



CITY OF CHANDLER JOB ORDER PROJECT AGREEMENT

Project Name: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS
PHASE 2**

Project No. **WA2401.402**

This JOB ORDER PROJECT AGREEMENT ("Job Order") is made this _____ day of _____ 2023 ("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 for PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS PHASE 2 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 2**, Project Number **WA2401.402**. The scope of work consists of PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS PHASE 2, 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 **\$761,888.80** 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 **180** 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

ARTICLE 5. FORCED LABOR OF ETHNIC UYGHURS PROHIBITED By entering into this Agreement, Contractor certifies and agrees Contractor does not currently use and will not use for the term of this Agreement: (i) the forced labor of ethnic Uyghurs in the People's Republic of China; or (ii) any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or (iii) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

SIGNATURE PAGE TO FOLLOW

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

"CITY"
CITY OF CHANDLER:

MAYOR Date

Recommended By:

J. Warren White
Warren White, P.E.
Acting CIP City Engineer

APPROVED AS TO FORM:

City Attorney By: JWB

ATTEST:

City Clerk SEAL

"JOC CONTRACTOR"
PCL Construction, Inc.:

[Signature] 11/16/23
Signature Date

Richard Hewitt
Print Name Vice-President &
District Manager

Title

ATTEST: If Corporation

[Signature] Shawn W. Britton
Secretary Secretary / Treasurer

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 installation of sand media and GAC media and additions to the filter aid polymer system at the Pecos Surface Water Treatment.

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

1. Site Work:
 - a. Furnish & install new PVC Chemical Piping
 - b. Material haul offs
2. Demolition:
 - a. Allowance for Concrete Repairs identified by Team in Filters #5 - #8
 - b. Allowance for Underdrain Grout Repairs identified by Team in Filters #5 - #8
3. Metals:
 - a. Furnish & Install Pipe Supports, bases, and grout
4. Painting:
 - a. Painting of exposed piping and pipe identification/labels
5. Equipment:
 - a. Installation Polymer Metering Pump and Accessories
 - b. Installation new GAC Media
 - c. Installation new Sand Media
6. Exposed Piping as shown on contract drawings
7. Electrical and Instrumentation as shown on contract drawings
8. Testing / Start Up
 - a. Programming (By others)

**EXHIBIT B
FEE SCHEDULE**



CONSTRUCTION

**JOC 1915.401 - WA2401.402 PECOS SURFACE WATER TREATMENT PLANT
FILTER IMPROVEMENTS - PHASE 2
CONSTRUCTION**

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

Negotiated Prices		
Subcontractor(s)		\$ 217,119.00
Subconsultant(s)		\$ -
General Conditions		\$ 86,280.00
Preconstruction Labor (if applicable)		\$ -
Construction Labor (if applicable)		\$ 189,216.00
Materials and Equipment		\$ 60,445.00
SUBTOTAL (NEGOTIATED PRICES):		\$ 553,060.00
Overhead and Profit (Coefficient per Job Order Master Agreement)	8.00%	\$ 44,244.80
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT):		\$ 597,304.80
Insurance, Bonds, & Taxes		
Sales Tax Percentage (Current Tax Rate)*	5.07%	\$ 30,283.00
General Liability Insurance Percentage **		\$ 4,778.00
Builder's Risk Insurance Percentage **		\$ 701.00
Payment & Performance Bond**		\$ 3,822.00
SUBTOTAL (INSURANCE, BONDS, & TAXES):		\$ 39,584.00
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT + INSURANCE, BONDS, & TAXES):		\$ 636,888.80
City's Allowance		\$ 75,000.00
Contractor's Allowance		\$ 50,000.00
TOTAL JOB ORDER:		\$ 761,888.80
		\$ -

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.*



TABLE OF CONTENTS (EXHIBIT “B”)

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PROJECT SCHEDULE	TAB 6

SUBCONTRACTOR / SUPPLIER SCHEDULE

UNDER SEPARATE COVER



TAB 1

PROJECT CLARIFICATIONS / EXCLUSIONS

Clarifications and Assumptions

1. Proposal based off Contract Drawings City of Chandler Pecos Surface Water Treatment Plant Filter Improvements – Phase II (Dated October 2023).
2. Proposal based off Technical Specifications for Pecos Surface Water Treatment Plant Filter Improvements – Phase II (Dated October 2023).
3. Due to market conditions the project scheduled milestones will be determined on actual release dates.
4. Contractors' contingency of \$25,000 for concrete repairs included, based on a shallow repair of twenty (20) each at one (1) square foot and a rebar repair at twenty (20) each at four (4) square foot.
5. No underdrain work included. A contractors contingency included for Grout Repairs for \$25,000.
6. Replacement of Underdrain Caps not included.
7. Programming not included, only coordination with Programmer.
8. Electrical:
 - Stainless steel boxes will be provided and each valve for housing local controls, this will match installation from phase 1.
 - No conduit/conductor schedule provided in the drawings for control or instrumentation. These conduits are included and to match the installation from phase 1.
 - Disinfection building: Supply and terminate instrumentation matching what was installed from phase 1. Supply and install power and controls to pump. Supply and install Ridged Metal Conduit, wire, supports, and related fittings.

Exclusions:

1. Building Permits, fire department approval permit, utilities permitting, construction permit
2. VFD's for pumps
3. Pipe heat tracing and insulation
4. 3rd party testing – compaction testing / concrete / asphalt
5. Asphalt removal and replacement
6. Concrete removal and replacement
7. Yard piping, excavation, haul off.
8. Furnishing and installing Filter's 5,6,7, and 8 are PLC cabinets.
9. Furnishing and installing of mesh network panel
10. Furnishing and installing of Dis area PLC.
11. Furnishing and installing of any fiber optic raceways, fiber optic cabling, fiber optic terminations, fiber optic OTDR testing, or fiber optic patch panels.
12. Electrical 3rd party testing
13. Extended warranties



TAB 2

PRICE PROPOSAL DETAILED ESTIMATE



Date	October 30, 2023
Time	5:33:40 AM
BE Number	BE230075
Opportunity No	
Owner File No	
Estimator	Michael Cox

General Estimate Summary & Item Analysis Sheet

Project	COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5-8
Location	Chandler, AZ, USA
Owner	
Designer	

Bid Closing

Project Start	September 27, 2023
Completion	September 27, 2023



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) -

Location Chandler AZ, USA

Summary Page 1 of 2

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Michael Cox

General Estimate Summary

Sheet Name	Description	Quantity UOM	Labor			Equipment			Services/ Tools / Supplies		Material		Subcontract		Total Price	
			Hours	Rate	Total	Hours	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
DIRECT PRICE																
DIV 2	FILTER PREP AFTER REMOVAL	1 LS	248	61.93	15,360	24	---	3,597	---	2,700	---	---	---	---	---	21,657
DIV 11	EQUIPMENT	1 LS	528	61.93	32,701	64	---	9,592	---	20,700	---	---	---	71,460	---	134,454
DIV 15	MECHANICAL	1 LS	520	61.93	32,206	---	---	---	---	400	---	5,200	---	3,500	---	41,306
DIV 16	ELECTRICAL	1 LS	---	---	---	---	---	---	---	---	---	---	---	139,320	---	139,320
DIRECT PRICE			1,296	---	80,267	88	---	13,189	---	23,800	---	5,200	---	214,280	---	336,736
GENERAL EXPENSE PRICE																
FIXED GENERAL EXPENSE			1 LS													
GE 3	F1 MOBILIZE & DEMOBILIZE	100 %	---	---	---	---	---	---	8.20	820	---	---	---	---	8.20	820
GE 5	F3 CONST TEMP BLDGS-FACL	100 %	16	61.93	991	---	---	---	2.50	250	---	---	---	---	12.41	1,241
GE 8	F6 BOND	100 %	---	---	---	---	---	---	28.39	2,839	---	---	---	---	28.39	2,839
FIXED GENERAL EXPENSE			1 LS	16	---	991	---	---	---	3,909	---	---	---	---	---	4,900
VARIABLE GENERAL EXPENSE			1 LS													
GE 12	V2 OPERATE BLDGS-FACIL	100 %	---	---	---	692	12.31	1,231	---	---	---	---	---	---	12.31	1,231
GE 14	V4 OPERATE UTILITIES	100 %	---	---	---	---	---	---	54.44	5,444	---	---	---	---	54.44	5,444
GE 15	V5 OPERATE SUPPORT EQUIP	100 %	---	---	---	981	431.70	43,170	---	---	---	---	---	---	431.70	43,170
GE 17	V7 PROJECT STAFF	100 %	1,213	120.14	145,771	---	---	---	---	---	---	---	---	---	1,457.71	145,771
GE 19	V9 MANAGEMENT SERVICE	100 %	---	---	---	2,076	15.52	1,552	76.42	7,642	40.13	4,013	---	---	132.08	13,208
GE 20	V10 MISC JOB EXPENSE	100 %	---	---	---	---	---	---	10	1,000	---	---	---	---	10.00	1,000
GE 21	V11 EQUIP MAINTENANCE	100 %	---	---	---	---	---	---	16	1,600	---	---	---	---	16.00	1,600
VARIABLE GENERAL EXPENSE			1 LS	1,213	---	145,771	3,749	---	45,953	---	15,686	---	4,013	---	---	211,424
GENERAL EXPENSE PRICE			64.24% T.DC.	1,229	---	146,762	3,749	---	45,953	---	19,595	---	4,013	---	---	216,324
TOTAL PRICE			2,525	---	227,029	3,837	---	59,142	---	43,395	---	9,213	---	214,280	---	553,060
Fee		8.00% T.C.														44,245
Taxes / Bonds / Insurance																
1	Taxes / Bonds / Insurance	1 LS	---	---	---	---	---	---	---	39,584	---	---	---	---	---	39,584

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Proprietary and Confidential



CONSTRUCTION

BE Number BE230075
Opportunity No
Owner File No
Project
Location Chandler AZ, USA

COC Pecos SWTP Filter Improvements (Phase 2) -

General Estimate Summary

Summary Page 2 of 2
Oct 30, 2023
5:33:41 AM

Michael Cox

Sheet Name	Description	Quantity	UOM	Labor			Equipment			Services/ Tools / Supplies		Material		Subcontract		Total Price	
				Hours	Rate	Total	Hours	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
Taxes / Bonds / Insurance		64.24%	T.DC.	---	---	---	---	---	---	---	39,584	---	---	---	---	---	39,584
Contractors Contingency																	
2	Contractors Contingency	1	LS	---	---	---	---	---	---	---	50,000	---	---	---	---	---	50,000
Contractors Contingency		64.24%	T.DC.	---	---	---	---	---	---	---	50,000	---	---	---	---	---	50,000
Owners Allowance																	
3	Owners Allowance	1	LS	---	---	---	---	---	---	---	75,000	---	---	---	---	---	75,000
Owners Allowance		64.24%	T.DC.	---	---	---	---	---	---	---	75,000	---	---	---	---	---	75,000
TOTAL BID																	761,889



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

Detail Page 1 of 20

Oct 30, 2023

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Item Analysis Sheet

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DIV 2	FILTER PREP AFTER REMOVAL	1.00	LS
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Filter Media Removal included in Early Procurement																	
	Concrete Repairs	4	EA															
	After Media Removal a Team Inspection of the Filters will be done and limits of repairs will be identified																	
	Prep work to Setup Work Platform, Protect Underdrains and Prep for Concrete Repairs and Cleanup after completion of repairs																	
	Filter #5-#8 - Prep																	
	Confined Space	4	EA	0.167	6.000	24	SPC 61.93	1,486	---	---	---	---	---	---	---	---	371.60	1,486
	SP Crew	4	EA	0.042	24.000	96	SPC 61.93	5,946	---	---	---	---	---	---	---	---	1,486.43	5,946
	Work Platform	4	EA	---	---	---	---	---	---	---	300.00	1,200	---	---	---	---	300.00	1,200
	STS to Protect Underdrain	4	EA	---	---	---	---	---	---	---	125.00	500	---	---	---	---	125.00	500
	Cleanup Filter #5-#8																	
	SP Crew	4	EA	0.042	24.000	96	SPC 61.93	5,946	---	---	---	---	---	---	---	---	1,486.43	5,946
	Forklift, RT 8000# Reach	24	HR	1.000	1.000	---	---	---	149.88	3,597	---	---	---	---	---	---	149.88	3,597
	Concrete Repairs	4.00	EA	0.019	54.000	216	61.93	13,378	899.26	3,597	425.00	1,700	---	---	---	---	4,668.71	18,675
	Leopold Inspection	2	EA															
	Leopold Inspection included in Early Procurement																	
	SP Crew Assist Inspection	4	EA	0.125	8.000	32	SPC 61.93	1,982	---	---	---	---	---	---	---	---	495.48	1,982
	Leopold Inspection	2.00	EA	0.063	16.000	32	61.93	1,982	---	---	---	---	---	---	---	---	990.95	1,982
	Cleanup	100	%															
	Cleanup	1	LS	---	---	---	---	---	---	---	---	1,000	---	---	---	---	---	1,000
	Cleanup	100.00	%	---	---	---	---	---	---	---	10.00	1,000	---	---	---	---	10.00	1,000
	FILTER PREP AFTER REMOVAL	1.00	LS	---	---	248	61.93	15,360	---	3,597	---	2,700	---	---	---	---	---	21,657



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

DIV 11	EQUIPMENT	1.00	LS
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Metering Pump	1	EA															
	Metering Pump (1 Ea) Included in Procurement Proposal Assembly and Installatoin Pump installed on existing FRP Stand																	
	Assembling Metering Pumps	1	EA	0.125	8.000	8	SPC 61.93	495	---	---	---	---	---	---	---	---	495.48	495
	Install Metering Pump	1	EA	0.250	4.000	4	SPC 61.93	248	---	---	---	---	---	---	---	---	247.74	248
	SS Bolts & Nuts for Mounting, Teflon Tape, Etc.																	
	STS	1	EA	---	---	---	---	---	---	---	100.00	100	---	---	---	---	100.00	100
	Temp Protrection																	
	Materials	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Temp Protection	8	HR	1.000	1.000	8	SPC 61.93	495	---	---	---	---	---	---	---	---	61.93	495
	Testing																	
	Manuf. Services Trip																	
	Startup & Testing	3	DY	0.125	8.000	24	SPC 61.93	1,486	---	---	---	---	---	---	---	---	495.48	1,486
	Operational & Functional Testing																	
	Testing of Pump	2	DY	0.125	8.000	16	SPC 61.93	991	---	---	---	---	---	---	---	---	495.48	991
	Metering Pump	1.00	EA	0.017	60.000	60	61.93	3,716	---	---	300.00	300	---	---	---	---	4,016.07	4,016
	Filter Media Replacement (5-8)	1	LS															
	GAC Media	4	EA															
	GAC Media Provided and Installation - Subcontractor will Provide & Install into Filter Beds, PCL to perform the remaining scope. 72" of GAC (4-Filters 14' x 27' Two Cells Each - Filters 5-8) Confined Space, assume able to use Yard Hydrant at Filters to Control Dust																	
	Purchase of GAC is Included in Procurement Proposal																	
	Cleaning Filters Prior to Sand Media Install Water, Disinfected Boots & Gloves for Placemnt																	

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DIV 11	EQUIPMENT	1.00
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BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Oct 30, 2023

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Michael Cox

Item Analysis Sheet

DIV 11	EQUIPMENT	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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Cleaning Filters Prior to Sand Media Install	4	EA	0.042	24.000	96	SPC 61.93	5,946	---	---	---	---	---	---	---	---	1,486.41	5,946
	Media Placement STS	4	EA	---	---	---	---	---	---	---	150.00	600	---	---	---	---	150.00	600
	Marking of Filters	4	EA	0.125	8.000	32	SPC 61.93	1,982	---	---	---	---	---	---	---	---	495.48	1,982
	Install GAC Media																	
	Carbon Activated	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	58,560	---	58,560
	Testing of GAC Media																	
	Testing Lab (Initial, After Backwash)	1	LS	---	---	---	---	---	---	---	---	8,000	---	---	---	---	---	8,000
	Backwash Sand Media (Min. 3)	4	EA	0.083	12.000	48	SPC 61.93	2,973	---	---	---	---	---	---	---	---	743.22	2,973
	Top Layer Removal	4	EA	0.083	12.000	48	SPC 61.93	2,973	---	---	---	---	---	---	---	---	743.22	2,973
	Confined Space Watch	4	EA	0.167	6.000	24	SPC 61.93	1,486	---	---	---	---	---	---	---	---	371.61	1,486
	Forklift, RT 8000# Reach	4	EA	0.250	4.000	---	---	---	149.88	2,398	---	---	---	---	---	---	599.51	2,398
	Filter Component Verifications																	
	Trough Check-Out	4	EA	0.040	25.000	100	SPC 61.93	6,193	---	---	---	---	---	---	---	---	1,548.36	6,193
	Forklift, RT 8000# Reach	4	EA	0.125	8.000	---	---	---	149.88	4,796	---	---	---	---	---	---	1,199.02	4,796
	GAC Media	4.00	EA	0.011	87.000	348	61.93	21,553	1,798.52	7,194	2,150.00	8,600	---	---	14,640.00	58,560	23,976.81	95,907
	Sand Filter Media	4	EA															
	12" of Sand Media under 72" of GAC (4-Filters 14' x 27' Two Cells Each - Filters 5-8)																	
	Confined Space, Assume able to use Yard Hydrant at Filters to control dust.																	
	Sand Media Purchase included in Procurement Proposal																	
	Cleaning Filters After Sand Media Install																	
	Media Placement STS	4	EA	---	---	---	---	---	---	---	200.00	800	---	---	---	---	200.00	800
	Install Sand Media																	
	Carbon Activated	8	EA	---	---	---	---	---	---	---	---	---	---	---	1,012.50	8,100	1,012.50	8,100
	Testing of Sand Media (Independent Lab Tests)																	
	Testing Lab	1	LS	---	---	---	---	---	---	---	---	10,000	---	---	---	---	---	10,000
	Backwash Sand Media (3 Backwashes Min.)	4	EA	0.083	12.000	48	SPC 61.93	2,973	---	---	---	---	---	---	---	---	743.22	2,973
	Top Layer Removal	4	EA	0.083	12.000	48	SPC 61.93	2,973	---	---	---	---	---	---	---	---	743.22	2,973

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DIV 11	EQUIPMENT	1.00
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BE Number BE230075

Opportunity No

Owner File No

Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**

Location Chandler, AZ, USA

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Oct 30, 2023

5:33:41 AM

Michael Cox

Item Analysis Sheet

Proprietary and Confidential

DIV 11	EQUIPMENT	1.00	LS
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Confined Space Watch	4	EA	0.167	6.000	24 ^{SPC}	61.93	1,486	---	---	---	---	---	---	---	---	371.61	1,486
	Forklift, RT 8000# Reach	4	EA	0.250	4.000	---	---	---	149.88	2,398	---	---	---	---	---	---	599.51	2,398
	Disinfect Filters																	
	Disinfection Sub	4	EA	---	---	---	---	---	---	---	---	---	---	---	1,200.00	4,800	1,200.00	4,800
	Sand Filter Media	4.00	EA	0.033	30.000	120	61.93	7,432	599.51	2,398	2,700.00	10,800	---	---	3,225.00	12,900	8,382.55	33,530
	Filter Media Replacement (5-8)	1.00	LS	---	---	468	61.93	28,985	---	9,592	---	19,400	---	---	---	71,460	---	129,437
	Cleanup	100	%															
	Cleanup	1	LS	---	---	---	---	---	---	---	---	1,000	---	---	---	---	---	1,000
	Cleanup	100.00	%	---	---	---	---	---	---	---	10.00	1,000	---	---	---	---	10.00	1,000
	EQUIPMENT	1.00	LS	---	---	528	61.93	32,701	---	9,592	---	20,700	---	---	---	71,460	---	134,454



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

DIV 15 MECHANICAL 1.00 LS

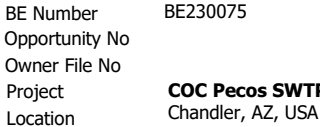
Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Exposed Pipe	1	LS															
	Relocating Basins 1-4 1" FAP Piping / Panels																	
	Relocating Basins 1-4 1" FAP Piping / Panels	4	EA	---	---	---	---	---	---	---	---	---	300.00	1,200	---	---	300.00	1,200
	Purchase Pipe Materials	1	LS															
	Purchase Pipe - ALB	1	LS	---	---	---	---	---	---	---	---	---	---	4,000	---	---	---	4,000
	Unload & Store Materials																	
	Pipe Crew	4	HR	0.500	2.000	8	SPC 61.93	495	---	---	---	---	---	---	---	---	123.87	495
	Purchase Pipe Materials	1.00	LS	---	---	8	61.93	495	---	---	---	---	---	4,000	---	---	---	4,495
	Temporary Pipe Materials	1	LS															
	STS - Installation	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	STS - Testing	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Temporary Pipe Materials	1.00	LS	---	---	---	---	---	---	---	---	400	---	---	---	---	---	400
	Install Piping	1	LS															
	Process Pipe Install	480	HR	1.000	1.000	480	SPC 61.93	29,729	---	---	---	---	---	---	---	---	61.93	29,729
	Install Piping	1.00	LS	---	---	480	61.93	29,729	---	---	---	---	---	---	---	---	---	29,729
	Pipe Testing	4	EA															
	Test Pipe Crew	4	EA	0.125	8.000	32	SPC 61.93	1,982	---	---	---	---	---	---	---	---	495.48	1,982
	Pipe Testing	4.00	EA	0.125	8.000	32	61.93	1,982	---	---	---	---	---	---	---	---	495.48	1,982

U01 STANDARD-LANDSCAPE-MASTER.RPT

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DIV 15 MECHANICAL 1.00



BE Number	BE230075
Opportunity No	
Owner File No	
Project	COC Pecos SWTI
Location	Chandler, AZ, USA

COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

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Michael Cox

Proprietary and Confidential

Item Analysis Sheet

DIV 15	MECHANICAL	1.00	LS
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[illegible]

DIV 15	MECHANICAL	1.00
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BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

Item Analysis Sheet

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Michael Cox

DIV 16	ELECTRICAL	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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	AME Electrical	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	139,320	---	139,320
	ELECTRICAL	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	139,320	---	139,320



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

Proprietary and Confidential

GE 3	F1 MOBILIZE & DEMOBILIZE	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	MOBILIZE	100	%															
	Freight In	100	%															
	Equipment Freight -IN	1	LS	---	---	---	---	---	---	---	---	410	---	---	---	---	---	410
	Freight In	100.00	%	---	---	---	---	---	---	---	4.10	410	---	---	---	---	4.10	410
	MOBILIZE	100.00	%	---	---	---	---	---	---	---	4.10	410	---	---	---	---	4.10	410
	DEMOBILIZE	100	%															
	Freight Out	100	%															
	Equipment Freight -OUT	1	LS	---	---	---	---	---	---	---	---	410	---	---	---	---	---	410
	Freight Out	100.00	%	---	---	---	---	---	---	---	4.10	410	---	---	---	---	4.10	410
	DEMOBILIZE	100.00	%	---	---	---	---	---	---	---	4.10	410	---	---	---	---	4.10	410
	F1 MOBILIZE & DEMOBILIZE	100.00	%	---	---	---	---	---	---	---	8.20	820	---	---	---	---	8.20	820

GE 3	F1 MOBILIZE & DEMOBILIZE	100.00
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BE Number BE230075

Opportunity No

Owner File No

Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

Proprietary and Confidential

GE 5	F3 CONST TEMP BLDGS-FACL	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit
Set-Up Connex		100 %															
Set-up costs for Connex																	
	Set Up Container-Labor	16 HR		1.000	1.000	16	SPC 61.93	991	---	---	---	---	---	---	---	61.93	991
	Set Up Container-Materia	1 LS		---	---	---	---	---	---	---	250	---	---	---	---	---	250
Set-Up Connex		100.00 %		6.250	0.160	16	61.93	991	---	---	2.50	250	---	---	---	12.41	1,241
F3 CONST TEMP BLDGS-FACL		100.00 %		6.250	0.160	16	61.93	991	---	---	2.50	250	---	---	---	12.41	1,241



BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

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Item Analysis Sheet

Michael Cox

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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	SUBCONTRACT BOND	100	%															
	Sub-Contract	214,280	SC	---	---	---	---	---	---	---	0.013250	2,839	---	---	---	---	0.013250	2,839
	SUBCONTRACT BOND	100.00	%	---	---	---	---	---	---	---	28.39	2,839	---	---	---	---	28.39	2,839
	F6 BOND	100.00	%	---	---	---	---	---	---	---	28.39	2,839	---	---	---	---	28.39	2,839

GE 8	F6 BOND	100.00
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BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

GE 12	V2 OPERATE BLDGS-FACIL	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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Oper Trailers & Vans	100	%															
	Tcon Tool 8'x40' - C	4	MO	1.000	1.000	---	---	---	1.78	1,231	---	---	---	---	---	---	307.64	1,231
	Oper Trailers & Vans	100.00	%	---	---	---	---	---	12.31	1,231	---	---	---	---	---	---	12.31	1,231
	V2 OPERATE BLDGS-FACIL	100.00	%	---	---	---	---	---	---	1,231	---	---	---	---	---	---	12.31	1,231

GE 12	V2 OPERATE BLDGS-FACIL	100.00
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BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

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Item Analysis Sheet

Michael Cox

GE 14	V4 OPERATE UTILITIES	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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
Site Services		100	%															
	Portable Toilets w/ HW Stations	4	MO	---	---	---	---	---	---	---	561.00	2,244	---	---	---	---	561.00	2,244
	Garbage Pickup	4	MO	---	---	---	---	---	---	---	800.00	3,200	---	---	---	---	800.00	3,200
Site Services		100.00	%	---	---	---	---	---	---	---	54.44	5,444	---	---	---	---	54.44	5,444
V4 OPERATE UTILITIES		100.00	%	---	---	---	---	---	---	---	54.44	5,444	---	---	---	---	54.44	5,444

GE 14	V4 OPERATE UTILITIES	100.00
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BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

Proprietary and Confidential

GE 15	V5 OPERATE SUPPORT EQUIP	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
VEHICLES		100 %																
Cars & Pickups		100 %																
	Trc Pickup 4x2	4 MO	1.000	1.000	---	---	---	44.13	30,539	---	---	---	---	---	---	---	7,634.83	30,539
	Safety Coordinator Trc Pickup 4x2	1 MO	1.000	1.000	---	---	---	44.13	7,635	---	---	---	---	---	---	---	7,634.83	7,635
Cars & Pickups		100.00 %	---	---	---	---	---	381.74	38,174	---	---	---	---	---	---	---	381.74	38,174
VEHICLES		100.00 %	---	---	---	---	---	381.74	38,174	---	---	---	---	---	---	---	381.74	38,174
EQUIPMENT		100 %																
Compressors		100 %																
	Comp 185 CFM Diesel	0.67 MO	1.000	1.000	---	---	---	43.10	4,996	---	---	---	---	---	---	---	7,456.95	4,996
Compressors		100.00 %	---	---	---	---	---	49.96	4,996	---	---	---	---	---	---	---	49.96	4,996
EQUIPMENT		100.00 %	---	---	---	---	---	49.96	4,996	---	---	---	---	---	---	---	49.96	4,996
V5 OPERATE SUPPORT EQUIP		100.00 %	---	---	---	---	---	43,170		---	---	---	---	---	---	---	431.70	43,170

GE 15	V5 OPERATE SUPPORT EQUIP	100.00
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BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Item Analysis Sheet

Proprietary and Confidential

GE 17	V7 PROJECT STAFF	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Management	100 %																
	Project Manager	1	MO	1.000	1.000	173	ST1 133.85	23,201	---	---	---	---	---	---	---	---	23,200.61	23,201
	Management	100.00 %		0.577	1.733	173	133.85	23,201	---	---	---	---	---	---	---	---	232.01	23,201
	Engineering & Survey	100 %																
	Proj Eng.	1	MO	1.000	1.000	173	EN1 93.53	16,212	---	---	---	---	---	---	---	---	16,211.85	16,212
	Engineering & Survey	100.00 %		0.577	1.733	173	93.53	16,212	---	---	---	---	---	---	---	---	162.12	16,212
	Supervision	100 %																
	Structure Supt.	4	MO	1.000	1.000	693	SU1 130.02	90,147	---	---	---	---	---	---	---	---	22,536.78	90,147
	Supervision	100.00 %		0.144	6.933	693	130.02	90,147	---	---	---	---	---	---	---	---	901.47	90,147
	Safety Coordinator	100 %																
	Safety	1	MO	1.000	1.000	173	EN3 93.53	16,212	---	---	---	---	---	---	---	---	16,211.85	16,212
	Safety Coordinator	100.00 %		0.577	1.733	173	93.53	16,212	---	---	---	---	---	---	---	---	162.12	16,212
	V7 PROJECT STAFF	100.00 %		0.082	12.133	1,213	120.14	145,771	---	---	---	---	---	---	---	---	1,457.71	145,771



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Item Analysis Sheet

Proprietary and Confidential

GE 19	V9 MANAGEMENT SERVICE	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit
First Aid & Safety STS		100 %															
	Medical/Drug Testing	5 EA		---	---	---	---	---	---	75.00	375	---	---	---	---	75.00	375
5% Safety Assessment (Total Hourly Labor Price)																	
	Safety Assessment	1 EA		---	---	---	---	---	---	---	---	4,013.35	4,013	---	---	4,013.35	4,013
	Training & Orientation	5 EA		---	---	---	---	---	---	35.00	175	---	---	---	---	35.00	175
	F.A. & Safety Supplies	1 LS		---	---	---	---	---	---	---	313	---	---	---	---	---	313
	Fire Protection	1 LS		---	---	---	---	---	---	---	183	---	---	---	---	---	183
	Water Coolers	1 EA		---	---	---	---	---	---	50.00	50	---	---	---	---	50.00	50
	Drinking Water & Ice	4 MO		---	---	---	---	---	---	200.00	800	---	---	---	---	200.00	800
	Air Monitors	4 MO	1.000	1.000	---	---	0.9263	641	---	---	---	---	---	---	---	160.25	641
	Rescue Tripod w/yo yo	4 MO	1.000	1.000	---	---	0.9263	641	---	---	---	---	---	---	---	160.25	641
	Yo Yo Winch	4 MO	1.000	1.000	---	---	0.3906	270	---	---	---	---	---	---	---	67.57	270
First Aid & Safety STS		100.00 %		---	---	---	---	15.52	1,552	18.96	1,896	40.13	4,013	---	---	74.62	7,462
Expendables		100 %															
	Expendables Assess	1 LS		---	---	---	---	---	---	---	1,828	---	---	---	---	---	1,828
	Small Tools	1 LS		---	---	---	---	---	---	---	3,918	---	---	---	---	---	3,918
Expendables		100.00 %		---	---	---	---	---	---	57.46	5,746	---	---	---	---	57.46	5,746
V9 MANAGEMENT SERVICE		100.00 %		---	---	---	---	1,552	76.42	7,642	40.13	4,013	---	---	132.08	13,208	

U01 STANDARD-LANDSCAPE-MASTER.RPT

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GE 19	V9 MANAGEMENT SERVICE	100.00
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BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

Proprietary and Confidential

GE 20	V10 MISC JOB EXPENSE	100.00	%
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Public Relations	100	%															
	Project Signs	1	EA	---	---	---	---	---	---	---	1,000.00	1,000	---	---	---	---	1,000.00	1,000
	Public Relations	100.00	%	---	---	---	---	---	---	---	10.00	1,000	---	---	---	---	10.00	1,000
	V10 MISC JOB EXPENSE	100.00	%	---	---	---	---	---	---	---	10.00	1,000	---	---	---	---	10.00	1,000

GE 20	V10 MISC JOB EXPENSE	100.00
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BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

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Item Analysis Sheet

Michael Cox

GE 21	V11 EQUIP MAINTENANCE	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 Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Service Labor	100	%															
	Outside Service Labor	16	HR	---	---	---	---	---	---	---	100.00	1,600	---	---	---	---	100.00	1,600
	Service Labor	100.00	%	---	---	---	---	---	---	---	16.00	1,600	---	---	---	---	16.00	1,600
	V11 EQUIP MAINTENANCE	100.00	%	---	---	---	---	---	---	---	16.00	1,600	---	---	---	---	16.00	1,600

GE 21	V11 EQUIP MAINTENANCE	100.00
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BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

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Michael Cox

Item Analysis Sheet

Proprietary and Confidential

1	Taxes / Bonds / Insurance	1.00	LS
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No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	US CONTRACT BOND Class B	100	%															
	US CONTRACT BOND Class B	1	LS	---	---	---	---	---	---	---	---	3,822	---	---	---	---	---	3,822
	US CONTRACT BOND Class B	100.00	%	---	---	---	---	---	---	---	38.22	3,822	---	---	---	---	38.22	3,822
	General Liability	100	%															
	Gen Liab-USA 8.00/M	1	LS	---	---	---	---	---	---	---	---	4,778	---	---	---	---	---	4,778
	General Liability	100.00	%	---	---	---	---	---	---	---	47.78	4,778	---	---	---	---	47.78	4,778
	Builders Risk Insurance	100	%															
	Builders Risk	1	LS	---	---	---	---	---	---	---	---	701	---	---	---	---	---	701
	Builders Risk Insurance	100.00	%	---	---	---	---	---	---	---	7.01	701	---	---	---	---	7.01	701
	TAXES	100	%															
	Arizona Gross Receipts Tax	1	LS	---	---	---	---	---	---	---	---	30,283	---	---	---	---	---	30,283
	TAXES	100.00	%	---	---	---	---	---	---	---	302.83	30,283	---	---	---	---	302.83	30,283
	Taxes / Bonds / Insurance	1.00	LS	---	---	---	---	---	---	---	---	39,584	---	---	---	---	---	39,584

1	Taxes / Bonds / Insurance	1.00
---	---------------------------	------



BE Number BE230075

Opportunity No

Owner File No

Project COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5

Location Chandler, AZ, USA

Detail Page 19 of 20

Oct 30, 2023

5:33:42 AM

Michael Cox

Item Analysis Sheet

Proprietary and Confidential

2	Contractors Contingency	1.00	LS
---	-------------------------	------	----

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Price	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Filter Concrete Repairs	1	LS															
	Concrete Repair	1	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	This will be an Allowance Due to Unknown Scope																	
	Repair (1 Sq Ft Shallow - Type I)																	
	Repair (4 Sq Ft with Rebar - Type II)																	
	Mob for Concrete Repair Contractor																	
	Filter Concrete Repairs	1.00	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	Underdrain Grout Repairs	1	LS															
	Grout Repairs	1	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	This will be an Allowance Due to Unknown Scope																	
	Underdrain Grout Repairs	1.00	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	Contractors Contingency	1.00	LS	---	---	---	---	---	---	---	---	50,000	---	---	---	---	---	50,000

2	Contractors Contingency	1.00
---	-------------------------	------



BE Number BE230075
Opportunity No
Owner File No
Project **COC Pecos SWTP Filter Improvements (Phase 2) - Filters 5**
Location Chandler, AZ, USA

Detail Page 20 of 20
Oct 30, 2023
5:33:42 AM

Item Analysis Sheet

Michael Cox

3	Owners Allowance	1.00	LS
---	------------------	------	----

Proprietary and Confidential

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

3	Owners Allowance	1.00
---	------------------	------



TAB 3 EQUIPMENT SCHEDULE

EQUIPMENT

EQUIPMENT	Bluebook Rates (\$/hr)
Pick Up Truck 4x2	\$44.13
8K Reach Forklift	\$149.88
Tool Connex	\$1.78
Compressor 185 CFM	\$43.10

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

Adjustments for Pickup truck F-250 XL 4x2 Gas in All Saved Models

October 10, 2023

Ford SUPER DUTY F-250 XL 4X2 GAS

Light Duty Trucks

Size Class:

2

Weight:

N/A



Configuration for SUPER DUTY F-250 XL 4X2 GAS

Power Mode

Gasoline

Wheelbase

Model Trim

XL

Gross Vehicle Weight Rating

142 Inches

10000 Pounds

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$2,475.00	USD \$695.00	USD \$175.00	USD \$26.00	USD \$30.14	USD \$44.20
Adjustments						
Region (Arizona: 99.5%)	(USD \$12.38)	(USD \$3.47)	(USD \$0.88)	(USD \$0.13)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,462.63	USD \$691.53	USD \$174.13	USD \$25.87	USD \$30.14	USD \$44.13

Non-Active Use Rates

Hourly

Standby Rate

USD \$7.70

Idling Rate

USD \$34.71

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$569.25/mo
Overhaul (ownership)	45%	USD \$1,113.75/mo
CFC (ownership)	16%	USD \$396.00/mo
Indirect (ownership)	16%	USD \$396.00/mo
Fuel (operating) @ USD 3.87	68.75%	USD \$20.72/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ (gwojtulewicz@pcl.com)

Adjustments for Reach forks 8k in All Saved Models

October 10, 2023

Sky Trak 8042

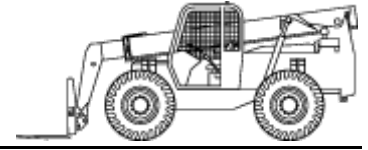
Telescoping Boom Rough Terrain Lift Trucks

Size Class:

3.6 - 3.9 mt

Weight:

26230 lbs



Configuration for 8042

Base Capacity	8000.0 lbs	Horsepower	100.0 hp
Maximum Lift Height	503.0 in	Maximum Reach	319.0 in
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$16,310.00	USD \$4,565.00	USD \$1,140.00	USD \$170.00	USD \$57.30	USD \$149.97
Adjustments						
Region (Arizona: 99.9%)	(USD \$16.31)	(USD \$4.57)	(USD \$1.14)	(USD \$0.17)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$16,293.69	USD \$4,560.44	USD \$1,138.86	USD \$169.83	USD \$57.30	USD \$149.88

Non-Active Use Rates

	Hourly
Standby Rate	USD \$34.25
Idling Rate	USD \$104.91

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	14%	USD \$2,283.40/mo
Overhaul (ownership)	63%	USD \$10,275.30/mo
CFC (ownership)	11%	USD \$1,794.10/mo
Indirect (ownership)	12%	USD \$1,957.20/mo
Fuel (operating) @ USD 4.39	21.52%	USD \$12.33/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ
(gwojtulewicz@pcl.com)

Adjustments for Office connex 20' in All Saved Models

October 10, 2023

Miscellaneous 8X20

Standard Field Office Trailers

Size Class:

All

Weight:

2900 lbs



Configuration for 8X20

Trailer Size 8' X 20'

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$185.00	USD \$52.00	USD \$13.00	USD \$2.00	USD \$0.73	USD \$1.78
Adjustments						
Region (Arizona: 100.3%)	USD \$0.56	USD \$0.16	USD \$0.04	USD \$0.01		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$185.55	USD \$52.16	USD \$13.04	USD \$2.01	USD \$0.73	USD \$1.78

Non-Active Use Rates

	Hourly
Standby Rate	USD \$0.80
Idling Rate	USD \$1.05

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	USD \$86.95/mo
Overhaul (ownership)	24%	USD \$44.40/mo
CFC (ownership)	14%	USD \$25.90/mo
Indirect (ownership)	15%	USD \$27.75/mo

Fuel cost data is not available for these rates.

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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(gwojtulewicz@pcl.com)

Adjustments for Air compressor 185cfm in All Saved Models

October 10, 2023

Sullair 185

Portable Rotary Screw Air Compressors

Size Class:

125 - 249 cu ft/min

Weight:

2130 lbs


Configuration for 185

 Air Delivery Rating
Power Mode

185.0 cu ft/min
Diesel

Horsepower

61.0

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,535.00	USD \$990.00	USD \$250.00	USD \$38.00	USD \$23.03	USD \$43.12
Adjustments						
Region (Arizona: 99.9%)	(USD \$3.54)	(USD \$0.99)	(USD \$0.25)	(USD \$0.04)		
Model Year (2023: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,531.47	USD \$989.01	USD \$249.75	USD \$37.96	USD \$23.03	USD \$43.10

Non-Active Use Rates

Standby Rate

Hourly

USD \$6.42

Idling Rate

USD \$29.71

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	14%	USD \$494.90/mo
Overhaul (ownership)	68%	USD \$2,403.80/mo
CFC (ownership)	10%	USD \$353.50/mo
Indirect (ownership)	8%	USD \$282.80/mo
Fuel (operating) @ USD 4.39	41.86%	USD \$9.64/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ
(gwojtulewicz@pcl.com)



TAB 4 LABOR SCHEDULE

ATTACHMENT A

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

Craft Classification	PCL Standard Rates(\$/hr)
Foreman	\$ 87.71
Laborer	\$ 46.17
Operator (Backhoe, Forklift)	\$ 56.93
Carpenter	\$ 56.93

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



TAB 5 SCHEDULE OF VALUES

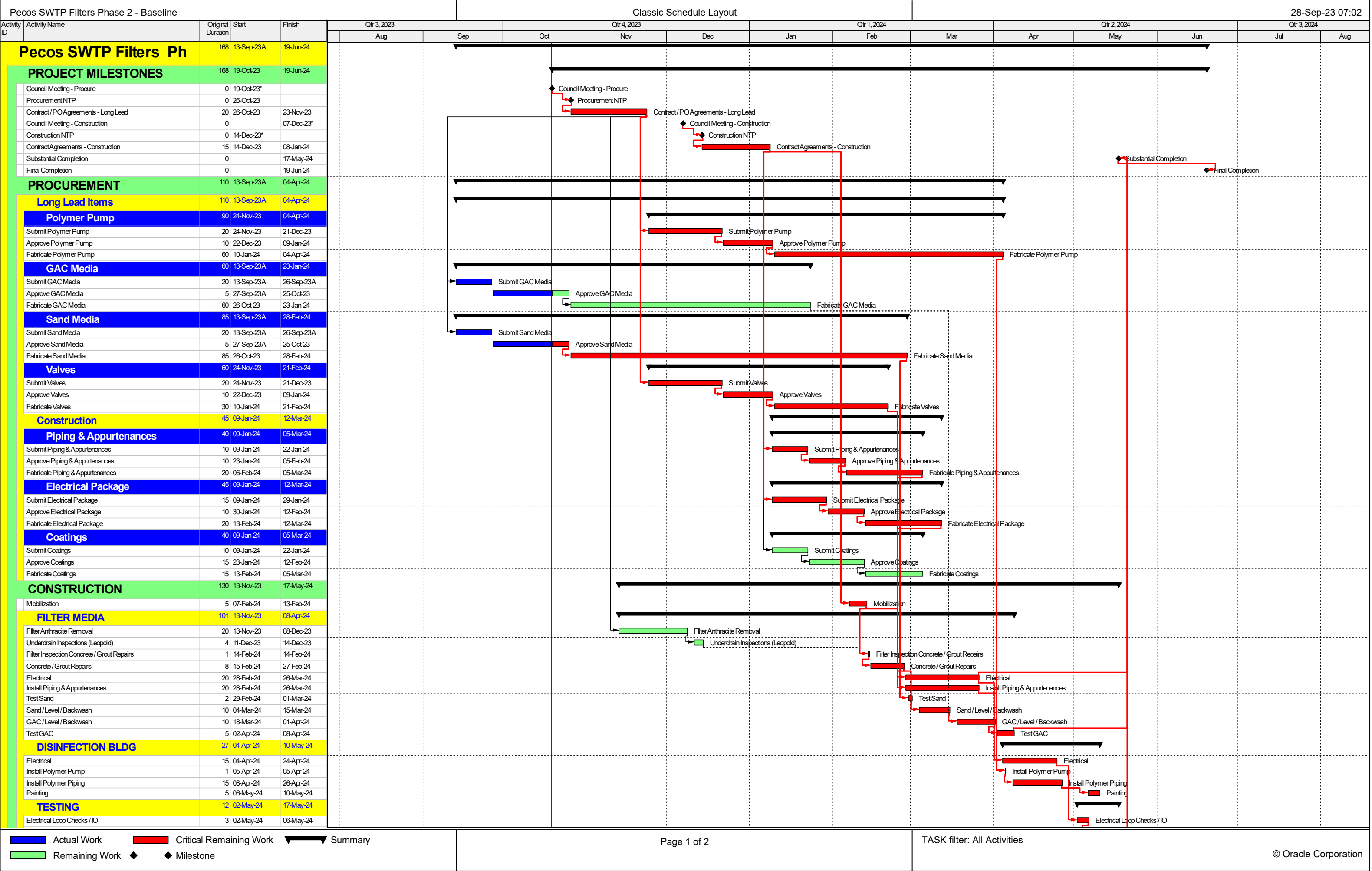
SOV - JOC1915.401 WATER & WASTEWATER FACILITIES RENOVATIONS AND REPAIRS

WA2401.402 - PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS PHASE 2 - CONSTRUCTION JOC

-A- Item No.	-B- Description of Work	Unit	Unit Price	-C- Original Schedule Value	-D- Previous Application	-E- This Period	-F- Stored Materials	-G- Total To Date	%	-H- Balance To Finish
	Construction Services									
1	Mob & Demob	1	LS	10,000.00	0	0.00	0	0.00	0%	10,000.00
2	Filter Basin Cleanup & Inspection Assist	1	LS	30,000.00	0	0.00	0	0.00	0%	30,000.00
3	Metering Pump Installation	1	LS	10,000.00	0	0.00	0	0.00	0%	10,000.00
4	GAC Media Install & Checkout	1	LS	100,000.00	0	0.00	0	0.00	0%	100,000.00
5	Sand Media Install & Checkout	1	LS	75,000.00	0	0.00	0	0.00	0%	75,000.00
6	Polymer Aid Piping Install	1	LS	65,000.00	0	0.00	0	0.00	0%	65,000.00
7	Painting	1	LS	10,000.00	0	0.00	0	0.00	0%	10,000.00
8	Electrical	1	LS	160,000.00	0	0.00	0	0.00	0%	160,000.00
14	General Conditions	1	LS	176,888.80	0	0.00	0	0.00	0%	176,888.80
	Contingencies									
16	Filter Concrete Repairs	1	LS	25,000.00	0	0.00	0	0.00	0%	25,000.00
17	Underdrain Grout Repairs	1	LS	25,000.00	0	0.00	0	0.00	0%	25,000.00
19	Owners Allowance	1	LS	75,000.00	0	0.00	0	0.00	0%	75,000.00
	TOTALS			761,888.80	0	0	0	0	0%	761,888.80



TAB 6 PROJECT SCHEDULE



Pecos SWTP Filters Phase 2 - Baseline

Classic Schedule Layout

28-Sep-23 07:02

Activity ID	Activity Name	Original Duration	Start	Finish	Qtr 3, 2023		Qtr 4, 2023			Qtr 1, 2024			Qtr 2, 2024		Qtr 3, 2024	
					Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
1	Functional Testing	5	07-May-24	13-May-24												
	Operational Testing	4	14-May-24	17-May-24												

Actual Work

Critical Remaining Work

Summary

Remaining Work

Milestone

Page 2 of 2

TASK filter: All Activities

© Oracle Corporation

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 2, WA2401.402** 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__.

AGENT OF RECORD

PRINCIPAL SEAL

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 2, WA2401.402** 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 2**

Project No.: **WA2401.402**

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 2**
Project No.: **WA2401.402**

(TO BE COMPLETED BY CONTRACTOR)

I HEREBY CERTIFY THAT ALL GOODS AND/OR SERVICES REQUIRED BY CITY OF CHANDLER PROJECT NO. **WA2401.402** 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

EXHIBIT G

SUBCONTRACTOR DOCUMENTS WITH JOC CONTRACTOR

Any subcontractor assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the JOC Contractor and their subcontractors, and do not apply to the Agreement between the JOC Contractor and the City.



SUBCONTRACTOR / SUPPLIER SCHEDULE

List of Major Subcontractors/Suppliers

[illegible]



Pecos SWTP Filter Improvements – Phase 2
City of Chandler – Project No. WA2401.402

PRICE PROPOSAL USED



Date: October 18, 2023

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 Phase 2

Plans Dated: 60% Design

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 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-FE/FIT-3505
 - PWTP-PLY-FLT-FE/FIT-3506
 - PWTP-PLY-FLT-FE/FIT-3507
 - PWTP-PLY-FLT-FE/FIT-3508
 - The following valves are to be connected per the drawings: Valves are supplied and installed by others.
 - PWTP-PLY-FLT-VLV-3505
 - PWTP-PLY-FLT-VLV-3506
 - PWTP-PLY-FLT-VLV-3507
 - PWTP-PLY-FLT-VLV-3508
 - Stainless steel boxes to be provided at each valve for housing the local controls, this will match the installation on Filters 1-4
 - 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.
 - No conduit/conductor schedule was provided in the drawings for control or instrumentation. These conduits are included in our price matching the installation of Phase 1.
 - Perform startup of the above items and assist integration with PLC.



- Disinfection Building
 - Supply and terminate as applicable the following instruments, installation by others:
 - PWTP-PLY-PI-3503
 - PWTP-PLY-PSH-3503
 - Above two items are provided with a diaphragm seal on common tree, matching what is provided in Phase 1.
 - PWTP-PLY-FSL-3502
 - Supply and install power and controls to pump. Pump supplied and installed by others.
 - Supply and install Rigid Metal Conduit, wire, supports, and related fittings for above equipment in Blower Building Electrical Room; PVC Schedule 80 to be provided in Polymer Room.
 - No conduit/conductor schedule was provided in the drawings for control or instrumentation. These conduits are included in our price matching the installation of Phase 1.
 - 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.
- Pricing to be honored for 90 days from the date of this proposal.

Total Price: \$ 139,320.00





CARBON ACTIVATED CORP. USA

2250 SOUTH CENTRAL AVE,
COMPTON,CA 90220

Quotation

Date	Quotation No.
10/11/2023	8652

Name / Address
PCL Construction Inc. 1711 W. Greentree Drive Suite# 201 Tempe, AZ 85284

Ship To
City of Chandler Pecos SWTP 1475 E. Pecos Road Chandler, AZ 85286 Att: Kevin Roach

Attention To	Terms	valid Until	FOB	Ship Via	Rep
Kevin Roach	NET 30	11/10/2023			

Item	Description	Ordered	Rate	Amount
321-AZ	GAC Installation Services (2,268ft3/Cell) In 3 Layers	8	7,320.00	58,560.00
321-AZ	Filter Sand Installation Services	8	1,012.50	8,100.00
	Please Note: This quotation is based one mobilization for the GAC installation services on all 8 Filter Cells. Backwashing each layer to be done by the City Personnel in a reasonable time frame. Skimming each GAC filter layer not included in this quotation as it not recommended by AWWA-604 Section 8.2 – Scrapping.			
	VALID 90 DAYS			
	Sales Tax		5.60%	0.00
Total				\$66,660.00



Pecos SWTP Filter Improvements – Phase 2
City of Chandler – Project No. WA2401.402

PRICE PROPOSAL NOT USED



10/19/2023
COC SWTP Filters
Page 1 of 2

PCL Construction
Attn: Michael Cox

DP Electric Inc. is pleased to provide you with a Proposal for the above referenced project. This proposal is based on Drawings dated October 2023.

Electrical.....\$240,000.00
Alternate Option.....\$208,000.00

Alternate Option combines power circuits for FIT's and VLV's to limit the conduit from (8) to (4)

Qualification Notes:

1. Investigation
2. Provide and Install (3) 20Amp Breakers in Existing Panelboard LP-DIS-1
3. Provide and Install (1) ¾" PVC Schedule 40 from LP-DIS-1 to new PWTP-PLY-PMP-3503
4. Provide and Install (1) ¾" PVC Schedule 40 from DIS Area PLC to PWTP-PLY-PMP-3503
5. Provide (2) Core Drills
6. Provide and Install the Instrumentation Package
 - a. FIT/FE 3507
 - b. FIT/FE 3508
 - c. FIT/FE 3506
 - d. FIT/FE 3505
 - e. PSH/PI 3503
 - f. Diaphragm Seal
 - g. Ethernet Switches for Filter 6 and Filter 8
 - h. Flow Switch PWTP-PLY-FSL-3502
7. Provide and Install (8) ¾" PVC Coated Power Conduits from LP-FG1 to FIT's and VLV's
8. Provide and Install (4) Empty PVC Coated Control Conduits for CAT6 from PLCs to FIT's
9. Provide and Install (4) Sunshades for the FIT's
10. Stainless Steel Pull Boxes as needed
11. Startup and Testing
12. GC shall provide the Tax-Exempt Form 5005 to DP Electric. All Taxes are excluded.
13. This proposal is valid for (30-days) only. (see material escalation note at the end of this proposal)

Exclusions:

1. PLC/HMI/SCADA Programming & Programming software
2. I/O Cards
3. Fiber Optics/Conduit for Fiber Optics.
4. Spare Parts

Insurance, Warranty & Spares:

◦ Proposal includes the basic "Additional Insured" insurance for GC & project owner ◦ Proposal includes (1) year warranty and (2) year workmanship ◦ DP Electric will only transfer the manufacturer's warranties to Owner.



10/19/2023
COC SWTP Filters
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Material Escalation:

Any material escalation that exceeds 4% from the date of this proposal for the electrical rough materials shall be considered as additional cost to the project and shall be billed as material escalation change-order. This is due to volatility in price of steel & copper.

If you have any questions, please feel free to contact us.
Thank you.

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