of rigorous testing of system activation performance. Chemists will continue to refine existing polymers and develop new ones just as they have for more than 35 years. Our ongoing equipment testing with different polymer types helps you choose the best polymer activation system for your application.

All UGSI polymer activation systems are designed using the science of efficient polymer activation



**HIGH ENERGY
AT MOIW**



**TRANSITION TO
LOW-ENERGY
“QUIESCENT ZONE”**



**ADEQUATE
RESIDENCE TIME**



**FULLY ACTIVATED
POLYMER SOLUTION
AT DESIRED
CONCENTRATION**

Emulsion Polymer Activation

UGSI Chemical Feed's industry-leading emulsion polymer activation technologies use superior two-stage mixing, frequently provide polymer savings of 20%-30% compared to single-stage mixing. Optimizing mixing energy ensures consistent performance to handle new polymer developments, ultra-high molecular weights, different charge densities and new chemistries. The compact size and open-frame design enables easy installation, access, and maintenance in confined spaces. Control options range from simple manual to full PLC-based automatic control with complete SCADA interface.



Polyblend® Mechanical Mixing

- Highly efficient mixing process results in polymer savings
- Excels at high molecular weight polymers
- Ability to quantify the energy input and relate it to G value - important for high molecular weight polymers or polymers with a tight tolerance for activation
- Low maintenance cost
- Wide variety of size options
- Large installation base

Polyblend® Mechanical Activation (Emulsion Polymer)		
Series	Water Flow Rate GPH (LPH)	Polymer Output Range GPH (LPH)
PB Series	1.6-1200 (6-4540)	0.0125-8 (0.05-30.2)
M-Low Series	3-120 (11.4-454.2)	0.0125-2.5 (0.05-9.5)
MM Series	240-3200 (912-12,113)	0.0125-660 (0.05-2508)
M Series	240-12,000 (912-45,600)	0.0125-660 (0.05-2508)

Dynablend™ Hydraulic Mixing

- Performs well with wide range of molecular weight polymers
- No moving parts in the mixing chamber
- Low operating cost
- Low maintenance cost
- Multiple mixing chamber sizes
- Highly reliable



Dynablend™ Hydraulic Activation (Emulsion Polymer)		
Series	Water Flow Rate GPH (LPH)	Polymer Output Range GPH (LPH)
MiniBlend	12-1200 (45-4543)	0.0125-5 (0.05-18.9)
L4	12-1200 (45-4543)	0.0125-20 (0.05-75.7)
L6	180-3000 (681-11,356)	0.0125-20 (0.05-75.7)
L8	360-6000 (1363-22,712)	1.5-300 (5.7-1135)
L12	900-21,000 (3407-79,494)	1.5-300 (5.7-1135)

Dry Polymer Activation

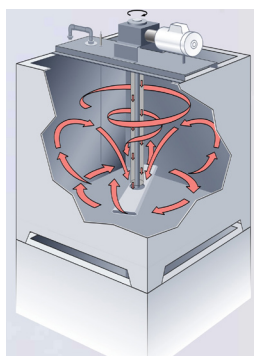


Polyblend® Mechanical Mixing

To create the ideal environment for the first stage of dry polymer dissolution, crucial initial wetting occurs in UGSI's DD4 disperser, where polymer and water are subjected to high energy created by mechanical mixing. The dry polymer is precisely metered into the high-energy mix chamber and properly activated with water. After brief exposure, the solution exits the high-energy disperser. The point of initial polymer / water contact is visible to the operator through a clear, acrylic interface.

Dynajet™ Hydraulic Mixing

The Dynajet™ technology uses a blower-induced pneumatic conveyance system to convey up to 12 lbs of polymer per minute from the volumetric feeder to the wetting head, with higher capacity custom systems available. The polymer is naturally dispersed in the conveyance air before introduction to the dilution water for optimum polymer-particle wetting. Polymer and water come together in a high flow shower of water produced by a minimum of six specially designed waterjets to ensure complete polymer-particle wetting. The solution that's created enters the mix tank where the polymer solution is ready for the mixing and aging process.



The activated polymer storage tank is specifically designed to provide fully uniform mixing intensity. The rotating impeller - known as a "hollow wing" - has a length that is more than half the width of the tank. This unique design continuously moves the solution both vertically and horizontally, creating a pump-like action that reduces agglomerations and broken polymer chains. The square tank design eliminates the potential for a damaging vortex. With minimal waste, polymer costs are reduced and polymer activation performance improved. The hollow wing impeller design is available for use with various tank sizes up to 2,000 gallons. The hollow wing design is standard on all Polyblend® dry polymer systems and optional on Dynajet™ dry polymer systems.

Polyblend® Mechanical Activation (Dry Polymer)

Series	Water Supply GPM (LPM)	lbs. (kg) Polymer/Hr. @ 0.75% Concentration	# of Tanks/ Tank Capacity USG (L)
DP 110	10 (37.8)	4 (1.8)*	2/ 75 (283)
DP 500	20 (75.7)	16 (7.3)	2/ 160 (606)
DP 800	30 (113.6)	32 (14.5)	2/ 360 (1363)
DP 2000	30 (113.6)	62 (113.6)	2/ 750 (2839)
DP HC	115 (435)	469 (212)	2/ 7500 (23,385)

*Numbers provided are @ 0.3% concentration. UGSI does not recommend exceeding this concentration for a DP 110 system.

Dynajet™ Hydraulic Activation (Dry Polymer)

Series	Water Supply GPM (LPM)	lbs. (kg) Polymer/Hr. @ 0.75% Concentration	# of Tanks/ Tank Capacity USG (L)
DJM-390	50 (185)	27 (12)	2/ 390 (475)
DJM-750	50 (185)	40.5 (18.3)	2/ 750 (2839)
DJM-1000	50 (185)	63 (28.5)	2/ 1000 (1363)
DJM-1500	50 (185)	87 (39.5)	2/ 1500 (5675)
DJM-2000	50 (185)	114 (51.7)	2/ 2000 (7570)
DJM-2500	50 (185)	138 (62.5)	2/ 2500 (9460)

Larger capacity systems available. Please consult your sales representative.

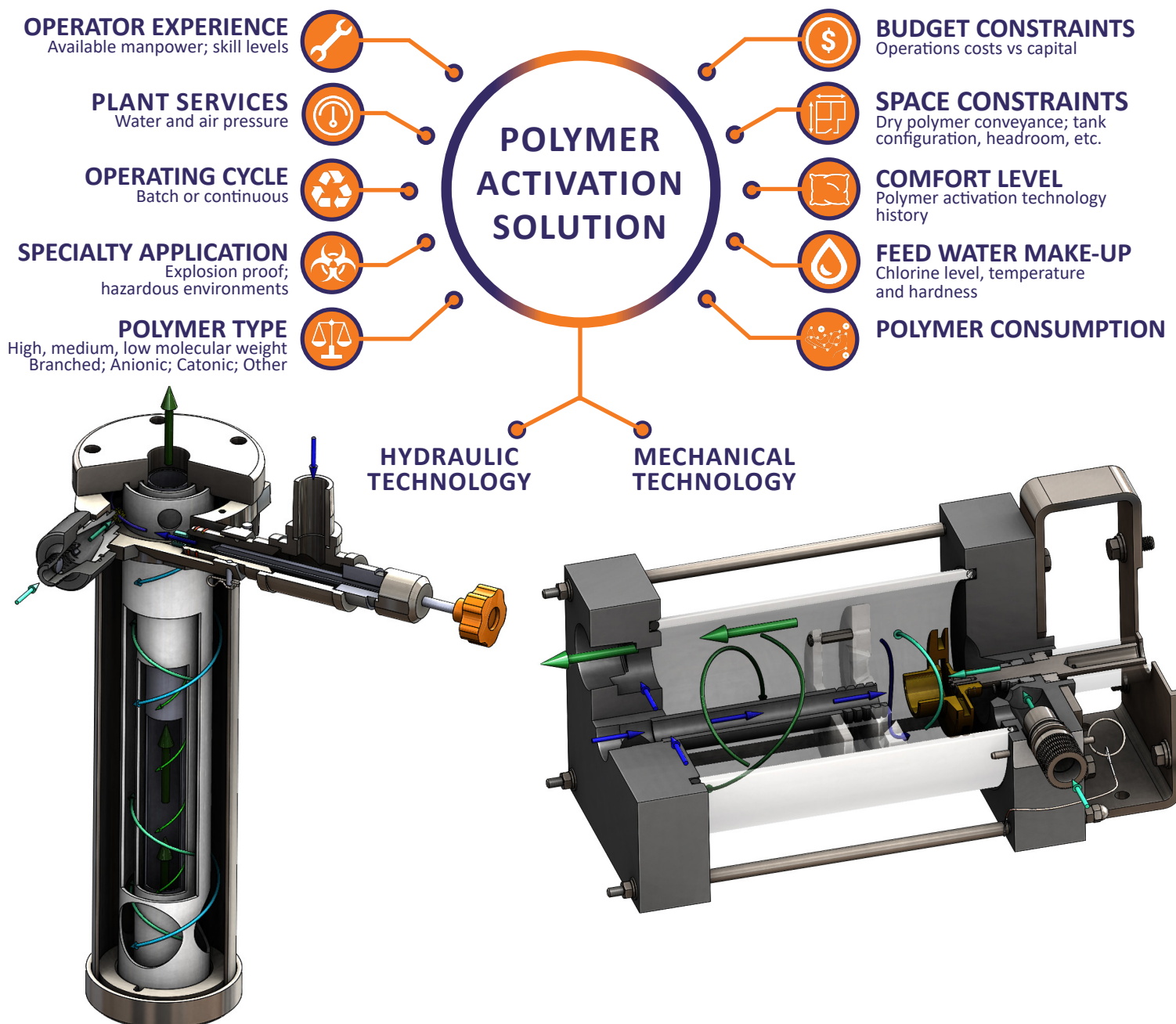
Mechanical or Hydraulic Mixing Technology?

UGSI Chemical Feed offers a comprehensive line of polymer activation methods with both the mechanical activation design of the Polyblend® system and the hydraulic activation design of the Dynablend™ system for all emulsion and dry polymer formulations.

So how do you know which technology is best for you?

Our team of trained experts can help determine the best technology for your application. Because we are not limited to one technology, you can feel confident knowing we're committed to finding the system that meets your process objectives.

UGSI experts help guide the equipment selection process based on the specifics of your particular application.



UGSI Demo Program : Experience the Savings

Experience the Effectiveness

of science-based polymer mixing systems for yourself. We're so sure you'll be satisfied with a demonstration on your existing or new application, that we'll bring the on-site trial to you for a side-by-side comparison.



Polymer Feed and Control Applications

Drinking water

Groundwater remediation

Industrial process water

Wastewater

Water reuse and recycle

Available for Polyblend®, Dynablend™ and Dynajet™ polymer activation systems.

Ten emulsion systems operating in the field at any given time.

Two trailer mounted dry polymer systems available.

Highly successful program for customers and consulting engineers.

Direct evidence of demonstrated polymer savings.

Case studies available.

"The PolyBlend® DP800 Demo Trailer was very simple to use. I just set the settings and walked away; it was extremely user-friendly. The way it blends and the resulting polymer solution – and the reduction in polymer usage – made this an excellent unit."

**Brad Anderson, O&M Tech V
Fairfield-Suisun Sewer District, CA**



1901 West Garden Rd, Vineland, NJ 08360
Tel: (856) 896-2160 | Fax: (856) 457-5920
Email: info@ugsichemicalfeed.com
www.ugsichemicalfeed.com

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Subject to change without prior notice.
Literature No. CF.480.000.000.SB.0419

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CARBON ACTIVATED CORP. USA

2250 SOUTH CENTRAL AVE,
COMPTON,CA 90220

Quotation

Date	Quotation No.
5/2/2022	6733

Name / Address
PCL CONSTRUCTION INC 1711 W.GREENTREE DRIVE SUITE # 201 TEMPE, AZ 85284

Ship To
CITY OF CHANDLER SWTP 1475 E.PECOS RD CHANDLER, AZ 85286

Attention To	Terms	valid Until	FOB	Ship Via	Rep
KEVIN ROACH		8/2/2022	PRE-PAID	CAC	

Item	Description	Ordered	Rate	Amount
019-AZ	COL – L 60 (8x20)	592,000	1.75	1,036,000.00
	Please Note: Above quotation is valid for 3 months from the date of this quotation. From August 1st 2022 – November 1st 2022 price per pound is:\$1.83/lb. From November 2nd – February 1st 2023 price per pound is:\$1.965/lb. Applicable Sales tax not included in this quotation.			
	Sales Tax		10.25%	0.00
Total				\$1,036,000.00



COL-L 60 (8x20)

LIQUID PHASE BITUMINOUS COAL BASE CARBON

COL-L 60 is a hard, regenerable granular activated carbon (GAC) manufactured from select grades of bituminous coal. It is a high-density carbon with a large pore volume and high surface area. Its pore structure has been developed for the adsorption of both high and low molecular weight impurities. COL-L 60 is commonly used for purifying potable water, ground water and wastewater, and a wide variety of decolorizing/deodorizing applications. COL-L 60 current meets AWWA B604 standards and Food Chemicals Codex Standards for drinking water applications and is ANSI/NSF Standard 61 certified.



SPECIFICATIONS	COL-L 60	ASTM TEST METHOD
Adsorptive Capacity – Iodine No. (min)	920 mg/g	D4607
Apparent Density	0.52 – 0.56 g/cc	D2854
Moisture Content (max)	2%	D2867
Hardness No. (min)	95	D3802
Ash (max)	9%	D2866
Abrasion Resistance (min)	85	AWWA B 604
Effective Size	1.0 – 1.2 mm	D2862
Uniformity Coefficient (max)	1.5	D2862



APPLICATIONS

Used for purifying potable water, ground water and wastewater, and a wide variety of decolorizing/deodorizing applications.

INTERNAL SIZE DISTRIBUTION

US MESH SIZE 8x20 +8 5 % max
-20 4% max

EFFECTIVE SIZE 1.0 –1.2 mm

UNIFORMITY COEFFICIENT 1.5 max

ACTIVATION METHOD

Steam activation

STANDARD PACKAGING

- 55 lb. or 27.5 lb. polylined polypropylene bags
- 200 lb. fiber drums
- 1000 lb. supersacks

This information is offered solely for your consideration and verification. It has been gathered from reference materials and/or test procedures and is believed to be true and accurate. None of this information shall be constituting a warranty or representation, expressed or implied, for which we assume legal responsibility or that the information or goods described is fit for any particular use either alone or in combination with other goods or processes.





Date: May 2, 2022

Submitted By: Brian Moen

Contact Info: Cell: 602-799-4246
bmoen@ameelectrical.com

Submitted To: PCL Construction

Attention: Michael Cox
Kevin Roach

Project Name: City of Chandler
Pecos SWTP
Filter Media Replacement

Plans Dated: April 2022

Addenda:

We hereby propose to supply the labor and furnish the labor to complete the electrical, instrumentation and controls for the above reference project as clarified below:

Inclusions:

- Filter Gallery:
 - Supply and install the following switchgear:
 - Transformer TX-LP-FG1
 - Panelboard LP-FG1
 - Circuit breaker for existing panel PP-FV1 to feed transformer
 - Transformer and Panelboard to be NEMA 4X Stainless Steel per specifications
 - Supply the following flow meters. Flow tubes to be installed by others. Flow transmitters to be installed by AME. Includes ground rings to be installed with the flow tubes.
 - PWTP-PLY-FLT-PMP01-FE/FIT01
 - PWTP-PLY-FLT-PMP02-FE/FIT02
 - PWTP-PLY-FLT-PMP03-FE/FIT03
 - PWTP-PLY-FLT-PMP04-FE/FIT04
 - The following valves are to be connected per the drawings: Valves are supplied and installed by others.
 - PWTP-PLY-FLT-PMP01-VLV01
 - PWTP-PLY-FLT-PMP02-VLV02
 - PWTP-PLY-FLT-PMP03-VLV03
 - PWTP-PLY-FLT-PMP04-VLV04
 - Supply and install conduit, wire, supports, and related fittings for above equipment per the drawings and as discussed at the pre-bid job walk. Conduit to be PVC coated RMC.
 - Perform startup of the above items and assist integration with PLC



- Blower Room
 - Supply and install, as clarified, the following instruments:
 - PWTP-ASC-BLW-FIT/FE01
 - Weldolet or Pipe Saddle as shown in Detail I-40-1005 on Sheet ID01 to be supplied and installed by others
 - Transmitter to be installed on South wall below the Element due to space limitations on East wall as shown on the drawings. This was discussed at the pre-bid walk.
 - Supply and install Rigid Metal Conduit, wire, supports, and related fittings for above flow meter
 - Perform startup on flow meter and assist integration with PLC
- Disinfection Building
 - Supply and terminate as applicable the following instruments, installation by others:
 - PWTP-SRW-PLY-FLT-TNK03-TI01
 - PWTP-SRW-PLY-FLT-TNK03-PI01
 - PWTP-SRW-PLY-FLT-TNK03-PI02
 - PWTP-PLY-FLT-PMP01-PI01
 - PWTP-PLY-FLT-PMP01-PSH01
 - Above two items are provided with a diaphragm seal on common tree
 - PWTP-PLY-FLT-PMP02-PI01
 - PWTP-PLY-FLT-PMP02-PSH01
 - Above two items are provided with a diaphragm seal on common tree
 - PWTP-PLY-FLT-LSH01
 - PWTP-SRW-PLY-FLT-PMP02-PI01
 - PWTP-SRW-PLY-FLT-PMP02-PI02
 - PWTP-SRW-PLY-FLT-PMP02-FSL01
 - Install Control Panel and related components for the Polymer System as shown on P&IDs and per specifications
 - Supply and install new Circuit Breaker in existing MCC-DIS to feed new Polymer System LCP
 - Install VFDs for Feed Pumps, both provided by others
 - Supply and install power and controls to valves and pumps. Valves and pumps supplied and installed by others
 - Supply and install Access Control and Cameras with related equipment
 - Supply and install Rigid Metal Conduit, wire, supports, and related fittings for above equipment
 - Perform startup of the above items and assist integration with PLC

Exclusions:

- Permit, taxes, bond, and fees, if any
- Installation of instruments and related process piping as clarified above Inclusions
- Supplying VFDs and other control panels as indicated above

Total Price: \$ 221,260.00

\$20,000 of this cost is for the Electrical panels which are long lead items and this cost is included in the Procurement Proposal while the remaining is included in the Construction Proposal.



Kevin Roach

From: Brian Moen <bmoen@ameelectrical.com>
Sent: Tuesday, May 3, 2022 10:40 AM
To: Kevin Roach
Subject: RE: COC Pecos Final Pricing

Thanks for reaching out Kevin.

Lead times and pricing are as follows:

Electrical Panel is Long Lead
Items and Included in
Procurement Proposal

Item	Lead Time in Weeks	\$ Value
Electrical Panel	22	20,560.00
Transformer	12	
MCC Bucket	12	
Circuit Breaker	10	
Mass Air Flow	8	7,465.00
Flow Meters	10	18,065.00
Gauges	4	4,290.00
Press. Switches	4	1,080.00
Access & Security	8	23,400.00

The above lead times are upon approved submittals. Please allow 4 weeks for providing the submittals. It is at your discretion which items you consider long lead. Also note that the switchgear pricing was provided in a lump sum from Eaton, thus some items not having pricing in the column.

On the access and security portion, the specified card readers are up to a year out. Per APL, they have substituted an alternate brand in Chandler in the past that they have accepted them. The alternate unit they have in stock. Cameras are 8 weeks upon approved submittals.

Please let me know if you need additional information.

Thanks, Brian



Brian Moen
Industrial Manager
A.M.E Electrical Contracting, Inc.
7120 S. Priest Dr.
Tempe, Arizona 85283
Cell (602) 799-4246
Office (602) 437-7222
Fax (602) 437-1930

Red Flint Sand & Gravel, LLC

1 American Blvd.
PO Box 688
Eau Claire, WI 54702
Phone: (715) 855-7600
Fax: (715) 855-7608



DATE: April 27, 2022
TO: Kevin Roach
Pcl Construction, Inc.
FROM: Emily Ayres
SUBJECT: Granular Filter Materials
QUOTE: QTE220427C13-02

Phone: 480-797-7109
Email: kroach@pcl.com

CHANDLER, AZ

Listed below is our quotation for the Red Flint products you requested, quoted with delivery to Chandler, AZ. Our product pricing will remain valid for 30 days; however, freight rate at time of shipping will apply. Our terms are net 30 days, with 1.5% interest charged per month on all account balances over 30 days. Red Flint imposes a surcharge of 2% on the transaction of Visa, MasterCard, Discover, and American Express credit cards, which is not greater than our cost of acceptance. We do not surcharge debit cards.

Red Flint granular filter materials have been used in municipal and industrial filtration applications since 1917. Red Flint filtration media is produced to meet exacting size and uniformity specifications and meets or exceeds the AWWA B100-16 Standard (Granular Filter Materials) and is NSF/ANSI Standard 61 (Drinking Water System Components – Health Effects) certified for quality and purity.

ITEM CODE	ITEM DESCRIPTION	QUANTITY
AB37020-151	Filter Sand 0.50-0.60mm, UC<1.4	110 (30 cuft) super sacks
PA11099-151	Industrial Pallets	110 pallets
SV15099-151	Independent Laboratory Testing	1 lot *see Note #2
Material Subtotal:		\$22,159.00
TA12099-151	Estimated Shipping & Handling	7 flatbeds
TA12099-151	Estimated Shipping & Handling	1 partial flatbed
Freight Subtotal:		\$46,115.00
TOTAL:		\$68,274.00

Additional Notes:

1. In order to meet your delivery schedule, Red Flint requests that a Purchase Order be issued **10-12 weeks** prior to your estimated shipping date. This lead time **does not** include transit time to your location.
2. The following **pre-shipment** testing is included for submittals:

Test	Sand
Sieve Analysis (ES, UC)	1
Specific Gravity	1
Acid Solubility	1

- a. Please allow 3 - 4 weeks for sampling, testing, and approval.
- b. No post-shipment sampling or testing are included in the price.
- c. Friability is not a common filter sand test and we do not have previous test data available - it has not been included in the pre-shipment test lot.

d. Red Flint shall approve the laboratory selected for pre-shipment testing. Post-shipment testing is not included in our proposal.

3. Shipping & Handling price is based on current rates and fuel surcharge. Actual rates and surcharge at the time of shipping will apply. Delivery will be made via flatbed truck; a forklift is needed to remove the pallets from the truck. After the first hour of truck unloading, there is an \$85/hour demurrage charge for any further unloading time.

4. We advise all of our customers to account for the volatility of the shipping market in their project contingency plans. We will pass on increases, should they occur on this project, when we invoice. If reductions were to occur, we will also pass on those savings at invoice. Prior to accepting a purchase order, Red Flint will provide updated and current freight rates. The freight rates at time of shipping will apply; rates will be updated after purchase order no less than every 30 days for the duration of the project as freight rates change.

5. Bulk density of sand & gravel = 100 lb/cubic foot.

6. Quantity based on 8 filter cells 14' x 27' each

a. An additional 1" of sand included for skimming allowance

7. No installation supervision is included in the price, as it's based on the number of days we would need to have a representative onsite. If Red Flint is to provide a representative to oversee the installation, services can be added for \$1,800 per day (including travel time). Travel expenses are included in the price, assuming > 3 weeks is provided to make travel arrangements.

a. Changes to travel schedule, at the request of the purchaser, after travel arrangements have been made, will be at the expense of the purchaser. Expenses associated with altering the travel schedule will be invoiced at cost.

Media Specifications & Properties:

Filter Sand:

- a. Specific gravity: 2.60-2.70
- b. Acid solubility: < 2%
- c. Bulk density = 100 lb/cuft

Please advise if we can be of further assistance by calling Red Flint at (715) 855-7600 or you can email me at emily.ayres@redflint.com. Purchase orders can be sent to sales@redflint.com. Thank you for considering Red Flint Sand and Gravel.



3650 S ASHLEY PL CHANDLER AZ 85286

Ph. 480.826.0339

PROJECT: PECOS SWTP FILTER MEDIA REPLACEMENT
CHANDLER, AZ

BID DATE: 6/1/2022

BID TIME: 3:00PM

ENGINEER: HAZEN

YARD PIPING:	\$	32,256.00
MECHANICAL:	\$	84,676.00
PROJECT TOTAL:	\$	116,932.00

\$65,600 of this cost is for the valves which are long lead items and this cost is included in the Procurement Proposal while the remaining is included in the Construction Proposal.

KEY NOTES:

- 01 ACKNOWLEDGE ADDENDUM No.
- 02 MATERIAL PRICING <> BASED ON FURNISHING IMPORT and DOMESTIC MATERIALS
- 03 MATERIAL PRICING <> VALID FOR 30 DAYS AND SHIP WITHIN 6 MOS. <> SUBJECT TO PRICING AT TIME OF SHIPMENT.
- 04 PAYMENT TERMS <> NET 30
- 05 MATERIAL PRICING <> FOB JOBSITE - AS LONG AS RELEASED IN BULK
- 06 EXCLUDE TAXES & ALL MATERIAL NOT SPECIFICALLY LISTED IN QUOTE
- 07 MATERIAL QTYS & INTERPRETATION OF CONTRACT DOCUMENTS ARE BELIEVED TO BE CORRECT, BUT NOT GUARANTEED
- 08 THIS BID OFFERED AS SUPPLYING IT COMPLETE, BREAKING OUT MATERIAL IS SUBJECT TO PRICE ADJUSTMENT
- 09 LEAD TIMES ARE ESTIMATED, CapFlo AZ IS HELD HARMLESS IN EXTENDED PRODUCTION DELIVERY TIMES.
- 10 ESTIMATED LEAD TIMES: PIPE UP TO 180 DAYS, FAB PIPE 12-14 WEEKS, VALVES 10-12 WEEKS, SPECIAL COATINGS 12-14 WEEKS

PROJECT: PECOS SWTP FILTER MEDIA REPLACEMENT

BID DATE: 6/1/2022

LOCATION: CHANDLER, AZ

OWNER: CITY of CHANDLER

ENGINEER: HAZEN



3650 S ASHLEY PL
CHANDLER AZ 85286
480.826.0339

LINE	QTY	UOM	SIZE	x	SIZE	DESCRIPTION	LINING	COATING	UNIT PRICE	SUBTOTAL	TOTAL
10											
20											
30						CIVIL IMPROVEMENT PLANS					
40											
50	2,000	LF	01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 4.00	\$ 8,000.00	
55	24	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 7.00	\$ 168.00	
60											
70	24	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 7.00	\$ 168.00	
80	4	EA	01"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 10.00	\$ 40.00	
90	100	EA	01"			SCH80 CPVC COUPLING - SxS			\$ 9.00	\$ 900.00	
100											
110	300	LF	1-5/8"	x	10'-0"	304ss 12ga STRUT w/ SLOTS	Fig. 1011		\$ 25.00	\$ 7,500.00	
120	270	EA	02"			304ss 2-PC STRUT "CUSH" CLAMP (F/ PVC)	Fig. 2513		\$ 50.00	\$ 13,500.00	
130	180	EA	3/8"	x	1-1/4"	304ss HEX BOLT			\$ 1.00	\$ 180.00	
140	180	EA	3/8"			304ss STRUT NUT w/o SPRING	Fig. 3006		\$ 10.00	\$ 1,800.00	
150											
160											
170								116.42371			
180						MECHANICAL					
190											
200						PROCESS LOCATION: DISINFECTION BUILDING					
210	40	LF	02"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 7.50	\$ 300.00	
220	100	LF	01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 4.00	\$ 400.00	
230	40	LF	1/2"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 2.00	\$ 80.00	
240											
250	30	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 7.00	\$ 210.00	
260	22	EA	1/2"			SCH80 CPVC 90° BEND - SxS			\$ 3.00	\$ 66.00	
270	5	EA	02"	x	02"	SCH80 CPVC TEE - SxSxS			\$ 30.00	\$ 150.00	
280	13	EA	01"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 10.00	\$ 130.00	
290	18	EA	1/2"	x	1/2"	SCH80 CPVC TEE - SxSxS			\$ 6.00	\$ 108.00	
300	1	EA	02"	x	1/2"	SCH80 CPVC REDUCING COUPLING - SxS			\$ 26.00	\$ 26.00	
310	4	EA	01"	x	1/2"	SCH80 CPVC REDUCING COUPLING - SxS			\$ 9.00	\$ 36.00	
320	20	EA	1/2"			SCH80 CPVC MALE ADAPTER - SxMIPT			\$ 4.00	\$ 80.00	
330	4	EA	02"	x	1/2"	SCH80 CPVC BUSHING - SxS			\$ 15.00	\$ 60.00	
340											
350	1	EA	02"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 160.00	\$ 160.00	
360	4	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 65.00	\$ 260.00	
370	16	EA	1/2"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 45.00	\$ 720.00	
380	4	EA	01"			KING 316ss ROTAMETER - BOROSILICATE TUBE, 316ss FLOAT, VITON O-RINGS, +/-2% Acc.			\$ 1,500.00	\$ 6,000.00	
390	4	EA	01"			SCH80 CPVC PE STATIC MIXER			\$ 400.00	\$ 1,600.00	
400											
410						PROCESS LOCATION: FILTERS 1-8					
420	100	LF	01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 4.00	\$ 400.00	
421	100	LF	02"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 7.50	\$ 750.00	
440	32	EA	02"			SCH80 CPVC 90° BEND - SxS			\$ 9.00	\$ 288.00	
450	16	EA	02"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 12.00	\$ 192.00	
430											
440	64	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 5.00	\$ 320.00	
450	16	EA	01"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 7.00	\$ 112.00	
460	20	EA	01"			SCH80 CPVC SLIP CAP			\$ 9.00	\$ 180.00	
470	12	EA	01"			SCH80 CPVC VANSTONE FLANGE			\$ 14.00	\$ 168.00	
480											
490	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV01		\$ 14,150.00	\$ 14,150.00	
500	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV02		\$ 14,150.00	\$ 14,150.00	
510	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV03		\$ 14,150.00	\$ 14,150.00	
520	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV04		\$ 14,150.00	\$ 14,150.00	
530	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP02-VLV01		\$ 1,500.00	\$ 1,500.00	
540	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP02-VLV01		\$ 1,500.00	\$ 1,500.00	
550	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP03-VLV01		\$ 1,500.00	\$ 1,500.00	
560	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP04-VLV01		\$ 1,500.00	\$ 1,500.00	
570	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP05-VLV01		\$ 1,500.00	\$ 1,500.00	
580	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-TNK03-VLV01		\$ 1,500.00	\$ 1,500.00	
590	2	DAY				EMO ACTUATOR START-UP - PER DAY			\$ 3,000.00	\$ 6,000.00	
600											
610	8	KIT	01"			316ss BN&W KIT - TAG: PVC FLG -to- SS FLG BN&W KIT			\$ 25.00	\$ 200.00	
620	8	EA	01"	x	1/8"	150lb "FF" VITON FLG GASKET			\$ 10.00	\$ 80.00	

Valves with Actuator are Long
Lead Items and Included in
Procurement Proposal

LINE	QTY	UOM	SIZE	x	SIZE	DESCRIPTION	LINING	COATING	UNIT PRICE		SUBTOTAL	TOTAL
630												
640												
											SUBTOTAL	\$ 84,676.00
											TOTAL	\$ 116,932.00

EQUIPMENT

Equipment	Bluebook Rates (\$/hr)
N/A - Procurement Only	

Billable hourly rates shall be FHWA operated rates published by
Bluebook (penton) on equipment watch.com

ATTACHMENT A

The following is a billable hourly rate table for craft labor:

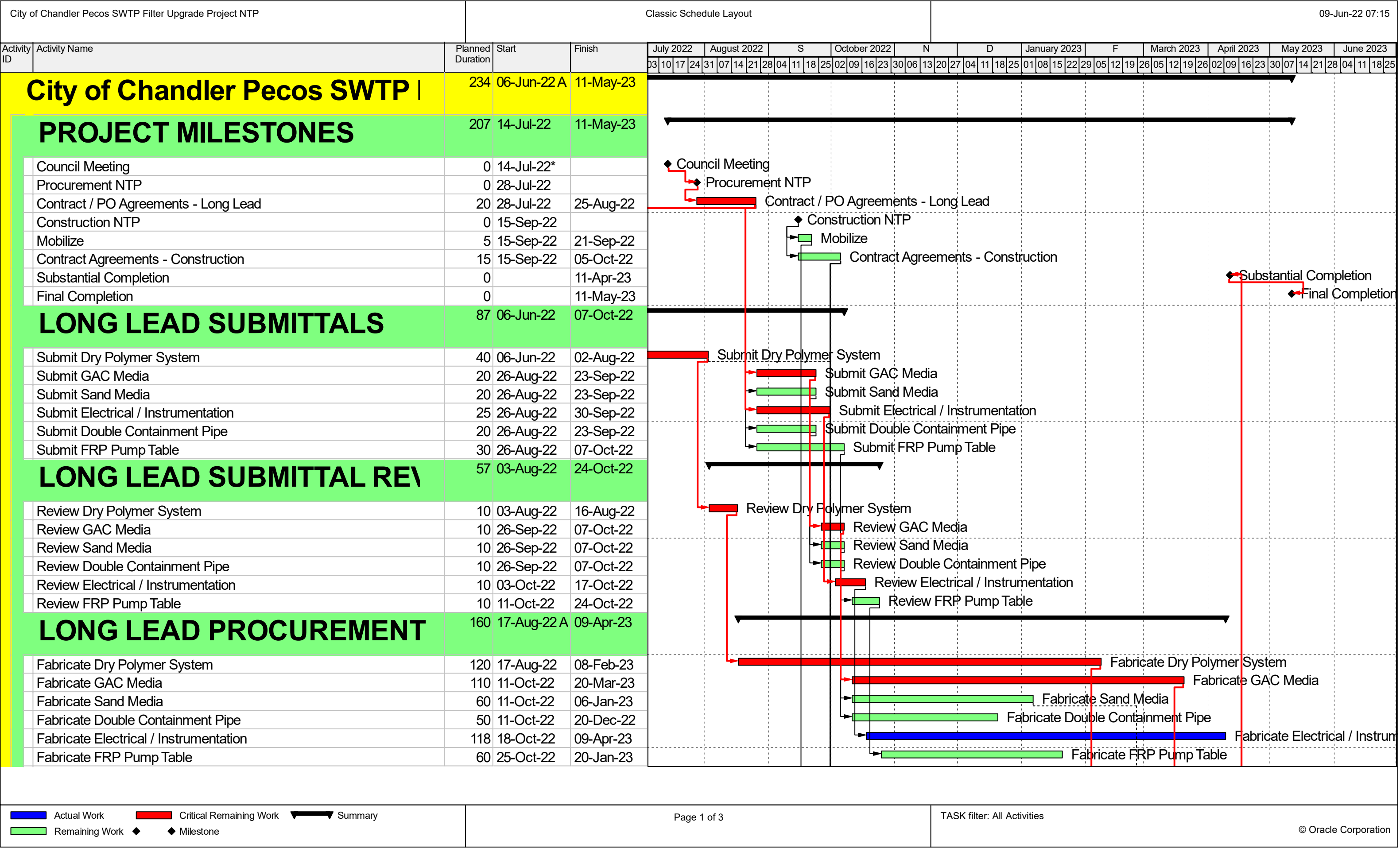
Craft Classification	PCL Standard Rates(\$/hr)
N/A - Procurement Only	

Billable hourly rates used in this proposal are estimates of projected market conditions at the time work will be performed.

Billable hourly equipment rates shall be the FHWA operated rates published by Bluebook (penton) on equipmentwatch.com

WA2104.401 - PECOS SURFACE WATER TREATMENT PLANT FILTER MEDIA REPLACEMENT - PROCUREMENT

JOC-A-	-B-			-C-	-D-	-E-	-F-	-G-		-H-
Item No.	Description of Work	Unit	Unit Price	Original Schedule Value	Previous Application	This Period	Stored Materials	Total To Date	%	Balance To Finish
	Preconstruction Services									
1	Dry Polymer System Procurement	1	LS	275,000.00	0	0.00	0	0.00	0%	275,000.00
2	GAC Media Procurement	1	LS	1,075,000.00	0	0.00	0	0.00	0%	1,075,000.00
3	Sand Media Procurement	1	LS	100,000.00	0	0.00	0	0.00	0%	100,000.00
4	Valve Procurement	1	LS	95,000.00	0	0.00	0	0.00	0%	95,000.00
5	Electrical/Instrumentation Procurement	1	LS	50,000.00	0	0.00	0	0.00	0%	50,000.00
6	General Conditions	1	LS	59,344.04	0	0.00	0	0.00	0%	59,344.04
	Allowances									
8	Owner's Allowance	1	LS	165,434.40	0	0.00	0	0.00	0%	165,434.40
9	Materials Escalation	1	LS	75,000.00	0	0.00	0	0.00	0%	75,000.00
	TOTALS			1,894,778.44	0	0	0	0.00	0%	1,894,778.44



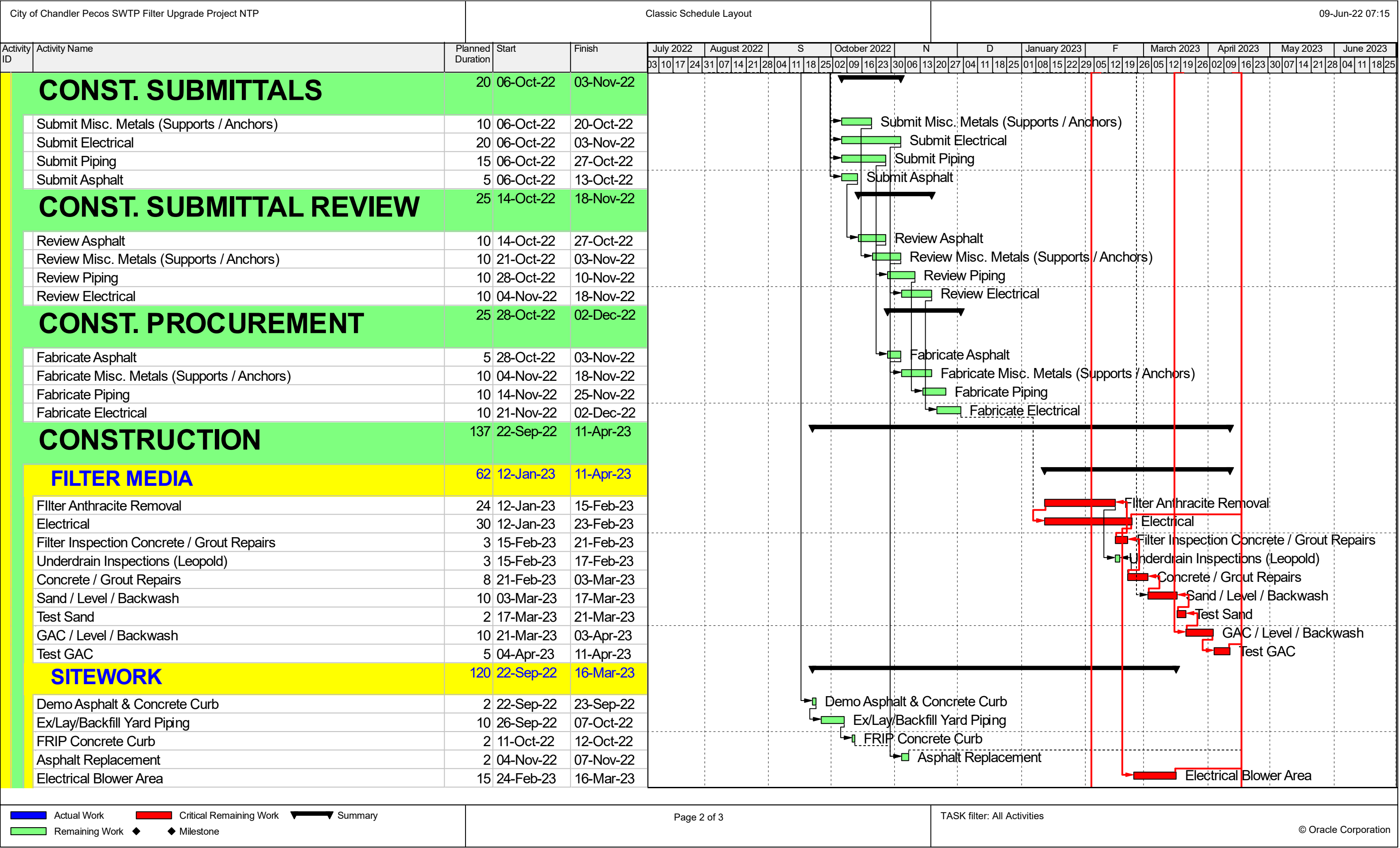


EXHIBIT C

PERFORMANCE BOND

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLES 28, 34, AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

(hereinafter "Principal"), and _____ (hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____ with its principal office in the City of _____, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto _____ (hereinafter "Obligee") in the amount of _____ (Dollars) (\$ _____), for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the _____ day of _____, 20__ for construction of **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1, WA2104.401** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copies at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice of the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all the undertakings, covenants, terms, conditions, and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 20__.

PRINCIPAL SEAL

AGENT OF RECORD

By _____

SURETY SEAL

AGENT ADDRESS

EXHIBIT D

PAYMENT BOND

ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLES 28, 34, AND 41, OF THE ARIZONA REVISED STATUTES
(Penalty of this Bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:_____

(hereinafter "Principal"), as Principal, and _____(hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____ with its principal office in the City of _____, holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto _____ (hereinafter "Obligee") in the amount of _____ (Dollars) (\$_____), for the payment whereof, the Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the _____ day of _____, 20__ for construction of **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1, WA2104.401** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all moneys due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in said contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2 Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 20__.

PRINCIPAL SEAL

AGENT OF RECORD

By _____

SURETY SEAL

AGENT ADDRESS

EXHIBIT E

CONTRACTOR'S AFFIDAVIT REGARDING SETTLEMENT OF CLAIMS

_____, Arizona

Date _____

Project Name: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1**

Project No.: **WA2104.401**

To the City of Chandler, Arizona

Gentlemen:

This is to certify that all lawful claims for materials, rental of equipment and labor used in connection with the construction of the above project, whether by subcontractor or claimant in person, have been duly discharged.

The undersigned, for the consideration of \$_____, as set out in the final pay estimate, as full and complete payment under the terms of the contract, hereby waives and relinquishes any and all further claims or right of lien under, in connection with, or as a result of the above described project. The undersigned further agrees to indemnify and save harmless the City of Chandler against any and all liens, claims or liens, suits, actions, damages, charges and expenses whatsoever, which said City may suffer arising out of the failure of the undersigned to pay for all labor performances and materials furnished for the performance of said installation.

Signed and dated at _____, this _____ day of _____ 20_____.

CONTRACTOR

By _____

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)

The foregoing instrument was subscribed and sworn to before me this _____ day of _____ 20_____.

Notary Public

My Commission Expires

EXHIBIT F

CERTIFICATE OF COMPLETION

Project: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 1**
Project No.: **WA2104.401**

(TO BE COMPLETED BY CONTRACTOR)

I HEREBY CERTIFY THAT ALL GOODS AND/OR SERVICES REQUIRED BY CITY OF CHANDLER PROJECT NO. **WA2104.401** HAVE BEEN DELIVERED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND BID SPECIFICATIONS AND ALL ACTIVITIES REQUIRED BY THE CONTRACTOR UNDER THE CONTRACT HAVE BEEN COMPLETED AS OF _____.

(Date)

FIRM NAME: _____

PRINCIPAL: _____

(Name)

(Signature)

(Title) DATE: _____

CERTIFIED BY ENGINEER/CONSULTANT (IF APPLICABLE):

(Signature) DATE: _____

(Firm Name)

PROJECT ACCEPTED BY USER DEPARTMENT

(Signature) DATE: _____

(Dept. /Div.)

Date of Final Walk-Through

Date As-Built Received

City As-Built Number