



BOARD OF SUPERVISORS AGENDA ITEM REPORT AWARDS / CONTRACTS / GRANTS

☐ Award ☒ Contract ☐ Grant

Requested Board Meeting Date: 03/04/25

* = Mandatory, information must be provided

or Procurement Director Award: ☐

***Contractor/Vendor Name/Grantor (DBA):**

Kiewit Infrastructure West Co.

***Project Title/Description:**

Design-Build Services: Sidestream Anitamox Process (3ANOMX)

***Purpose:**

Amendment: Contract No. PO2400013641, Amendment No. 4. This amendment extends the term of the contract to 12/31/27 to allow for project close-out activities and final submittals, increases the contract amount by \$16,000,000.00 for a cumulative not-to-exceed amount of \$17,397,022.64, and incorporates Guaranteed Maximum Price-1 (GMP-1) for the Sidestream Anitamox Process project. Due to limited subcontracting opportunities, no Small Business Enterprises (SBE) goal is established for GMP-1. Administering Department: Regional Wastewater Reclamation.

***Procurement Method:**

Pursuant to Solicitation for Qualifications No. SFQ-PO-2300014, on 08/21/23, the Board of Supervisors awarded a contract for this project in the amount of \$1,150,652.68 for a contract term of 08/21/23 to 02/20/27.

On 08/21/23, the Board of Supervisors, authorized the Procurement Director to execute all modifications, including one or more Guaranteed Maximum Price (GMP) packages, provided that the cumulative total of all GMPs, Design and Pre-Constructions Services does not exceed \$6,019,340.00 and the contract expiration date does not exceed 02/20/27, which allows for all contract close-out activities and final submittals.

Amendment No. 1 was approved by the Procurement Director, on 12/29/23, to reallocate \$10,000.00 from Allowance 4 – Geotechnical Investigations to Allowance 3 – Additional Engineering Services. No changes to the contract amount or term were required.

Amendment No. 2 was approved by the Procurement Director, on 04/01/24, to reallocate \$30,000.00 from Allowance 3 – Additional Engineering Services to Allowance 4 – Geotechnical Investigations. No changes to the contract amount or term were required.

Amendment No. 3 was approved by the Procurement Director, on 12/04/24, to change the contract number from CT-WW-23-455 to PO2400013641 due to internal system change, to incorporate additional Phase 1 Design and Pre-Construction Services in the amount of \$246,369.96 for a cumulative not-to-exceed amount of \$1,397,022.64 and add the Heat Injury and Illness Prevention and Safety clause.

Attachment: Amendment No. 4.

***Program Goals/Predicted Outcomes:**

Recent advances in emerging deammonification processes targeted at sidestream treatment of wastes resulting from dewatering of biosolids have proved extremely economical for the removal of total nitrogen and ammonia from wastewater.

***Public Benefit:**

Incorporation of a sidestream Anitamox deammonification process at Tres Rios can result in both operational benefits and energy savings while simultaneously reducing both ammonia and total nitrogen.

***Metrics Available to Measure Performance:**

The Design-Builder's performance will be measured using the contractor evaluation process as outlined in BOS Policy D29.1 (E).

***Retroactive:**

No.

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
 Commencement Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
☐ Expense Amount \$ _____ * ☐ Revenue Amount: \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No

If Yes, is the Contract to a vendor or subrecipient? _____

Were insurance or indemnity clauses modified? ☐ Yes ☐ No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? ☐ Yes ☐ No

If Yes, attach the required form per Administrative Procedure 22-10.

Amendment / Revised Award Information

Document Type: PO Department Code: WW Contract Number (i.e., 15-123): PO2400013641
 Amendment No.: 4 AMS Version No.: 1
 Commencement Date: 03/04/25 New Termination Date: 12/31/27
 Prior Contract No. (Synergen/CMS): CT-WW-23-455

☒ Expense ☐ Revenue ☒ Increase ☐ Decrease

Amount This Amendment: \$ 16,000,000.00

Is there revenue included? ☐ Yes ☒ No If Yes \$ _____

***Funding Source(s) required:** Regional Wastewater Reclamation Department Obligations

Funding from General Fund? ☐ Yes ☒ No If Yes \$ _____ % _____

Grant/Amendment Information (for grants acceptance and awards)

☐ Award ☐ Amendment

Document Type: _____ Department Code: _____ Grant Number (i.e., 15-123): _____
 Commencement Date: _____ Termination Date: _____ Amendment Number: _____
☐ Match Amount: \$ _____ ☐ Revenue Amount: \$ _____

***All Funding Source(s) required:** _____

*Match funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

*Match funding from other sources? ☐ Yes ☐ No If Yes \$ _____ % _____

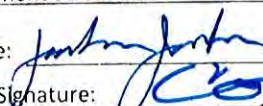
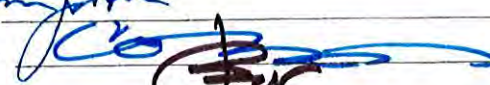
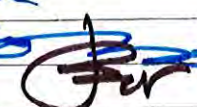
*Funding Source: _____

***If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?**

Contact: Procurement Officer: James Johnson Digitally signed by James Johnson
 Date: 2025.02.12 16:02:04 -07'00'

Department: Acting Procurement Director: Scott Loomis Digitally signed by Scott Loomis
 Date: 2025.02.13 14:01:22 -07'00'

Telephone: 520.724.7465

Department Director Signature:  Date: 2/13/25
 Deputy County Administrator Signature:  Date: 2/18/2025
 County Administrator Signature:  Date: 2/18/2025

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

PROJECT: Design-Build Services: Sidestream Anitamox Process (3ANOMX)

CONTRACTOR: Kiewit Infrastructure West Co.
3888 E. Broadway Rd.
Phoenix, Arizona 85040

CONTRACT NO.: PO2400013641

AMENDMENT NO.: 4

FUNDING: Regional Wastewater Reclamation Department Obligations

CONTRACT TERM: 08/21/23 - 02/20/27	ORIGINAL CONTRACT AMOUNT:	\$	1,150,652.68
TERMINATION PRIOR AMENDMENT: 02/20/27	PRIOR AMENDMENT(S):	\$	246,369.96
TERMINATION THIS AMENDMENT: 12/31/27	AMOUNT THIS AMENDMENT:	\$	16,000,000.00
	REVISED CONTRACT AMOUNT:	\$	17,397,022.64

CONTRACT AMENDMENT

The Parties agree to amend the above-referenced contract as follows:

1. Background and Purpose.

1.1. Background. On August 21, 2023, County and Contractor entered into the above-mentioned agreement to provide Design-Build Services for Sidestream Anitamox Process (3ANOMX).

1.2. Purpose. County intends to extend the term of the contract to allow for project close-out activities and final submittals, increase the contract amount by \$16,000,000.00 for a cumulative not-to-exceed amount of \$17,397,022.64, and incorporate Guaranteed Maximum Price-1 (GMP-1).

2. Effective Date, Term, and Schedule.

Section 2.2.: This amendment extends the term of the contract to 12/31/2027.

3. Scope of Services.

Add Section 3.7.1: "Appendix E – GMP-1," proposal dated 01/30/25 (286 pages).

4. Compensation and Payment.

Add Section 5.5.2.1: "Appendix E – GMP-1," proposal dated 01/30/25 (286 pages), in the amount of \$16,000,000.00

Attach: Appendix E – GMP-1, proposal dated 01/30/25 (286 pages)

Remainder of page intentionally left blank

All other provisions of the Contract not specifically changed by this Amendment remain in effect and are binding upon the Parties.

PIMA COUNTY

Chair, Board of Supervisors

Date

ATTEST

Clerk of the Board

Date

CONTRACTOR



Authorized Officer Signature

Darron Rolle, Senior Vice President

Printed Name and Title

2/13/2025

Date

This contract template has been approved as to form by the Pima County Attorney's Office.



2/12/2025

James Johnson, Procurement Officer
Pima County Procurement | Design & Construction Division
150 West Congress Street, 5th Floor
Tucson, AZ 85701

Re: Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor – Rev7

Dear Mr. Johnson,

Please accept for your review this proposal for GMP01 of the Sidestream ANITAMOX Process Project (3TRCAB), for a Guaranteed Maximum Price of \$15,844,030.02, which includes Design-Builder Contingency and excludes County Contingency. This proposal includes the following:

- Section 1 GMP Summary Form
- Section 2 Description of the Work
- Section 3 List of Plans and Specifications
- Section 4 List of Clarifications, Assumptions, and Exclusions
- Section 5 Project Schedule in Critical Path Format
- Section 6 Cash-Flow Forecast
- Section 7 Selected Subcontractors and Suppliers

Appendices

- A-1 Not used
- A-2 Hourly Staff Rates Table
- A-3 Design-Builder Risk Matrix
- A-4 Detailed Cost Table
- A-5 Sub and Supplier Quotes and Comparison Sheets
- A-6 Not used

Please contact me immediately if you have any questions or would like to discuss this proposal.

Sincerely,

Gabriel Gaylen Project Manager

Cc: Larry Goodvin, Tony Parrack, Jeff Prevatt, Craig Roberts, Andrea Odegard-Begay



Kiewit

Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

rev7 2/12/2025

Section 1 - SUMMARY OF THE GMP

CONSTRUCTION		GMP1 Amount	Notes
	CONSTRUCTION COSTS:		
	Cost of Construction	\$ 10,693,290.17	
	Design-Builder Contingency	\$ 319,000.00	
	ESDC and 3rd Party Inspection and Testing	\$ 559,643.43	
	Subtotal Direct Construction Costs	\$ 11,571,933.60	
	INDIRECT CONSTRUCTION COSTS:		
	General Conditions	\$ 854,012.97	
	Overhead	\$ 1,195,624.58	9.622% - see audited financial statement in Appendix A-1
	Insurance	\$ 102,161.78	0.75%
	Payment and Performance Bonds	\$ 171,546.66	1.25%
	Subtotal Direct Construction Cost + Gen Cond, Overhead, Bonds, Insurance	\$ 13,895,279.59	
	Construction Fee (As a percentage of Subtotal above or to exclude any items above)	\$ 972,669.57	7.00%
	Subtotal Direct Construction Cost + Gen Cond, Overhead, Bonds, Insurance and Fee	\$ 14,867,949.16	
	Arizona Gross Receipt Tax	\$ 976,080.86	6.565%
	Subtotal Direct Construction Cost + Gen Cond, Overhead, Bonds, Insurance and Fee and Tax	\$ 15,844,030.02	
	GUARANTEED MAXIMUM PRICE (GMP)	\$ 15,844,030.02	
	OTHER PROJECT COSTS:	\$ -	
	County Contingency	\$ 155,969.98	
	TOTAL CONTRACT COST	\$ 16,000,000.00	



Kiewit

Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

rev7 2/12/2025

Section 1.1 - DETAILED COST SCHEDULE

Item No.	Description	Qty	Unit	Total
A	DIRECT COSTS			\$ 11,571,933.60
A.1	COST OF CONSTRUCTION			\$ 10,693,290.17
A.1.1	MOBILIZATION	1	LS	\$ 652,561.24
A.1.2	TEMPORARY WORK	1	LS	\$ 226,566.01
A.1.3	CONSTRUCTION SURVEY	1	LS	\$ 53,962.54
A.1.4	QUALITY CONTROL	1	LS	\$ 90,198.15
A.1.5	REMOVALS AND DEMOLITION	1	LS	\$ 18,228.96
A.1.6	GRADING	4,794	CY	\$ 349,814.87
A.1.7	CIVIL UTILITIES	1	LS	\$ 237,486.73
A.1.8	AGGREGATES & PAVING	1	LS	\$ 76,990.69
A.1.9	CONCRETE	775	CY	\$ 1,979,194.41
A.1.10	METAL	1	LS	\$ 526,775.70
A.1.11	MECHANICAL PIPING / EQUIPMENT	1	LS	\$ 4,807,935.85
A.1.12	ELECTRICAL WORK	1	LS	\$ 1,673,575.02
A.2	DESIGN-BUILDER CONTINGENCY	1	LS	\$ 878,643.43
A.2.1	DESIGN-BUILDER CONTINGENCY	1	LS	\$ 319,000.00
A.2.2	3RD PARTY INSPECTION AND TESTING	1	LS	\$ 90,000.00
A.2.3	ENGINEERING SERVICE DURING CONSTRUCTION	1	LS	\$ 469,643.43
B	INDIRECT COSTS			\$ 2,323,345.99
B.1	GENERAL CONDITIONS	1	LS	\$ 854,012.97
B.2	OVERHEAD	9.622%		\$ 1,195,624.58
B.3	INSURANCE	0.750%		\$ 102,161.78
B.4	PAYMENT AND PERFORMANCE BONDS	1.250%		\$ 171,546.66
C	CONSTRUCTION FEE	7.00%		\$ 972,669.57
D	AZ GROSS RECEIPT TAX	6.565%		\$ 976,080.86
	GRAND TOTAL			\$ 15,844,030.02



Section 2 - DESCRIPTION OF WORK

The project scope includes the following major items. Detailed scope description can be found in the additional sections below and in the Appendix:

1. Construction of ANITAMOX Reactor

- Construction of new water-bearing 70ft diameter reinforced concrete vessel within the existing empty clarifier (Building 7) at the Tres Rios Water Reclamation Facility.
- Backfill and compaction of the remaining space between the new concrete vessel and the existing Building 7, along with finish grading, access stairs, and handrail.
- Replacement of 2 recycle pumps within Building 70.
- Installation of new pressate/centrate supply and discharge pumping equipment and pipelines for the ANITAMOX system.
- Cleaning and flushing of the existing centrate line from the existing dewatering facility to the Influent Pumping Station (IPS) in preparation for reuse.
- Procurement of ANITAMOX media and ancillary mechanical and instrumentation components from Veolia/Kruger.
- Construction equipment, staff, supervision, and temporary facilities for support of the work.
- Installation of new electrical components, ductbank, wire/cable installation, and installation of new VFD's in existing Building 9 MCC.
- Programming and Integration of the ANITAMOX System into the plant's existing SCADA.
- Startup and Commissioning of the ANITAMOX System
- Installation of Chemical Storage and Feed System



Section 3 - LIST OF PLANS AND SPECIFICATIONS

- TRES RIOS WASTEWATER RECLAMATION FACILITY SIDESTREAM ANITA MOX PROCESS (3ANOMX) 100% DRAWING – FOR CONSTRUCTION, dated November 2024
- TECHNICAL SPECIFICATIONS FOR TRES RIOS SIDESTREAM ANITA MOX NOVEMBER 2024 100% DESIGN
- Geotechnical Evaluation: Tres Rios WRF ANITA Mox Treatment System; Tucson, Arizona, dated May 1, 2024 by Ninyo & Moore Geotechnical & Environmental Consultants

Section 4 – CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS

1. This proposal is based on the CPM Schedule included in Section 5, and the following milestones:
 - A. Notice to Proceed – March 7th, 2025
 - B. Construction Completion – October 13th, 2026
 - C. Startup and Commissioning – October 2026 through January 2027
 - D. Substantial Completion – January 16th 2027
 - E. Final Completion – February 26th 2027
2. This GMP is based on the design documents listed in Section 3.
3. This GMP is based on sharing of administrative staff, supervision, and job office resources from simultaneous construction of the 48" crossover header pipeline included in the Class A Biosolids Solar Drying Facility Project. Should ANITAMOX not be constructed concurrently with the 48" crossover pipeline additional supervisory and temporary facilities cost may occur.
4. Price is based on work hours of Monday through Friday, 7:00 AM to 5:00 PM
5. Proposal is based in unimpeded access for crews and equipment to the work area
6. This proposal assumes that the material located in the existing stockpile at the Tres Rios WRF Bladder Site is suitable for use as backfill around the ANITAMOX tank.
7. This proposal assumes that commissioning of the Sidestream ANITAMOX process will be allowed according to the schedule included in Section 5 of this proposal and without dependence on PONDUS, Struvite Harvester, nor any other improvement not included in this project, with the exception of the chemical storage and loading area shown on the ANITAMOX design drawings.
8. This Proposal includes Design-Builder Contingency to be used at the Design-Builder's discretion for the items described in Appendix A-3 "Design-Builder Risk Matrix." The Design-Builder may re-allocate risk items as they expire and/or new risks are encountered throughout the construction period, subject to Owner review. Any allocations or applications of the Design-Builder Contingency shall be subject to prior notification and approval by the County. Any Design-Builder Contingency not used will be returned to the Owner to reduce the overall GMP amount.
9. This Proposal includes Engineering Services During Construction (ESDC) and 3rd-Party Testing and Inspection, as shown on line items A2.2 – A2.3 on Section 1.1 Detailed Cost Schedule. This work will be performed on a cost-reimbursable basis with a total amount-not-to-exceed (NTE Amount) of \$559,643.00. Any unused amount for this items will be returned to the Owner to reduce the overall GMP amount.



Section 5 – PROJECT SCHEDULE IN CRITICAL PATH FORMAT

3ANOMX Construction (from GMP1 rev7 02-12-2025)			WBS View Page 1 of 10				Data Date: 02/12/25 Print Date: 02/12/25																																			
#	Activity ID	Activity Name	OD	Start	Finish	Total Float	2025												2026												2027											
							J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A				
1	3ANOMX Construction (from GMP1 rev7 02-12-2025)			499	03/07/25	02/26/27	0	02/26/27, 3ANOMX Construction (from GMP1 rev7 02-12-2025)																																		
2	3ANOMX Construction Milestones			722	03/07/25	02/26/27	0	02/26/27, 3ANOMX Construction Milestones																																		
3	3AN-01-1000	3ANOMX GMP01 Notice to Proceed	0	03/07/25*		3	◆ 3ANOMX GMP01 Notice to Proceed																																			
4	3AN-01-1010	3ANOMX GMP01 Design Issue for Construction	0	03/07/25*		3	◆ 3ANOMX GMP01 Design Issue for Construction																																			
5	3AN-01-3610	3ANOMX GMP01 Construction Completion	0		10/13/26	96	◆ 3ANOMX GMP01 Construction Completion																																			
6	3AN-01-3690	3ANOMX GMP01 Substantial Completion	0		01/16/27	1	◆ 3ANOMX GMP01 Substantial Completion																																			
7	3AN-01-3710	3ANOMX GMP01 Final Completion	0		02/26/27	0	◆ 3ANOMX GMP01 Final Completion																																			
8	3ANOMX Procurement			289	03/07/25	04/28/26	163	04/28/26, 3ANOMX Procurement																																		
9	3ANOMX Agreements			75	03/07/25	06/20/25	357	06/20/25, 3ANOMX Agreements																																		
10	3ANOMX Agreements Veolia			30	03/07/25	04/17/25	97	04/17/25, 3ANOMX Agreements Veolia																																		
11	3AN-01-1020	3ANOMX Agreements Veolia Selection and Notice of Award	5	03/07/25	03/13/25	97	3ANOMX Agreements Veolia Selection and Notice of Award																																			
12	3AN-01-1310	3ANOMX Agreements Veolia Draft Agreement to Sub / Supplier	10	03/14/25	03/27/25	97	3ANOMX Agreements Veolia Draft Agreement to Sub / Supplier																																			
13	3AN-01-1510	3ANOMX Agreements Veolia Sub / Supplier Approval	10	03/28/25	04/10/25	97	3ANOMX Agreements Veolia Sub / Supplier Approval																																			
14	3AN-01-1730	3ANOMX Agreements Veolia Kiewit Approval, Agreement FE	5	04/11/25	04/17/25	97	3ANOMX Agreements Veolia Kiewit Approval, Agreement FE																																			
15	3ANOMX Agreements Concrete Ready Mix			25	03/07/25	04/10/25	33	04/10/25, 3ANOMX Agreements Concrete Ready Mix																																		
16	3AN-01-1030	3ANOMX Agreements Concrete Ready Mix Selection and Notice of Award	5	03/07/25	03/13/25	33	3ANOMX Agreements Concrete Ready Mix Selection and Notice of Award																																			
17	3AN-01-1320	3ANOMX Agreements Concrete Ready Mix Draft Agreement to Sub / Supplier	5	03/14/25	03/20/25	33	3ANOMX Agreements Concrete Ready Mix Draft Agreement to Sub / Supplier																																			
18	3AN-01-1400	3ANOMX Agreements Concrete Ready Mix Sub / Supplier Approval	10	03/21/25	04/03/25	33	3ANOMX Agreements Concrete Ready Mix Sub / Supplier Approval																																			
19	3AN-01-1590	3ANOMX Agreements Concrete Ready Mix Kiewit Approval, Agreement FE	5	04/04/25	04/10/25	33	3ANOMX Agreements Concrete Ready Mix Kiewit Approval, Agreement FE																																			
20	3ANOMX Agreements Rebar			30	03/07/25	04/17/25	1	04/17/25, 3ANOMX Agreements Rebar																																		
21	3AN-01-1040	3ANOMX Agreements Rebar Selection and Notice of Award	5	03/07/25	03/13/25	1	3ANOMX Agreements Rebar Selection and Notice of Award																																			
22	3AN-01-1330	3ANOMX Agreements Rebar Draft Agreement to Sub / Supplier	5	03/14/25	03/20/25	1	3ANOMX Agreements Rebar Draft Agreement to Sub / Supplier																																			
23	3AN-01-1410	3ANOMX Agreements Rebar Sub/Supplier Approval	10	03/21/25	04/03/25	1	3ANOMX Agreements Rebar Sub/Supplier Approval																																			
24	3AN-01-1600	3ANOMX Agreements Rebar Kiewit Approval, Agreement FE	10	04/04/25	04/17/25	1	3ANOMX Agreements Rebar Kiewit Approval, Agreement FE																																			
25	3ANOMX Agreements Structural Steel			35	03/07/25	04/24/25	182	04/24/25, 3ANOMX Agreements Structural Steel																																		
26	3AN-01-1050	3ANOMX Agreements Structural Steel Selection and Notice of Award	5	03/07/25	03/13/25	182	3ANOMX Agreements Structural Steel Selection and Notice of Award																																			
27	3AN-01-1340	3ANOMX Agreements Structural Steel Draft Agreement to Sub / Supplier	10	03/14/25	03/27/25	182	3ANOMX Agreements Structural Steel Draft Agreement to Sub / Supplier																																			
28	3AN-01-1520	3ANOMX Agreements Structural Steel Sub / Supplier Approval	15	03/28/25	04/17/25	182	3ANOMX Agreements Structural Steel Sub / Supplier Approval																																			
29	3AN-01-1830	3ANOMX Agreements Structural Steel Kiewit Approval, Agreement FE	5	04/18/25	04/24/25	182	3ANOMX Agreements Structural Steel Kiewit Approval, Agreement FE																																			
30	3ANOMX Agreements Pipe and Fittings			30	03/07/25	04/17/25	132	04/17/25, 3ANOMX Agreements Pipe and Fittings																																		
31	3AN-01-1060	3ANOMX Agreements Pipe and Fittings Selection and Notice of Award	5	03/07/25	03/13/25	132	3ANOMX Agreements Pipe and Fittings Selection and Notice of Award																																			
32	3AN-01-1350	3ANOMX Agreements Pipe and Fittings Draft Agreement to Sub / Supplier	10	03/14/25	03/27/25	132	3ANOMX Agreements Pipe and Fittings Draft Agreement to Sub / Supplier																																			
33	3AN-01-1530	3ANOMX Agreements Pipe and Fittings Sub / Supplier Approval	10	03/28/25	04/10/25	132	3ANOMX Agreements Pipe and Fittings Sub / Supplier Approval																																			
34	3AN-01-1740	3ANOMX Agreements Pipe and Fittings Kiewit Approval, Agreement FE	5	04/11/25	04/17/25	132	3ANOMX Agreements Pipe and Fittings Kiewit Approval, Agreement FE																																			
35	3ANOMX Agreements Electrical Equipment			55	03/07/25	05/22/25	66	05/22/25, 3ANOMX Agreements Electrical Equipment																																		
36	3AN-01-1070	3ANOMX Agreements Electrical Equipment Selection and Notice of Award	15	03/07/25	03/27/25	66	3ANOMX Agreements Electrical Equipment Selection and Notice of Award																																			
37	3AN-01-1540	3ANOMX Agreements Electrical Equipment Draft Agreement to Sub / Supplier	15	03/28/25	04/17/25	66	3ANOMX Agreements Electrical Equipment Draft Agreement to Sub / Supplier																																			

[illegible]

3ANOMX Construction (from GMP1 rev7 02-12-2025)			WBS View Page 3 of 10					Data Date: 02/12/25 Print Date: 02/12/25																											
#	Activity ID	Activity Name	OD	Start	Finish	Total Float	2025												2026												2027				
							J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M
76	3AN-01-1160	3ANOMX Agreements Chemical Pumps Selection and Notice of Award	10	03/07/25	03/20/25	109	3ANOMX Agreements Chemical Pumps Selection and Notice of Award																												
77	3AN-01-1440	3ANOMX Agreements Chemical Pumps Draft Agreement to Sub/Supplier	15	03/21/25	04/10/25	109	3ANOMX Agreements Chemical Pumps Draft Agreement to Sub/Supplier																												
78	3AN-01-1800	3ANOMX Agreements Chemical Pumps Sub/Supplier Approval	15	04/11/25	05/01/25	109	3ANOMX Agreements Chemical Pumps Sub/Supplier Approval																												
79	3AN-01-2050	3ANOMX Agreements Chemical Pumps Kiewit Approval, Agreement FE	10	05/02/25	05/15/25	109	3ANOMX Agreements Chemical Pumps Kiewit Approval, Agreement FE																												
80	3ANOMX Agreements Chemical Storage Tank		40	03/07/25	05/01/25	182	05/01/25, 3ANOMX Agreements Chemical Storage Tank																												
81	3AN-01-1170	3ANOMX Agreements Chem Storage Tank Selection and Notice of Award	10	03/07/25	03/20/25	182	3ANOMX Agreements Chem Storage Tank Selection and Notice of Award																												
82	3AN-01-1450	3ANOMX Agreements Chem Storage Tank Draft Agreement to Sub/Supplier	10	03/21/25	04/03/25	182	3ANOMX Agreements Chem Storage Tank Draft Agreement to Sub/Supplier																												
83	3AN-01-1670	3ANOMX Agreements Chem Storage Tank Sub/Supplier Approval	10	04/04/25	04/17/25	182	3ANOMX Agreements Chem Storage Tank Sub/Supplier Approval																												
84	3AN-01-1890	3ANOMX Agreements Chem Storage Tank Kiewit Approval, Agreement FE	10	04/18/25	05/01/25	182	3ANOMX Agreements Chem Storage Tank Kiewit Approval, Agreement FE																												
85	3ANOMX Agreements Shade Canopy		55	03/07/25	05/22/25	139	05/22/25, 3ANOMX Agreements Shade Canopy																												
86	3AN-01-1180	3ANOMX Agreements Shade Canopy Selection and Notice of Award	20	03/07/25	04/03/25	139	3ANOMX Agreements Shade Canopy Selection and Notice of Award																												
87	3AN-01-1680	3ANOMX Agreements Shade Canopy Draft Agreement to Sub/Supplier	20	04/04/25	05/01/25	139	3ANOMX Agreements Shade Canopy Draft Agreement to Sub/Supplier																												
88	3AN-01-2060	3ANOMX Agreements Shade Canopy Sub/Supplier Approval	10	05/02/25	05/15/25	139	3ANOMX Agreements Shade Canopy Sub/Supplier Approval																												
89	3AN-01-2240	3ANOMX Agreements Shade Canopy Kiewit Approval, Agreement FE	5	05/16/25	05/22/25	139	3ANOMX Agreements Shade Canopy Kiewit Approval, Agreement FE																												
90	3ANOMX Agreements Misc Metals and Grating		25	03/07/25	04/10/25	168	04/10/25, 3ANOMX Agreements Misc Metals and Grating																												
91	3AN-01-1120	3ANOMX Agreements Misc Metal Selection and Notice of Award	5	03/07/25	03/13/25	168	3ANOMX Agreements Misc Metal Selection and Notice of Award																												
92	3AN-01-1370	3ANOMX Agreements Misc Metal Draft Agreement to Sub/Supplier	10	03/14/25	03/27/25	168	3ANOMX Agreements Misc Metal Draft Agreement to Sub/Supplier																												
93	3AN-01-1560	3ANOMX Agreements Misc Metal Sub/Supplier Approval	5	03/28/25	04/03/25	168	3ANOMX Agreements Misc Metal Sub/Supplier Approval																												
94	3AN-01-1640	3ANOMX Agreements Misc Metal Kiewit Approval, Agreement FE	5	04/04/25	04/10/25	168	3ANOMX Agreements Misc Metal Kiewit Approval, Agreement FE																												
95	3ANOMX Agreements Concrete Flatwork		75	03/07/25	06/20/25	357	06/20/25, 3ANOMX Agreements Concrete Flatwork																												
96	3AN-01-1190	3ANOMX Agreements Concrete Flatwork Selection and Notice of Award	30	03/07/25	04/17/25	357	3ANOMX Agreements Concrete Flatwork Selection and Notice of Award																												
97	3AN-01-1900	3ANOMX Agreements Concrete Flatwork Draft Agreement to Sub/Supplier	15	04/18/25	05/08/25	357	3ANOMX Agreements Concrete Flatwork Draft Agreement to Sub/Supplier																												
98	3AN-01-2180	3ANOMX Agreements Concrete Flatwork Sub/Supplier Approval	15	05/09/25	05/30/25	357	3ANOMX Agreements Concrete Flatwork Sub/Supplier Approval																												
99	3AN-01-2380	3ANOMX Agreements Concrete Flatwork Kiewit Approval, Agreement FE	15	06/02/25	06/20/25	357	3ANOMX Agreements Concrete Flatwork Kiewit Approval, Agreement FE																												
100	3ANOMX Agreements Eyewash and Fixtures		55	03/07/25	05/22/25	186	05/22/25, 3ANOMX Agreements Eyewash and Fixtures																												
101	3AN-01-1200	3ANOMX Agreements Eyewash and Fixtures Selection and Notice of Award	30	03/07/25	04/17/25	186	3ANOMX Agreements Eyewash and Fixtures Selection and Notice of Award																												
102	3AN-01-1910	3ANOMX Agreements Eyewash and Fixtures Draft Agreement to Sub/Supplier	10	04/18/25	05/01/25	186	3ANOMX Agreements Eyewash and Fixtures Draft Agreement to Sub/Supplier																												
103	3AN-01-2070	3ANOMX Agreements Eyewash and Fixtures Sub/Supplier Approval	10	05/02/25	05/15/25	186	3ANOMX Agreements Eyewash and Fixtures Sub/Supplier Approval																												
104	3AN-01-2250	3ANOMX Agreements Eyewash and Fixtures Kiewit Approval, Agreement FE	5	05/16/25	05/22/25	186	3ANOMX Agreements Eyewash and Fixtures Kiewit Approval, Agreement FE																												
105	3ANOMX Agreements FRP Grating, Frames, and Ladders		40	03/07/25	05/01/25	179	05/01/25, 3ANOMX Agreements FRP Grating, Frames, and Ladders																												
106	3AN-01-1210	3ANOMX Agreements FRP Grating Selection and Notice of Award	15	03/07/25	03/27/25	179	3ANOMX Agreements FRP Grating Selection and Notice of Award																												
107	3AN-01-1570	3ANOMX Agreements FRP Grating Draft Agreement to Sub/Supplier	10	03/28/25	04/10/25	179	3ANOMX Agreements FRP Grating Draft Agreement to Sub/Supplier																												
108	3AN-01-1810	3ANOMX Agreements FRP Grating Sub/Supplier Approval	10	04/11/25	04/24/25	179	3ANOMX Agreements FRP Grating Sub/Supplier Approval																												
109	3AN-01-1950	3ANOMX Agreements FRP Grating Kiewit Approval, Agreement FE	5	04/25/25	05/01/25	179	3ANOMX Agreements FRP Grating Kiewit Approval, Agreement FE																												
110	3ANOMX Agreements Struvite Removal		36	03/07/25	04/25/25	318	04/25/25, 3ANOMX Agreements Struvite Removal																												
111	3AN-01-1220	3ANOMX Agreements Struvite Removal Selection and Notice of Award	4	03/07/25	03/12/25	318	3ANOMX Agreements Struvite Removal Selection and Notice of Award																												
112	3AN-01-1300	3ANOMX Agreements Struvite Removal Draft Agreement to Sub/Supplier	8	03/13/25	03/24/25	318	3ANOMX Agreements Struvite Removal Draft Agreement to Sub/Supplier																												
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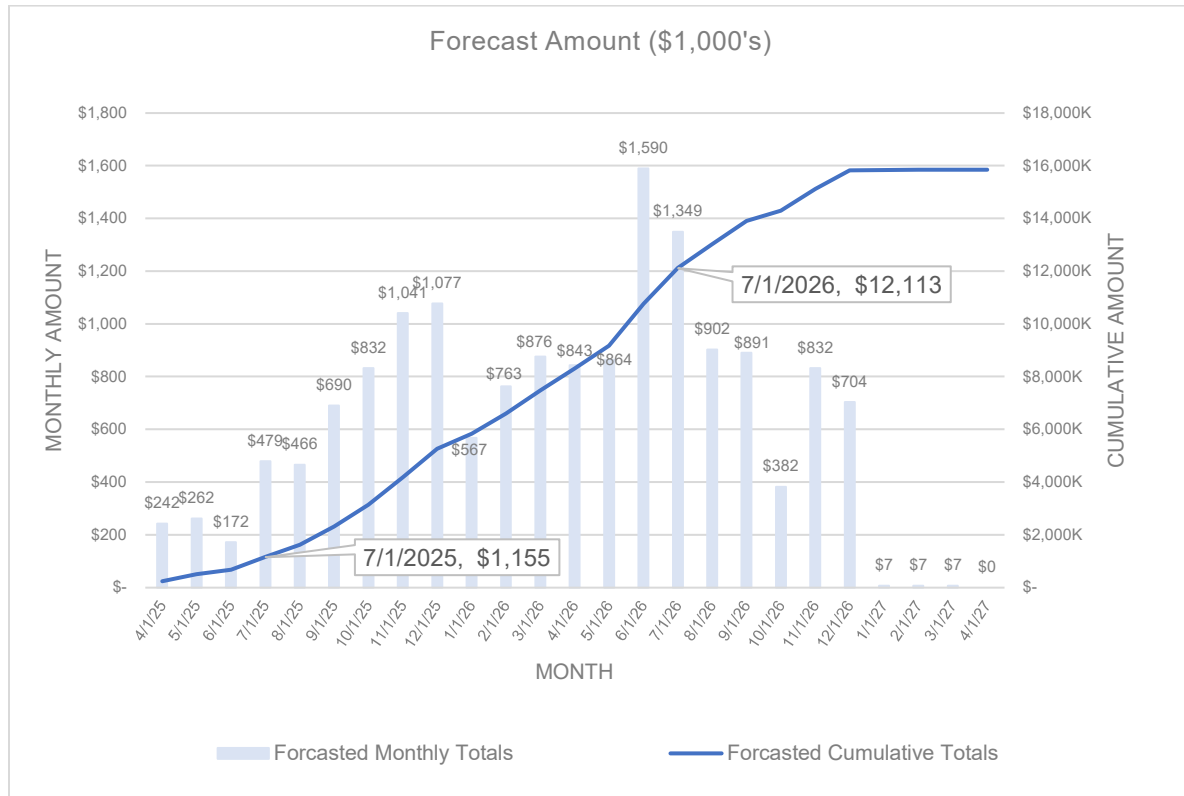
3ANOMX Construction (from GMP1 rev7 02-12-2025)			WBS View Page 7 of 10				Data Date: 02/12/25 Print Date: 02/12/25																											
#	Activity ID	Activity Name	OD	Start	Finish	Total Float	2025												2026												2027			
							J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A
227	3AN-01-2370	3ANOMX Procurement Integration Prepare and Submit	10	05/29/25	06/11/25	291	3ANOMX Procurement Integration Prepare and Submit																											
228	3AN-01-2480	3ANOMX Procurement Integration Review and Approve	30	06/12/25	07/24/25	291	3ANOMX Procurement Integration Review and Approve																											
229	3AN-01-2730	3ANOMX Procurement Integration Fabricate and Deliver	20	07/25/25	08/21/25	291	3ANOMX Procurement Integration Fabricate and Deliver																											
230	3ANOMX Approval & Delivery 3rd Party Testing and Inspection		15	05/02/25	05/22/25	43	05/22/25, 3ANOMX Approval & Delivery 3rd Party Testing and Inspection																											
231	3AN-01-2100	3ANOMX Procurement 3rd Party Testing Prepare and Submit	5	05/02/25	05/08/25	43	3ANOMX Procurement 3rd Party Testing Prepare and Submit																											
232	3AN-01-2190	3ANOMX Procurement 3rd Party Testing Review and Approve	10	05/09/25	05/22/25	43	3ANOMX Procurement 3rd Party Testing Review and Approve																											
233	3ANOMX Construction Reactor and Air Line		406	03/07/25	10/13/26	63	10/13/26, 3ANOMX Construction Reactor and Air Line																											
234	3ANOMX Construction Reactor and Air Line Temporary Work		290	03/07/25	04/29/26	45	04/29/26, 3ANOMX Construction Reactor and Air Line Temporary Work																											
235	3AN-01-1250	3ANOMX Temp Work Agreements	20	03/07/25	04/03/25	55	3ANOMX Temp Work Agreements																											
236	3AN-01-1660	3ANOMX Temp Work Mobilize, Yard Setup	16	04/04/25	04/28/25	54	3ANOMX Temp Work Mobilize, Yard Setup																											
237	3AN-01-1980	3ANOMX Temp Work Demo Existing Handrail	2	04/29/25	04/30/25	54	3ANOMX Temp Work Demo Existing Handrail																											
238	3AN-01-2020	3ANOMX Temp Work Setup Stair Tower	2	05/01/25	05/02/25	54	3ANOMX Temp Work Setup Stair Tower																											
239	3AN-01-3130	3ANOMX Temp Work Remove Stair Tower	2	04/28/26	04/29/26	44	3ANOMX Temp Work Remove Stair Tower																											
240	3ANOMX Construction Reactor and Air Line Grading		305	04/29/25	08/05/26	110	08/05/26, 3ANOMX Construction Reactor and Air Line Grading																											
241	3AN-01-1990	3ANOMX Grading Structural Exc Misc Concrete	2	04/29/25	05/01/25	226	3ANOMX Grading Structural Exc Misc Concrete																											
242	3AN-01-2950	3ANOMX Grading Backfill to Effluent S/G (Elev 2185)	9	01/14/26	01/26/26	1	3ANOMX Grading Backfill to Effluent S/G (Elev 2185)																											
243	3AN-01-3070	3ANOMX Grading Backfill to 24" Pipe (Elev 2188)	3	03/31/26	04/02/26	1	3ANOMX Grading Backfill to 24" Pipe (Elev 2188)																											
244	3AN-01-3100	3ANOMX Grading Backfill to Top (Elev 2194)	15	04/07/26	04/27/26	1	3ANOMX Grading Backfill to Top (Elev 2194)																											
245	3AN-01-3390	3ANOMX Grading Finish and Place HDPE Membrane	3	07/01/26	07/06/26	1	3ANOMX Grading Finish and Place HDPE Membrane																											
246	3AN-01-3450	3ANOMX Grading Structural Backfill Misc Concrete	2	07/30/26	08/03/26	110	3ANOMX Grading Structural Backfill Misc Concrete																											
247	3AN-01-3480	3ANOMX Grading Place Decorative Rock	2	08/03/26	08/05/26	110	3ANOMX Grading Place Decorative Rock																											
248	3ANOMX Construction Reactor and Air Line Civil Utilities		62	04/03/26	06/30/26	1	06/30/26, 3ANOMX Construction Reactor and Air Line Civil Utilities																											
249	3AN-01-3090	3ANOMX Civil Utilities ELB 24" DIP - Effluent	2	04/03/26	04/06/26	1	3ANOMX Civil Utilities ELB 24" DIP - Effluent																											
250	3AN-01-3120	3ANOMX Civil Utilities ELB 3" SW - Temp Control	5	04/28/26	05/04/26	1	3ANOMX Civil Utilities ELB 3" SW - Temp Control																											
251	3AN-01-3190	3ANOMX Civil Utilities ELB 6" CT - Centrate In	4	05/05/26	05/08/26	1	3ANOMX Civil Utilities ELB 6" CT - Centrate In																											
252	3AN-01-3200	3ANOMX Civil Utilities ELB 2" SW and Nozzles - Foam Ctrl	4	05/11/26	05/14/26	1	3ANOMX Civil Utilities ELB 2" SW and Nozzles - Foam Ctrl																											
253	3AN-01-3210	3ANOMX Civil Utilities ELB 6" CT - Effluent	4	05/15/26	05/20/26	1	3ANOMX Civil Utilities ELB 6" CT - Effluent																											
254	3AN-01-3240	3ANOMX Civil Utilities ELB Electrical Conduits and Ductbanks	13	05/21/26	06/09/26	16	3ANOMX Civil Utilities ELB Electrical Conduits and Ductbanks																											
255	3AN-01-3250	3ANOMX Electrical ELB UG Conduit and Pull Boxes	28	05/21/26	06/30/26	1	3ANOMX Electrical ELB UG Conduit and Pull Boxes																											
256	3ANOMX Construction Reactor and Air Line Concrete		288	06/09/25	07/29/26	111	07/29/26, 3ANOMX Construction Reactor and Air Line Concrete																											
257	3AN-01-2450	3ANOMX Concrete Place Lean Concrete Fill	3	06/09/25	06/11/25	30	3ANOMX Concrete Place Lean Concrete Fill																											
258	3AN-01-2740	3ANOMX Concrete FPS Pipe Support Foundation and Equipment Pads	15	07/29/25	08/21/25	168	3ANOMX Concrete FPS Pipe Support Foundation and Equipment Pads																											
259	3AN-01-2750	3ANOMX Concrete SOG - ANITA™ Mox	20	07/29/25	08/28/25	1	3ANOMX Concrete SOG - ANITA™ Mox																											
260	3AN-01-2800	3ANOMX Concrete Equipment Pad Concrete Strength	28	08/22/25	09/18/25	297	3ANOMX Concrete Equipment Pad Concrete Strength																											
261	3AN-01-2830	3ANOMX Concrete Walls - ANITA™ Mox	65	08/29/25	12/15/25	1	3ANOMX Concrete Walls - ANITA™ Mox																											
262	3AN-01-2920	3ANOMX Concrete Concrete Strength Requirement - ANITA™ Mox	28	12/16/25	01/12/26	2	3ANOMX Concrete Concrete Strength Requirement - ANITA™ Mox																											
263	3AN-01-2930	3ANOMX Concrete Leak Test and Fill Cracks - ANITA™ Mox	10	12/16/25	01/02/26	7	3ANOMX Concrete Leak Test and Fill Cracks - ANITA™ Mox																											
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Milestone Summary							Date	Revision												Checked	Approved													

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3ANOMX Construction (from GMP1 rev7 02-12-2025)			WBS View Page 9 of 10				Data Date: 02/12/25 Print Date: 02/12/25																																			
#	Activity ID	Activity Name	OD	Start	Finish	Total Float	2025												2026												2027											
							J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A				
300	3ANOMX Construction Chemical Area			353	04/29/25	09/21/26	77	09/21/26, 3ANOMX Construction Chemical Area																																		
301	3ANOMX Construction Chemical Area Demolition			3	04/29/25	05/02/25	287	05/02/25, 3ANOMX Construction Chemical Area Demolition																																		
302	3AN-01-2000	3ANOMX Chemical Area Temporary Work Demo Existing Curb & Gutter	2	04/29/25	04/30/25	287	3ANOMX Chemical Area Temporary Work Demo Existing Curb & Gutter																																			
303	3AN-01-2010	3ANOMX Chemical Area Temporary Work Demo Asphalt	2	04/30/25	05/02/25	287	3ANOMX Chemical Area Temporary Work Demo Asphalt																																			
304	3ANOMX Construction Chemical Area Grading			225	07/29/25	07/08/26	128	07/08/26, 3ANOMX Construction Chemical Area Grading																																		
305	3AN-01-2760	3ANOMX Chemical Area Grading Structure Excavation	10	07/29/25	08/12/25	145	3ANOMX Chemical Area Grading Structure Excavation																																			
306	3AN-01-3220	3ANOMX Chemical Area Grading Structure Backfill	4	05/19/26	05/22/26	44	3ANOMX Chemical Area Grading Structure Backfill																																			
307	3AN-01-3340	3ANOMX Chemical Area Grading Curb and Gutter	10	06/17/26	06/30/26	128	3ANOMX Chemical Area Grading Curb and Gutter																																			
308	3AN-01-3400	3ANOMX Chemical Area Grading Place AC Paving	5	07/01/26	07/08/26	128	3ANOMX Chemical Area Grading Place AC Paving																																			
309	3ANOMX Construction Chemical Area Civil Utilities			157	10/23/25	06/16/26	56	06/16/26, 3ANOMX Construction Chemical Area Civil Utilities																																		
310	3AN-01-2900	3ANOMX Chemical Area Civil Utilities Install Sump	4	10/23/25	10/28/25	177	3ANOMX Chemical Area Civil Utilities Install Sump																																			
311	3AN-01-3270	3ANOMX Chemical Area Civil Utilities Yard Piping	6	05/26/26	06/02/26	44	3ANOMX Chemical Area Civil Utilities Yard Piping																																			
312	3AN-01-3310	3ANOMX Chemical Area Civil Utilities Electrical Ductbanks	10	06/03/26	06/16/26	56	3ANOMX Chemical Area Civil Utilities Electrical Ductbanks																																			
313	3ANOMX Construction Chemical Area Concrete			48	03/17/26	05/25/26	40	05/25/26, 3ANOMX Construction Chemical Area Concrete																																		
314	3AN-01-3060	3ANOMX Chemical Area Concrete SOG	10	03/17/26	03/30/26	10	3ANOMX Chemical Area Concrete SOG																																			
315	3AN-01-3080	3ANOMX Chemical Area Concrete Walls	20	03/31/26	04/27/26	10	3ANOMX Chemical Area Concrete Walls																																			
316	3AN-01-3110	3ANOMX Chemical Area Concrete Concrete Strength Requirement	28	04/28/26	05/25/26	14	3ANOMX Chemical Area Concrete Concrete Strength Requirement																																			
317	3AN-01-3160	3ANOMX Chemical Area Concrete Misc Footings	11	04/28/26	05/12/26	48	3ANOMX Chemical Area Concrete Misc Footings																																			
318	3AN-01-3170	3ANOMX Chemical Area Concrete Leak Test	15	04/28/26	05/18/26	36	3ANOMX Chemical Area Concrete Leak Test																																			
319	3ANOMX Construction Chemical Area Metal			21	05/19/26	06/17/26	25	06/17/26, 3ANOMX Construction Chemical Area Metal																																		
320	3AN-01-3230	3ANOMX Chemical Area Metals Install Misc Metals and FRP	10	05/19/26	06/02/26	36	3ANOMX Chemical Area Metals Install Misc Metals and FRP																																			
321	3AN-01-3320	3ANOMX Chemical Area Metals Install Shade Canopy	10	06/04/26	06/17/26	10	3ANOMX Chemical Area Metals Install Shade Canopy																																			
322	3ANOMX Construction Chemical Area Mechanical			27	05/26/26	07/01/26	15	07/01/26, 3ANOMX Construction Chemical Area Mechanical																																		
323	3AN-01-3260	3ANOMX Chemical Area Mechanical Install Chemical Tank	2	05/26/26	05/27/26	10	3ANOMX Chemical Area Mechanical Install Chemical Tank																																			
324	3AN-01-3280	3ANOMX Chemical Area Mechanical Install Chemical Pumps	2	05/28/26	05/29/26	10	3ANOMX Chemical Area Mechanical Install Chemical Pumps																																			
325	3AN-01-3290	3ANOMX Chemical Area Mechanical Install Eyewash and Fixtures	3	06/01/26	06/03/26	10	3ANOMX Chemical Area Mechanical Install Eyewash and Fixtures																																			
326	3AN-01-3350	3ANOMX Chemical Area Mechanical Install AG Piping and Supports	10	06/18/26	07/01/26	15	3ANOMX Chemical Area Mechanical Install AG Piping and Supports																																			
327	3ANOMX Construction Chemical Area Electrical			78	06/01/26	09/21/26	10	09/21/26, 3ANOMX Construction Chemical Area Electrical																																		
328	3AN-01-3300	3ANOMX Chemical Area Electrical Electrical Devices	15	06/01/26	06/19/26	38	3ANOMX Chemical Area Electrical Electrical Devices																																			
329	3AN-01-3330	3ANOMX Chemical Area Electrical ELB UG Ductbanks and Handholes	7	06/03/26	06/11/26	44	3ANOMX Chemical Area Electrical ELB UG Ductbanks and Handholes																																			
330	3AN-01-3370	3ANOMX Chemical Area Electrical Install Grounding	5	06/17/26	06/23/26	56	3ANOMX Chemical Area Electrical Install Grounding																																			
331	3AN-01-3360	3ANOMX Chemical Area Electrical Install AG Conduit and Supports	30	06/18/26	07/30/26	10	3ANOMX Chemical Area Electrical Install AG Conduit and Supports																																			
332	3AN-01-3380	3ANOMX Chemical Area Electrical Install Lighting	6	06/18/26	06/25/26	34	3ANOMX Chemical Area Electrical Install Lighting																																			
333	3AN-01-3410	3ANOMX Chemical Area Electrical Install Instrumentation	15	07/02/26	07/23/26	15	3ANOMX Chemical Area Electrical Install Instrumentation																																			
334	3AN-01-3460	3ANOMX Chemical Area Electrical Wire and Cable	20	07/31/26	08/27/26	10	3ANOMX Chemical Area Electrical Wire and Cable																																			
335	3AN-01-3570	3ANOMX Chemical Area Electrical Test and Terminate Wire	15	08/28/26	09/21/26	10	3ANOMX Chemical Area Electrical Test and Terminate Wire																																			
336	3ANOMX Startup and Commissioning			70	10/05/26	01/16/27	0	01/16/27, 3ANOMX Startup and Commissioning																																		
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Summary Milestone Milestone							Date	Revision												Checked	Approved																					

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Section 6 – CASH FLOW FORECAST





Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

Section 7 - SUBCONTRACTOR SELECTION

Item No.	Description	Selected Supplier/Subcontractor	Amount
01	Anita Mox Equipment	Veolia Water Technologies, Inc (dba Kruger)	\$ 2,947,422
Grand Total			\$ 2,947,422

The above list includes the selected suppliers and subcontractors with their contract value over 5% of the total GMP price.

See Appendix A.5 for all remaining Subcontractor and Supplier quotes and comparison sheets



Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

APPENDIX A-1

Section not used



APPENDIX A-2

Staff Hourly Rates Table

Position	Preconstruction Phase	Construction Phase*	Labor Burden Rate	Total Hourly Rate
Project Manager	\$86.75	\$95.64	\$45.96	\$141.60
Construction Manager	\$76.25	\$84.07	\$40.40	\$124.47
Discipline Superintendent	\$60.00	\$66.15	\$31.79	\$97.94
Project Engineer	\$50.00	\$55.13	\$26.49	\$81.62
Field Engineer	\$42.50	\$46.86	\$22.52	\$69.38
Business Manager	\$47.50	\$52.37	\$25.17	\$77.54
Procurement Lead (KSN)	\$47.50	\$52.37	\$25.17	\$77.54
Procurement Manager (KSN)	\$61.25	\$67.53	\$32.45	\$99.98
Safety Manager	\$60.00	\$66.15	\$31.79	\$97.94
Quality Manager	\$65.00	\$71.66	\$34.44	\$106.10
Quality Inspector	\$52.00	\$57.33	\$27.55	\$84.88
Environmental Manager	\$60.00	\$66.15	\$31.79	\$97.94
Survey Manager	\$70.00	\$77.18	\$37.09	\$114.27
Structural Engineer (KIE)	\$72.76	\$80.22	\$38.55	\$118.77
Engineering Manager (KIE)	\$82.39	\$90.83	\$43.65	\$134.48

*The current rate is based on the 2022 preconstruction rate with 5% escalation applied for 2023 and 2024

Appendix A.3 - Design-Builder Contingency

Risk Description		Probability/Impact		Total Risk Classification	Calculated Risk Value	Calculated Critical Path Schedule Impact (Days)	Contingency	Risk Factor (%)	Factored Risk Amount to Carry
		Probability	Impact						
1.0 Bid Documents Risk-									
1.0	General Design/Quantity Growth	Moderate	Severe	MS	\$ 11,571,934	-	X	2%	\$173,579
1.1	Air and Centrate Pipe Design Conflicts	Low	Moderate	LM	\$ 600,000		X	6%	\$36,000
1.3	Additional Pipe Supports	Moderate	Negligible	MN	\$ 65,813		X	10%	\$6,581
1.4	Additional Pipe in Bldg 70	Moderate	Negligible	MN	\$ 4,536		X	50%	\$2,268
					\$ 12,292,283			2%	\$218,428
4.0 Performance Risk									
4.0	Craft performance/productivity Risk	Moderate	Moderate	MM	\$ 763,292		X	5%	\$38,165
4.1	Concrete Reactor Leak Detection Test Risk	Moderate	Moderate	MM	\$ 680,823		X	2%	\$13,616
					\$ 1,444,115			4%	\$51,781
8.0 Major Materials Risk -									
8.2	Chemical buy for Struvite removal	Moderate	Moderate	MM	\$ 17,021		X	50%	\$8,511
					\$ 206,021			4%	\$8,511
9.0 Subcontractor Performance Risk -									
9.1	Veolia Equipment Risk	Moderate	Moderate	MM	\$ 1,999,220		x	2%	\$39,984
					\$ 2,000,342			2%	\$39,984
					\$ 17,392,761			2%	\$318,704



Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

rev6 1/30/25

APPENDIX A-4 Detailed Cost Table

Item No.		Qty	Unit	Labor	Equipment	Supplies	Material	Sub-contracts	Total
A	DIRECT COSTS			\$ 1,920,866.31	\$ 1,655,161.34	\$ 1,097,997.92	\$ 4,743,831.68	\$ 2,154,076.33	\$ 11,571,933.60
A.1	COST OF CONSTRUCTION			\$ 1,920,866.31	\$ 1,655,161.34	\$ 778,997.92	\$ 4,743,831.68	\$ 1,594,432.90	\$ 10,693,290.17
A.1.1	MOBILIZATION	1	LS	\$ 13,733.53	\$ 319,183.92	\$ 319,643.78	\$ -	\$ -	\$ 652,561.24
A.1.2	TEMPORARY WORK	1	LS	\$ 61,744.60	\$ 31,098.70	\$ 60,322.71	\$ -	\$ 73,400.00	\$ 226,566.01
A.1.3	CONSTRUCTION SURVEY	1	LS	\$ 53,962.54	\$ -	\$ -	\$ -	\$ -	\$ 53,962.54
A.1.4	QUALITY CONTROL	1	LS	\$ 63,305.35	\$ 26,892.80	\$ -	\$ -	\$ -	\$ 90,198.15
A.1.5	REMOVALS AND DEMOLITION	1	LS	\$ 6,305.26	\$ 7,723.70	\$ 780.00	\$ -	\$ 3,420.00	\$ 18,228.96
A.1.6	GRADING	4,794	CY	\$ 167,292.88	\$ 129,374.80	\$ 11,372.50	\$ 1,372.19	\$ 40,402.50	\$ 349,814.87
A.1.7	CIVIL UTILITIES	1	LS	\$ 83,011.15	\$ 86,634.29	\$ 13,846.50	\$ 40,201.11	\$ 13,793.67	\$ 237,486.73
A.1.8	AGGREGATES & PAVING	1	LS	\$ 26,297.30	\$ 2,217.62	\$ 3,248.11	\$ 5,639.59	\$ 39,588.06	\$ 76,990.69
A.1.9	CONCRETE	775	CY	\$ 562,205.80	\$ 677,724.00	\$ 216,456.10	\$ 260,612.18	\$ 262,196.33	\$ 1,979,194.41
A.1.10	METAL	1	LS	\$ 21,401.92	\$ 67,829.90	\$ 2,304.00	\$ 86,138.14	\$ 349,101.74	\$ 526,775.70
A.1.11	MECHANICAL PIPING / EQUIPMENT	1	LS	\$ 331,714.05	\$ 207,899.60	\$ 72,802.00	\$ 3,951,339.60	\$ 244,180.60	\$ 4,807,935.85
A.1.12	ELECTRICAL WORK	1	LS	\$ 529,891.95	\$ 98,582.00	\$ 78,222.22	\$ 398,528.86	\$ 568,350.00	\$ 1,673,575.02
A.2	DESIGN-BUILDER CONTINGENCY	1	LS	\$ -	\$ -	\$ 319,000.00	\$ -	\$ 559,643.43	\$ 878,643.43
A.2.1	DESIGN-BUILDER CONTINGENCY	1	LS	\$ -	\$ -	\$ 319,000.00	\$ -	\$ -	\$ 319,000.00
A.2.2	3RD PARTY INSPECTION AND TESTING	1	LS	\$ -	\$ -	\$ -	\$ -	\$ 90,000.00	\$ 90,000.00
A.2.3	ENGINEERING SERVICE DURING CONSTRUCTION	1	LS	\$ -	\$ -	\$ -	\$ -	\$ 469,643.43	\$ 469,643.43
B	INDIRECT COSTS			\$ 763,292.97	\$ -	\$ 90,720.00	\$ -	\$ -	\$ 2,323,345.99
B.1	GENERAL CONDITIONS	1	LS	\$ 763,292.97	\$ -	\$ 90,720.00	\$ -	\$ -	\$ 854,012.97
B.2	OVERHEAD	9.622%							\$ 1,195,624.58
B.3	INSURANCE	0.750%							\$ 102,161.78
B.4	PAYMENT AND PERFORMANCE BONDS	1.250%							\$ 171,546.66
C	CONSTRUCTION FEE	7.00%							\$ 972,669.57
D	AZ GROSS RECEIPT TAX	6.565%							\$ 976,080.86
	GRAND TOTAL			\$ 2,684,159.28	\$ 1,655,161.34	\$ 1,188,717.92	\$ 4,743,831.68	\$ 2,154,076.33	\$ 15,844,030.02



Sidestream ANITAMOX Process (3ANOMX)

GMP Proposal:

Sidestream ANITAMOX Process (3ANOMX) GMP1 for ANITAMOX Reactor

APPENDIX A-5

Subcontractor and Supplier Quotes and Comparison Sheets

Resource Items

Quote Group: 4.2000 BNGs
(1 of 2)

Award Status: Complete

Reviewed: Yes

Last Reviewed: 12/17/2024 3:48:36 PM

Quote Last Changed: 12/17/2024 4:22:14 PM

Quote Description:			Plug		Detail	4.2000 BNGs - Duncan bolt	4.2000 BNGs - Ferguson		
Awarded Total:				0.00	0.00	0.00	23,796.83		
Quoted Items Total:				22,180.00	0.00	14,550.00	23,796.83		
Special Conditions:				0.00	0.00	2,000.00	0.00		
Quoted Total:				22,180.00	0.00	16,550.00	23,796.83		
Last Update:						12/17/2024 4:21:58 PM	12/17/2024 4:22:06 PM		
Comparable Total:				22,180.00	23,796.83	16,550.00	23,796.83		
Seller:									
Buyer's Special Terms & Conditions:						Duncan bolt add freight	Ferguson		
Seller's Special Terms & Conditions:									
Quote Group	Code	Description	Quantity	Unit	Total	Unit	Total	Unit	Total
4.2000 BNGs	4.70.006 (1)	6" BNG's New HDG	1.00	PLS	610.00	610.00	1,752.98	1,752.98	1,752.98
4.2000 BNGs	4.70.006 (1) (1)	4" Isofigkit	1.00	PLS	370.00	370.00	131.00	131.00	131.00
4.2000 BNGs	4.70.006 (1) (1)	14" HDG BNG's New	1.00	PLS	1,070.00	1,070.00	1,969.56	1,969.56	1,969.56
4.2000 BNGs	4.70.006 (1) (1)	8" CS BNG's New	1.00	PLS	1,400.00	1,400.00	2,980.53	2,980.53	2,980.53
4.2000 BNGs	4.70.006 (1) (2)	6" Isofigkit	1.00	PLS	3,080.00	3,080.00	1,501.10	1,501.10	1,501.10
4.2000 BNGs	4.70.006 (1) (2)	24" SS316 BNG's New	1.00	PLS	1,290.00	1,290.00	484.95	484.95	484.95
4.2000 BNGs	4.70.006 (1) (2)	24" CS BNG's New	1.00	PLS	2,250.00	2,250.00	484.95	484.95	484.95
4.2000 BNGs	4.70.006 (1) (2)	24" Isofigkit	1.00	PLS	810.00	810.00	313.92	313.92	313.92
4.2000 BNGs	4.70.006 (1) (3)	10" HDG BNG's New	1.00	PLS	2,070.00	2,070.00	3,489.76	3,489.76	3,489.76
4.2000 BNGs	4.70.006 (1) (3)	2" SS316 BNG's New	1.00	PLS	130.00	130.00	59.96	59.96	59.96
4.2000 BNGs	4.70.006 (1) (4)	4" CS BNG's New	1.00	PLS	260.00	260.00	264.88	264.88	264.88
4.2000 BNGs	4.70.006 (1) (4)	20" HDG BNG's New	1.00	PLS	4,220.00	4,220.00	5,170.54	5,170.54	5,170.54
4.2000 BNGs	4.70.006 (1) (5)	3" SS316 BNG's New	1.00	PLS	310.00	310.00	134.72	134.72	134.72
4.2000 BNGs	4.70.006 (1) (5)	6" SS316 BNG's New	1.00	PLS	1,590.00	1,590.00	1,232.93	1,232.93	1,232.93
4.2000 BNGs	4.70.006 (1) (5)	30" HDG BNG's New	1.00	PLS	610.00	610.00	876.29	876.29	876.29
4.2000 BNGs	4.70.006 (1) (6)	4" SS316 BNG's New	1.00	PLS	150.00	150.00	103.29	103.29	103.29
4.2000 BNGs	4.70.006 (1) (6)	6" CS BNG's New	1.00	PLS	1,510.00	1,510.00	2,466.00	2,466.00	2,466.00
4.2000 BNGs	4.70.006 (2)	BNG's Chem - CS 150#	1.00	PLS	150.00	150.00	246.60	246.60	246.60
4.2000 BNGs	4.70.006 (2) (1)	BNG's Chem - 3" SS316	1.00	PLS	270.00	270.00	117.88	117.88	117.88
4.2000 BNGs	4.70.006 (2) (2)	BNG's Chem - 2" SS316	1.00	PLS	30.00	30.00	14.99	14.99	14.99
Scope Item			Quote Group						

				Quote Description: 4.2000 BNGs - CopperState Bolt and Nut									
				Awarded Total:		0.00							
				Quoted Items Total:		28,694.28							
				Special Conditions:		0.00							
				Quoted Total:		28,694.28							
				Last Update:		12/17/2024 4:22:14 PM							
				Comparable Total:		28,694.28							
				Seller:		CopperState Bolt and Nut							
				Buyer's Special Terms & Conditions:									
				Seller's Special Terms & Conditions:									
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
4.2000 BNGs	4.70.006 (1)	6" BNG's New HDG	1.00	PLS	1,512.60	1,512.60							
4.2000 BNGs	4.70.006 (1) (1)	4" Isoflgkit	1.00	PLS	136.22	136.22							
4.2000 BNGs	4.70.006 (1) (1)	14" HDG BNG's New	1.00	PLS	1,947.04	1,947.04							
4.2000 BNGs	4.70.006 (1) (1)	8" CS BNG's New	1.00	PLS	1,250.64	1,250.64							
4.2000 BNGs	4.70.006 (1) (2)	6" Isoflgkit	1.00	PLS	1,297.65	1,297.65							
4.2000 BNGs	4.70.006 (1) (2)	24" SS316 BNG's New	1.00	PLS	1,605.57	1,605.57							
4.2000 BNGs	4.70.006 (1) (2)	24" CS BNG's New	1.00	PLS	1,851.30	1,851.30							
4.2000 BNGs	4.70.006 (1) (2)	24" Isoflgkit	1.00	PLS	489.62	489.62							
4.2000 BNGs	4.70.006 (1) (3)	10" HDG BNG's New	1.00	PLS	3,069.40	3,069.40							
4.2000 BNGs	4.70.006 (1) (3)	2" SS316 BNG's New	1.00	PLS	260.40	260.40							
4.2000 BNGs	4.70.006 (1) (4)	4" CS BNG's New	1.00	PLS	221.76	221.76							
4.2000 BNGs	4.70.006 (1) (4)	20" HDG BNG's New	1.00	PLS	7,644.36	7,644.36							
4.2000 BNGs	4.70.006 (1) (5)	3" SS316 BNG's New	1.00	PLS	702.40	702.40							
4.2000 BNGs	4.70.006 (1) (5)	6" SS316 BNG's New	1.00	PLS	2,923.20	2,923.20							
4.2000 BNGs	4.70.006 (1) (5)	30" HDG BNG's New	1.00	PLS	1,372.98	1,372.98							
4.2000 BNGs	4.70.006 (1) (6)	4" SS316 BNG's New	1.00	PLS	260.94	260.94							
4.2000 BNGs	4.70.006 (1) (6)	6" CS BNG's New	1.00	PLS	1,335.00	1,335.00							
4.2000 BNGs	4.70.006 (2)	BNG's Chem - CS 150#	1.00	PLS	133.50	133.50							
4.2000 BNGs	4.70.006 (2) (1)	BNG's Chem - 3" SS316	1.00	PLS	614.60	614.60							
4.2000 BNGs	4.70.006 (2) (2)	BNG's Chem - 2" SS316	1.00	PLS	65.10	65.10							
Scope Item				Quote Group									

Quote Description:				Plug	Detail		4.3000 PVC Pipe - Ferguson			
Awarded Total:				0.00	0.00		2,739.45			
Quoted Items Total:				3,640.00	0.00		2,739.45			
Special Conditions:				0.00	0.00		0.00			
Quoted Total:				3,640.00	0.00		2,739.45			
Last Update:							12/17/2024 4:24:10 PM			
Comparable Total:				3,640.00	2,739.45		2,739.45			
Seller:							Ferguson			
Buyer's Special Terms & Conditions:										
Seller's Special Terms & Conditions:										
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total
4.3000 PVC Pipe	4.70.002 (1)	3" CPVC Tee New	1.00	Ea	190.00	190.00	124.60	124.60	124.60	124.60
4.3000 PVC Pipe	4.70.002 (1) (1)	3" x1" CPVC coupling New	1.00	Ea	50.00	50.00	103.78	103.78	103.78	103.78
4.3000 PVC Pipe	4.70.002 (1) (2)	3" PVC 90 elbow New	1.00	Ea	20.00	20.00	19.22	19.22	19.22	19.22
4.3000 PVC Pipe	4.70.002 (1) (3)	3" tap sleeve	1.00	Ea	520.00	520.00	596.89	596.89	596.89	596.89
4.3000 PVC Pipe	4.70.002 (1) (4)	3" PVC coupling New	1.00	Ea	80.00	80.00	242.57	242.57	242.57	242.57
4.3000 PVC Pipe	4.70.002 (1) (5)	3" CPVC 90 elbow New	1.00	Ea	220.00	220.00	109.57	109.57	109.57	109.57
4.3000 PVC Pipe	4.70.002 (1) (6)	3" PVC Pipe New	1.00	PLS	480.00	480.00	381.54	381.54	381.54	381.54
4.3000 PVC Pipe	4.70.002 (1) (7)	3"x2" CPVC coupling New	1.00	Ea	130.00	130.00	84.78	84.78	84.78	84.78
4.3000 PVC Pipe	4.70.002 (1) (8)	3" CPVC Pipe New	1.00	Ea	830.00	830.00	301.23	301.23	301.23	301.23
4.3000 PVC Pipe	4.70.002 (2)	PVC/CPVC Pipe Chem - 3" pipe	1.00	LF	400.00	400.00	286.15	286.15	286.15	286.15
4.3000 PVC Pipe	4.70.002 (2) (1)	PVC/CPVC Pipe Chem - 3" flex	1.00	PLS	40.00	40.00	242.57	242.57	242.57	242.57
4.3000 PVC Pipe	4.70.002 (2) (2)	PVC/CPVC Pipe Chem 3" tee	1.00	Ea	40.00	40.00	35.37	35.37	35.37	35.37
4.3000 PVC Pipe	4.70.002 (2) (3)	PVC/CPVC Pipe Chem 90 elbow	1.00	Ea	190.00	190.00	153.76	153.76	153.76	153.76
4.3000 PVC Pipe	4.70.002 (2) (5)	PVC/CPVC Pipe Chem - 8" pipe	1.00	LF	400.00	400.00	0.00	0.00	-FREE-	-FREE-
4.3000 PVC Pipe	4.70.002 (2) (8)	PVC/CPVC Pipe Chem bushing	1.00	PLS	50.00	50.00	57.42	57.42	57.42	57.42
Scope Item				Quote Group						

Quote Description:			Plug	Detail		4.3500 Ductile Iron Pipe - C&B piping		4.3500 Ductile Iron Pipe - Fortiline	
Awarded Total:			0.00	0.00		0.00		0.00	
Quoted Items Total:			185,470.00	0.00		93,009.35		111,461.75	
Special Conditions:			0.00	0.00		0.00		0.00	
Quoted Total:			185,470.00	0.00		93,009.35		111,461.75	
Last Update:						12/17/2024 4:25:13 PM		12/17/2024 4:25:22 PM	
Comparable Total:			185,470.00	124,882.15		93,009.35		115,773.13	
Seller:						C&B Piping		Fortiline	
Buyer's Special Terms & Conditions:									
Seller's Special Terms & Conditions:									
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total
4.3500 Ductile Iron Pipe	4.70.001 (1)	4" expansion joint New	1.00 Ea	2,490.00	2,490.00	1,957.71	1,957.71	913.00	913.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (1)	8" Ductile Iron tee New	1.00 Ea	3,550.00	3,550.00	2,503.06	2,503.06	1,874.00	1,874.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (10)	6"x4" Ductile Iron Reducer New	1.00 Ea	1,940.00	1,940.00	2,057.01	2,057.01	1,540.00	1,540.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (11)	6" Ductile Iron Pipe New	1.00 LF	18,750.00	18,750.00	29,991.16	29,991.16	22,282.00	22,282.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (12)	4" Ductile Iron Pipe New	1.00 LF	370.00	370.00	0.00	0.00	-FREE-	-FREE-
4.3500 Ductile Iron Pipe	4.70.001 (1) (13)	6" megalug New	1.00 PLS	390.00	390.00	412.56	412.56	320.35	320.35
4.3500 Ductile Iron Pipe	4.70.001 (1) (14)	24" Ductile Iron tee New	1.00 Ea	44,540.00	44,540.00	8,926.14	8,926.14	6,919.00	6,919.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (15)	6" Ductile Iron tee New	1.00 Ea	2,260.00	2,260.00	1,601.12	1,601.12	1,199.00	1,199.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (16)	8" Ductile Iron 90 elbow New	1.00 Ea	7,910.00	7,910.00	6,661.94	6,661.94	4,988.00	4,988.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (17)	24" Ductile Iron 90 elbow New	1.00 Ea	70,910.00	70,910.00	13,311.59	13,311.59	9,966.00	9,966.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (3)	6" bellow New	1.00 PLS	2,850.00	2,850.00	2,353.68	2,353.68	725.00	725.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (4)	6" Ductile Iron 45 elbow New	1.00 Ea	1,960.00	1,960.00	1,588.84	1,588.84	1,189.00	1,189.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (5)	8"x4" Ductile Iron reducer New	1.00 Ea	1,400.00	1,400.00	1,451.21	1,451.21	1,087.00	1,087.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (6)	8" Ductile Iron Pipe New	1.00 LF	13,150.00	13,150.00	21,385.16	21,385.16	13,946.00	13,946.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (7)	24" Ductile Iron Pipe New	1.00 LF	4,300.00	4,300.00	23,114.39	23,114.39	20,935.00	20,935.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (8)	6" Ductile Iron 90 elbow New	1.00 Ea	5,840.00	5,840.00	5,208.26	5,208.26	3,167.00	3,167.00
4.3500 Ductile Iron Pipe	4.70.001 (1) (9)	4" Ductile Iron 90 elbow New	1.00 Ea	860.00	860.00	820.84	820.84	615.00	615.00
4.3500 Ductile Iron Pipe	4.70.001 (2)	Ductile Iron Pipe Chem - 90 elbow	1.00 Ea	1,400.00	1,400.00	1,317.27	1,317.27	941.00	941.00
4.3500 Ductile Iron Pipe	4.70.001 (2) (2)	Ductile Iron Pipe Chem - tap saddle	1.00 PLS	600.00	600.00	220.21	220.21	403.00	403.00
Scope Item	Quote Group								

Quote Description: 4.3500 Ductile Iron Pipe - Ferguson			124,882.15							
Awarded Total:			124,882.15							
Quoted Items Total:			109,998.88							
Special Conditions:			14,883.27							
Quoted Total:			124,882.15							
Last Update:			12/17/2024 4:48:06 PM							
Comparable Total:			124,882.15							
Seller:			Ferguson							
Buyer's Special Terms & Conditions:										
Seller's Special Terms & Conditions:			Extended warranty through 6/2028: \$14,883.27							
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total
4.3500 Ductile Iron Pipe	4.70.001 (1)	4" expansion joint New	1.00	Ea	 1,957.71	1,957.71				
4.3500 Ductile Iron Pipe	4.70.001 (1) (1)	8" Ductile Iron tee New	1.00	Ea	 2,503.06	2,503.06				
4.3500 Ductile Iron Pipe	4.70.001 (1) (10)	6"x4" Ductile Iron Reducer New	1.00	Ea	 2,057.01	2,057.01				
4.3500 Ductile Iron Pipe	4.70.001 (1) (11)	6" Ductile Iron Pipe New	1.00	LF	 29,991.16	29,991.16				
4.3500 Ductile Iron Pipe	4.70.001 (1) (12)	4" Ductile Iron Pipe New	1.00	LF	 -FREE-	-FREE-				
4.3500 Ductile Iron Pipe	4.70.001 (1) (13)	6" megalug New	1.00	PLS	 412.56	412.56				
4.3500 Ductile Iron Pipe	4.70.001 (1) (14)	24" Ductile Iron tee New	1.00	Ea	 8,926.14	8,926.14				
4.3500 Ductile Iron Pipe	4.70.001 (1) (15)	6" Ductile Iron tee New	1.00	Ea	 1,601.12	1,601.12				
4.3500 Ductile Iron Pipe	4.70.001 (1) (16)	8" Ductile Iron 90 elbow New	1.00	Ea	 6,661.94	6,661.94				
4.3500 Ductile Iron Pipe	4.70.001 (1) (17)	24" Ductile Iron 90 elbow New	1.00	Ea	 13,311.59	13,311.59				
4.3500 Ductile Iron Pipe	4.70.001 (1) (3)	6" bellow New	1.00	PLS	 2,353.68	2,353.68				
4.3500 Ductile Iron Pipe	4.70.001 (1) (4)	6" Ductile Iron 45 elbow New	1.00	Ea	 1,588.84	1,588.84				
4.3500 Ductile Iron Pipe	4.70.001 (1) (5)	8"x4" Ductile Iron reducer New	1.00	Ea	 1,451.21	1,451.21				
4.3500 Ductile Iron Pipe	4.70.001 (1) (6)	8" Ductile Iron Pipe New	1.00	LF	 21,385.16	21,385.16				
4.3500 Ductile Iron Pipe	4.70.001 (1) (7)	24" Ductile Iron Pipe New	1.00	LF	 23,114.39	23,114.39				
4.3500 Ductile Iron Pipe	4.70.001 (1) (8)	6" Ductile Iron 90 elbow New	1.00	Ea	 5,208.26	5,208.26				
4.3500 Ductile Iron Pipe	4.70.001 (1) (9)	4" Ductile Iron 90 elbow New	1.00	Ea	 820.84	820.84				
4.3500 Ductile Iron Pipe	4.70.001 (2)	Ductile Iron Pipe Chem - 90 elbow	1.00	Ea	 1,317.27	1,317.27				
4.3500 Ductile Iron Pipe	4.70.001 (2) (2)	Ductile Iron Pipe Chem - tap saddle	1.00	PLS	 220.21	220.21				
Scope Item	Quote Group									

Quote Description:				Plug	Detail		4.3550 Pipe Supports - Ferguson			4.3550 Pipe Supports - Fortiline		
Awarded Total:				0.00	0.00		211,412.50			0.00		
Quoted Items Total:				86,240.00	0.00		203,412.50			284,713.47		
Special Conditions:				0.00	0.00		8,000.00			0.00		
Quoted Total:				86,240.00	0.00		211,412.50			284,713.47		
Last Update:							12/17/2024 4:26:28 PM			12/17/2024 4:26:37 PM		
Comparable Total:				86,240.00	211,412.50		211,412.50			284,713.47		
Seller:							Ferguson			Fortiline		
Buyer's Special Terms & Conditions:							Engineering cost					
Seller's Special Terms & Conditions:												
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
4.3550 Pipe Supports	4.70.003 (1) (1)	20" sliding New	1.00	PLS	9,310.00	89,642.12	89,642.12	 89,642.12	89,642.12	137,195.12	137,195.12	
4.3550 Pipe Supports	4.70.003 (1) (10)	20" fixed New	1.00	PLS	3,100.00	29,049.24	29,049.24	 29,049.24	29,049.24	39,634.15	39,634.15	
4.3550 Pipe Supports	4.70.003 (1) (2)	10" sliding New	1.00	PLS	170.00	4,157.32	4,157.32	 4,157.32	4,157.32	5,975.61	5,975.61	
4.3550 Pipe Supports	4.70.003 (1) (3)	14" fixed New	1.00	PLS	1,400.00	22,995.15	22,995.15	 22,995.15	22,995.15	35,975.61	35,975.61	
4.3550 Pipe Supports	4.70.003 (1) (4)	6" adjustable New	1.00	PLS	38,320.00	12,718.79	12,718.79	 12,718.79	12,718.79	6,371.97	6,371.97	
4.3550 Pipe Supports	4.70.003 (1) (6)	14" sliding New	1.00	PLS	1,680.00	27,594.18	27,594.18	 27,594.18	27,594.18	35,853.66	35,853.66	
4.3550 Pipe Supports	4.70.003 (1) (8)	8" adjustable New	1.00	PLS	31,580.00	9,250.03	9,250.03	 9,250.03	9,250.03	4,682.96	4,682.96	
4.3550 Pipe Supports	4.70.003 (1) (9)	10" fixed New	1.00	PLS	680.00	16,005.67	16,005.67	 16,005.67	16,005.67	19,024.39	19,024.39	
Scope Item				Quote Group								

Quote Description:			Plug	Detail		4.4000 Valves - Ferguson		4.4000 Valves - Fortiline	
Awarded Total:			0.00	0.00		88,496.46		0.00	
Quoted Items Total:			120,200.00	0.00		88,496.46		92,932.27	
Special Conditions:			0.00	0.00		0.00		0.00	
Quoted Total:			120,200.00	0.00		88,496.46		92,932.27	
Last Update:						12/17/2024 4:15:37 PM		12/17/2024 4:17:57 PM	
Comparable Total:			120,200.00	88,496.46		88,496.46		97,504.43	
Seller:						Ferguson		Fortiline	
Buyer's Special Terms & Conditions:									
Seller's Special Terms & Conditions:									
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total
4.4000 Valves	4.70.005 (1)	8" PV new	1.00 PLS	13,470.00	13,470.00	7,591.56	7,591.56	8,170.76	8,170.76
4.4000 Valves	4.70.005 (1) (1)	6" PV new	1.00 PLS	10,410.00	10,410.00	4,647.24	4,647.24	4,934.92	4,934.92
4.4000 Valves	4.70.005 (1) (10)	3" BV new	1.00 PLS	920.00	920.00	958.40	958.40	958.40	958.40
4.4000 Valves	4.70.005 (1) (11)	6" BFV new	1.00 PLS	3,220.00	3,220.00	1,126.96	1,126.96	1,839.78	1,839.78
4.4000 Valves	4.70.005 (1) (12)	2" BV new	1.00 PLS	400.00	400.00	303.70	303.70	303.70	303.70
4.4000 Valves	4.70.005 (1) (2)	10" BFV new	1.00 PLS	42,870.00	42,870.00	24,782.66	24,782.66	30,869.23	30,869.23
4.4000 Valves	4.70.005 (1) (3)	2" AVAR new	1.00 PLS	3,060.00	3,060.00	676.92	676.92	1,102.11	1,102.11
4.4000 Valves	4.70.005 (1) (4)	6" CV new	1.00 PLS	9,190.00	9,190.00	6,970.89	6,970.89	4,635.29	4,635.29
4.4000 Valves	4.70.005 (1) (5)	20" BFV new	1.00 PLS	16,540.00	16,540.00	13,787.80	13,787.80	16,614.72	16,614.72
4.4000 Valves	4.70.005 (1) (6)	2" ARV new	1.00 PLS	1,000.00	1,000.00	676.92	676.92	1,102.11	1,102.11
4.4000 Valves	4.70.005 (1) (7)	1/4" BV new	1.00 PLS	1,710.00	1,710.00	650.46	650.46	650.46	650.46
4.4000 Valves	4.70.005 (1) (8)	3" FCV new	1.00 PLS	3,060.00	3,060.00	17,835.51	17,835.51	17,835.51	17,835.51
4.4000 Valves	4.70.005 (1) (9)	2" PRV new	1.00 PLS	8,420.00	8,420.00	5,827.84	5,827.84	5,827.84	5,827.84
4.4000 Valves	4.70.005 (2) (2)	Valves Chem - 1-1/2" BV	1.00 PLS	480.00	480.00	323.63	323.63	323.63	323.63
4.4000 Valves	4.70.005 (2) (3)	Valves Chem - 2" BV	1.00 PLS	1,000.00	1,000.00	759.23	759.23	759.23	759.23
4.4000 Valves	4.70.005 (2) (4)	Valves Chem 3" BV	1.00 PLS	920.00	920.00	734.43	734.43	734.43	734.43
4.4000 Valves	4.70.005 (2) (5)	Valves Chem - 1-1/4" BV	1.00 PLS	160.00	160.00	107.88	107.88	107.88	107.88
4.4000 Valves	4.70.005 (2) (6)	Valves Chem - CV	1.00 PLS	3,370.00	3,370.00	734.43	734.43	734.43	734.43
Scope Item			Quote Group						

Quote Description: Plug				Detail		4.5750 Carbon Steel Pipe - Ferguson		4.5750 Carbon Steel Pipe - Ferguson (Revised 12/18)	
Awarded Total:				0.00		0.00		237,175.85	
Quoted Items Total:				662,230.00		101,243.36		227,175.85	
Special Conditions:				0.00		10,000.00		10,000.00	
Quoted Total:				662,230.00		111,243.36		237,175.85	
Last Update:						12/18/2024 8:30:13 AM		12/18/2024 10:31:58 AM	
Comparable Total:				662,230.00		237,175.85		237,175.85	
Seller:						Ferguson		Ferguson	
Buyer's Special Terms & Conditions:						Extended warranty through 6/2028: \$10,000		Extended warranty through 6/2028: \$10,000	
Seller's Special Terms & Conditions:									
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total
4.5750 Carbon steel pipe	4.70.004 (1)	10" Carbon Steel Pipe New	1.00 PLS	70,570.00	70,570.00	0.00	0.00	 -FREE-	-FREE-
4.5750 Carbon steel pipe	4.70.004 (1) (1)	14" Carbon Steel expansion joint New	1.00 PLS	31,680.00	31,680.00	15,288.39	15,288.39	 15,288.39	15,288.39
4.5750 Carbon steel pipe	4.70.004 (1) (2)	6" Carbon Steel Pipe New	1.00 PLS	1,340.00	1,340.00	0.00	0.00	 -FREE-	-FREE-
4.5750 Carbon steel pipe	4.70.004 (1) (3)	20" Carbon Steel expansion joint New	1.00 PLS	59,400.00	59,400.00	18,611.17	18,611.17	 18,611.17	18,611.17
4.5750 Carbon steel pipe	4.70.004 (1) (4)	10" Carbon Steel Expansion joint New	1.00 PLS	5,540.00	5,540.00	3,782.57	3,782.57	 3,782.57	3,782.57
4.5750 Carbon steel pipe	4.70.004 (1) (5)	30" Carbon Steel Pipe New	1.00 PLS	2,260.00	2,260.00	0.00	0.00	 -FREE-	-FREE-
4.5750 Carbon steel pipe	4.70.004 (1) (6)	20" Carbon Steel Pipe New	1.00 PLS	384,810.00	384,810.00	199,493.72	199,493.72	 199,493.72	199,493.72
4.5750 Carbon steel pipe	4.70.004 (1) (7)	14" Carbon Steel Pipe New	1.00 PLS	106,630.00	106,630.00	0.00	0.00	 -FREE-	-FREE-
Scope Item				Quote Group					

(2 of 2)

Quote Description: 4.5750 Carbon Steel Pipe - Fortiline				0.00					
Awarded Total:									
Quoted Items Total:				19,261.52					
Special Conditions:				35,000.00					
Quoted Total:				54,261.52					
Last Update:				12/18/2024 10:35:51 AM					
Comparable Total:				272,366.40					
Seller:				Fortiline					
Buyer's Special Terms & Conditions:									
Seller's Special Terms & Conditions:				Freight: \$35,000					
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total
4.5750 Carbon steel pipe	4.70.004 (1)	10" Carbon Steel Pipe New	1.00 PLS	0.00	0.00				
4.5750 Carbon steel pipe	4.70.004 (1) (1)	14" Carbon Steel expansion joint New	1.00 PLS	44,303.88	44,303.88				
4.5750 Carbon steel pipe	4.70.004 (1) (2)	6" Carbon Steel Pipe New	1.00 PLS	-FREE-	-FREE-				
4.5750 Carbon steel pipe	4.70.004 (1) (3)	20" Carbon Steel expansion joint New	1.00 PLS	18,611.17	18,611.17				
4.5750 Carbon steel pipe	4.70.004 (1) (4)	10" Carbon Steel Expansion joint New	1.00 PLS	9,957.64	9,957.64				
4.5750 Carbon steel pipe	4.70.004 (1) (5)	30" Carbon Steel Pipe New	1.00 PLS	0.00	0.00				
4.5750 Carbon steel pipe	4.70.004 (1) (6)	20" Carbon Steel Pipe New	1.00 PLS	199,493.72	199,493.72				
4.5750 Carbon steel pipe	4.70.004 (1) (7)	14" Carbon Steel Pipe New	1.00 PLS	0.00	0.00				
Scope Item				Quote Group					

December 18, 2024



All Bidders

Re: Tres Rios Anita Mox

Bid Date: December 16, 2024

***** Preliminary Scope *****

We are pleased to offer our quotation for the carbon steel pipe and fittings on the above referenced project per plans, specification and addenda No's., as follows:

20", 14" and 10" CARBON PA PIPE

- 24", 14" and 10" carbon steel pipe as shown highlighted (blue) on sheet C002, M100, M104 and M200.
- STT and flux cored welded
- Carbozinc 11 Lining
- Carbozinc 11 primed + Thermaline 4000 coated
- Liquid Dye Penetrant tested
- Import material

Total Lump Sum Price for PA pipe - \$ 191,082.50



Please note the following:

- The above are furnished including elbows, reducers, caps, flanges, flanged outlets, threaded outlets.
- The above price does not include unless noted otherwise: Victaulic couplings, valves, non-mating flange insulation kits, valve bolting, mating and non-mating bolt, nut & gasket sets, flow meters, back flow preventers, pumps, pipe supports, pipe hangers, pipe straps, PVC pipe, copper pipe, and ductile iron pipe.
- Shop drawings and submittals are included in the above pricing.
- Import Material

Certifications and Capabilities

- Jifco, Inc. of Texas is an SPFA certified fabricator and an LRQA ISO 9001-2008 company.
- AWS Certified Welding Inspector
- NACE Level 3 Inspector
- SNT-TC-1A Level 2 Inspectors (UT)
- In House SNT-TC-1A Level 2 Inspectors (PT, and MT)



Payment Terms and Conditions

- Price is good for 60 days from Bid Date.
- Full payment of invoiced amount is due 30 days after invoice date. No retention is allowed.
- All proposals and sales are subject to approval of credit.
- The material is quoted F.O.B. Kosse Texas, with full freight allowed to the jobsite. Freight allowance is based upon shipments in full truckload quantities. Less than full truckloads and emergency shipments are for the buyer's account.
- Sales tax has not been included and will be charged in addition to the prices quoted.

Thank you,

Sergio Ramirez
854 587 2245
Jifco, Inc. of Texas



Mrs. Jamie Germann
Outside Sales, AZ-NM-El Paso
Strategic Infrastructure Group (Plant Division)

Ferguson Waterworks
1324 S. 3rd Street # 140 Phoenix, AZ 85004
Office (602) 495-8420
Direct Mobile (480) 619-3382
E: jamie.germann@ferguson.com

12/13/2024
Pricing is valid for 30 days
Quoting Import Materials

Please reference warranty charges where applicable at bottom of quote, as well as listed in my email exceptions

COMMERCIAL BID FORM - EQUIPMENT & MATERIAL

[Attention Bidder: Please Enter Information in Non-Shaded Cells Only]

res, BNG, and Pipe Supports

BID DUE: 11-Dec-2024		BID DURATION: 22 Days		Bidder may use the spaces in this column to enter comments.	
RFP SENT: 19-Nov-2024					
BIDDER INFORMATION		BIDDER COMMENTS			
Project No.: Tres Rios, Sidestream Anitamo Process (SANOMX)		Bidder Legal Name:			
Project Name: Filma County		Bidder Contact Name:			
Owner: 7101 N Casa Grande Hwy, Tucson, AZ 85743		Bidder Contact Email:			
Job Site: Pipe, Fittings, Valves, BNG, and Pipe Supports		Bidder Phone:			
RFP Description:		Bid Date or "No Bid":			
		Bid Valid Until Date:			
		Bid Validity Duration:			
		Firm or Budgetary:			
		Bidder Proposal Reference:			
		Quoted Currency:			
		Exchange Rate (1): \$1.00			
PROPOSAL PRICE		Qty.		Unit	
Pricing Breakdown		Unit Price (\$)		Definition	
Equipment/ Material		Total			
48" Aeration Header Pipeline Materials – Materials shall follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs					
1	48" Ø Carbon Steel Pipe	552	LF	\$382.50	\$ 211,140.00
2	48" Ø Weld-on Flange	36	EA	\$1,306.25	\$ 47,025.00
3	48" Ø Blind Flange	2	EA	\$6,193.75	\$ 12,387.50
4	48" Ø Butterfly Valve	1	EA	\$48,889.81	\$ 48,889.81
5	48" Ø Motor-Actuated Butterfly Valve - ***OPTION 1***	1	EA	\$65,124.36	\$ 65,124.36
5.1	48" Ø Motor-Actuated Butterfly Valve - ***OPTION 2***	0	EA	\$74,749.93	\$ -
5.2	48" Ø Motor-Actuated Butterfly Valve - ***OPTION 3***	0	EA	\$87,102.87	\$ -
6	48" Ø Expansion Joints	16	EA	\$22,865.85	\$ 365,853.66
7	48" Ø Bolt-Nut-Gasket Kit	36	EA	\$905.79	\$ 32,608.54
Pricing for Options Requested or Offered					
48" Aeration Header Optional Pipeline Materials – Materials to Follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs					
1	48" Ø Fabricated Sliding Saddle Support	39	EA	\$2,750.00	\$ 107,250.00
2	48" Ø Butt-Strap Joint (Ship loose)	4	EA	\$375.00	\$ 1,500.00
3	48" Ø Weld-on Flange (ship loose)	1	EA	\$1,306.25	\$ 1,306.25
4	48" Ø Blind Flange	1	EA	\$6,193.75	\$ 6,193.75
ANITAMOX Pipeline Materials – Materials to Follow Sidestream ANITAMOX Process (SANOMX) Plans and Specs					
Process Air Pipeline – Carbon Steel					
5	30" Ø Carbon Steel Fabricated Pipe	2	LF	\$220.00	\$ 440.00
6	20" Ø Carbon Steel Fabricated Pipe	344	LF	\$115.00	\$ 39,560.00
7	14" Ø Carbon Steel Fabricated Pipe	136	LF	\$73.75	\$ 10,030.00
8	10" Ø Carbon Steel Fabricated Pipe	130	LF	\$55.00	\$ 7,150.00
9	30" Ø Weld-on Flange	1	EA	\$406.25	\$ 406.25
10	20" Ø Weld-on Flange	18	EA	\$187.50	\$ 3,375.00
11	14" Ø Weld-on Flange	4	EA	\$118.75	\$ 475.00
12	10" Ø Weld-on Flange	27	EA	\$68.75	\$ 1,856.25
13	20" Ø Butterfly Valve	1	EA	\$13,787.80	\$ 13,787.80
14	10" Ø Butterfly Valve	4	EA	\$3,540.38	\$ 14,161.51
15	10" Ø Motor-Actuated Butterfly Valve	0	EA	\$3,400.00	\$ 3,400.00
16	10" Modulating Valve	3	EA	\$12,813.42	\$ 38,440.27
17	30" Ø Bolt-Nut-Gasket Kit	1	EA	\$876.29	\$ 876.29
18	20" Ø Bolt-Nut-Gasket Kit	12	EA	\$430.88	\$ 5,170.54
19	14" Ø Bolt-Nut-Gasket Kit	8	EA	\$246.20	\$ 1,969.56
20	10" Ø Bolt-Nut-Gasket Kit	20	EA	\$174.49	\$ 3,489.76
20.1	6" Ø Bolt-Nut-Gasket Kit	16	EA	\$109.56	\$ 1,752.98
21	14" Ø Victaulic Model 231 Expansion Coupling	3	EA	\$4,029.99	\$ 12,089.96
22	10" Ø Victaulic Model 231 Expansion Coupling	1	EA	\$3,623.09	\$ 3,623.09
23	20" Sliding Saddle Support	15	EA	\$5,750.00	\$ 86,250.00
24	20" Fixed Saddle Support	5	EA	\$5,590.00	\$ 27,950.00
25	14" Sliding Saddle Support	6	EA	\$4,425.00	\$ 26,550.00
26	14" Fixed Saddle Support	5	EA	\$4,425.00	\$ 22,125.00
27	10" Sliding Saddle Support	1	EA	\$4,000.00	\$ 4,000.00
28	10" Fixed Saddle Support	4	EA	\$3,850.00	\$ 15,400.00
29	20" Ø Expansion Joint	5	EA	\$3,890.24	\$ 19,451.22
30	14" Ø Expansion Joint	1	EA	\$2,786.59	\$ 2,786.59
Reactor Centrate Feed Pipeline – Ductile Iron					
32	6" Ø Ductile Iron Pipe	55	LF	\$56.32	\$ 3,095.55
33	6" Ø Ductile Iron Pipe 4'10" FlxFlg Spool	1	EA	\$893.05	\$ 893.05
34	6" Ø Ductile Iron Pipe 2' FlxFlg Spool	1	EA	\$518.32	\$ 518.32
35	6" Ø Ductile Iron Pipe 14'9" FlxFlg Spool	1	EA	\$2,142.41	\$ 2,142.41
36	6" Ø Ductile Iron Pipe 19'6" FlxFlg Spool	1	EA	\$2,972.86	\$ 2,972.86
37	6" Ø Ductile Iron Pipe 10' FlxPE Spool	2	EA	\$1,378.64	\$ 2,757.27
38	6" Ø Ductile Iron Pipe 13'9" FlxFlg Spool	1	EA	\$2,017.64	\$ 2,017.64
39	6" Ø Ductile Iron 90 Deg Bend (FLG)	4	EA	\$553.62	\$ 2,214.49
40	6" Ø Ductile Iron 45 Deg Bend (FLG)	1	EA	\$514.66	\$ 514.66
41	6" Ø Ductile Iron 90 Deg Bend (MJ)	2	EA	\$404.26	\$ 808.52
42	6" Ø Ductile Iron 45 Deg Bend (MJ)	1	EA	\$370.16	\$ 370.16
43	6" Ø Ductile Iron Megalug	6	EA	\$33.04	\$ 198.21
44	6" Ø Ductile Iron Tee (FLG)	1	EA	\$705.15	\$ 705.15
45	6" Ø Ductile Iron Tapped Blind	1	EA	\$400.47	\$ 400.47
46	6" Ø Bolt-Nut-Gasket Kit	15	EA	\$82.20	\$ 1,232.93
47	2" Combination ARV	1	EA	\$676.92	\$ 676.92
47.1	2" Ball Valve	1	EA	\$98.48	\$ 98.48
48	Adjustable Pipe Supports	5	EA	\$1,112.50	\$ 5,562.50
BLDG 70 Centrate Line – Ductile Iron					
50	Ductile Iron Pipe Fitting 8" Tee (FLG)	1	EA	\$1,102.38	\$ 1,102.38
51	Ductile Iron Pipe Fitting 8x6" Reducer (FLG)	3	EA	\$672.14	\$ 2,016.42
52	Ductile Iron Pipe Fitting 6x4" Reducer (FLG)	2	EA	\$452.96	\$ 905.93
53	Ductile Iron Pipe Spool 6" - 4'4" FlxFlg Spool	1	EA	\$830.45	\$ 830.45
54	Ductile Iron Pipe Spool 6" - 5' FlxFlg Spool	2	EA	\$893.05	\$ 1,786.09
55	Ductile Iron Pipe Spool 6" - 1'3" FlxFlg Spool	2	EA	\$455.73	\$ 911.45
56	8" Bolt-Nut-Gasket Kit CS 150#	8	EA	\$110.39	\$ 883.12
57	6" Bolt-Nut-Gasket Kit CS 150#	14	EA	\$82.20	\$ 1,150.73
57.1	6" Bolt-Nut-Gasket Kit SS316 150#	15	EA	\$82.20	\$ 1,232.93
58	4" Bolt-Nut-Gasket Kit	2	EA	\$51.65	\$ 103.29
58.1	6" Insulation Flange Kits 150#	15	EA	\$100.07	\$ 1,501.10
58.2	4" Insulation Flange Kits 150#	2	EA	\$65.50	\$ 131.00
59	8" Plug Valve	2	EA	\$1,897.89	\$ 3,795.78

60	6" Plug Valve	2	EA	\$1,161.81		\$	2,323.62	
61	6" Check Valve	2	EA	\$3,485.44		\$	6,970.89	
62	6" Expansion Joint	2	EA	\$1,036.59		\$	2,073.17	Assumed EPDM tube and cover, single arch with 150# fig and SS reatining rings and contrl rods - no specification located
63	6" Saddle Tap	3	EA	\$171.78		\$	515.34	
64	8" Saddle Tap	3	EA	\$193.97		\$	581.90	
Effluent Suction Pipeline – Ductile Iron				0		\$	-	
65	24" Ductile Iron Spool 3'10" FlgxFlg	2	EA	\$4,530.27		\$	9,060.55	
66	24" Ductile Iron Spool 1'6" FlgxFlg	1	EA	\$3,060.41		\$	3,060.41	
67	24" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$5,862.56		\$	11,725.13	
68	24" Ductile Iron Fitting Tee (FLG)	1	EA	\$7,862.34		\$	7,862.34	
69	24" Ductile Iron Fitting Wall Spool FlgxFlg	2	EA	\$3,060.41		\$	6,120.82	Assumed 1'6" long
70	24" Ductile Iron Fitting Wall Spool FlgxPe	1	EA	\$2,117.88		\$	2,117.88	Assumed 1'6" long
71	24" Ductile Iron Bolt-Nut-Gasket Kit	10	EA	\$484.95		\$	4,849.51	Quoting DI spec - A307B with FF 1/8 gasket
72	8" Ductile Iron Spool 20' FlgxPE	1	EA	\$3,528.88		\$	3,528.88	
73	8" Ductile Iron Spool 10'7" FlgxFlg	1	EA	\$2,150.18		\$	2,150.18	
74	8" Ductile Iron Spool 1'1" FlgxFlg	1	EA	\$640.23		\$	640.23	
75	8" Ductile Iron Spool 1'3" FlgxFlg	1	EA	\$640.23		\$	640.23	
76	8" Ductile Iron Spool 3'7" FlgxFlg	1	EA	\$1,037.45		\$	1,037.45	
77	8" Ductile Iron Spool 11'7" FlgxPE	1	EA	\$2,100.27		\$	2,100.27	
78	8" Ductile Iron Spool 9'4" FlgxFlg	1	EA	\$1,912.09		\$	1,912.09	
79	8" Ductile Iron Fitting 90 Deg Bend (FLG)	7	EA	\$838.28		\$	5,867.98	
80	8" Ductile Iron Fitting Tee (FLG)	2	EA	\$1,102.38		\$	2,204.76	
81	Ductile Iron Fitting 8"x4" Reducer (FLG)	2	EA	\$639.13		\$	1,278.26	
Effluent Discharge Pipeline – Ductile Iron				0		\$	-	
83	6x4" Ductile Iron Fitting Reducer (FLG)	2	EA	\$452.96		\$	905.93	
84	8" Ductile Iron Plug Valve	4	EA	\$1,897.89		\$	7,591.56	
85	8" Ductile Iron Support Adjustable Support	5	EA	\$1,112.50		\$	5,562.50	Assumed 36" centerline - HDG
86	8" Ductile Iron Spool 6'2" FlgxFlg	1	EA	\$1,435.09		\$	1,435.09	
87	8" Ductile Iron Spool 1'2" FlgxFlg	2	EA	\$640.23		\$	1,280.45	
88	8" Ductile Iron Spool 4" FlgxFlg	1	EA	\$582.75		\$	582.75	
89	8" Ductile Iron Fitting Saddle Tap	2	EA	\$193.97		\$	387.93	
90	8" Ductile Iron Bolt-Nut-Gasket Kit	27	EA	\$59.34		\$	1,602.22	Quoting DI spec - A307B with FF 1/8 gasket
91	6" Ductile Iron Plug Valve	2	EA	\$1,161.81		\$	2,323.62	
93	6" Ductile Iron Gate Valve (MJ)	1	EA	\$955.52		\$	955.52	
93.1	6" Ductile Iron Butterfly Valve	1	EA	\$1,126.96		\$	1,126.96	
94	6" Ductile Iron Adjustable Support	6	EA	\$405.00		\$	2,430.00	Assumed 36" centerline - HDG
95	6" Ductile Iron Spool 2'11" FlgxFlg	1	EA	\$643.09		\$	643.09	
96	6" Ductile Iron Spool 1'4" FlgxFlg	1	EA	\$455.73		\$	455.73	
97	6" Ductile Iron Spool 8'4" FlgxFlg	1	EA	\$1,330.36		\$	1,330.36	
98	6" Ductile Iron Spool 1'5" FlgxFlg	1	EA	\$455.73		\$	455.73	
99	6" Ductile Iron Spool 5'8" FlgxFlg	1	EA	\$1,017.82		\$	1,017.82	
100	6" Ductile Iron Spool 5'5" FlgxFlg	1	EA	\$955.64		\$	955.64	
101	6" Ductile Iron Spool 10' FlgxPE	1	EA	\$1,378.64		\$	1,378.64	
102	6" Ductile Iron Pipe	40	LF	\$56.32		\$	2,252.77	Assumed P401 lined Flexring PC350
103	6" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$580.14		\$	1,160.28	
104	6" Ductile Iron Fitting Tee (FLG)	1	EA	\$705.15		\$	705.15	
105	6" Ductile Iron Fitting 90 Deg Bend (MJ)	1	EA	\$404.26		\$	404.26	
106	6" Ductile Iron Fitting 45 Deg Bend (MJ)	1	EA	\$370.16		\$	370.16	
107	6" Ductile Iron Fitting Tee (MJ)	1	EA	\$498.68		\$	498.68	
108	6" Ductile Iron Fitting Solid Sleeve (MJ)	1	EA	\$386.40		\$	386.40	
109	6" Ductile Iron Fitting Megalug	11	EA	\$33.04		\$	363.39	
110	6" Ductile Iron Fitting Saddle Tap	4	EA	\$171.78		\$	687.12	
111	6" Ductile Iron Bolt-Nut-Gasket Kit	18	EA	\$50.34		\$	906.15	Quoting DI spec - A307B with FF 1/8 gasket
112	4" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$361.51		\$	723.01	
113	4" Ductile Iron El Expansion Joint	2	EA	\$862.20		\$	1,724.39	Assumed EPDM tube and cover, single arch with 150# fig and SS reatining rings and contrl rods - no specification located
114	4" Ductile Iron Bolt-Nut-Gasket Kit	2	EA	\$33.11		\$	66.22	Quoting DI spec - A307B with FF 1/8 gasket
115	4" Ductile Iron Bolt-Nut-Gasket Kit	6	EA	\$33.11		\$	198.66	Quoting DI spec - A307B with FF 1/8 gasket
116	2" Ductile Iron Valve Combination ARV	1	EA	\$676.92		\$	676.92	
PVC/CPVC				0		\$	-	
#	Item Name	Size	Type	Material	Drawing	Qty	UoM	\$
1	Pipe	1/2	Pipe	PVC Double Contain	C003	16	LF	\$0.00
2	Pipe	2	Pipe	PVC Double Contain	C003	16	LF	\$0.00
3	Back Pressure	2	Valves	PVC Double Contain	C003	1	EA	\$0.00
4	Pipe	1/2	Pipe	PVC Double Contain	C003	191	LF	\$0.00
5	Pipe	2	Pipe	PVC Double Contain	C003	191	LF	\$0.00
6	BNG Set SS316 150#	3	BNG Sets	PVC	M300	4	EA	\$16.84
7	90 Deg Elbow	3	Fittings	PVC	M300	7	EA	\$19.22
8	Bushing	3x1-1/2	Fittings	PVC	M300	2	EA	\$28.71
9	Tee	3	Fittings	PVC	M300	1	EA	\$35.37
10	Flex Coupling	3	Fittings	PVC	M300	1	EA	\$242.57
11	Pipe	3	Pipe	PVC	M300	40	LF	\$4.77
12	Ball Check	3	Valves	PVC	M300	2	EA	\$367.22
13	Check	3	Valves	PVC	M300	1	EA	\$367.22
14	Ball Check	1-1/2	Valves	PVC	M300	3	EA	\$107.88
15	Pipe	1/2	Pipe	PVC Double Contain	M300	18	LF	\$0.00
16	Pipe	2	Pipe	PVC Double Contain	M300	17	LF	\$0.00
17	Ball Check	2	Valves	PVC	M300	5	EA	\$151.85
18	BNG Set SS316 150#	2	BNG Sets	PVC	M300	1	EA	\$14.99
19	90 Deg Elbow	3	Fittings	PVC	M300	1	EA	\$19.22
20	Pipe	3	Pipe	PVC	M300	20	LF	\$4.77
21	BNG Set SS316 150#	3	BNG Sets	PVC	M300	3	EA	\$16.84
22	Check	3	Valves	PVC	M300	1	EA	\$367.22
23	Tap Sleeve	3, 2	Fittings	PVC	C003	1	EA	\$596.89
24	Pipe	3	Pipe	PVC	C003	40	LF	\$4.77
25	Ball Check	3	Valves	PVC	C003	1	EA	\$367.22
26	BNG Set SS316 150#	3	BNG Sets	CPVC	M100	6	EA	\$38.98
27	BNG Set SS316 150#	2	BNG Sets	CPVC	M100	4	EA	\$29.71
28	90 Deg Elbow	3	Fittings	CPVC	M100	3	EA	\$36.52
29	Reducing Coupling	3x1	Fittings	CPVC	M100	1	EA	\$103.78
30	Reducing Coupling	3x2	Fittings	CPVC	M100	1	EA	\$84.78
31	Tee	3	Fittings	CPVC	M100	2	EA	\$62.30
32	Pipe	3	Pipe	CPVC	M100	20	LF	\$15.06
33	Ball Check	3	Valves	CPVC	M100	1	EA	\$591.18
34	Flow Control	3	Valves	CPVC	M100	1	EA	\$0.00
35	Hose Bibb	3	Valves	CPVC	M100	1	EA	\$158.12
36	Ball Check	1/4	Valves	CPVC	M100	14	EA	\$46.46
37	Ball Check	2	Valves	CPVC	M100	1	EA	\$151.85
38	Pressure Relief	2	Valves	CPVC	M100	1	EA	\$0.00
39	BNG Set SS316 150#	3	BNG Sets	PVC	M100	2	EA	\$38.98
40	90 Deg Elbow	3	Fittings	PVC	M100	1	EA	\$19.22
41	Coupling	3	Fittings	PVC	M100	1	EA	\$25.71
42	Pipe	3	Pipe	PVC	M100	40	LF	\$4.77
43	SS Wall Spool w/WS	3	Pipe Spools	PVC	M100	1	Ea	\$323.08
	Extended Warranty for DI fittings and spools through 6/2028					1	ea	\$7,441.65
	Extended Warranty for Expansion Joints through 6/2028					1	ea	\$37,333.33
	Extended Warranty for ductile iron fittings and spools through 6/2028					1	ea	\$7,441.62
	Pipe Support Engineering Cost					1	ea	\$8,000.00
								\$ 1,499,631.46

The undersigned agrees, if this bid is accepted, to enter into a contract with Contractor in accordance with the terms and conditions outlined in the attached sample contract for the work described in the Instructions to Bidders and any subsequent addenda. Any and all deviations and/or exceptions taken by bidder to the terms, conditions, plans, specifications, codes, standards or this request for quote shall be clearly stated in writing and included as an attachment to the bid form.

Name/ Title

Company Name

Address

Date

Contact Phone

Email

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Sent proposal: —

Submitted Dec 11, 2024 at 3:26 PM MST

Fortiline Waterworks

4863 E Ingram St, Mesa, AZ 85205, USA

Sergio Salcido | National Account Manager | +1 480-562-0451 | +1 480-562-0451 | sergio.salcido@fortiline.com



Line Items

Description	Quantity	Unit Cost	Total Cost
48" AERATION HEADER PIPELINE MATERIALS – MATERIALS SHALL FOLLOW CLASS A BIOSOLIDS SOLAR DRYING FACILITY (3TRCAB) PLANS AND SPECS:			
48" Ø Carbon Steel Pipe	552	x —/linear foot	—
48" Ø Weld-on Flange	36	x —/each	—
48" Ø Blind Flange	2	x —/each	—
48" Ø Butterfly Valve	1	x —/each	—
48" Ø Motor-Actuated Butterfly Valve	1	x —/each	—
48" Ø Expansion Joints	16	x —/each	—
48" Ø Bolt-Nut-Gasket Kit	36	x —/each	—
Base Bid			\$0

Alternates

48" AERATION HEADER OPTIONAL PIPELINE MATERIALS – MATERIALS TO FOLLOW CLASS A BIOSOLIDS SOLAR DRYING FACILITY (3TRCAB) PLANS AND SPECS:

- 48" Ø Fabricated Sliding Saddle Support
- 48" Ø Butt-Strap Joint (Ship loose)
- 48" Ø Weld-on Flange (ship loose)
- 48" Ø Blind Flange

ANITAMOX PIPELINE MATERIALS – MATERIALS TO FOLLOW SIDESTREAM ANITAMOX PROCESS (3ANOMX) PLANS AND SPECS:

- 30" Ø Carbon Steel Fabricated Pipe
- 20" Ø Carbon Steel Fabricated Pipe
- 14" Ø Carbon Steel Fabricated Pipe
- 10" Ø Carbon Steel Fabricated Pipe
- 30" Ø Weld-on Flange
- 20" Ø Weld-on Flange
- 14" Ø Weld-on Flange
- 10" Ø Weld-on Flange
- 20" Ø Butterfly Valve
- 10" Ø Butterfly Valve
- 10" Ø Motor-Actuated Butterfly Valve
- 10" Modulating Valve
- 30" Ø Bolt-Nut-Gasket Kit

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20" Ø Bolt-Nut-Gasket Kit

14" Ø Bolt-Nut-Gasket Kit

10" Ø Bolt-Nut-Gasket Kit

14" Ø Victaulic Model 231 Expansion Coupling

10" Ø Victaulic Model 231 Expansion Coupling

20" Sliding Saddle Support

20" Fixed Saddle Support

14" Sliding Saddle Support

14" Fixed Saddle Support

10" Sliding Saddle Support

10" Fixed Saddle Support

20" Ø Expansion Joint

14" Ø Expansion Joint

REACTOR CENTRATE FEED PIPELINE -- DUCTILE IRON:

6" Ø Ductile Iron Pipe

6" Ø Ductile Iron Pipe 4'10" FlgxFlg Spool

6" Ø Ductile Iron Pipe 2' FlgxFlg Spool

6" Ø Ductile Iron Pipe 14'9" FlgxFlg Spool

6" Ø Ductile Iron Pipe 19'6" FlgxFlg Spool

6" Ø Ductile Iron Pipe 10' FlgxPE Spool

6" Ø Ductile Iron Pipe 13'9" FlgxFlg Spool

6" Ø Ductile Iron 90 Deg Bend (FLG)

6" Ø Ductile Iron 45 Deg Bend (FLG)

6" Ø Ductile Iron 90 Deg Bend (MJ)

6" Ø Ductile Iron 45 Deg Bend (MJ)

6" Ø Ductile Iron Megalug

6" Ø Ductile Iron Tee (FLG)

6" Ø Ductile Iron Tapped Blind

6" Ø Bolt-Nut-Gasket Kit

2" Combination ARV

Adjustable Pipe Supports

BLDG 70 CENTRATE LINE -- DUCTILE IRON:

Ductile Iron Pipe Fitting 8" Tee (FLG)

Ductile Iron Pipe Fitting 8x6" Reducer (FLG)

Ductile Iron Pipe Fitting 6x4" Reducer (FLG)

Ductile Iron Pipe Spool 6" - 4'4" FlgxFlg Spool

Ductile Iron Pipe Spool 6" - 5' FlgxFlg Spool

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Ductile Iron Pipe Spool 6" - 1'3" FlgxFlg Spool

8" Bolt-Nut-Gasket Kit

6" Bolt-Nut-Gasket Kit

4" Bolt-Nut-Gasket Kit

8" Plug Valve

6" Plug Valve

6" Check Valve

6" Expansion Joint

6" Saddle Tap

8" Saddle Tap

EFFLUENT SUCTION PIPELINE – DUCTILE IRON:

24" Ductile Iron Spool 3'10" FlgxFlg

24" Ductile Iron Spool 1'6" FlgxFlg

24" Ductile Iron Fitting 90 Deg Bend (FLG)

24" Ductile Iron Fitting Tee (FLG)

24" Ductile Iron Fitting Wall Spool FlgxFlg

24" Ductile Iron Fitting Wall Spool FlgXPe

24" Ductile Iron Bolt-Nut-Gasket Kit

8" Ductile Iron Spool 20' FlgXPe

8" Ductile Iron Spool 10'7" FlgxFlg

8" Ductile Iron Spool 11" FlgxFlg

8" Ductile Iron Spool 1'3" FlgxFlg

8" Ductile Iron Spool 3'7" FlgxFlg

8" Ductile Iron Spool 11'7" FlgXPe

8" Ductile Iron Spool 9'4" FlgxFlg

8" Ductile Iron Fitting 90 Deg Bend (FLG)

8" Ductile Iron Fitting Tee (FLG)

Ductile Iron Fitting 8"x4" Reducer (FLG)

EFFLUENT DISCHARGE PIPELINE – DUCTILE IRON:

6x4" Ductile Iron Fitting Reducer (FLG)

8" Ductile Iron Plug Valve

8" Ductile Iron Support Adjustable Support

8" Ductile Iron Spool 6'2" FlgxFlg

8" Ductile Iron Spool 1'2" FlgxFlg

8" Ductile Iron Spool 4" FlgxFlg

8" Ductile Iron Fitting Saddle Tap

8" Ductile Iron Bolt-Nut-Gasket Kit

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- 6" Ductile Iron Plug Valve
- 6" Ductile Iron Check valve
- 6" Ductile Iron Gate Valve (MJ)
- 6" Ductile Iron Adjustable Support
- 6" Ductile Iron Spool 2'11" FlgxFlg
- 6" Ductile Iron Spool 1'4" FlgxFlg
- 6" Ductile Iron Spool 8'4" FlgxFlg
- 6" Ductile Iron Spool 1'5" FlgxFlg
- 6" Ductile Iron Spool 5'8" FlgxFlg
- 6" Ductile Iron Spool 5'5" FlgxFlg
- 6" Ductile Iron Spool 10' FlgxPE
- 6" Ductile Iron Pipe
- 6" Ductile Iron Fitting 90 Deg Bend (FLG)
- 6" Ductile Iron Fitting Tee (FLG)
- 6" Ductile Iron Fitting 90 Deg Bend (MJ)
- 6" Ductile Iron Fitting 45 Deg Bend (MJ)
- 6" Ductile Iron Fitting Tee (MJ)
- 6" Ductile Iron Fitting Solid Sleeve (MJ)
- 6" Ductile Iron Fitting Megalug
- 6" Ductile Iron Fitting Saddle Tap
- 6" Ductile Iron Bolt-Nut-Gasket Kit
- 4" Ductile Iron Fitting 90 Deg Bend (FLG)
- 4" Ductile Iron EJ Expansion Joint
- 4" Ductile Iron Bolt-Nut-Gasket Kit
- 2" Ductile Iron Valve Combination ARV

ADDITIONAL ITEMS:

Lump Sump Bid Total: \$1,623,730.92

Inclusions

Freight FOB delivered to the Project site and included in the unit rates	Yes
All materials must meet all applicable Project and Standard Specifications	Yes
Supply of all Incorporated Materials such as gaskets and other connection accessories.	Yes
Due to limited on site storage space, Bidder must store materials until Contractor requests delivery.	Yes
Seller is responsible for preparation and submittal of all shop drawings, material certifications, and applicable submittals	Yes
Seller shall include all surface prep, primer, and finish coatings as required in specifications	No

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Scope-Specific Clarifications

Price excludes installation of materials

Price excludes Maintenance of Traffic during deliveries

Contractor will be responsible to unload deliveries at the Project Site.

Please Quote All-in accessories per assembled component

Contractor must be notified within 24 hours of shipment

For all fabricated steel pipelines, Seller shall provide shop drawings detailing spool lengths, flanges, fittings, joints, and locations of outlets for process devices for approval by Contractor. Drawing shall have mark numbers and lay sequence for each component that will be labeled on the material prior to shipment.

Price excludes in-line flowmeters and instrumentation

General Acknowledgments

PORPOSAL VALIDITY:

Bidder's proposal is valid for 90 days from the submission date.

No

ESCALATION:

Bidder has included all material and labor escalations through completion of scope of work. (If "NO" enter annual escalation rate below)

No

What is Bidder's annual material and/or labor escalation rate. (Mark "N/A" if answer above is "YES")

Typically 5-7% twice annually based upon manufacturers

GENERAL BIDDER ACKNOWLEDGEMENTS:

Bidder is currently licensed to perform work in the State of Arizona in compliance with the Arizona Administrative Code?

Yes

Bidder is aware of site access conditions, including wait times and delays as described in the contract, and has included these costs in their quotation.

Yes

Bidder has read and confirms its proposal complies with the Instructions to Bidders.

Yes

Bidder has read and confirms its proposal complies with the Scope of Work.

Yes

Bidder has read and confirms its proposal complies with the Project's Plans and Specifications provided.

Yes

Bidder has read and confirms its proposal complies with all scope-specific testing, inspections, as required by contract documents and specifications provided.

Yes

Bidder has read and confirms its proposal complies with the Project's Health and Safety and Environmental Plans.

Yes

If work is awarded to Bidder, Bidder agrees to enter into a mutually agreed upon Contract.

Yes

Bidder agrees to the terms and conditions on the sample Agreement provided for this scope. If answer is no, list exceptions below or include separately attached list of exceptions.

No

If answer was "no" above, List any exceptions to the Agreement.

To be reviewed in full if awarded

Bidder's warranty complies with the project requirements.

Yes

Bidder has included all applicable taxes in the proposal price.

Yes

Bidder has Included costs for all licenses and fees required to perform the Scope of Work.

Yes

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Is Bidder furnishing any permanent materials as a part of the Scope of Work? Yes

If Bidder is furnishing permanent materials as a part of the Scope of Work, are delivery costs included and compliant with the Freight term of the Instructions to Bidders document? Yes

RFP AMENDMENTS AND REVISIONS:

Bidder acknowledges receipt of all Owner issued amendments (enter highest amendment sequence). N/A

Bidder acknowledges that bid is based on "Scope of Work" revision number (enter document revision number). N/A

Bidder acknowledges that bid is based on "Instructions to Bidders" revision number (enter document revision number). N/A

LEAD TIME, SHIPPING, AND SCHEDULE (MARK "N/A" IF NOT APPLICABLE):

Lead Time - Drawings, include 2-weeks for drawing approval (After Received Order) Material Dependent

Lead Time - 1st Delivery of Equipment/Material to the Project Site (After Received Approved Design) Material Dependent

Lead Time - Last Delivery of Equipment/Material to the Project Site (After Received Approved Design) Material Dependent

For permanent material, where is the material manufactured? Material Dependent

For permanent material, what are the shipping origins? Material Dependent

For permanent material, what are the shipping methods involved (Ship, Rail, Truck, etc)? Material Dependent

For Subcontracts, how many hours per day is Bidder's proposal based on? N/A

For Subcontracts, how many hours per week is Bidder's proposal based on? N/A

For Subcontracts, is Bidder's proposal based on Union or Non-Union labor? N/A

SITE-SPECIFIC REQUIREMENTS (MARK "N/A" IF NOT APPLICABLE):

Safety Training and Orientation is included in the proposal price. N/A

Background checks are included in the proposal price. N/A

Employee drug screening costs are included in the proposal price. N/A

Bidder has included pricing based on the work hours and calendar restrictions shown in contract documents No

INSURANCE AND QUALITY:

Bidder has read and confirms it can comply with the Project insurance requirements stated in the Project Documents provided. Yes

Bidder has included all additional costs necessary to comply with the Project insurance requirements. No

If Bidder will incur additional costs to comply with the Project's insurance requirements, Bidder has provided that cost separately in its proposal. No

Does Bidder have a written Quality Assurance program? Yes

Does Bidder have a written Safety Program? Yes

AUTHORIZED COMPANY REPRESENTATIVE SUBMITTING THIS BID:

Company Authorized Representative (Name, Title) Sergio Salcido

By acknowledging "Yes" to this statement, Bidder represents that a duly authorized representative, capable of entering into a legally binding agreement and authorized to submit this bid, is the individual submitting this bid. Yes

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

BIDDER CONTACT INFORMATION:

Bidder Company Name (Legal Name)	Sergio Salcido
Address (Street, City, State, Zip)	4863 E Ingram St, Mesa, AZ 85205
Bidder Contact Name (for questions regarding this proposal)	Sergio Salcido
Contact Email	Sergio.Salcido@fortiline.com
Contact Phone	480-562-0451

Bond Information

Is Bidder currently able to Bond or provide an Irrevocable Letter of Credit? Yes

If unable to provide form of security or providing a form of security is not applicable to the scope of work, please explain.

If Yes, Enter Bond Rate.

If Yes, Enter Bond Limit.

Certifications

Is bidder registered as Small Business Enterprise (SBE) No

If yes, please provide the certifying agency and relevant certification #, as applicable. (Enter N/A if not applicable) N/A

Disclaimers and Clarifications

Bid package documents (electronic) including applicable plans and technical specifications are included in this specific bid package under the FILES tab.

Additional Information

Notes We bid as much as we could based upon the revised list of materials. We didn't have enough time to bid all of the small bore PVC material. Our apologies. Please find our bid attached along with our steel scope letter for your review and consideration. Thank you for the opportunity.

Attachments

-  Steel Scope.pdf (215 KB)
-  Email Bid - Bid Items.xlsx fo... (40 KB)



Proposal

Date: December 11, 2024
Proposal #: Tres Rios
Job Name: Tres Rios Water Reclamation Facility Side Stream Anita Mox Process

FWW is pleased to offer the following proposal for your consideration.
FWW will provide the following materials FOB Maricopa AZ

39 – 48" shop primed steel sliding supports with base plates, sliding hold down plates and Teflon pads per detail M-40-0401

11 – 20" shop primed steel sliding supports with base plates, sliding hold down plates and Teflon pads per detail M-40-0401

6 – 14" shop primed steel sliding supports with base plates, sliding hold down plates and Teflon pads per detail M-40-0401

1 – 10" shop primed steel sliding support with base plate, sliding hold down plate and Teflon pad per detail M-40-0401

6 – 20" shop primed steel fixed saddle supports with base plates per detail M-40-0400

5 – 14" shop primed steel fixed saddle supports with base plates per detail M-40-0400

1 – 10" shop primed steel fixed saddle support with base plate per detail M-40-0400

5 – 8" APS-UB-C8 HDG adjustable supports

5 – 6" APS-UB-C6 HDG adjustable supports

Supports include sealed structural calculation for each type and size.

The following pipe is quoted as standard wall API5L DSAW for 48" – 20" and Std wall A53B ERW for 14" and 10" pipe with exterior coatings.

Coatings to include SP6 blast, 3 – 4 Mils DFT Carbozinc 11

560 – 48" carbon steel pipe std .375 wall API5L DSAW

20 – 30" carbon steel pipe std .375 wall API5L DSAW

360 – 20" carbon steel pipe std .375 wall API5L DSAW

140 – 14" carbon steel pipe std .375 wall A53B ERW

140 – 10" carbon steel pipe std .365 wall A53BERW

The following fittings are bare steel no coatings

37 - 48" 125lb FF class D no-hub slip on flange

3 - 48" 125lb FF class D blind flange

4 - 48" x 4" x ½" A36 steel but strap

1 - 30" 125lb FF class D no-hub slip on flange

18 - 20" 125lb FF class D no hub slip on flange

4 - 14" 125lb FF class D no hub slip on flange

27 - 10" 125lb FF class D no hub slip on flange

Freight on pipe and fittings to job site in Pima County

- *Shop drawings are included. It is the purchaser's responsibility to review shop drawings for accuracy and to obtain all field verification information.*
- *Excluded are all taxes, bonds, permits, fees, engineering (unless specifically listed above) testing, inspections, field verification of provided shop drawings, weld testing or inspections, job specific welding procedure or qualification documents, installation (unless specifically listed above) materials testing, inspections, special or additional insurances including professional liability, builders risk, or any other item not specifically mentioned above.*
- *Shop priming is a shop coat of primer and may not be the specified coating system.*
- *All hardware on galvanized products are zinc plated unless specifically listed otherwise*
- *Mill certificates for raw materials are only available upon the purchase of the materials and not available for submittal purposes.*
- *Materials are not necessarily domestic, buy American or AIS unless specifically stated above.*
- *This quote is good for 15 days.*
- *Shop drawings are 2 to 6 weeks upon receipt of PO.*
- *Materials are 6 to 8 weeks after approval of shop drawings.*
-

Potential Escalation

We are in an unprecedented time of market fluctuation of material pricing. FWW reserves the right to reprice all items at the time of actual purchase to reflect any escalation to pricing during the time of bid to the time items are released for fabrication. Pricing checks / clarifications will be made prior to any contract being executed.

COMMERCIAL BID FORM - EQUIPMENT & MATERIAL

[Attention Bidder: Please Enter Information in Non-Shaded Cells Only]

- Pipe, Fittings, Valves, BNG, and Pipe Supports			BID DUE: 11-Dec-2024		Bidder may use the spaces in this column to enter comments.
			RFP SENT: 19-Nov-2024		
			BID DURATION: 22 Days		
			BIDDER INFORMATION		BIDDER COMMENTS
Project No.:			Bidder Legal Name:		Fortiline Waterworks
Project Name:			Bidder Contact Name:		Sergio Salcido
Owner:			Bidder Contact Email:		Sergio.salcido@fortiline.com
Job Site:			Bidder Phone:		480-562-0451
RFP Description:			Bid Date or "No Bid":		11-Dec-2024
			Bid Valid Until Date:		31-Dec-2024
			Bid Validity Duration (Days):		
			Firm or Budgetary Bid:		
			Bidder Proposal Reference No.:		
			Quoted Currency:		
			Exchange Rate (1 : x):		\$1.00
TOTAL PROPOSAL PRICE			-	-	\$ 1,623,730.92
Pricing Breakdown			Qty.	Unit	Unit Price ()
Pricing for Equipment/ Material			-	-	\$ 549,570.61
48" Aeration Header Pipeline Materials – Materials shall follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs			-	-	-
1	48" Ø Carbon Steel Pipe	560	LF	\$340.00	\$ 190,400.00
2	48" Ø Weld-on Flange	36	EA	\$1,161.11	\$ 41,800.00
3	48" Ø Blind Flange	2	EA	\$5,505.56	\$ 11,011.11
4	48" Ø Butterfly Valve	1	EA	\$125,787.76	\$ 125,787.76
5	48" Ø Motor-Actuated Butterfly Valve	1	EA	\$141,506.60	\$ 141,506.60
6	48" Ø Expansion Joints	16	EA	\$0.00	\$ -
7	48" Ø Bolt-Nut-Gasket Kit	36	EA	\$1,085.14	\$ 39,065.14
Pricing for Options Requested or Offered			-	-	\$ 1,074,160.31
48" Aeration Header Optional Pipeline Materials – Materials to Follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs			-	-	\$ -
1	48" Ø Fabricated Sliding Saddle Support	39	EA	\$10,731.71	\$ 418,536.59
2	48" Ø Butt-Strap Joint (Ship loose)	4	EA	\$333.33	\$ 1,333.33
3	48" Ø Weld-on Flange (ship loose)	1	EA	\$1,161.11	\$ 1,161.11
4	48" Ø Blind Flange	1	EA	\$5,505.56	\$ 5,505.56
ANITAMOX Pipeline Materials – Materials to Follow Sidestream ANITAMOX Process (3ANOMX) Plans and Specs			-	-	-
Process Air Pipeline – Carbon Steel			-	-	-
5	30" Ø Carbon Steel Fabricated Pipe	20	LF	\$195.56	\$ 3,911.11
6	20" Ø Carbon Steel Fabricated Pipe	360	LF	\$102.22	\$ 36,800.00
7	14" Ø Carbon Steel Fabricated Pipe	140	LF	\$65.56	\$ 9,177.78
8	10" Ø Carbon Steel Fabricated Pipe	140	LF	\$48.89	\$ 6,844.44
9	30" Ø Weld-on Flange	1	EA	\$361.11	\$ 361.11
10	20" Ø Weld-on Flange	18	EA	\$166.67	\$ 3,000.00
11	14" Ø Weld-on Flange	4	EA	\$105.56	\$ 422.22
12	10" Ø Weld-on Flange	27	EA	\$61.11	\$ 1,650.00
13	20" Ø Butterfly Valve	1	EA	\$16,614.72	\$ 16,614.72
14	10" Ø Butterfly Valve	4	EA	\$4,409.89	\$ 17,639.56
15	10" Ø Motor-Actuated Butterfly Valve	0	EA	\$0.00	\$ -
16	10" Modulating Valve	3	EA	\$0.00	\$ - We will be bidding this item. We are pending a price from the MFG
17	30" Ø Bolt-Nut-Gasket Kit	1	EA	\$367.09	\$ 367.09
18	20" Ø Bolt-Nut-Gasket Kit	12	EA	\$217.99	\$ 2,615.83
19	14" Ø Bolt-Nut-Gasket Kit	8	EA	\$115.54	\$ 924.34
20	10" Ø Bolt-Nut-Gasket Kit	20	EA	\$60.14	\$ 1,202.86
21	14" Ø Victaulic Model 231 Expansion Coupling	16	EA	\$3,931.70	\$ 62,907.12
22	10" Ø Victaulic Model 231 Expansion Coupling	3	EA	\$3,534.72	\$ 10,604.16
23	20" Sliding Saddle Support	15	EA	\$9,146.34	\$ 137,195.12
24	20" Fixed Saddle Support	5	EA	\$7,926.83	\$ 39,634.15
25	14" Sliding Saddle Support	6	EA	\$5,975.61	\$ 35,853.66
26	14" Fixed Saddle Support	5	EA	\$7,195.12	\$ 35,975.61
27	10" Sliding Saddle Support	1	EA	\$5,975.61	\$ 5,975.61
28	10" Fixed Saddle Support	4	EA	\$4,756.10	\$ 19,024.39
29	20" Ø Expansion Joint	5	EA	\$0.00	\$ -
30	14" Ø Expansion Joint	1	EA	\$0.00	\$ -
Reactor Centrate Feed Pipeline – Ductile Iron			-	-	-
32	6" Ø Ductile Iron Pipe - P401 Lined & AC	25	LF	\$48.79	\$ 1,219.72
33	6" Ø Ductile Iron Pipe 4'10" FlgxFlg Spool - P401 Lined & Primed	1	EA	\$993.81	\$ 993.81
34	6" Ø Ductile Iron Pipe 2' FlgxFlg Spool - P401 Lined & Primed	1	EA	\$575.36	\$ 575.36
35	6" Ø Ductile Iron Pipe 14'9" FlgxFlg Spool - P401 Lined & Primed	1	EA	\$2,388.64	\$ 2,388.64
36	6" Ø Ductile Iron Pipe 19'6" FlgxFlg Spool - P401 Lined & Primed	1	EA	\$2,737.34	\$ 2,737.34 Max length spool quoted which is 17'6" - You can combine this with the 2' spool above to make this a total of 19'6".
37	6" Ø Ductile Iron Pipe 10' FlgxFE Spool - P401 Lined & Primed	2	EA	\$1,537.88	\$ 3,075.76
38	6" Ø Ductile Iron Pipe 13'9" FlgxFlg Spool - P401 Lined & Primed	1	EA	\$2,249.15	\$ 2,249.15
39	6" Ø Ductile Iron 90 Deg Bend (FLG) - P401 Lined & Primed	4	EA	\$553.62	\$ 2,214.49
40	6" Ø Ductile Iron 45 Deg Bend (FLG) - P401 Lined & Primed	1	EA	\$514.66	\$ 514.66
41	6" Ø Ductile Iron 90 Deg Bend (MJ) - P401 Lined & AC	2	EA	\$404.26	\$ 808.52
42	6" Ø Ductile Iron 45 Deg Bend (MJ) - P401 Lined & AC	1	EA	\$370.16	\$ 370.16
43	6" Ø Ductile Iron Megalug	6	EA	\$55.19	\$ 331.13 Std MJ Accy Kit Included
44	6" Ø Ductile Iron Tee (FLG) - P401 Lined & Primed	1	EA	\$705.15	\$ 705.15
45	6" Ø Ductile Iron Tapped Blind - P401 Lined & Primed	1	EA	\$753.41	\$ 753.41
46	6" Ø Bolt-Nut-Gasket Kit	15	EA	\$34.24	\$ 513.64
47	2" Combination ARV	1	EA	\$1,102.11	\$ 1,102.11
47.1	2" Ball Valve	1	EA	\$94.81	\$ 94.81
48	Adjustable Pipe Supports	5	EA	\$0.00	\$ -
BLDG 70 Centrate Line – Ductile Iron			-	-	\$ -
50	Ductile Iron Pipe Fitting 8" Tee (FLG) - P401 Lined & Primed	1	EA	\$1,102.38	\$ 1,102.38
51	Ductile Iron Pipe Fitting 8x6" Reducer (FLG) - P401 Lined & Primed	3	EA	\$672.14	\$ 2,016.42
52	Ductile Iron Pipe Fitting 6x4" Reducer (FLG) - P401 Lined & Primed	2	EA	\$452.96	\$ 905.93
53	Ductile Iron Pipe Spool 6" - 4'4" FlgxFlg Spool - P401 Lined & Primed	1	EA	\$924.07	\$ 924.07
54	Ductile Iron Pipe Spool 6" - 5' FlgxFlg Spool - P401 Lined & Primed	2	EA	\$993.81	\$ 1,987.62
55	Ductile Iron Pipe Spool 6" - 1'3" FlgxFlg Spool - P401 Lined & Primed	2	EA	\$1,011.25	\$ 2,022.49
56	8" Bolt-Nut-Gasket Kit	8	EA	\$46.00	\$ 368.00
57	6" Bolt-Nut-Gasket Kit	14	EA	\$34.24	\$ 479.40
57.1	6" Bolt-Nut-Gasket Kit SS316 150#	15	EA	\$32.96	\$ 494.36
58	4" Bolt-Nut-Gasket Kit	2	EA	\$26.17	\$ 52.34
58.1	6" Insulation Flange Kits 150#	15	EA	\$116.79	\$ 1,751.79 Includes 316SS Bolt Kit
58.2	4" Insulation Flange Kits 150#	2	EA	\$78.44	\$ 156.89 Includes 316SS Bolt Kit
59	8" Plug Valve	2	EA	\$2,042.69	\$ 4,085.38
60	6" Plug Valve	2	EA	\$1,233.73	\$ 2,467.47
61	6" Check Valve	2	EA	\$2,317.64	\$ 4,635.29
62	6" Expansion Joint	2	EA	\$0.00	\$ -
63	6" Saddle Tap F/ DIP W/ 1-1/4" IPT Outlet	3	EA	\$173.22	\$ 519.66
64	8" Saddle Tap F/ DIP W/ 1-1/4" IPT Outlet	3	EA	\$197.70	\$ 593.09
Effluent Suction Pipeline – Ductile Iron			-	-	-
65	24" Ductile Iron Spool 3'10" FlgxFlg - P401 Lined & Primed	2	EA	\$5,000.35	\$ 10,000.71
66	24" Ductile Iron Spool 1'6" FlgxFlg - P401 Lined & Primed	1	EA	\$3,377.53	\$ 3,377.53
67	24" Ductile Iron Fitting 90 Deg Bend (FLG) - P401 Lined & Primed	2	EA	\$5,862.56	\$ 11,725.13
68	24" Ductile Iron Fitting Tee (FLG) - P401 Lined & Primed	1	EA	\$8,139.84	\$ 8,139.84
69	24" Ductile Iron Fitting Wall Spool FlgxFlg - P401 Lined & Primed	2	EA	\$5,040.59	\$ 10,081.18 Quoting 3'0" in length
70	24" Ductile Iron Fitting Wall Spool FlgxFE - P401 Lined & Primed	1	EA	\$3,858.56	\$ 3,858.56 Quoting 3'0" in length
71	24" Ductile Iron Bolt-Nut-Gasket Kit	10	EA	\$253.21	\$ 2,532.14

87	6" Ductile Iron Spool 12" Flg/Flg	2	EA	\$575.47	\$	1,151	
88	6" Ductile Iron Spool 4" Flg/Flg	3	EA	\$592.31	\$	912	
89	6" Ductile Iron Fitting Saddle Tap	2	EA	\$101.43	\$	403	QUOTED 1 00" IP OUTLET
90	6" Ductile Iron Bolt Nut Gasket Kit	26	EA	\$31.12	\$	809	
91	6" Ductile Iron Flg Valve	2	EA	\$1,144.17	\$	2,288	SPIC 40-05-61-01
92	6" Ductile Iron Check Valve	2	EA	\$5,193.96	\$	6,392	SPIC 40-05-61-01 W/STEM CHD CLAMPER
93	6" Ductile Iron Gate Valve (MJ)	3	EA	\$1,843.15	\$	2,843	SPIC 40-05-61-01 W/STEM 155 STEEL ENT.
94	6" Ductile Iron Adjustable Support	5	EA	\$378.57	\$	1,893	DEL 14-10-0302 1855 ANYCH055
95	6" Ductile Iron Spool 2 1/2" Flg/Flg	3	EA	\$110.79	\$	541	
96	6" Ductile Iron Spool 3 1/4" Flg/Flg	3	EA	\$431.40	\$	411	
97	6" Ductile Iron Spool 8 1/4" Flg/Flg	3	EA	\$1,201.93	\$	2,022	
98	6" Ductile Iron Spool 1 1/2" Flg/Flg	3	EA	\$111.40	\$	411	
99	6" Ductile Iron Spool 5 1/8" Flg/Flg	3	EA	\$591.58	\$	920	
100	6" Ductile Iron Spool 5 1/2" Flg/Flg	3	EA	\$183.12	\$	463	
101	6" Ductile Iron Spool 10" Flg-FE	3	EA	\$1,246.10	\$	2,246	
102	6" Ductile Iron Pipe	40	LF	\$53.72	\$	2,149	QUOTED FEST PANNED
103	6" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$170.53	\$	511	
104	6" Ductile Iron Fitting Tee (FLG)	3	EA	\$559.38	\$	559	
105	6" Ductile Iron Fitting 90 Deg Bend (MJ)	3	EA	\$144.42	\$	344	
106	6" Ductile Iron Fitting 45 Deg Bend (MJ)	3	EA	\$114.04	\$	315	
107	6" Ductile Iron Fitting Tee (MJ)	3	EA	\$415.38	\$	415	
108	6" Ductile Iron Fitting Solid Sleeve (MJ)	3	EA	\$328.43	\$	328	
109	6" Ductile Iron Fitting Megalog	11	EA	\$64.07	\$	705	
110	6" Ductile Iron Fitting Saddle Tap	4	EA	\$172.23	\$	693	QUOTED 3 00" IP OUTLET
111	6" Ductile Iron Bolt Nut Gasket Kit	18	EA	\$24.73	\$	445	
112	6" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$102.21	\$	415	
113	6" Ductile Iron El Expansion Joint	2	EA	\$456.25	\$	913	
114	6" Ductile Irons Bolt Nut Gasket Kit	2	EA	\$18.41	\$	37	
115	6" Ductile Irons Bolt Nut Gasket Kit	6	EA	\$18.41	\$	110	
116	2" Ductile Iron Valve Combination ABC	1	EA	\$819.87	\$	820	SPIC 40-05-61-02 W/STEM FLG VALVE
	Est Item total						
	Total Bid Value is						

The undersigned agrees, if this bid is accepted, to enter into a contract with Contractor in accordance with the terms and conditions outlined in the attached sample contract for the work described in the instructions to Bidders and any subsequent addenda. Any and all deviations and/or exceptions taken by bidder to the terms, conditions, plans, specifications, codes, standards or this request for quote shall be clearly stated in writing and included as an attachment to the bid form.

JEFF CASSANO/WEST REGIONAL SALES
Name/Title
C&B PIPING
Company Name
1800 W COMMERCE AVENUE, GILBERT AZ 85233
Address

12/11/2024
Date
(602) 828-6742
Contact Phone
kassie@delphia.com
Email

[illegible]

(1)08' FIG SER TYPE GAS+ET 1/8" THICK FF CL150
SPEC 47,05,63-2 01
SPEC 47,05,63-2 01 W/CLIP+Q20:ED C/L+Q20R
SPEC 47,05,63-2 01 W/1/2 RACOVR "SEAL" LESS STEEL EXT
Q76,M-40-0524 LESS A/VCH+OTS

\$575.47	\$1,150.94
\$832.31	\$932.31
\$261.49	\$425.87
\$31.12	\$509.17
\$2,144.17	\$4,288.33
\$3,198.96	\$5,397.53
\$2,643.15	\$5,243.15
\$378.57	\$1,692.66
\$50.79	\$50.79
\$41.40	\$411.40
\$1,201.51	\$1,202.51
\$411.40	\$411.40
\$312.58	\$912.58
\$553.12	\$653.12
\$12,445.10	\$12,445.10
\$53.72	\$2,148.60
\$470.58	\$941.16
\$599.33	\$599.33
\$431.62	\$431.62
\$114.64	\$114.64
\$145.33	\$145.33
\$128.44	\$128.44
\$628.07	\$7,044.77
\$173.23	\$592.81
\$374.23	\$445.17
\$397.28	\$514.56
\$146.25	\$112.50
\$18.41	\$35.83
\$151.49	\$110.42
\$18.09	\$19.69

X FLG Range: Full Body Ductile Iron 125# (ANSI/AWWA C110/A21.10)

X Unlugs

X  421 - Protecto 421 Ceramic Epoxy Field Repair Kits are \$75 each available to order as needed for your project

X Coatings

X BUR TC - Standard Asphalt Tar 1 mil per AIA/A/CES1

X EXP PC - Shop Cost of Inspec 1140F Epoxy @ 3-5 mil DFT (See Qualifications Notes below)

- X Restrained Joints
- X PFE Proprietary Restrained Joints
- X FTGS NJ w/ Wedge Fasteners

X	Grade	Standard SSF, AWWA C111
X	PQ	Standard SSF, AWWA C111
X	MJ	Standard SSF, AWWA C111
X	FLG	Standard SSF, AWWA C111 1/8" THICK, FULLFACE CL150

X	Hardware (where listed)
X	MJ MJ T-Bolts for buried MJ joints are quoted as Std Low Alloy Steel
X	FLG Flange Bolts/Nuts/Gaskets A307B ERNC

X Original
X I/P Some materials quoted may be globally sourced. If domestic only materials are required, prices may be adjusted accordingly.

X Wall Pipes
X Wall Collars thicknesses are quoted as industry standard - C&B Submittal

X Polyethylene Encasement:
X Polyethylene Encasement is NOT INCLUDED. If required, costs will be provided upon request.

QUALIFICATIONS:

SHOP COAT: C&B Paving offers a shop coat of temporary protection for items noted on our quotation. Responsibility for final system compatibility, proper field surface preparation, field acceptance as system primer, field repairs to damaged coating are all by others. If shop coat is not desired, it can be ordered as flame, or fully removed by field contractor on the jobsite at cost by others.

CATHODIC PROTECTION

NOTES: C&B does not furnish Cathodic Protection. We have **NOT** furnished Steel Banding Pads to protect special epoxy lined or glass lined pipe spigots unless specifically listed below on our quotation. If they are needed, we can furnish costs upon request.

FLANGE BOLT/NUTS

All flange bolts and studs are quoted for use with standard AWWA C110 and C115 flanges. In-line appurtenances that may require alternate size, length, and number of bolts shall be determined and re-priced at time of release. Contractor to verify all connections.

FLANGE-TYPE GASKET FULL FACE 1/8" THICKNESS - 3 O-RING SEAL FEATURE

Appendix 3: Torque (N)

04° 03' 01" 02" 03" 04" 05" 06" 07" 08" 09" 10" 11" 12" 13" 14" 15" 16" 17" 18" 19" 20" 21" 22" 23" 24" 25" 26" 27" 28" 29" 30" 31" 32" 33" 34" 35" 36" 37" 38" 39" 40" 41" 42" 43" 44" 45" 46" 47" 48" 49" 50" 51" 52" 53" 54" 55" 56" 57" 58" 59" 60" 61" 62" 63" 64" 65" 66" 67" 68" 69" 70" 71" 72" 73" 74" 75" 76" 77" 78" 79" 80" 81" 82" 83" 84" 85" 86" 87" 88" 89" 90" 91" 92" 93" 94" 95" 96" 97" 98" 99" 100" 101" 102" 103" 104" 105" 106" 107" 108" 109" 110" 111" 112" 113" 114" 115" 116" 117" 118" 119" 120" 121" 122" 123" 124" 125" 126" 127" 128" 129" 130" 131" 132" 133" 134" 135" 136" 137" 138" 139" 140" 141" 142" 143" 144" 145" 146" 147" 148" 149" 150" 151" 152" 153" 154" 155" 156" 157" 158" 159" 160" 161" 162" 163" 164" 165" 166" 167" 168" 169" 170" 171" 172" 173" 174" 175" 176" 177" 178" 179" 180" 181" 182" 183" 184" 185" 186" 187" 188" 189" 190" 191" 192" 193" 194" 195" 196" 197" 198" 199" 200" 201" 202" 203" 204" 205" 206" 207" 208" 209" 210" 211" 212" 213" 214" 215" 216" 217" 218" 219" 220" 221" 222" 223" 224" 225" 226" 227" 228" 229" 230" 231" 232" 233" 234" 235" 236" 237" 238" 239" 240" 241" 242" 243" 244" 245" 246" 247" 248" 249" 250" 251" 252" 253" 254" 255" 256" 257" 258" 259" 260" 261" 262" 263" 264" 265" 266" 267" 268" 269" 270" 271" 272" 273" 274" 275" 276" 277" 278" 279" 280" 281" 282" 283" 284" 285" 286" 287" 288" 289" 290" 291" 292" 293" 294" 295" 296" 297" 298" 299" 300" 301" 302" 303" 304" 305" 306" 307" 308" 309" 310" 311" 312" 313" 314" 315" 316" 317" 318" 319" 320" 321" 322" 323" 324" 325" 326" 327" 328" 329" 330" 331" 332" 333" 334" 335" 336" 337" 338" 339" 340" 341" 342" 343" 344" 345" 346" 347" 348" 349" 350" 351" 352" 353" 354" 355" 356" 357" 358" 359" 360" 361" 362" 363" 364" 365" 366" 367" 368" 369" 370" 371" 372" 373" 374" 375" 376" 377" 378" 379" 380" 381" 382" 383" 384" 385" 386" 387" 388" 389" 390" 391" 392" 393" 394" 395" 396" 397" 398" 399" 400" 401" 402" 403" 404" 405" 406" 407" 408" 409" 410" 411" 412" 413" 414" 415" 416" 417" 418" 419" 420" 421" 422" 423" 424" 425" 426" 427" 428" 429" 430" 431" 432" 433" 434" 435" 436" 437" 438" 439" 440" 441" 442" 443" 444" 445" 446" 447" 448" 449" 450" 451" 452" 453" 454" 455" 456" 457" 458" 459" 460" 461" 462" 463" 464" 465" 466" 467" 468" 469" 470" 471" 472" 473" 474" 475" 476" 477" 478" 479" 480" 481" 482" 483" 484" 485" 486" 487" 488" 489" 490" 491" 492" 493" 494" 495" 496" 497" 498" 499" 500" 501" 502" 503" 504" 505" 506" 507" 508" 509" 510" 511" 512" 513" 514" 515" 516" 517" 518" 519" 520" 521" 522" 523" 524" 525" 526" 527" 528" 529" 530" 531" 532" 533" 534" 535" 536" 537" 538" 539" 540" 541" 542" 543" 544" 545" 546" 547" 548" 549" 550" 551" 552" 553" 554" 555" 556" 557" 558" 559" 560" 561" 562" 563" 564" 565" 566" 567" 568" 569" 570" 571" 572" 573" 574" 575" 576" 577" 578" 579" 580" 581" 582" 583" 584" 585" 586" 587" 588" 589" 590" 591" 592" 593" 594" 595" 596" 597" 598" 599" 600" 601" 602" 603" 604" 605" 606" 607" 608" 609" 610" 611" 612" 613" 614" 615" 616" 617" 618" 619" 620" 621" 622" 623" 624" 625" 626" 627" 628" 629" 630" 631" 632" 633" 634" 635" 636" 637" 638" 639" 640" 641" 642" 643" 644" 645" 646" 647" 648" 649" 650" 651" 652" 653" 654" 655" 656" 657" 658" 659" 660" 661" 662" 663" 664" 665" 666" 667" 668" 669" 670" 671" 672" 673" 674" 675" 676" 677" 678" 679" 680" 681" 682" 683" 684" 685" 686" 687" 688" 689" 690" 691" 692" 693" 694" 695" 696" 697" 698" 699" 700" 701" 702" 703" 704" 705" 706" 707" 708" 709" 710" 711" 712" 713" 714" 715" 716" 717" 718" 719" 720" 721" 722" 723" 724" 725" 726" 727" 728" 729" 730" 731" 732" 733" 734" 735" 736" 737" 738" 739" 740" 741" 742" 743" 744" 745" 746" 747" 748" 749" 750" 751" 752" 753" 754" 755" 756" 757" 758" 759" 760" 761" 762" 763" 764" 765" 766" 767" 768" 769" 770" 771" 772" 773" 774" 775" 776" 777" 778" 779" 780" 781" 782" 783" 784" 785" 786" 787" 788" 789" 790" 791" 792" 793" 794" 795" 796" 797" 798" 799" 800" 801" 802" 803" 804" 805" 806" 807" 808" 809" 810" 811" 812" 813" 814" 815" 816" 817" 818" 819" 820" 821" 822" 823" 824" 825" 826" 827" 828" 829" 830" 831" 832" 833" 834" 835" 836" 837"

50 F01--x 90 92 93 94 95 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Improper handling, storage, and/or improper installation will void all warranties. C&B #2724, DRC recommends the use of modded low torque 1/8" thick rubber gaskets for use with threaded ductile iron flanged joints. FLANGE-TITE® or TOSUSA® are both acceptable products. The use of alternative gaskets could result in excessive torques and damaged flanges and thus void all warranties.

COMMERCIAL BID FORM - EQUIPMENT & MATERIAL

[Attention Bidder: Please Enter Information in Non-Shaded Cells Only]

- Pipe, Fittings, Valves, BNG, and Pipe Supports			BID DUE: 11-Dec-2024		Bidder may use the spaces in this column to enter comments.	
			RFP SENT: 19-Nov-2024			
			BID DURATION: 22 Days			
Project No.:			BIDDER INFORMATION			BIDDER COMMENTS
Project Name: Tres Rios, Sidestream Anitamox Process (3ANOMX)			Bidder Legal Name: General Rubber LLC			
Owner: Pima County			Bidder Contact Name: Lahin Khan			
Job Site: 7101 N Casa Grande Hwy, Tuscon, AZ 85743			Bidder Contact Email: LahinK@general-rubber.com			
RFP Description: Pipe, Fittings, Valves, BNG, and Pipe Supports			Bidder Phone: 941-412-0001 EXT 205			
			Bid Date or "No Bid": 10-Dec-2024			
			Bid Valid Until Date: 10-Jan-2025			
			Bid Validity Duration (Days): 31			
			Firm or Budgetary Bid: Budgetary Bid			
			Bidder Proposal Reference No.: Q2405669A			
			Quoted Currency: USD \$ - US Dollar			
USD \$ - US Dollar			Exchange Rate (1 : xUSD \$ - US Dollar) \$1.00			
TOTAL PROPOSAL PRICE			-	-	\$ 350,182	
Pricing Breakdown			Qty.	Unit	Unit Price (USD \$ - US Dollar) Definition Total	
Pricing for Equipment/ Material			-	-	\$ 261,118	
48" Aeration Header Pipeline Materials – Materials shall follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs			-	-	-	
6	48" Ø Expansion Joints		16	EA	\$16,319.90 \$ 261,118	
Pricing for Options Requested or Offered			-	-	\$ 89,064	
ANITAMOX Pipeline Materials – Materials to Follow Sidestream ANITAMOX Process (3ANOMX) Plans and Specs			-	-	\$ -	
Process Air Pipeline – Carbon Steel						
29	20" Ø Expansion Joint		12	EA	\$5,608.84 \$ 67,306	
30	14" Ø Expansion Joint		4	EA	\$4,333.35 \$ 17,333	
BLDG 70 Centrate Line – Ductile Iron					\$ -	
62	6" Expansion Joint		2	EA	\$2,212.10 \$ 4,424	

The undersigned agrees, if this bid is accepted, to enter into a contract with Contractor in accordance with the terms and conditions outlined in the attached sample contract for the work described in the Instructions to Bidders and any subsequent addenda. Any and all deviations and/or exceptions taken by bidder to the terms, conditions, plans, specifications, codes, standards or this request for quote shall be clearly stated in writing and included as an attachment to the bid form.

Lahin Khan / Design Engineer
Name/ Title
General Rubber LLC
Company Name
405 Commercial Court Suite C Venice FL 34292
Address

12/10/2024
Date
941-412-0001 EXT 205
Contact Phone
LahinK@general-rubber.com
Email



QUOTATION

#2405669A

12/10/2024

Project: Tres Rios WRF: Expansion Joints RFP - Option 2

GRC Contact:

Lahin Khan

lahink@general-rubber.com

941-412-0001 X 205

ATTN: Jake Haney
Kiewit Corporation
1550 Mike Fahey St
Omaha, NE 68102

Factory: Tucson, AZ
Freight Terms: PP & Add
Lead Time: 20-24 wks after order & approved dwgs
Payment Terms: New

NOTES:

REV A: Design changed to style 1103 & integral retaining ring replaced with gusset with retaining ring & additional sizes added.

Notes:

Hydrostatic test not included. Please advise if required.

Your inquiry references ASME B31.3 as a general, "boiler plate" specific call out. The full ASME B31.3 specification does not specifically list rubber expansion joints and so it likely falls under the section for non-listed components.

For non-listed components, the code allows the owner to accept the manufacturer's sound engineering practice.

General Rubber Corporation's sound engineering practice meets or exceeds the FSA Expansion Joint, Piping Division's Technical Handbook's design standards. Specifically, in regards to the control units, our sound approach utilizes only internationally accepted and specified materials and design them not to exceed an allowable stress value of 60% of yield strength (FSA's allowable stress value is 65% of yield strength). Calculations and certificate of conformance are available and provided upon request.

Line	Item - Description	Qty	Unit Price	Extended
1	1103-0480-220-OEE80 (1103 O/A 48 X 22 F/F EPDM/KEVLAR) Triple Open Arch. Rated for 25 PSI, 10 in. Hg Vacuum, 300 Deg. F. Standard 150# Drilling	16	\$11,868.25	\$189,892.00
2	RRS-0480-CSG (R/R Set 48 in. CSG) Split galvanized steel retaining rings.	16	\$999.86	\$15,997.76
3	CU-4RC-0480-SWSW (Control Unit 4-Rod 48 in.) Includes galvanized steel gussets, high tensile steel tie rods, nuts & stainless steel spherical washers.	16	\$2,301.79	\$36,828.64
4	SOLARSHIELD (Solar Shield) PVC coated polyester with Mylar lamination offers maximum UV protection	16	\$1,150.00	\$18,400.00
5	1103-0200-160-OEE80 (1103 O/A 20 X 16 F/F EPDM/KEVLAR) Triple Open Arch. Rated for 25 PSI, 15 in. Hg Vacuum, 300 Deg. F. Standard 150# Drilling	12	\$3,810.89	\$45,730.68
6	RRS-0200-CSG (R/R Set 20 in. CSG) Split galvanized steel retaining rings.	12	\$316.30	\$3,795.60
7	CU-2RC-0200-SWSW (Control Unit 2-Rod 20 in.) Includes galvanized steel gussets, high tensile steel tie rods, nuts & stainless steel spherical washers.	12	\$408.65	\$4,903.80
8	SOLARSHIELD (Solar Shield)	12	\$1,073.00	\$12,876.00



QUOTATION

#2405669A

12/10/2024

Project: Tres Rios WRF: Expansion Joints RFP - Option 2

GRC Contact:

Lahin Khan

lahink@general-rubber.com

941-412-0001 X 205

Line	Item - Description	Qty	Unit Price	Extended
	PVC coated polyester fabric with Mylar lamination offers maximum UV protection			
9	1103-0140-160-OEE80 (1103 O/A 14 X 16 F/F EPDM/KEVLAR) Triple Open Arch. Rated for 25 PSI, 15 in. Hg Vacuum, 300 Deg. F. Standard 150# Drilling	4	\$2,778.09	\$11,112.36
10	RRS-0140-CSG (R/R Set 14 in. CSG) Split galvanized steel retaining rings.	4	\$262.68	\$1,050.72
11	CU-2RC-0140-SWSW (Control Unit 2-Rod 14 in.) Includes galvanized steel gussets, high tensile steel tie rods, nuts & stainless steel spherical washers.	4	\$407.58	\$1,630.32
12	SOLARSHIELD (Solar Shield) PVC coated polyester with Mylar lamination offers maximum UV protection	4	\$885.00	\$3,540.00
13	1103-0060-140-OEE80 (1103 O/A 6 X 14 F/F EPDM/KEVLAR) Triple Open Arch. Rated for 25 PSI, 15 in. Hg Vacuum, 300 Deg. F. Standard 150# Drilling	2	\$1,328.99	\$2,657.98
14	RRS-0060-CSG (R/R Set 6 in. CSG) Split galvanized steel retaining rings.	2	\$97.36	\$194.72
15	CU-2RC-0060-GSWSW (Control Unit 2-Rod 6 in.) Includes galvanized steel gussets, high tensile steel tie rods, nuts & stainless steel spherical washers.	2	\$325.75	\$651.50
16	SOLARSHIELD (Solar Shield) PVC coated polyester with Mylar lamination offers maximum UV protection	2	\$460.00	\$920.00
			Total USD	\$350,182.08

Thank you for the opportunity to quote. This quotation is valid for 30 days. Manufactured items are non-returnable. A \$45.00 handling fee for truck shipments will be charged if you do not provide a carrier account number. All shipments are FOB Factory.

Warranty- All merchandise ordered shall be sold subject to SELLER'S standard warranty, viz: SELLER warrants that any product of its manufacture, which upon examination is found by a SELLER'S representative to be defective either in workmanship or material whereby it is not suitable under proper usage and service for the purpose for which designed, will be, at SELLER'S option, repaired or replaced free of charge, not to include cost of installation, provided that, SELLER receives written claim specifying the defect within one year after SELLER ships the product. ALL OTHER WARRANTIES EXPRESSED AND IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY ARE HEREBY DISCLAIMED. The foregoing expresses all of SELLER'S obligations and liabilities with respect to the quality of items furnished by it and it shall under no circumstances be liable for consequential damages.

- Pipe, Fittings, Valves, BNG, and Pipe Supports				BID DUE:	11-Dec-2024			Bidder may use the spaces in this column to enter comments.	
				RFP SENT:	19-Nov-2024				
				BID DURATION:	22 Days				
				BIDDER INFORMATION					BIDDER COMMENTS
Project No.: Project Name: Owner: Job Site: RFP Description:	Tres Rios, Slidestream Anitamox Process (3ANOMX)			Bidder Legal Name:					
	Pima County			Bidder Contact Name:					
	7101 N Casa Grande Hwy, Tuscon, AZ 85743			Bidder Contact Email:					
	Pipe, Fittings, Valves, BNG, and Pipe Supports			Bidder Phone:					
				Bid Date or "No Bid":					
				Bid Valid Until Date:					
				Bid Validity Duration (Days):					
				Firm or Budgetary Bid:					
				Bidder Proposal Reference No.:					
				Quoted Currency:					
				Exchange Rate (1 : x)					
TOTAL PROPOSAL PRICE				-	-	-	-	\$ 212,280	
Pricing Breakdown				Qty.	Unit	Unit Price ()	Definition	Total	
Pricing for Equipment/ Material				-	-	-	-	\$ -	
48” Aeration Header Pipeline Materials – Materials shall follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs				-	-	-	-	\$ -	
1	48” Ø Carbon Steel Pipe			552	LF			\$ -	
2	48” Ø Weld-on Flange			36	EA			\$ -	
3	48” Ø Blind Flange			2	EA			\$ -	
4	48” Ø Butterfly Valve			1	EA			\$ -	
5	48” Ø Motor-Actuated Butterfly Valve			1	EA			\$ -	
6	48” Ø Expansion Joints			16	EA			\$ -	
7	48” Ø Bolt-Nut-Gasket Kit			36	EA			\$ -	
Pricing for Options Requested or Offered				-	-			\$ 212,280	
48” Aeration Header Optional Pipeline Materials – Materials to Follow Class A Biosolids Solar Drying Facility (3TRCAB) Plans and Specs				-	-			\$ -	
1	48” Ø Fabricated Sliding Saddle Support			39	EA	\$4,300.00		\$ 167,700	
2	48” Ø Butt-Strap Joint (Ship loose)			4	EA				
3	48” Ø Weld-on Flange (ship loose)			1	EA			\$ -	
4	48” Ø Blind Flange			1	EA			\$ -	
ANITAMOX Pipeline Materials – Materials to Follow Slidestream ANITAMOX Process (3ANOMX) Plans and Specs				-	-			\$ -	
Process Air Pipeline – Carbon Steel									
5	30” Ø Carbon Steel Fabricated Pipe			2	LF			\$ -	
6	20” Ø Carbon Steel Fabricated Pipe			356	LF			\$ -	
7	14” Ø Carbon Steel Fabricated Pipe			136	LF			\$ -	
8	10” Ø Carbon Steel Fabricated Pipe			130	LF			\$ -	
9	30” Ø Weld-on Flange			1	EA			\$ -	
10	20” Ø Weld-on Flange			18	EA			\$ -	
11	14” Ø Weld-on Flange			4	EA			\$ -	
12	10” Ø Weld-on Flange			27	EA			\$ -	
13	20” Ø Butterfly Valve			1	EA			\$ -	
14	10” Ø Butterfly Valve			4	EA			\$ -	
15	10” Ø Motor-Actuated Butterfly Valve			1	EA			\$ -	
16	10” Modulating Valve			3	EA			\$ -	
17	30” Ø Bolt-Nut-Gasket Kit			1	EA			\$ -	
18	20” Ø Bolt-Nut-Gasket Kit			18	EA			\$ -	
19	14” Ø Bolt-Nut-Gasket Kit			4	EA			\$ -	
20	10” Ø Bolt-Nut-Gasket Kit			27	EA			\$ -	
21	14” Ø Victaulic Model 231 Expansion Coupling			3	EA			\$ -	
22	10” Ø Victaulic Model 231 Expansion Coupling			1	EA			\$ -	
23	20” Sliding Saddle Support			15	EA	\$1,270.00		\$ 19,050	
24	20” Fixed Saddle Support			5	EA	\$1,270.00		\$ 6,350	
25	14” Sliding Saddle Support			6	EA	\$950.00		\$ 5,700	
26	14” Fixed Saddle Support			5	EA	\$950.00		\$ 4,750	
27	10” Sliding Saddle Support			1	EA	\$930.00		\$ 930	
28	10” Fixed Saddle Support			4	EA	\$930.00		\$ 3,720	
29	20” Ø Expansion Joint			12	EA			\$ -	
30	14” Ø Expansion Joint			4	EA			\$ -	
Reactor Centrate Feed Pipeline – Ductile Iron								\$ -	
32	6” Ø Ductile Iron Pipe			25	LF			\$ -	
33	6” Ø Ductile Iron Pipe 4’10” FlgxFlg Spool			1	EA			\$ -	
34	6” Ø Ductile Iron Pipe 2’ FlgxFlg Spool			1	EA			\$ -	
35	6” Ø Ductile Iron Pipe 14’9” FlgxFlg Spool			1	EA			\$ -	
36	6” Ø Ductile Iron Pipe 19’6” FlgxFlg Spool			1	EA			\$ -	
37	6” Ø Ductile Iron Pipe 10’ FlgxPE Spool			2	EA			\$ -	
38	6” Ø Ductile Iron Pipe 13’9” FlgxFlg Spool			1	EA			\$ -	
39	6” Ø Ductile Iron 90 Deg Bend (FLG)			4	EA			\$ -	
40	6” Ø Ductile Iron 45 Deg Bend (FLG)			1	EA			\$ -	
41	6” Ø Ductile Iron 90 Deg Bend (MJ)			2	EA			\$ -	
42	6” Ø Ductile Iron 45 Deg Bend (MJ)			1	EA			\$ -	
43	6” Ø Ductile Iron Megalug			6	EA			\$ -	
44	6” Ø Ductile Iron Tee (FLG)			1	EA			\$ -	
45	6” Ø Ductile Iron Tapped Blind			1	EA			\$ -	
46	6” Ø Bolt-Nut-Gasket Kit			15	EA			\$ -	
47	2” Combination ARV			1	EA			\$ -	
48	Adjustable Pipe Supports			5	EA			\$ -	
BLDG 70 Centrate Line – Ductile Iron								\$ -	
50	Ductile Iron Pipe Fitting 8” Tee (FLG)			1	EA			\$ -	
51	Ductile Iron Pipe Fitting 8x6” Reducer (FLG)			3	EA			\$ -	
52	Ductile Iron Pipe Fitting 6x4” Reducer (FLG)			2	EA			\$ -	
53	Ductile Iron Pipe Spool 6” - 4’4” FlgxFlg Spool			1	EA			\$ -	
54	Ductile Iron Pipe Spool 6” - 5’ FlgxFlg Spool			2	EA			\$ -	
55	Ductile Iron Pipe Spool 6” - 1’3” FlgxFlg Spool			2	EA			\$ -	
56	8” Bolt-Nut-Gasket Kit			8	EA			\$ -	
57	6” Bolt-Nut-Gasket Kit			13	EA			\$ -	
58	4” Bolt-Nut-Gasket Kit			2	EA			\$ -	
59	8” Plug Valve			2	EA			\$ -	
60	6” Plug Valve			2	EA			\$ -	
61	6” Check Valve			2	EA			\$ -	
62	6” Expansion Joint			2	EA			\$ -	
63	6” Saddle Tap			3	EA			\$ -	
64	8” Saddle Tap			3	EA			\$ -	
Effluent Suction Pipeline – Ductile Iron								\$ -	
65	24” Ductile Iron Spool 3’10” FlgxFlg			2	EA			\$ -	
66	24” Ductile Iron Spool 1’6” FlgxFlg			1	EA			\$ -	
67	24” Ductile Iron Fitting 90 Deg Bend (FLG)			2	EA			\$ -	
68	24” Ductile Iron Fitting Tee (FLG)			1	EA			\$ -	
69	24” Ductile Iron Fitting Wall Spool FlgxFlg			2	EA			\$ -	
70	24” Ductile Iron Fitting Wall Spool FlgxPe			1	EA			\$ -	
71	24” Ductile Iron Bolt-Nut-Gasket Kit			10	EA			\$ -	
72	8” Ductile Iron Spool 20’ FlgxPE			1	EA			\$ -	
73	8” Ductile Iron Spool 10’7” FlgxFlg			1	EA			\$ -	
74	8” Ductile Iron Spool 1’1” FlgxFlg			1	EA			\$ -	
75	8” Ductile Iron Spool 1’3” FlgxFlg			1	EA			\$ -	
76	8” Ductile Iron Spool 3’7” FlgxFlg			1	EA			\$ -	
77	8” Ductile Iron Spool 11’7” FlgxPE			1	EA			\$ -	
78	8” Ductile Iron Spool 9’4” FlgxFlg			1	EA			\$ -	
79	8” Ductile Iron Fitting 90 Deg Bend (FLG)			7	EA			\$ -	
80	8” Ductile Iron Fitting Tee (FLG)			2	EA			\$ -	
81	Ductile Iron Fitting 8”x4” Reducer (FLG)			2	EA			\$ -	

Effluent Discharge Pipeline – Ductile Iron						\$	-
83	5x4" Ductile Iron Fitting Reducer (FLG)	2	EA			\$	-
84	8" Ductile Iron Plug Valve	4	EA			\$	-
85	8" Ductile Iron Support Adjustable Support	5	EA			\$	-
86	8" Ductile Iron Spool 6'2" FlgxFlg	1	EA			\$	-
87	8" Ductile Iron Spool 1'2" FlgxFlg	2	EA			\$	-
88	8" Ductile Iron Spool 4" FlgxFlg	1	EA			\$	-
89	8" Ductile Iron Fitting Saddle Tap	2	EA			\$	-
90	8" Ductile Iron Bolt-Nut-Gasket Kit	26	EA			\$	-
91	6" Ductile Iron Plug Valve	2	EA			\$	-
93	6" Ductile Iron Gate Valve (MJ)	1	EA			\$	-
94	6" Ductile Iron Adjustable Support	6	EA	\$680.00		\$	4,080
95	6" Ductile Iron Spool 2'11" FlgxFlg	1	EA			\$	-
96	6" Ductile Iron Spool 1'4" FlgxFlg	1	EA			\$	-
97	6" Ductile Iron Spool 8'4" FlgxFlg	1	EA			\$	-
98	6" Ductile Iron Spool 1'5" FlgxFlg	1	EA			\$	-
99	6" Ductile Iron Spool 5'8" FlgxFlg	1	EA			\$	-
100	6" Ductile Iron Spool 5'5" FlgxFlg	1	EA			\$	-
101	6" Ductile Iron Spool 10' FlgxPE	1	EA			\$	-
102	6" Ductile Iron Pipe	40	LF			\$	-
103	6" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA			\$	-
104	6" Ductile Iron Fitting Tee (FLG)	1	EA			\$	-
105	6" Ductile Iron Fitting 90 Deg Bend (MJ)	1	EA			\$	-
106	6" Ductile Iron Fitting 45 Deg Bend (MJ)	1	EA			\$	-
107	6" Ductile Iron Fitting Tee (MJ)	1	EA			\$	-
108	6" Ductile Iron Fitting Solid Sleeve (MJ)	1	EA			\$	-
109	6" Ductile Iron Fitting Megalug	11	EA			\$	-
110	6" Ductile Iron Fitting Saddle Tap	4	EA			\$	-
111	6" Ductile Iron Bolt-Nut-Gasket Kit	18	EA			\$	-
112	4" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA			\$	-
113	4" Ductile Iron EJ Expansion Joint	2	EA			\$	-
114	4" Ductile Iron Bolt-Nut-Gasket Kit	2	EA			\$	-
115	4" Ductile Iron Bolt-Nut-Gasket Kit	6	EA			\$	-
116	2" Ductile Iron Valve Combination ARV	1	EA			\$	-

The undersigned agrees, if this bid is accepted, to enter into a contract with Contractor in accordance with the terms and conditions outlined in the attached sample contract for the work described in the Instructions to Bidders and any subsequent addenda. Any and all deviations and/or exceptions taken by bidder to the terms, conditions, plans, specifications, codes, standards or this request for quote shall be clearly stated in writing and included as an attachment to the bid form.



2325 S. Main Street, Vidor, TX 77612

Phone#: (409) 768-1419

www.CogbillConstruction.com

COGBILL QUOTE

Today's Date	12/10/2024
RFQ#	
Estimate #	24-0947
Terms	Net 30
Shipping Method	TBD
Cogbill Contact	CM

Bill To:

Kiewit Offshore Services, Ltd.
PO BOX 452500
Omaha, Nebraska, United States
68145-2500
KBS.InvoicesAP@kiewit.com

Ship To:

Kiewit Offshore Services, Ltd.
7101 North Casa Grande Highway,
Tucson, AZ

Line Item	Qty	Description	Unit Price	Line Total
1	1	Budgetary price to supply labor and material to fabricate (86) pipe supports taken from BOM. Price includes galvanizing. Price is budgetary. AML will be no China or India. No AML for hardware. All material quoted carbon steel. Price does not include any bolts or anchor bolts. Some structural members may be fabricated from plate. Price does not include delivery. Delivery will be PPA. Quote is good for 7 days. Schedule to be determined ARO	212,280.00	212,280.00

Sub Total \$212,280.00

Sales Tax (0.0%) \$0.00

TOTAL \$212,280.00

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Sent proposal: —

Submitted Dec 11, 2024 at 9:13 AM MST
Copper State Bolt & Nut Co Inc
3602 North 35th Avenue, Phoenix, AZ 85017 US
Christopher Combs | ccombs@copperstate.com

Line Items

Description	Quantity	Unit Cost	Total Cost
48" AERATION HEADER PIPELINE MATERIALS – MATERIALS SHALL FOLLOW CLASS A BIOSOLIDS SOLAR DRYING FACILITY (3TRCAB) PLANS AND SPECS:			
48" Ø Carbon Steel Pipe	552	x — /linear foot	—
48" Ø Weld-on Flange	36	x — /each	—
48" Ø Blind Flange	2	x — /each	—
48" Ø Butterfly Valve	1	x — /each	—
48" Ø Motor-Actuated Butterfly Valve	1	x — /each	—
48" Ø Expansion Joints	16	x — /each	—
48" Ø Bolt-Nut-Gasket Kit	36	x — /each	—
Base Bid			\$0

Alternates

48" AERATION HEADER OPTIONAL PIPELINE MATERIALS – MATERIALS TO FOLLOW CLASS A BIOSOLIDS SOLAR DRYING FACILITY (3TRCAB) PLANS AND SPECS:

- 48" Ø Fabricated Sliding Saddle Support
- 48" Ø Butt-Strap Joint (Ship loose)
- 48" Ø Weld-on Flange (ship loose)
- 48" Ø Blind Flange

ANITAMOX PIPELINE MATERIALS – MATERIALS TO FOLLOW SIDESTREAM ANITAMOX PROCESS (3ANOMX) PLANS AND SPECS:

- 30" Ø Carbon Steel Fabricated Pipe
- 20" Ø Carbon Steel Fabricated Pipe
- 14" Ø Carbon Steel Fabricated Pipe
- 10" Ø Carbon Steel Fabricated Pipe
- 30" Ø Weld-on Flange
- 20" Ø Weld-on Flange
- 14" Ø Weld-on Flange
- 10" Ø Weld-on Flange
- 20" Ø Butterfly Valve
- 10" Ø Butterfly Valve
- 10" Ø Motor-Actuated Butterfly Valve
- 10" Modulating Valve
- 30" Ø Bolt-Nut-Gasket Kit

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

20" Ø Bolt-Nut-Gasket Kit

14" Ø Bolt-Nut-Gasket Kit

10" Ø Bolt-Nut-Gasket Kit

14" Ø Victaulic Model 231 Expansion Coupling

10" Ø Victaulic Model 231 Expansion Coupling

20" Sliding Saddle Support

20" Fixed Saddle Support

14" Sliding Saddle Support

14" Fixed Saddle Support

10" Sliding Saddle Support

10" Fixed Saddle Support

20" Ø Expansion Joint

14" Ø Expansion Joint

REACTOR CENTRATE FEED PIPELINE -- DUCTILE IRON:

6" Ø Ductile Iron Pipe

6" Ø Ductile Iron Pipe 4'10" FlgxFlg Spool

6" Ø Ductile Iron Pipe 2' FlgxFlg Spool

6" Ø Ductile Iron Pipe 14'9" FlgxFlg Spool

6" Ø Ductile Iron Pipe 19'6" FlgxFlg Spool

6" Ø Ductile Iron Pipe 10' FlgxFE Spool

6" Ø Ductile Iron Pipe 13'9" FlgxFlg Spool

6" Ø Ductile Iron 90 Deg Bend (FLG)

6" Ø Ductile Iron 45 Deg Bend (FLG)

6" Ø Ductile Iron 90 Deg Bend (MJ)

6" Ø Ductile Iron 45 Deg Bend (MJ)

6" Ø Ductile Iron Megalug

6" Ø Ductile Iron Tee (FLG)

6" Ø Ductile Iron Tapped Blind

6" Ø Bolt-Nut-Gasket Kit

2" Combination ARV

Adjustable Pipe Supports

BLDG 70 CENTRATE LINE -- DUCTILE IRON:

Ductile Iron Pipe Fitting 8" Tee (FLG)

Ductile Iron Pipe Fitting 8x6" Reducer (FLG)

Ductile Iron Pipe Fitting 6x4" Reducer (FLG)

Ductile Iron Pipe Spool 6" - 4'4" FlgxFlg Spool

Ductile Iron Pipe Spool 6" - 5' FlgxFlg Spool

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Ductile Iron Pipe Spool 6" - 1'3" FlgXFlg Spool

8" Bolt-Nut-Gasket Kit

6" Bolt-Nut-Gasket Kit

4" Bolt-Nut-Gasket Kit

8" Plug Valve

6" Plug Valve

6" Check Valve

6" Expansion Joint

6" Saddle Tap

8" Saddle Tap

EFFLUENT SUCTION PIPELINE – DUCTILE IRON:

24" Ductile Iron Spool 3'10" FlgXFlg

24" Ductile Iron Spool 1'6" FlgXFlg

24" Ductile Iron Fitting 90 Deg Bend (FLG)

24" Ductile Iron Fitting Tee (FLG)

24" Ductile Iron Fitting Wall Spool FlgXFlg

24" Ductile Iron Fitting Wall Spool FlgXPe

24" Ductile Iron Bolt-Nut-Gasket Kit

8" Ductile Iron Spool 20" FlgXPe

8" Ductile Iron Spool 10'7" FlgXFlg

8" Ductile Iron Spool 1'1" FlgXFlg

8" Ductile Iron Spool 1'3" FlgXFlg

8" Ductile Iron Spool 3'7" FlgXFlg

8" Ductile Iron Spool 11'7" FlgXPe

8" Ductile Iron Spool 9'4" FlgXFlg

8" Ductile Iron Fitting 90 Deg Bend (FLG)

8" Ductile Iron Fitting Tee (FLG)

Ductile Iron Fitting 8"x4" Reducer (FLG)

EFFLUENT DISCHARGE PIPELINE – DUCTILE IRON:

6x4" Ductile Iron Fitting Reducer (FLG)

8" Ductile Iron Plug Valve

8" Ductile Iron Support Adjustable Support

8" Ductile Iron Spool 6'2" FlgXFlg

8" Ductile Iron Spool 1'2" FlgXFlg

8" Ductile Iron Spool 4" FlgXFlg

8" Ductile Iron Fitting Saddle Tap

8" Ductile Iron Bolt-Nut-Gasket Kit

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

- 6" Ductile Iron Plug Valve
- 6" Ductile Iron Check valve
- 6" Ductile Iron Gate Valve (MJ)
- 6" Ductile Iron Adjustable Support
- 6" Ductile Iron Spool 2'11" FlgxFlg
- 6" Ductile Iron Spool 1'4" FlgxFlg
- 6" Ductile Iron Spool 8'4" FlgxFlg
- 6" Ductile Iron Spool 1'5" FlgxFlg
- 6" Ductile Iron Spool 5'8" FlgxFlg
- 6" Ductile Iron Spool 5'5" FlgxFlg
- 6" Ductile Iron Spool 10' FlgxPE
- 6" Ductile Iron Pipe
- 6" Ductile Iron Fitting 90 Deg Bend (FLG)
- 6" Ductile Iron Fitting Tee (FLG)
- 6" Ductile Iron Fitting 90 Deg Bend (MJ)
- 6" Ductile Iron Fitting 45 Deg Bend (MJ)
- 6" Ductile Iron Fitting Tee (MJ)
- 6" Ductile Iron Fitting Solid Sleeve (MJ)
- 6" Ductile Iron Fitting Megalug
- 6" Ductile Iron Fitting Saddle Tap
- 6" Ductile Iron Bolt-Nut-Gasket Kit
- 4" Ductile Iron Fitting 90 Deg Bend (FLG)
- 4" Ductile Iron EJ Expansion Joint
- 4" Ductile Iron Bolt-Nut-Gasket Kit
- 2" Ductile Iron Valve Combination ARV

Inclusions

Freight FOB delivered to the Project site and included in the unit rates	Yes
All materials must meet all applicable Project and Standard Specifications	Yes
Supply of all Incorporated Materials such as gaskets and other connection accessories.	Yes
Due to limited on site storage space, Bidder must store materials until Contractor requests delivery.	Yes
Seller is responsible for preparation and submittal of all shop drawings, material certifications, and applicable submittals	Yes
Seller shall include all surface prep, primer, and finish coatings as required in specifications	Yes

Scope-Specific Clarifications

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Price excludes installation of materials

Price excludes Maintenance of Traffic during deliveries

Contractor will be responsible to unload deliveries at the Project Site.

Please Quote All-in accessories per assembled component

Contractor must be notified within 24 hours of shipment

For all fabricated steel pipelines, Seller shall provide shop drawings detailing spool lengths, flanges, fittings, joints, and locations of outlets for process devices for approval by Contractor. Drawing shall have mark numbers and lay sequence for each component that will be labeled on the material prior to shipment.

Price excludes in-line flowmeters and instrumentation

General Acknowledgments

PORPOSAL VALIDITY:

Bidder's proposal is valid for 90 days from the submission date.

No

ESCALATION:

Bidder has included all material and labor escalations through completion of scope of work. (If "NO" enter annual escalation rate below)

Yes

What is Bidder's annual material and/or labor escalation rate. (Mark "N/A" if answer above is "YES")

n/a

GENERAL BIDDER ACKNOWLEDGEMENTS:

Bidder is currently licensed to perform work in the State of Arizona in compliance with the Arizona Administrative Code?

Yes

Bidder is aware of site access conditions, including wait times and delays as described in the contract, and has included these costs in their quotation.

Yes

Bidder has read and confirms its proposal complies with the Instructions to Bidders.

Yes

Bidder has read and confirms its proposal complies with the Scope of Work.

Yes

Bidder has read and confirms its proposal complies with the Project's Plans and Specifications provided.

Yes

Bidder has read and confirms its proposal complies with all scope-specific testing, inspections, as required by contract documents and specifications provided.

Yes

Bidder has read and confirms its proposal complies with the Project's Health and Safety and Environmental Plans.

Yes

If work is awarded to Bidder, Bidder agrees to enter into a mutually agreed upon Contract.

Yes

Bidder agrees to the terms and conditions on the sample Agreement provided for this scope. If answer is no, list exceptions below or include separately attached list of exceptions.

Yes

If answer was "no" above, List any exceptions to the Agreement.

n/a

Bidder's warranty complies with the project requirements.

Yes

Bidder has included all applicable taxes in the proposal price.

No

Bidder has included costs for all licenses and fees required to perform the Scope of Work.

No

Is Bidder furnishing any permanent materials as a part of the Scope of Work?

No

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

If Bidder is furnishing permanent materials as a part of the Scope of Work, are delivery costs included and compliant with the Freight term of the Instructions to Bidders document?

Yes

RFP AMENDMENTS AND REVISIONS:

Bidder acknowledges receipt of all Owner issued amendments (enter highest amendment sequence). n/a

Bidder acknowledges that bid is based on "Scope of Work" revision number (enter document revision number). n/a

Bidder acknowledges that bid is based on "Instructions to Bidders" revision number (enter document revision number). n/a

LEAD TIME, SHIPPING, AND SCHEDULE (MARK "N/A" IF NOT APPLICABLE):

Lead Time - Drawings, include 2-weeks for drawing approval (After Received Order) n/a

Lead Time - 1st Delivery of Equipment/Material to the Project Site (After Received Approved Design) n/a

Lead Time - Last Delivery of Equipment/Material to the Project Site (After Received Approved Design) n/a

For permanent material, where is the material manufactured? n/a

For permanent material, what are the shipping origins? n/a

For permanent material, what are the shipping methods involved (Ship, Rail, Truck, etc.)? n/a

For Subcontracts, how many hours per day is Bidder's proposal based on? n/a

For Subcontracts, how many hours per week is Bidder's proposal based on? n/a

For Subcontracts, is Bidder's proposal based on Union or Non-Union labor? n/a

SITE-SPECIFIC REQUIREMENTS (MARK "N/A" IF NOT APPLICABLE):

Safety Training and Orientation is included in the proposal price. n/a

Background checks are included in the proposal price. n/a

Employee drug screening costs are included in the proposal price. n/a

Bidder has included pricing based on the work hours and calendar restrictions shown in contract documents

Yes

INSURANCE AND QUALITY:

Bidder has read and confirms it can comply with the Project insurance requirements stated in the Project Documents provided.

Yes

Bidder has included all additional costs necessary to comply with the Project insurance requirements.

Yes

If Bidder will incur additional costs to comply with the Project's insurance requirements, Bidder has provided that cost separately in its proposal.

No

Does Bidder have a written Quality Assurance program?

No

Does Bidder have a written Safety Program?

No

AUTHORIZED COMPANY REPRESENTATIVE SUBMITTING THIS BID:

Company Authorized Representative (Name, Title)

Javier Acosta, Branch Manager

By acknowledging "Yes" to this statement, Bidder represents that a duly authorized representative, capable of entering into a legally binding agreement and authorized to submit this bid, is the individual submitting this bid.

Yes

BIDDER CONTACT INFORMATION:

Tres Rios WRF

7101 North Casa Grande Highway, Tucson, AZ 85743, United States of America

Bidder Company Name (Legal Name)	Copperstate Bolt and Nut Co.
Address (Street, City, State, Zip)	3602 N 35th Ave Phoenix, AZ 85017
Bidder Contact Name (for questions regarding this proposal)	Chris Combs
Contact Email	ccombs@copperstate.com
Contact Phone	(623) 267-3839

Bond Information

Is Bidder currently able to Bond or provide an Irrevocable Letter of Credit?	No
If unable to provide form of security or providing a form of security is not applicable to the scope of work, please explain.	
If Yes, Enter Bond Rate.	
If Yes, Enter Bond Limit.	

Certifications

Is bidder registered as Small Business Enterprise (SBE)	No
If yes, please provide the certifying agency and relevant certification #, as applicable. (Enter N/A if not applicable)	n/a

Disclaimers and Clarifications

Bid package documents (electronic) including applicable plans and technical specifications are included in this specific bid package under the FILES tab.

Additional Information

Notes	good morning, thank you for the opportunity to bid. please see attachment and terms below. 7-8 week lead time (ship complete) domestic material pricing valid for 30 days pricing includes delivery if you have any questions, please feel free to contact me. thank you,
-------	--

Attachments

 final bid to Keiwit.xlsx (14 KB)

Company: Copperstate Bolt and Nut Co.			Contact: Chris Combs (623)267-3839 ccombs@copperstate.com								
Customer Ref.	Bolt/Stud Spec	Nut Spec	Washer Spec	Gasket Type	Working Diameter	Kit Qty	Bolt/Stud Description	Nut Description	Washer Description	Sell Price Per Kit	Total Sale Price
BNG Set HDG 150#	A193 B7 HDG Domestic	A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye Domestic	F436 Hard Washer HDG Domestic	Viton - Ring	6	20	3/4-10 X 3-1/2" A193-B7 Heavy Hex Head Bolt HDG	3/4-10 A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye	3/4F436 Flat Washer Type 1 HDG	\$ 75.63	\$ 1,512.60
BNG Set HDG 150#	A193 B7 HDG Domestic	A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye Domestic	F436 Hard Washer HDG Domestic	Viton - Ring	10	20	7/8-9 X 4" A193-B7 Heavy Hex Head Bolt HDG	7/8-9 A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye	7/8 F436 Flat Washer Type 1 HDG	\$ 153.47	\$ 3,069.40
BNG Set HDG 150#	A193 B7 HDG Domestic	A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye Domestic	F436 Hard Washer HDG Domestic	Viton - Ring	14	8	1-8 X 4-1/2" A193-B7 Heavy Hex Head Bolt HDG	1-8 A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye	1 F436 Flat Washer Type 1 HDG	\$ 243.38	\$ 1,947.04
BNG Set HDG 150#	A193 B7 HDG Domestic	A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye Domestic	F436 Hard Washer HDG Domestic	Viton - Ring	20	12	1-1/8-7 X 5-1/2" A193-B7 Heavy Hex Head Bolt HDG	1-1/8-7 A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye	1-1/8 F436 Flat Washer Type 1 HDG	\$ 637.03	\$ 7,644.36
BNG Set HDG 150#	A193 B7 HDG Domestic	A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye Domestic	F436 Hard Washer HDG Domestic	Viton - Ring	30	1	1-1/4-7 X 6-1/2" A193-B7 Heavy Hex Head Bolt HDG	1-1/4-7 A563 Grade DH Heavy Hex Nut HDG w/Wax and Dye	1-1/4 F436 Flat Washer Type 1 HDG	\$ 1,372.98	\$ 1,372.98
BNG Set CS 150#	A193 B7 Plain Domestic	A563 Grade DH Heavy Hex Nut Plain Domestic	F436 Hard Washer Plain Domestic	Neoprene - F.F.	4	8	5/8-11 X 3" A193-B7 Heavy Hex Head Bolt Plain	5/8-11 A563 Grade DH Heavy Hex Nut Plain	5/8 F436 Flat Washer Type 1 Plain	\$ 27.72	\$ 221.76
BNG Set CS 150#	A193 B7 Plain Domestic	A563 Grade DH Heavy Hex Nut Plain Domestic	F436 Hard Washer Plain Domestic	Neoprene - F.F.	6	33	3/4-10 X 3-1/2" A193-B7 Heavy Hex Head Bolt Plain	3/4-10 A563 Grade DH Heavy Hex Nut Plain	3/4 F436 Flat Washer Type 1 Plain	\$ 44.50	\$ 1,468.50
BNG Set CS 150#	A193 B7 Plain Domestic	A563 Grade DH Heavy Hex Nut Plain Domestic	F436 Hard Washer Plain Domestic	Neoprene - F.F.	8	27	3/4-10 X 3-1/2" A193-B7 Heavy Hex Head Bolt Plain	3/4-10 A563 Grade DH Heavy Hex Nut Plain	3/4 F436 Flat Washer Type 1 Plain	\$ 46.32	\$ 1,250.64
BNG Set CS 150#	A193 B7 Plain Domestic	A563 Grade DH Heavy Hex Nut Plain Domestic	F436 Hard Washer Plain Domestic	Neoprene - F.F.	24	3	1-1/4-7 X 6" A193-B7 Heavy Hex Head Bolt Plain	1-1/4-7 A563 Grade DH Heavy Hex Nut Plain	1-1/4 F436 Flat Washer Type 1 Plain	\$ 617.10	\$ 1,851.30
BNG Set SS316 150#	A193 B8M Domestic	A194 8M Heavy Hex Nut Domestic	316 SST Flat Washer Domestic	Neoprene - F.F.	2	5	5/8-11 X 3" A193-B8M Heavy Hex Head Bolt 316 S/S	5/8-11 A194-8M Heavy Hex Nut 316 S/S	5/8 Flat Washer 316 SST	\$ 65.10	\$ 325.50
BNG Set SS316 150#	A193 B8M Domestic	A194 8M Heavy Hex Nut Domestic	316 SST Flat Washer Domestic	Neoprene - F.F.	3	15	5/8-11 X 3" A193-B8M Heavy Hex Head Bolt 316 S/S	5/8 Flat Washer 316 SST	\$ 87.80	\$ 1,317.00	
BNG Set SS316 150#	A193 B8M Domestic	A194 8M Heavy Hex Nut Domestic	316 SST Flat Washer Domestic	Neoprene - F.F.	4	2	5/8-11 X 3" A193-B8M Heavy Hex Head Bolt 316 S/S	5/8-11 A194-8M Heavy Hex Nut 316 S/S	5/8 Flat Washer 316 SST	\$ 130.47	\$ 260.94
BNG Set SS316 150#	A193 B8M Domestic	A194 8M Heavy Hex Nut Domestic	316 SST Flat Washer Domestic	Neoprene - F.F.	6	16	3/4-10 X 3-1/2" A193-B8M Heavy Hex Head Bolt 316 S/S	3/4-10 A194-8M Heavy Hex Nut 316 S/S	3/4 Flat Washer 316 SST	\$ 194.88	\$ 2,923.20
BNG Set SS316 150#	A193 B8M Domestic	A194 8M Heavy Hex Nut Domestic	316 SST Flat Washer Domestic	Neoprene - F.F.	24	1	1-1/4-7 X 6" A193-B8M Heavy Hex Head Bolt 316 S/S	1-1/4-7 A194-8M Heavy Hex Nut 316 S/S	1-1/4 Flat Washer 316 SST	\$ 1,605.57	\$ 1,605.57
InsFlgKit(Only)150#				ISO KIT	4	2	4" 150# TYPE E TROJAN DUPLEX G-10 GASKET KIT			\$ 68.11	\$ 136.22
InsFlgKit(Only)150#				ISO KIT	6	15	6" 150# TYPE E TROJAN DUPLEX G-10 GASKET KIT			\$ 86.51	\$ 1,297.65
InsFlgKit(Only)150#				ISO KIT	24	1	24" 150# TYPE E TROJAN DUPLEX G-10 GASKET KIT			\$ 489.62	\$ 489.62
										\$ -	\$ 28,694.28

[Attention Bidder: Please Enter Information in Non-Shaded Cells Only]

. Internal Use Only

78	8" Ductile Iron Spool 9'4" FlgxFlg	1	EA	\$1,580.33		\$ 1,580	
79	8" Ductile Iron Fitting 90 Deg Bend (FLG)	7	EA	\$353.05		\$ 2,471	
80	8" Ductile Iron Fitting Tee (FLG)	2	EA	\$526.70		\$ 1,053	
81	Ductile Iron Fitting 8"x4" Reducer (FLG)	2	EA	\$223.10		\$ 446	
Effluent Discharge Pipeline – Ductile Iron				0		\$ -	
83	6x4" Ductile Iron Fitting Reducer (FLG)	2	EA	\$300.15		\$ 600	
84	8" Ductile Iron Plug Valve	4	EA	\$0.00		\$ -	Price to Follow
85	8" Ductile Iron Support Adjustable Support	8	EA	\$0.00		\$ -	By Others
86	8" Ductile Iron Spool 6'2" FlgxFlg	1	EA	\$1,229.78		\$ 1,230	
87	8" Ductile Iron Spool 1'2" FlgxFlg	2	EA	\$645.53		\$ 1,291	
88	8" Ductile Iron Spool 4" FlgxFlg	1	EA	\$587.10		\$ 587	
89	8" Ductile Iron Fitting Saddle Tap	2	EA	\$0.00		\$ -	By Others
90	8" Ductile Iron Bolt-Nut-Gasket Kit	27	EA	\$10.45		\$ 282	
91	6" Ductile Iron Plug Valve	2	EA	\$0.00		\$ -	Price to Follow
93	6" Ductile Iron Gate Valve (MJ)	1	EA	\$0.00		\$ -	Price to Follow
	6" Butterfly Vlv	1		\$0.00		\$ -	Price to Follow
94	6" Ductile Iron Adjustable Support	6	EA	\$0.00		\$ -	By Others
95	6" Ductile Iron Spool 2'11" FlgxFlg	1	EA	\$565.73		\$ 566	
96	6" Ductile Iron Spool 1'4" FlgxFlg	1	EA	\$440.33		\$ 440	
97	6" Ductile Iron Spool 8'4" FlgxFlg	1	EA	\$1,025.53		\$ 1,026	
98	6" Ductile Iron Spool 1'5" FlgxFlg	1	EA	\$440.33		\$ 440	
99	6" Ductile Iron Spool 5'8" FlgxFlg	1	EA	\$816.53		\$ 817	
100	6" Ductile Iron Spool 5'5" FlgxFlg	1	EA	\$774.73		\$ 775	
101	6" Ductile Iron Spool 10' FlgxPE	1	EA	\$950.50		\$ 951	
102	6" Ductile Iron Pipe	40	LF	\$39.00		\$ 1,560	
103	6" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$216.20		\$ 432	
104	6" Ductile Iron Fitting Tee (FLG)	1	EA	\$388.13		\$ 388	
105	6" Ductile Iron Fitting 90 Deg Bend (MJ)	1	EA	\$124.20		\$ 124	
106	6" Ductile Iron Fitting 45 Deg Bend (MJ)	1	EA	\$100.63		\$ 101	
107	6" Ductile Iron Fitting Tee (MJ)	1	EA	\$216.20		\$ 216	
108	6" Ductile Iron Fitting Solid Sleeve (MJ)	1	EA	\$113.08		\$ 113	
109	6" Ductile Iron Fitting Megalug	11	EA	\$34.64		\$ 381	
110	6" Ductile Iron Fitting Saddle Tap	4	EA	\$0.00		\$ -	By Others
111	6" Ductile Iron Bolt-Nut-Gasket Kit	18	EA	\$9.76		\$ 176	
112	4" Ductile Iron Fitting 90 Deg Bend (FLG)	2	EA	\$174.80		\$ 350	
113	4" Ductile Iron EJ Expansion Joint	2	EA	\$0.00		\$ -	By Others
114	4" Ductile Iron Bolt-Nut-Gasket Kit	2	EA	\$6.30		\$ 13	
115	4" Ductile Iron Bolt-Nut-Gasket Kit	6	EA	\$6.30		\$ 38	
116	2" Ductile Iron Valve Combination ARV	1	EA	\$0.00		\$ -	Price to Follow

The undersigned agrees, if this bid is accepted, to enter into a contract with Contractor in accordance with the terms and conditions outlined in the attached sample contract for the work described in the Instructions to Bidders and any subsequent addenda. Any and all deviations and/or exceptions taken by bidder to the terms, conditions, plans, specifications, codes, standards or this request for quote shall be clearly stated in writing and included as an attachment to the bid form.

Name/ Title

Company Name

Address

Date

Contact Phone

Email



SALES QUOTE

8535 Dice Road
Santa Fe Springs, CA 90670
Phone: 562-698-8800 Fax: 562-698-8831
www.duncanbolt.com

Quote #:
02-00291670
F.O.B.
PHOENIX,AZ
Page: 1 of 4

BILL TO: 7962

KIEWIT WESTERN CO
3888 E BROADWAY RD

PHOENIX, AZ 85040
USA

SHIP TO:

KIEWIT WESTERN CO
3888 E BROADWAY RD
TRES RIOS PROJECT
MARANA, AZ 85040
USA

Contact:**Terms:** 1% 10 NET 30

Quote Date	Expire Date	Ship Via	Freight	Entered By
12/09/2024	12/16/2024	OUR CHOICE	PPD & CHARGE	BRIANF

Line	Item # / Description	Your Part Number	U/M	Order Qty	Unit Price	Ext Price
1	/GASKET-6" 150# 1/8 VITON RING /GASKET-6" 150# 1/8" THK VITON RING A307B Bolts, A563DH nuts HDG		EA	16	45.2500	\$724.00
2	/GASKET-10" 150# RING 10" 150#1/8"THK RING VITON A307B Bolts, A563DH nuts HDG		EA	20	81.0000	\$1,620.00
3	/GASKET-14" 150# VITON 14" 150#1/8"THK RING VITON A307B Bolts, A563DH nuts HDG		EA	8	138.5000	\$1,108.00
4	/GASKET-20" 150# FF 1/8THK VITON 20" 150# 1/8"THK RING VITON A307B Bolts, A563DH nuts HDG		EA	12	296.0000	\$3,552.00
5	/GASKET-30" 150# 30" 150#1/8"THK RING VITON A307B Bolts, A563DH nuts HDG		EA	1	533.0000	\$533.00



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Contact:**Terms:** 1% 10 NET 30

Quote Date	Expire Date	Ship Via	Freight	Entered By
12/09/2024	12/16/2024	OUR CHOICE	PPD & CHARGE	BRIANF

Line	Item # / Description	Your Part Number	U/M	Order Qty	Unit Price	Ext Price
6	/GAS4"150#1/8"FF-NEO 4"150# FF NEO GASKET 1/8" A307B bolts, A563 HH nuts, plain		EA	8	12.0000	\$96.00
7	/GAS6"150#1/8"FF-NEO 6"150# FF NEO GASKET 1/8" A307B bolts, A563 HH nuts, plain		EA	33	16.0000	\$528.00
8	/GAS8"150#1/8"FF-NEO 8"150# FF NEO GASKET 1/8" A307B bolts, A563 HH nuts, plain		EA	27	17.0000	\$459.00
9	/GASKET-24" NEOPRENE- FF 24" 150# F.F. NEOPRENE 1/8" A307B bolts, A563 HH nuts, plain		EA	3	157.0000	\$471.00
10	/GASKET-2"-150#-NEO-FF- 1/8" WHITE 2" 150# FF NEO GASKET 1/8" A193 316ss B8M bolts, A194 8M 316ss nuts		EA	5	26.0000	\$130.00



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Quote Date	Expire Date	Ship Via	Freight	Entered By
12/09/2024	12/16/2024	OUR CHOICE	PPD & CHARGE	BRIANF

Line	Item # / Description	Your Part Number	U/M	Order Qty	Unit Price	Ext Price
11	/GASKET-3"-150#-NEO-FF-1/8" 3" 150# FF NEO GASKET 1/8" A193 316ss B8M bolts, A194 8M 316ss nuts		EA	15	27.0000	\$405.00
12	/GASKET-4"-150#-NEO-FF-1/8" 4" 150# FF NEO GASKET 1/8" A193 316ss B8M bolts, A194 8M 316ss nuts		EA	2	28.0000	\$56.00
13	/GAS6"150#1/8"FF-NEO 6"150# FF NEO GASKET 1/8" A193 316ss B8M bolts, A194 8M 316ss nuts		EA	15	76.0000	\$1,140.00
14	/GASKET-24"150# NEO-FF 24"150# FF NEOPRENE 1/8" A193 316ss B8M bolts, A194 8M 316ss nuts		EA	1	562.0000	\$562.00
15	/INSULATION-4" 150# INSULATION KIT 4" 150# G10		EA	2	108.0000	\$216.00



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TRES RIOS PROJECT
MARANA, AZ 85040
USA

Contact:**Terms:** 1% 10 NET 30

Quote Date	Expire Date	Ship Via	Freight	Entered By
12/09/2024	12/16/2024	OUR CHOICE	PPD & CHARGE	BRIANF

Line	Item # / Description	Your Part Number	U/M	Order Qty	Unit Price	Ext Price
16	/INSULATION-6" 150# INSULATION KIT 6" 150# G10		EA	15	147.0000	\$2,205.00
17	/INSULATION-24" 150# INSULATION KIT 24" 150# G10		EA	1	745.0000	\$745.00

Material Sub Total: \$14,550.00
Sales Tax: \$0.00
Discount Applied: (\$0.00)
Total: \$14,550.00

THANK YOU FOR ALLOWING US TO BE OF SERVICE TO YOU!! Price does not include freight if applicable

Resource Items

Quote Group: 4.5300 Aggregate / Backfill Materials

(1 of 1)

Award Status: Complete

Reviewed: Yes

Last Reviewed: 12/17/2024 1:55:42 PM

Quote Last Changed: 12/17/2024 12:43:03 PM

Quote Description:				Plug	Detail		4.5300 Aggregate / Backfill Materials - CEMEX				
Awarded Total:				0.00	0.00		8,575.80				
Quoted Items Total:				7,758.00	0.00		7,420.80				
Special Conditions:				0.00	0.00		1,155.00				
Quoted Total:				7,758.00	0.00		8,575.80				
Last Update:							12/17/2024 12:43:03 PM				
Comparable Total:				7,758.00	8,575.80		8,575.80		LG. 12/17		
Seller:						CEMEX					
Buyer's Special Terms & Conditions:						ESC (4/1/25 & 10/1/25) 290 Ton x \$2/Ton = \$580					
Seller's Special Terms & Conditions:						Environmental Surcharge: \$5/LD x 15 LD = \$75					
						Short Load Fee: \$100/LD x 5 LD = \$500					
						Total: \$1,155					
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total
4.5300 Aggregate / Backfill Materials	4.52.001	Bedding/Zone Material - Sand	40.80 Ton	20.00	816.00	44.49	1,815.28	☑	44.49	1,815.28	
4.5300 Aggregate / Backfill Materials	4.52.005	Bedding/Zone Material - 57 Stone	109.20 Ton	25.00	2,730.00	32.94	3,596.59	☑	32.94	3,596.59	
4.5300 Aggregate / Backfill Materials	4.53.001	ABC - ADOT Class II	140.40 Ton	30.00	4,212.00	22.54	3,163.92	☑	22.54	3,163.92	
Scope Item				Quote Group							

GENERAL INFORMATION

Date	12/16/2024 10:41 PM		
Account:	KIEWIT WESTERN COMPANY	Account Manager:	Mark Darrah
Account number:	3034272	E-mail:	mark.darrah@cemex.com
Contact:	Daniel McClure	Phone Number:	520-312-6602
E-mail:	daniel.mcclure@kiewit.com	Customer Service:	602-416-2658
Phone:	5623213002		
Project:	Tres Rios Anita Mox GMP - AGG	Quote Expiration:	3/31/2025
Project Address:	7101 North Casa Grande Highway Tucson Arizona 85743	Price Valid	From 12/16/2024 To 3/31/2025

MATERIAL PRICING

Material Number	Description	Plant	Quantity	UoM	FOB Price	Freight	Delivered Price	Subtotal	Truck Type	Notes
1331885	GG;COMMON BORRO W_NLAG 1	4124 - Agg - Apex	11,000.00	TON	\$7.50	\$6.50	\$14.00	\$154,000.00		***PLEASE SEE BARROW NOTES BELOW***
1183390	1/2":ASTM#57.DOT,GRA VEL	4124 - Agg - Apex	91.00	TON	\$22.00	\$6.50	\$28.50	\$2,593.50		
1312681	WASHED SAND	4124 - Agg - Apex	34.00	TON	\$32.00	\$6.50	\$38.50	\$1,309.00		
1307921	3/4" CLASS II A B	4124 - Agg - Apex	78.00	TON	\$13.00	\$6.50	\$19.50	\$1,521.00		

Total Delivered Price \$159,423.50

CLAUSES

Category	Item	Value	UoM	Comments
Pricing Escalation	Aggregates prices are subject to an escalation of	\$1.00	USD/ton	Effective April 01, 2025 Effective October 01, 2025
Surcharges and Fees	Environmental compliance fee	\$5.00	USD/Load	
	Ready Mix Delivery - Short Load Fee schedule:			If Component Pricing is used for jobsite, Short Load fees do not apply.
	4<6 yds.	\$100.00	USD/Load	
	2<4yds.	\$125.00	USD/Load	
	1<2 yds.	\$150.00	USD/Load	
	Aggregates Delivery - Short Load Fee	\$100.00	USD/Load	Applies to all loads < 20 Tons
	Waiting Time Charge	\$2.00	USD/min	Excess minutes on job over free unload of Ready Mix at 4 min/yard or 40 minutes max per load and Aggregates at 5 min/load
	Bucket Washout Fee	\$25.00	USD/Load	Please contact your sales representative to discuss this fee
	Color Washout fee	\$20.00	USD/Load	Will apply to all color loads to account for all costs associated with additional washout time of the Ready mix Truck upon return to the plant
	PLANT OPENING AND OFF HOURS FEE	Quoted upon Request		Will apply to SATURDAY, SUNDAY, HOLIDAY AND OFF-HOUR opening for delivery
	EFFECTIVE MARCH 1, 2013 A \$6.00 PER CUBIC YARD PREMIUM WILL BE CHARGED FOR ALL SATURDAY DELIVERIES.			
Additional Products and Services	SUBMITTALS REQUIRE A MINIMUM OF 48-HOURS FROM TIME OF REQUEST BY CUSTOMER (MAY TAKE LONGER DEPENDING ON COMPLEXITY OF SPECIFICATIONS). CUSTOMER-PROVIDED COMPLETE, FINAL APPROVED SPECIFICATIONS FOR MATERIALS REQUIRED. IF NO SPECIFICATIONS ARE PROVIDED, A SUBMITTAL WILL BE PREPARED AT CUSTOMER DIRECTION, HOWEVER IN THE EVENT THE SUBMITTAL IS REJECTED, SPECIFICATIONS WILL BE REQUIRED PRIOR TO ANY ADDITIONAL SUBMITTAL BEING PREPARED. ANY MIX REQUIRING TRIAL BATCHING WILL DELAY POUR AVAILABILITY BY A MINIMUM OF 35-DAYS AND MAY BE LONGER DEPENDING ON REQUIREMENTS AND RESULTS. ANY DELAY CAUSED BY TRIAL BATCHING IS THE SOLE LIABILITY OF BUYER. Additional retarders or accelerators available upon request			
	Chilled Water	\$1.50	USD/Cu Yd	
	Hot Water	\$1.50	USD/Cu Yd	
	Ice	\$0.50	USD/lbs	

Pricing Conditions

****Borrow is a non-spec product sold as is. We can arrange for you to get a sample to test it if you would like. We currently do not have the manpower or machinery to be able to load large orders of borrow. If the customer can provide an excavator and an operator to load their trucks, then borrow can be favorably priced for larger jobs.
The customer is responsible for dust control per Cemex terms.

The operator would have to be MSHA Certified and follow all CEMEX's safety protocols.

****Availability not guaranteed.

All Sales are subject to CEMEX Standard terms and conditions which shall control and take precedence over any terms and conditions to the contrary in any purchase order or other document. Customer is responsible for Applicable Sales Tax. Such taxes will appear on Invoice unless Sales Tax exemption certificate is on file at CEMEX prior to shipping.

All Prices quoted for Normal Delivery hours only: Summer Hours are between 3:00 am to 1:00 pm / Winter Hours 5 am to 3 pm. Monday through Friday excluding Holidays. Off Hours or Over time Service can be quoted upon request.

Seller reserves the right to increase prices on any quotes or accepted orders without notice to reflect any raw material cost increases or surcharges incurred by the seller.

Seller reserves the right to defer or cancel any quotes or accepted orders in the event seller becomes delayed or prevented from performing due to shortage or allocations of raw materials.

Seller shall not be liable to buyer for any damages incurred by buyer as a result of any such delay or cancellation.

Payment terms

Payment Terms are standard as follows: Net 20th Prox. (20th of the month following delivery)

Invoices on approved credit will carry a 1% discount if paid by the 15th of the month following the delivery

Delayed portion of payment will attract a Finance charge of the lesser of 1.5% per month, 18% per annum or maximum permitted under applicable laws

Material Availability

Circumstances beyond Cemex's control, there may be a shortage of flyash in Southern Arizona. Prices may spike and Cemex's will be forced to pass along the increased cost to all projects.

Due to unexpected or unavoidable shortages in the supply of raw materials, CEMEX shall not be held liable for consequential damages, delay damages, or other claims on account of an inability to fulfill concrete orders.

Delivery Availability

POINT OF DISCHARGE IS AT THE BACK END OF THE READY-MIX TRUCK. THIS IS TO INCLUDE ANY MEASUREMENT OF THE AIR CONTENT AND SLUMP.

Product Performance

All cost associated in keeping concrete within ASTM specifications of temperature control is the responsibility of the contractor once concrete leaves the batch plant.

Should the Purchaser choose not to purchase temperature control measures, the Purchaser shall assume all liability for rejected concrete due to Non-compliant concrete temperature.

IF THERE ARE ANY QUESTIONS OR TO FURTHER DISCUSS THE SCOPE OF THIS PROJECT, PLEASE CONTACT THE SALESPERSON LISTED ON THIS MATERIAL QUOTATION.

CEMEX Con Mat South, LLC

Quoted By:

Mark Darrah

KIEWIT WESTERN COMPANY

Accepted By:

Daniel McClure

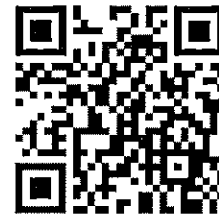
Standard Terms and Condition

1. These Standard Terms and Conditions of CEMEX Con Mat South, LLC and its affiliates ("Seller"), Buyer's Credit Application, and Seller's Quotation, if any, (collectively, "Agreement") govern any and all purchases made by Buyer from Seller and are incorporated herein by reference. This Agreement, and any other documents prepared by Seller for Buyer in connection with Buyer's purchase of materials contain the entire understanding between the parties concerning the subject matter hereof, and there are no other agreements or understandings except as set forth herein. Any different or additional terms or conditions contained in any writing or instrument of Buyer, whether by purchase order or otherwise, are hereby objected to by Seller and shall have no effect on, and not become part of, this Agreement.
2. Technical Assistance. In no event shall Seller bear any responsibility for claims arising from technical advice or assistance provided to Buyer. Advice by Seller is for Buyer's guidance only and Buyer agrees to rely solely on its own architects, engineers or other technical experts.
3. Prices and Price Increases. Prices for the materials are (i) subject to material availability at the time of delivery; (ii) shall remain firm until the date set forth on the Seller's Quotation, if any, or if no such date is given, for a period of thirty (30) days after the date the order was accepted by Seller, the price was quoted by Seller or such shorter period as set forth in the Seller's quote; thereafter prices are subject to change by Seller; and (iii) do not include Saturday, Sunday holiday, off-hour or overtime shipments, all of which are subject to additional charges. Prices are applicable only to the job quoted or orders accepted by Seller and are available only to the specific Buyer referred to therein, are for a standard mix design, if applicable, and are only for the quantities requested by Buyer at the time the prices were quoted. Seller reserves the right to (i) increase prices on any quote or accepted orders without notice to reflect any raw material cost increases or surcharges incurred by Seller and (ii) defer or cancel any quote or accepted orders in the event Seller becomes delayed or prevented from performing due to shortages or allocation of raw materials. In the event of a delay or cancellation resulting from shortages or allocations of raw materials, Seller shall not be liable to Buyer for any damages incurred by Buyer as a result of any such delay or cancellation.
4. Surcharges and Fees. Prices quoted may not include additional charges Buyer may be responsible for. Such additional charges include, but are not limited to, charges for additives, accelerators, winterizers/summerset, water (hot or chilled), ice and stand-by, waiting time and delivery charges due to loads in amounts less than a full truckload. Such prices shall be charged at the rate of Seller's then-current price list for additional charges, which is incorporated into these Terms and Conditions by reference as if fully set forth herein and which is available to Buyer upon request. Buyer acknowledges that surcharges and fees are to recoup Seller's costs and achieve a return on investment.
5. Tests. Seller reserves the right to levy an additional charge on Buyer for any nonstandard tests that Buyer may require to be performed on the materials sold to Buyer. Failure of Buyer to witness any tests shall be deemed a waiver by Buyer of its right to do so and of any right to require repetition of such tests, and Buyer shall be deemed to have accepted any such test results as sufficient to meet its specifications.
6. Payment and Interest. Buyer shall make all payments due hereunder in accordance with the terms of this Agreement and as stated on Seller's invoices or other notices of terms, without any right of setoff or retention and without regard to any agreement Buyer may have with other parties. If Buyer fails to pay in full the invoice amount when due, Buyer agrees to pay interest on the unpaid balance from the date when due until paid in full at the rate selected by Seller, not to exceed the lesser of 18% per annum or the highest lawful rate, specifically including post judgment. Buyer agrees to pay any and all costs and expenses incurred by Seller in collecting from Buyer any past due amounts, including but not limited to reasonable attorney fees, court costs and collection agency fees. Seller may suspend pending deliveries during any period when Buyer has overdue balances or evidence of a changed financial condition.
7. Liens. Buyer agrees to timely provide in writing to Seller information regarding bonding companies, general contractors or owners for the purpose of filing preliminary notices and claims on payment bonds or mechanic's and material supplier's liens.
8. Delivery. Seller's responsibility for delivery shall cease FOB shipping point or, if Seller agrees to deliver FOB delivery site, at the curbside or frontage of the address for delivery. Where delivery of products is to an unattended site, Seller will not be liable for any loss or damage to products, property or for unsigned delivery tickets. In absence of a specific delivery date on the Quotation, Seller will commence delivery of the materials on a date and at a rate mutually agreed upon by both Seller and Buyer.
9. Default. If Buyer is in default under this Agreement or any of its contracts or obligations with Seller, Seller may at its option end without notice: (i) declare the entire unpaid balance owed by Buyer due and payable; (ii) postpone further deliveries until such default is remedied; (iii) terminate any and all obligations under any contract; and (iv) refuse further performance without any liability to Buyer.
10. Limited Warranty and Liability Disclaimer. Seller warrants that the materials sold under this Agreement meet solely the description and specifications for the same set forth in the applicable Quotation, if any, and shall be free from defects in material and workmanship for a period of one (1) year from the date of delivery thereof. No other express warranties are made with respect to said materials. Acceptance by Buyer of the materials shall constitute confirmation by Buyer that the materials meet the description and specifications, if any, set forth in such applicable Quotation. The foregoing warranty is subject to standard manufacturing and color variations, efflorescence, tolerances and classifications or naturally occurring substances. Seller is not responsible for installation or defective conditions caused by installation. Buyer's exclusive remedy for breach of this warranty shall be to require Seller, at Seller's option, to refund the purchase price for the materials failing to comply, to repair or to provide Buyer with conforming replacements for any nonconforming materials. Seller shall not be responsible for any removal or installation costs. THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WRITTEN OR ORAL WARRANTIES OR CONTRACTUAL AGREEMENTS, WHETHER EXPRESS OR IMPLIED BY LAW OR OTHERWISE, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR HABITABILITY. Buyer agrees that in specific consideration for receiving this warranty, it will indemnify and hold harmless Seller from any and all damages in connection with any statutory, contractual or warranty breach, negligence, strict liability, or other tortious conduct by Seller. This Agreement may not be modified or amended except by a writing signed by both parties.
11. Delays. If Seller is unable to complete delivery of any part of an order, Buyer shall accept such part of the order as Seller is able to deliver and Buyer shall pay for the part delivered pro rata at the same rate as the whole of the order agreed to be sold and on the same terms of payment. In the event Seller shall be delayed in or prevented from the performance of any act required under this Agreement, or it shall become commercially unreasonable to perform by reason of governmental allocations, priorities, restrictions or regulations now or hereafter in effect, storm, flood, fire, earthquake or other Acts of God, war, terrorism, riot, insurrection or other civil disturbance, strikes, lockouts, shortages of materials, labor, raw materials, fuel, power or production facilities, breakdown of equipment, transportation shortages, changes in market conditions or other contingencies beyond Seller's reasonable control whether of a similar or dissimilar nature to the foregoing, Seller shall not be liable to Buyer for any damages incurred by Buyer as a result of any such delay or failure.
12. Claims. Buyer agrees that all claims against Seller are waived unless presented to Seller in writing within one week from the date of delivery of the materials. Seller shall have thirty days from receipt to inspect and correct a defect if such claim is allowed. Buyer further agrees that in the event that Buyer disagrees with Seller's decision about whether to allow the claim that the Buyer's remedy is to formally adjudicate the claim, but the Buyer further agrees that Seller's invoices for all materials supplied shall be paid in the interim. No claim shall be allowed after the materials purchased hereunder are incorporated, modified or processed by Buyer in any manner. SELLER'S LIABILITY ON ANY CLAIM FOR LOSS OR DAMAGE SHALL NOT EXCEED THE PRICE OF THE MATERIALS ACTUALLY RECEIVED FROM BUYER BY SELLER WITH REGARD TO WHICH SUCH CLAIM FOR LOSS OR DAMAGE IS MADE.
13. Waiver. Seller may, at its option, permit Buyer to remedy any default under this Agreement without waiving the default so remedied or any other default by Buyer. Buyer waives notice of default of this Agreement and waives presentment, demand, protest, and notice of dishonor as to any instrument issued or delivered to Seller.
14. Venue. This Agreement will be governed by the applicable state and federal laws without giving effect to conflict of laws principles. The Buyer agrees that any legal actions and proceedings brought for the breach or the enforcement of this Agreement will lie in the state and county in this state of delivery. Buyer consents and submits to the jurisdiction and venue of any state, county or federal court located within that county. As a material inducement to Seller to enter into this Agreement, Buyer waives the right to trial by jury in any proceeding arising out of or por related to this Agreement.
15. Notice. Any notice sent to Seller shall be in writing and sent by Certified Mail, postage prepaid, to the 10100 Katy Freeway, Suite 300, Houston, TX 77043, Attn: CEMEX Customer Care.
16. Severability. If any term, provision, covenant or condition of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions shall remain in full force and effect and shall in no way be affected, impaired or invalidated. The parties agree that each term and provision of this Agreement shall be construed according to its fair meaning and not strictly for or against any Party.
17. Offset and/or Setoff. Seller may exercise the right of set-off under this Agreement as to any sums owed by Buyer and/or its affiliates under any other contract or agreement with Seller and/or its affiliates.
18. Remedies Cumulative. The duties and obligations imposed by this Agreement and the rights and remedies available under this Agreement are to be in addition to, and not a limitation of rights and remedies at law or in equity.
19. Miscellaneous. Time is of the essence. Buyer consents to Seller sending information to Buyer regarding Seller's products and prices at any time by fax to any fax number provided by Buyer, other electronic means or otherwise. A facsimile copy or electronic transmission will be treated as an original. Buyer shall not assign the Agreement or any interest herein without the prior written consent of Seller, and any attempted assignment, whether by operation of law or otherwise, shall be void without such prior written consent.
20. Authorization for Credit Review. Buyer consents to Seller's use of a non-business consumer credit report on the Buyer in order to further evaluate the credit worthiness of the Buyer in connection with the extension of business credit as contemplated hereby. Buyer authorizes Seller to utilize a consumer credit report from time to time in connection with the extension or continuation of business credit. Buyer hereby knowingly consents to the use of such credit report consistent with the Federal Fair Credit Reporting Act as contained in 15 USC @ 1681 et seq.
21. Representations. Buyer represents to Seller that it is solvent and that any financial information provided reflects the present financial condition of the Buyer. If Buyer is not a corporation or limited liability entity, Buyer acknowledges that Seller is relying on the credit worthiness and financial ability of the owner(s) of Buyer. Each owner shall be joint and severally liable for all indebtedness of Buyer to Seller under the Agreement. Buyer warrants that all information supplied to Seller is accurate and complete. Each representation and the information contained in a Credit Application, if any, is material and given to induce Seller to provide credit. Buyer will notify Seller by certified mail, within forty-eight (48) hours after any material change in Buyer's financial or ownership status.



Innovative Solutions to Build a Better Future

Cemex is evolving. We have updated our brand as part of our evolution towards becoming a more agile, innovative, and sustainable company. We are committed to helping our customers push the boundaries of sustainable construction through innovative solutions, with the clear goal of building a better future. Scan the QR code to watch our rebrand announcement video and learn more.



Vertua® is a family of sustainable products that enables building a better future. Vertua® promotes sustainable construction solutions through measureable environmental attributes. Learn more about Vertua®, including Vertua® concrete and Vertua® cement lower-carbon options:

buildwithvertua.com



Cemex Go is a first-of-its-kind fully digital customer integration platform allowing you to have more control over your business than ever before. Place, manage, and track your orders in real-time. Plus, you can view invoices and make payments all within the digital platform. Try Cemex Go today:

cemexusa.com/go



Strong, sustainable, and durable, Portland Limestone Cement allows you to enjoy similar benefits to Ordinary Portland Cement (OPC) while lowering your carbon footprint. It can be used for the same applications as OPC, including concrete, precast, block, pavers projects, and many others.

Learn more:

cemexusa.com/PLC



GENERAL INFORMATION

Date: 12/13/2024 3:37 PM
Account: KIEWIT WESTERN COMPANY
Account number: 3034272
Contact: Daniel McClure
E-mail: daniel.mcclure@kiewit.com
Phone: 5623213002
Project: Tres Rios Anita Mox GMP - AGG
Project Address: 7101 North Casa Grande Highway Tucson Arizona 85743
Account Manager: Mark Darrah
E-mail: mark.darrah@cemex.com
Phone Number: 520-312-6602
Customer Service: 602-416-2658
Quote Expiration: 5/10/2024
Price Valid: From 4/10/2024 To 9/30/2024

MATERIAL PRICING

Material Number	Description	Plant	Quantity	UoM	FOB Price	Subtotal	Notes
1331885	GG;COMMON_BORROW_NLAG	4124 - Agg - Apex	11,000.00	TON	\$7.50	\$82,500.00	***PLEASE SEE BARROW NOTES BELOW***
1183390	1 1/2".ASTM#57,DOT,GRAVEL	4124 - Agg - Apex	91.00	TON	\$22.00	\$2,002.00	
1312681	WASHED SAND	4124 - Agg - Apex	34.00	TON	\$32.00	\$1,088.00	
1307921	3/4" CLASS II A B	4124 - Agg - Apex	78.00	TON	\$13.00	\$1,014.00	
Total FOB Price \$86,604.00							

FOB Jobsite?

CLAUSES

Category	Item	Value	UoM	Comments
Pricing Escalation	Aggregates prices are subject to an escalation of	\$1.00	USD/ton	Effective April 01, 2025 Effective October 01, 2025
Surcharges and Fees	Environmental compliance fee	\$5.00	USD/Load	
	Ready Mix Delivery - Short Load Fee schedule:			If Component Pricing is used for jobsite, Short Load fees do not apply.
	4<6 yds.	\$100.00	USD/Load	
	2<4yds.	\$125.00	USD/Load	
	1<2 yds.	\$150.00	USD/Load	
	Aggregates Delivery - Short Load Fee	\$100.00	USD/Load	Applies to all loads < 20 Tons 11 cy ???
	Waiting Time Charge	\$2.00	USD/min	Excess minutes on job over free unload of Ready Mix at 4 min/yard or 40 minutes max per load and Aggregates at 5 min/load
	Bucket Washout Fee	\$25.00	USD/Load	Please contact your sales representative to discuss this fee
	Color Washout fee	\$20.00	USD/Load	Will apply to all color loads to account for all costs associated with additional washout time of the Ready mix Truck upon return to the plant
	PLANT OPENING AND OFF HOURS FEE	Quoted upon Request		Will apply to SATURDAY, SUNDAY, HOLIDAY AND OFF-HOUR opening for delivery
	EFFECTIVE MARCH 1, 2013 A \$6.00 PER CUBIC YARD PREMIUM WILL BE CHARGED FOR ALL SATURDAY DELIVERIES.			
Additional Products and Services	SUBMITTALS REQUIRE A MINIMUM OF 48-HOURS FROM TIME OF REQUEST BY CUSTOMER (MAY TAKE LONGER DEPENDING ON COMPLEXITY OF SPECIFICATIONS). CUSTOMER-PROVIDED COMPLETE, FINAL APPROVED SPECIFICATIONS FOR MATERIALS REQUIRED. IF NO SPECIFICATIONS ARE PROVIDED, A SUBMITTAL WILL BE PREPARED AT CUSTOMER DIRECTION, HOWEVER IN THE EVENT THE SUBMITTAL IS REJECTED, SPECIFICATIONS WILL BE REQUIRED PRIOR TO ANY ADDITIONAL SUBMITTAL BEING PREPARED. ANY MIX REQUIRING TRIAL BATCHING WILL DELAY POUR AVAILABILITY BY A MINIMUM OF 35-DAYS AND MAY BE LONGER DEPENDING ON REQUIREMENTS AND RESULTS. ANY DELAY CAUSED BY TRIAL BATCHING IS THE SOLE LIABILITY OF BUYER. Additional retarders or accelerators available upon request			
	Chilled Water	\$1.50	USD/Cu Yd	
	Hot Water	\$1.50	USD/Cu Yd	
	Ice	\$0.50	USD/lbs	

Resource Items
Quote Group: 4.6100 Concrete - RediMix Materials Award Status: Complete Reviewed: Yes Last Reviewed: 12/17/2024 1:17:41 PM Quote Last Changed: 12/16/2024 1:22:50 PM
(1 of 1)

Quote Description: Awarded Total: Quoted Items Total: Special Conditions: Quoted Total: Last Update: Comparable Total: Seller: Buyer's Special Terms & Conditions: Seller's Special Terms & Conditions:				Plug		Detail		4.6100 Concrete - RediMix Materials - CalPortland		LG. 12/17	
				0.00		0.00		225,225.42			
				213,390.20		0.00		217,039.42			
				0.00		0.00		8,186.00			
				213,390.20		0.00		225,225.42			
								12/16/2024 1:22:50 PM			
				213,390.20		225,225.42		225,225.42			
								CalPortland			
								Utility Color Adder: \$42/cy x 68 cy = \$2,856			
								Color Washout: 10 LD x \$25/LD = \$250			
				Environmetal Surcharge: 127 LD x \$25/LD = \$3,175							
				Fuel Surcharge: 127 LD x \$15/LD = \$1,905							
				Total:\$8,186							
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total
4.6100 Concrete - RediMix Materials	4.61.002	Ready Mix Concrete 3,000 psi (Class B)	351.36 CY	185.00	65,001.60	200.80	70,552.45	☑	200.80	70,552.45	
4.6100 Concrete - RediMix Materials	4.61.004	Ready Mix Concrete 4,000 psi (Class A2)	82.88 CY	195.00	16,161.60	210.14	17,416.21	☑	210.14	17,416.21	
4.6100 Concrete - RediMix Materials	4.61.006	Ready Mix Concrete 4,500 psi (Class A1)	582.12 CY	205.00	119,334.60	213.25	124,137.54	☑	213.25	124,137.54	
4.6100 Concrete - RediMix Materials	4.61.008	Ice (40#/CY)	582.12 CY	20.00	11,642.40	20.75	12,081.51	☑	20.75	12,081.51	
4.6100 Concrete - RediMix Materials	4.61.015	Ready Mix Short Load Charge	5.00 Ld	250.00	1,250.00	207.54	1,037.72	☑	207.54	1,037.72	
Scope Item				Quote Group							



Ready-Mix

Telephone: Tucson (520) 744-4111 Rio Rico (520) 761-4998
Fax: Tucson (520) 579-5606 Rio Rico (520) 761-9966

Price Expiration:

09/30/2025

See "acceptance" clause below

Customer Name	KIEWIT INFRASTRUCTURE WEST CO	Attention	SPENCER LEAMER
Project Name	TRES RIOS ANITA MOX GMP	City	TUCSON
Project Address	7101 N CASA GRANDE HWY	C/St	AZ
Office Phone		Email	spencer.leamer@kiewit.com
Office Fax		Salesman email	cpacek@calportland.com
Date	12/10/2024	Quote Number	100034
Salesman	CONRAD PACEK	Customer #	1005234
Cell #	(520) 330-1251	Job Start	01/01/2025

Cubic Yards	Mix Design Number	Description	Price per CY	Comments
PLEASE USE MIX DESIGN NUMBER WHEN PLACING ORDERS WITH DISPATCH.				
170.00	400045	ABC SLURRY 1.0 SACK	\$166.00	
1369.00	130624	3000 PSI CLASS S ADOT/PAG	\$183.50	
	140204A	4000 PSI CLASS S W/AIR	\$192.50	
	145604A	4500 PSI CLASS S W/AIR	\$195.50	
ENVIRONMENTAL FEE: \$25.00 PER LOAD ENERGY FEE: \$15.00 PER LOAD				
Total	Fly ash and lightweight mixes subject to daily availability / All aggregates meet ASTM C 33. CalPortland shall not be held liable for consequential damages, delay damages, or other damage claims; due to the inability to fulfill concrete orders when there is an unexpected or unavoidable shortage in raw materials.			
1539				

Comments: MAP GRIDS:

READY MIX CONCRETE PRICE ESCALATORS EFFECTIVE ON 04/01/25 - ADD \$10.00 PER CY

CALPORTLAND DOES NOT PROVIDE CONTRACTOR QUALITY CONTROL.

- CalPortland warrants that the concrete as delivered to this project will meet or exceed the design strength specified on the delivery ticket when evaluated in accordance with applicable ACI and ASTM standards.
- Concrete is a natural product; therefore, Seller cannot be responsible for variations in color, surface discoloration, popouts or variations in the finished product caused by finishing techniques or job site conditions.
- CalPortland reserves the right to postpone or cancel any quotes, current jobs or accepted deliveries if unable to perform due to raw material shortages, allocations or government regulations. Prices subject to change due to drastic cost changes of the major components of concrete or surcharges.
- Concrete is batched and delivered at current ambient temperatures.
- Customer is responsible to provide safe, suitable access to the point of delivery. CalPortland accepts no responsibility for damages to the premises beyond the curb line.
- Customer shall provide and assume responsibility for an area or container for clean out of the concrete truck chutes.

Terms: Net 30 (with a valid credit application on file) Unit price does not include applicable sales taxes.
Financing: All invoices are due and payable within 30 days of the original billing date. A Finance Charge of 1.5% per month on a pro-rated portion thereof (18% Annual Percentage Rate) will be charged upon all balances not paid within 30 days or first appearance on a Statement.
General Terms & Conditions of Sale: We impose a surcharge of 2.25% on the transaction amount on all credit card products, which is not greater than our cost of processing. We do not surcharge debit cards.
Acceptance: Pricing is valid with acceptance of a purchase order within 30 days of bid award.

Terms and Conditions

- Tempered Water: \$2.00 per cubic yard
- Ice: \$0.50 per pound (Requires 3 - 5 business days notice) #2014
- Non-Chloride Accelerator: \$0.12 per ounce
- Recover Set Delay Admixture: \$0.18 per ounce
- Fiber: Micro Fiber / Macro Fiber (Structural) Priced individually
- Standard Liquid Color: \$3.35 per pound - See mix detail for per yard pricing
- Color Washouts: \$25.00 per load
- Standby Charges: \$2.00 per minute beyond 6 minutes per cubic yard
- Delivery Charges: 1.0 - 5.5 Yds = \$200.00 - One clean up load on all full load orders is included
Orders less than 6 Yds or additional clean up loads are subject to \$200.00 delivery charge
- Plant Opening Charge: Contact Sales Representative
- Split Load Charges: \$200.00 per load
- Cancellation Fees: \$10.00 per cubic yard on all orders cancelled with less than 24 hours' notice
- Saturday Fees: \$5.00 per cubic yard on all Saturday orders
- Sunday & Holidays: Price is based on Monday through Saturday production and excludes Sunday & Holidays

CalPortland guarantees ticketed mix designs of less than 5000 P.S.I. for loads of three yards or more. Mix strength for load's less than three yards is not guaranteed due to loss of mortar adhering to drum and fins. Ticketed mix designs of 5000 P.S.I. or greater require a four-yard minimum.

Due to potentially reactive aggregates in Arizona, CalPortland recommends the use of a Class F Fly Ash to mitigate Alkali Silica Reactivity (ASR). Purchaser shall assume the liability for the use of a cement only mix.



Seller Acceptance: _____
Date Received: _____
Date Acceptance: _____





Dear Valued Customer,

On behalf of all of us here at CalPortland Arizona, I would like to thank you for your continued loyalty and support. We are honored to be your #1 brand and will work diligently to remain your single source for all your concrete solutions. We appreciate your business and will always find ways to continue to provide you with the highest quality products and services our industry has to offer.

There have been several global events that have directly and indirectly impacted our industry. We are managing these variations internally through a series of increased plant efficiencies, cost reduction initiatives and other activities. Because of these uncertainties we are forced to implement a variable fuel surcharge to compensate for these changes.

Effective **January 1, 2020** the fuel surcharge will be applied to all deliveries when the average reported price of diesel exceeds \$3.30 per gallon. The surcharge will be adjusted every Monday and will remain constant for that week. You can review the average price of diesel by visiting the Department of Energy's website at <https://www.eia.gov/petroleum/gasdiesel/> - U.S. On-Highway Diesel Fuel Prices – West Coast Less California.

Fuel Surcharge will be adjusted as follows:

\$4.71/gal - \$4.90/gal = \$40.00 per load
\$4.91/gal - \$5.10/gal = \$45.00 per load
\$5.11/gal - \$5.30/gal = \$50.00 per load
\$5.31/gal - \$5.50/gal = \$55.00 per load
\$5.51/gal - \$5.70/gal = \$60.00 per load
\$5.71/gal - \$5.90/gal = \$65.00 per load
\$5.91/gal - \$6.10/gal = \$70.00 per load

Each \$0.20 / Gallon Increase = \$5.00 per load

Your local sales representative is available to answer any questions you may have.

Quote Description:				Plug	Detail		4.6105 Concrete Accessories Materials - Whitecap					
Awarded Total:				0.00	0.00		19,272.67					
Quoted Items Total:				9,402.61	0.00		19,172.67					
Special Conditions:				0.00	0.00		100.00					
Quoted Total:				9,402.61	0.00		19,272.67					
Last Update:							12/16/2024 4:10:09 PM					
Comparable Total:				9,402.61	19,272.67		19,272.67					
Seller:							Whitecap					
Buyer's Special Terms & Conditions:							Freight: \$100					
Seller's Special Terms & Conditions:												
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total
4.6105 Concrete Accessories Materials	4.61.101	Waterstop - 6"x3/8" Flat Ribbed	707.30	LF	9.50	6,719.35	8.49	6,007.86		8.49	6,007.86	
4.6105 Concrete Accessories Materials	4.61.103	Waterstop - 9"x3/8" Ribbed w/ Center Bulb	10.00	LF	16.50	165.00	45.85	458.48		45.85	458.48	
4.6105 Concrete Accessories Materials	4.61.105	Abrasive Stair Nose 4' Long	12.00	Ea	50.00	600.00	904.69	10,856.33		904.69	10,856.33	
4.6105 Concrete Accessories Materials	4.61.107	Roof Felt Sheet (30#/sy)	7,164.25	SF	0.25	1,791.06	0.25	1,800.40		0.25	1,800.40	
4.6105 Concrete Accessories Materials	4.61.120	WWF 4x4-W4xW4	127.20	SF	1.00	127.20	1.18	149.60		1.18	149.60	
Scope Item				Quote Group								

WHITE CAP[®] ON ACCOUNT



655 - WC Tucson AZ (BRD)
3143 N. Frwy Industrial Loop
Tucson, AZ, 85705
520-623-4100

QUOTE

63276043

THIS IS A QUOTE ONLY DO NOT SHIP OR
TENDER FUNDS

Sold To: 10000272165
KIEWIT CORP
PO BOX 452500
OMAHA, NE, 68145

Ship To : Tucson Sect 63-104089,10003038276
2432 S 6th St
PHOENIX, AZ, 85004
Job Site Contact:
Job Site Phone:
Map #:

12:10 PM

Ordered By: JACK HANLEY

Contact Phone: 402-8892555

Quote Number		Quote Date	Valid Until	Request Date		Sales Person
63276043		12/08/2024	12/31/2024			Leos, J
Terms		Shipping Method	Quote Name	Customer PO		Created By
N30D		0. Will Call	Tres Rios WRF Project			Galvan, R
SEQ	Part#	Description	Ord Quantity	U/M	Price	Amount
	H/M			Unit WT	COO	
10	483GS679	6"X3/8" FLAT RIBBED WATERSTOP GREENSTREAK	600	FT 1.5 LBS	\$8.45	\$5,070.00
20	898010350122	9" X 3/8" X 50' FLAT DUMBBELL PVC WATERSTOP TYPE DB4 DURAJOINT	1	RL 117 LBS	\$456.11	\$456.11
30	SP/231A-4	Abrasive Stair Nose 4' Long 3" extruded aluminum nosing THIS ITEM IS SPECIAL ORDER AND MAY BE NON-RETURNABLE	12	EA 19 LBS	\$900.00	\$10,800.00
40	SHIPPING	SHIPPING AND HANDLING	1	EA 0 LBS	\$100.00	\$100.00
50	278RF30	30LB 216SQFT ROOFING FELT	31	RL 42 LBS	\$54.59	\$1,692.29
60	434444G720	4"X4" W4 4GA 7'X20' WIRE MESH MAT	1	EA 120.4 LBS	\$148.76	\$148.76
70	199EB1410	1"X4'X10' FIBER EXPANSION BOARD SOLD/SHEET	2	EA 74 LBS	\$107.64	\$215.28

Shipped amount		\$18,482.44
Order charges		\$0.00
Tax amount		\$0.00
Lumber Tax rate/amount	1.00%	\$0.00
Quote total		\$18,482.44

Shipped Weight: 2,815.40 Customer acceptance signature: _____ Date : _____

ALL ITEMS AND QUANTITIES REQUIRE CUSTOMER REVIEW AND APPROVAL
 AVAILABILITY AND LEAD TIMES ARE SUBJECT TO CHANGE
 SPECIAL ORDERED ITEMS ARE SUBJECT TO MANUFACTURER APPROVAL PRIOR TO RETURN.
 QUOTE IS SUBJECT TO EXPIRATION AS INDICATED IN THE ABOVE 12/31/2024 DATE.

The White Cap Family of Brands includes All-Tex Waterproofing Solutions, Harmac, Kenseal, Marvel Building & Masonry Supply, MASONPRO, and Williams Equipment & Supply. Learn more at About.WhiteCap.com.

Note: Due to volatility in the steel market from the recent Section 232 decision, domestic supply constraints and active trade negotiations, pricing is subject to change on a daily basis. Please review your pricing and contact your sales associate immediately to secure products and pricing.

Quote Description:
Awarded Total:
Quoted Items Total:
Special Conditions:
Quoted Total:
Last Update:
Comparable Total:
Seller:
Buyer's Special Terms & Conditions:
Seller's Special Terms & Conditions:

Plug		Detail		4.6220 Misc Metals Materials - AJ Roberts	
	0.00		0.00		36,543.00
	20,000.00		0.00		44,838.00
	0.00		0.00		(8,295.00)
	20,000.00		0.00		36,543.00
				12/18/2024 9:45:30 AM	
	20,000.00		36,543.00		36,543.00
				AJ Roberts	
				Furnish & Install Price	
				Install Labor Credit (\$7,335)	
				MH STS Credit (\$960)	
				Total (\$8,295)	
	Unit	Total	Unit	Unit	Total
10,000.00	20,000.00	18,271.50	36,543.00	18,271.50	36,543.00

Quote Group	Code	Description	Quantity	UM
4.6220 Misc Metals Materials	4.62.004	Metal Stair	2.00	Ea
Scope Item		Quote Group		

Quote Description:				Plug	Detail	4.6225 Grating & Frames - IKG (Received 4/22/24)	4.6225 Grating & Frames - Ohio Gratings (Received 4/16/24)		
Awarded Total:				0.00	0.00	0.00	28,349.16		
Quoted Items Total:				17,640.00	0.00	12,525.40	18,349.16		
Special Conditions:				0.00	0.00	3,500.00	10,000.00		
Quoted Total:				17,640.00	0.00	16,025.40	28,349.16		
Last Update:						12/17/2024 9:13:50 AM	12/18/2024 10:55:56 AM		
Comparable Total:				17,640.00	28,349.16	17,566.18	28,349.16		
Seller:						IKG	Ohio Gratings, Inc		
Buyer's Special Terms & Conditions:						Freight \$500	Freight \$500		
Seller's Special Terms & Conditions:						ESC 20% per KSN Commodity Chart \$3,000	ESC 20% per KSN Commodity Chart \$4,500		
						Total \$3,500	Risk \$5,000		
							Total \$10,000		
Quote Group	Code	Description	Quantity UM	Unit	Total	Unit	Total	Unit	Total
4.6225 Grating & Frames	4.61.111	AL Grating 1-3/4" Deep	120.00 SF	40.00	4,800.00	59.05	7,085.91	 59.05	7,085.91
4.6225 Grating & Frames	4.61.113	AL Grating Frames	46.00 LF	25.00	1,150.00	33.50	1,540.78	 33.50	1,540.78
4.6225 Grating & Frames	4.61.118	AL Grating 1-1/2" Deep	334.00 SF	35.00	11,690.00	59.05	19,722.46	 59.05	19,722.46
Scope Item				Quote Group					

(2 of 2)

				Quote Description: 4.6225 Grating & Frames - AJ Roberts								
				Awarded Total: 0.00								
				Quoted Items Total: 61,550.00								
				Special Conditions: (7,086.00)								
				Quoted Total: 54,464.00								
				Last Update: 12/18/2024 9:50:43 AM								
				Comparable Total: 54,464.00								
				Seller: AJ Roberts								
Buyer's Special Terms & Conditions:												
Seller's Special Terms & Conditions:				Furnish & Install Price								
				Install Labor Credit (\$6,097)								
				MH STS Credit (\$989)								
				Total (\$7,086)								
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total
4.6225 Grating & Frames	4.61.111	AL Grating 1-3/4" Deep	120.00	SF	93.80	11,255.60						
4.6225 Grating & Frames	4.61.113	AL Grating Frames	46.00	LF	187.59	8,629.29						
4.6225 Grating & Frames	4.61.118	AL Grating 1-1/2" Deep	334.00	SF	103.53	34,579.11						
Scope Item			Quote Group									

Quote Description:				Plug	Detail		7.6220 Handrail Sub - AJ Roberts			
Awarded Total:				0.00	0.00		193,276.74			
Quoted Items Total:				105,525.00	0.00		193,276.74			
Special Conditions:				0.00	0.00		0.00			
Quoted Total:				105,525.00	0.00		193,276.74			
Last Update:							12/18/2024 9:26:15 AM			
Comparable Total:				105,525.00	193,276.74		193,276.74			
Seller:							AJ Roberts			
Buyer's Special Terms & Conditions:										
Seller's Special Terms & Conditions:										
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total
7.6220 Handrail Sub	7.61.008	Handrail Sub on Metal - Top Mount	190.00	LF	225.00	42,750.00	403.92	76,744.80	403.92	76,744.80
7.6220 Handrail Sub	7.61.009	Handrail Sub on Metal - Side Mount	13.00	LF	225.00	2,925.00	406.98	5,290.74	406.98	5,290.74
7.6220 Handrail Sub	7.61.010	Handrail Sub on Concrete	266.00	LF	225.00	59,850.00	418.20	111,241.20	418.20	111,241.20
Scope Item				Quote Group						

AJ ROBERTS.

F&I



F&I



F&I

	Quantity	Unit Pricing	Total Price
Handrail Surface Mounted to Metal	190 lf	\$396	\$75,240
Handrail Mounted to Concrete	266 lf	\$410	\$109,060
Handrail Side Mounted to Metal	13 lf	\$399	\$5,187
Aluminum Grating 1 ¾" deep	120 sf	\$106	\$12,720
Aluminum Grating 1 ½" deep	334 sf	\$117	\$39,078
Aluminum Frames 46 lf	46 lf	\$212	\$9,540
Metal Stairs	2	\$22,419	\$44,838



5299 Southway St. SW
Canton, OH 44706
Phone: (800) 321-9800
(330) 477-6707
Fax: (330) 477-7872

Quotation Number: 1022519

Page 1 of 3

Quote Date: April 16, 2024

Customer Reference: 42DBFBFB5

Quoted By: Joe Snyder

OHIO GRATINGS, INC.

Quoted To:

Minsang Lim
KIEWIT
3888 E Broadway Road
Phoenix AZ 85040
USA

Ship To Destination:

KIEWIT
3888 E Broadway Road
Phoenix AZ 85040
USA

Tentative Shipping 6-7 Weeks
(AFTER approval)
Need it Faster? Ask about
our **EXPRESS PROGRAM**

Project Name: Tres Rios WRF Side Stream Anita Mox Process
Project Location: Tucson, AZ 85743

Line	Qty	Description	\$ /UM
1	52.00 SF	19SGI4 2-1/4" Mill Aluminum I-Bar Swaged Grating CB: 5/16" SQ. Alloy: 6061-T6 2-1/4" x 3/16" End Trim Band Circular Cut 2-1/4" x 3/16" Circular Trim Band Plank 'E' - Clip	@ \$ 74.68 /SF
SGI-Grating			Line Subtotal: \$ 3,883.36
2	278.00 SF	19SGI4 1-3/4" Mill Aluminum I-Bar Swaged Grating CB: 5/16" SQ. Alloy: 6061-T6 1-3/4" x 3/16" End Trim Band Circular Cut 1-3/4" x 3/16" Circular Trim Band Plank 'E' - Clip	@ \$ 38.22 /SF
SGI-Grating			Line Subtotal: \$ 10,625.16
3	30.00 LF	Angle Frame Fabricated 2-1/4" Mill Aluminum Extruded Angle Frame CB: None Alloy: 6063-T6 Miter Cut and Weld Gray Powder Insulating coating	@ \$ 25.94 /LF
AA-Grating			Line Subtotal: \$ 778.20
Line Notes New 2-1/4" embed - AA.E2.225.240.A1			
4	134.00 LF	Angle Frame Fabricated 1-3/4" Mill Aluminum Extruded Angle Frame CB: None Alloy: 6063-T6 Miter Cut and Weld Gray Powder Insulating coating	@ \$ 21.68 /LF
AA-Grating			Line Subtotal: \$ 2,905.12
Line Notes New 1-3/4" embed - AA.E2.175.240.A1			
5	1.00 LT		



OHIO GRATINGS, INC.

5299 Southway St. SW
Canton, OH 44706
Phone: (800) 321-9800
(330) 477-6707
Fax: (330) 477-7872

Quotation Number: 1022519

Page 2 of 3

Quote Date: April 16, 2024

Customer Reference: 42DBFBFB5

Quoted By: Joe Snyder

Line	Qty	Description	\$ /UM
------	-----	-------------	--------

MISC-Grating

Line Subtotal: \$ 272.50

Line Notes

Other = New embed 6" straps - AA.E2.UA6.001.A1

Total Estimated Weight: 1,342 Lbs.

Total Extended Price (See Note 1): \$ 18,464.34

Bid Qualifications:

Scope of work: (3) areas of grating at the Side Stream Treatment Reactor on S103.

1. Our proposal is based on an estimate from the following: S103 Rev none (03/2024); and referenced M100, M101, M103, M105, S001, S104, S105, SD02, SD03, SD04 Rev none (03/2024); Spec 050523, 055100, 055300, 055500 / No Addenda.

2. Pricing includes:

- 19SGI4 (1-3/4") striated, mill-finished aluminum I-Bar grating, (Spec 055300 2.03.B and Dwg SD04, detail S-05-07001).
- 19SGI4 (2-1/4") striated, mill-finished aluminum I-Bar grating, (Spec 055300 2.03.B and Dwg SD04, detail S-05-07001).
- Trim welded banding for cuts, openings, projections, and panel ends, (Spec 055300 2.03.A and Dwg SD04, detail S-05-07001).
- Plank E-Clips for grating installation, (Spec 055300 2.03.B and Dwg SD04: S-05-0706).
- Aluminum material to be 6061-T6 Alloy, (Spec 055100 2.03.A and Dwg S001, M-7).
- Per NAAMM standards, all rectangular cutouts are made to the next bearing bar beyond the penetration with a clearance not to exceed bearing bar spacing.
- Offering: OGI standard extruded aluminum embed angle with a gray powder-coated isolation coating, as shown in Spec 055300 1.1.A.2. The embed anchors are a standard 5/32" thick x 1" wide x 6" long with a 1" return, field attachable, and are shipped loose. Standard anchor spacing figured at 18" O.C.
- All grating pieces are made to the closest bearing bar dimension less than the dimension provided.
- The grating is designed for 100 PSF uniform loading with a 1/4" or less deflection.
- Standard manufacturer's Certificate of Compliance (if required) for the grating (Spec 051000 1.04.A). Does not include traceable MTR's.

3. Pricing excludes:

- Any grating confinement studs, (SD04: S-05-0706). By others.
- Any aluminum plank grating, (Dwg SD04: S-05-0706). None shown as required.
- Any access doors/hatches, (Spec 055300 2.05). By others.
- Any heavy-duty H20 rated galvanized carbon steel grating, (Spec 055300 2.03.D.) None shown as required.
- Any Fall-Through Prevention grating, (Spec 055300 2.06). By others.
- Any cast-aluminum abrasive nosing, (Spec 055500 2.03 and Dwg SD02, S-05-0303).
- Any toe-plate around the perimeter of platforms or attached to handrail posts.
- Any notching or banding for handrail posts.
- Any 6061-T1 material for crossbars, as shown in Spec. Offering: OGI standard 6063-T1.
- Any opening less than 6" in Diameter.
- Any special surface prep or finish.
- Any checkered floor plate, (Spec 055300 2.04 and Dwg SD04: S-05-0801) By others if required.



OHIO GRATINGS, INC.

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Phone: (800) 321-9800
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Quotation Number: 1022519

Page 3 of 3

Quote Date: April 16, 2024

Customer Reference: 42DBFBFB5

Quoted By: Joe Snyder

Line	Qty	Description	\$ /UM
m.		Any circular or radial embed angle. By others.	
n.		Any Type 316 stainless steel fasteners.	
o.		Any dielectric or dis-similar material isolation and protection, (Spec 051000 2.05.A and Dwg S001, M-9).	
p.		Any clear lacquer or bituminous paint.	
q.		Any vinyl or neoprene gasket material, (Spec 055300 2.04.L).	
r.		Any anti-seize lubricant, (Spec 050523 2.09.A). By others.	
s.		Any fasteners to clamp adjacent grating sections together.	
t.		Any FRP material.	
u.		Any Seismic, Snow, or Wind requirements, (Dwg S001).	
v.		Any burr removal or easing of edges.	

Any item not specifically shown to be included.

Notes and Conditions:

- 1) Invoicing will be based on actual quantities shipped and unit prices quoted. Prices **DO NOT INCLUDE** taxes, duty, brokerage fees, erection, field measurements, P.E. Stamp, nor any items not listed on the quote.
- 2) Grating products are manufactured/fabricated in accordance with NAAMM MBG531-17 and MBG532-19 manuals.
 - * Bearing Bars to be Aluminum Alloy 6061-T6.
 - * Plank to be Aluminum Alloy 6063-T6.
- 3) Prices quoted are in US currency and are firm on release(s) for fabrication and shipment(s) through **MAY '24**. After which time pricing is subject to material escalation. Payment terms are **PENDING APPROVA** with NO RETENTION.
- 4) Prices quoted are FOB Canton, OH, with **FREIGHT ALLOWED** to SHIP TO noted above and based on 2 shipment(s).
- 5) Drawings are included in the prices quoted and are scheduled to be complete **5-7 DAYS** after receipt of order and complete set of construction drawings of the current issue.
- 6) Material shipment will be **6-7 WEEKS** after receipt of approved drawings if required.
- 7) The prices and delivery schedule in the quotation are based on the workload and conditions existing at the present time. In the event of a delay in placing an order beyond April 23, 2024, we will be glad to confirm or re-quote.
 - ** Ohio Gratings accepts all major credit cards. All credit card purchases will incur a 3% processing fee.
 - ** Current market conditions require job release to manufacturing 15 days from date of order. **
 - ** Drawings requiring more than 2 revisions (including as-built) are subject to a charge of \$125/hr (one hour minimum) per revision.
 - ** Ohio Gratings, Inc. is a material supplier and not bound to the prime contract.
 - ** Freight charges are based on freight rates at the time of quotation. All freight charges are subject to change at the time of shipment based on the freight rates at that time. A fuel surcharge may be added at the time of invoice based on freight rates at the time of shipment.

Please enter my purchase order #: _____ Dated: _____ Signature: _____
per the above quotation.



Forging Partnerships™

QUOTATION

IKG
Houston
11424 Mesa Dr Ste B
Houston, TX, 77078-1212
UNITED STATES
800-324-8417 www.ikg.com
Project :
Job Reference : Tres Rios WRF Sidestream Anitamox
Process (3ANMOX) | 24-0422

Quote No: QUO-47400-J9V9S8
Quote Date: 4/22/2024
Expiration Date: 5/22/2024
Salesperson:
Lump/Unit: Loaded Unit
Billing will reflect actual quantity shipped

Invoice To:

Spencer Leamer
KIEWIT INFRASTRUCTURE Co.
PO Box 452500
Omaha NE 68145-2500
United States

Deliver To:

Kiewit: Tres Rios WRF Tucson
General Delivery
7101 N. Casa Grande Hwy
Tucson AZ 85743
United States.

Prepared By: Maggie Leyendecker mleyendecker@ikg.com 775-446-5513

Delivery Terms:	PPD & Add FOB Ship Pnt	Shipment Expiration Date:	8/30/2024
Shipping Method:	LTL	Payment Terms:	Net 30 days
Est. No. of Shipments:	1	Shipping Notes:	Split or added shipments will result in additional freight charges.
Approval Drawing Lead Time:	7-10 working days	Shipping Lead Time:	TBD at time of release

No.	Item/Description	QTY	U/M	Unit Price	Net Amount	CUR
1	USHOUS:263240 IB9 FAB PALM IB9 (1-3/4" X 1/4") I BAR SMOOTH SWAGED LOCKED ALUMINUM GRATING BEARING BARS ON 1 3/16" CC & CROSS BARS ON 4" CC MILL FINISH 6061-T6 885#	281.00	SF	28.95	\$8,134.95	USD
2	USHOUS:263260 IB8 FAB PALM IB8 (1 1/2" X 1/4") I BAR SMOOTH SWAGED LOCKED ALUMINUM GRATING BEARING BARS ON 1 3/16" CC & CROSS BARS ON 4" CC MILL FINISH 6061-T6 150#	54.00	SF	27.10	\$1,463.40	USD



Forging Partnerships™

QUOTATION

3	USHOUS:FREIGHT-OUTBOUND FREIGHT COST - (C/O) Freight Charges will be FCA IKG prepay and add at time of shipment. Estimated number of loads is ONE Freight estimate is provided for budgetary purposes only and is not guaranteed. Freight will be billed in the amount of cost at time of shipment	1.00	lot	315.00	\$315.00	USD
TAXES WILL NOT BE ASSESSED IF THE APPROPRIATE "SHIP-TO" STATE'S TAX CERTIFICATE IS PROVIDED.				Sale Amount:	\$9,913.35	USD
				Sales Tax:	\$852.56	USD
IKG WILL INVOICE FOR UNIT PRICES SHOWN. ALL SALES AND USE TAXES ARE APPROXIMATE UNLESS SALES CERTIFICATES ARE PROVIDED. PLEASE SEE ATTACHED STANDARD TERMS AND CONDITIONS.				Total Amount:	\$10,765.91	USD

Customer contact Spencer Leamer
name:

Approval drawing 7-10 working days
lead time:

Shipping lead time: TBD at time of release

Scope of Work

This quote is based on the following information provided to IKG

Drawings: See drawing list

Specifications: 055300 Mar/24

Standards: See drawing list

Material, Style, Size

& Quantity Based see drawing list
On:

Note: If new/revised drawings/standards/specifications are supplied to IKG after the date of this quote, they will be reviewed for impact to grating and extras. If impact to quote does occur, a revised quote will be issued for customer review and approval prior to order acceptance. Engineering is based on detailing from final approved drawings and any revisions requiring the re-drawing of grating will be charged at the rate of \$150.00/hour.

Qualification Notes



Forging Partnerships™

QUOTATION

- 1.) QUALIFY GRATING IS QUOTED WITH SS SADDLE CLIPS & SS WELD STUDS PER DRAWINGS IN LIEU OF SPECIFICATION 055300 CALLED AS "NO FASTENERS SHALL BE PERMITTED TO PROJECT ABOVE THE WALKING SURFACE".
- 2.) GRATING IS QUOTED AS ALL ENDS BANDED PER SPECIFICATIONS.
- 3.) QUALIFY ALL BANDING IS QUOTED AS TRIM WELDED AT EVERY 4TH BEARING BAR ON ONE SIDE.
- 4.) MTR'S REQUIRED.
- 5.) DOMESTIC STEEL ONLY PER SPECIFICATIONS. DOMESTIC STEEL WILL BE PROVIDED FOR GRATING ONLY AND DOES NOT INCLUDE FASTENERS OR HARDWARE. IF DOMESTIC MATERIAL IS REQUIRED FOR FASTENERS & HARDWARE ADDITIONAL CHARGES MAY APPLY.
- 6.) GRATING DEPTH IS QUOTED BASED ON THE SPANS ON THE DRAWINGS AND THE SIZES INDICATED IN SECTION S-05-0701 ON DRAWING SD04. PLEASE NOTE THE 1 13/4" GRATING IS OVERSPANNED PER THE LOADING CRITERIA LISTED IN SPEC SECTION 055300, IF THIS LOADING CRITERIA IS TO APPLY THEN ADDITIONAL SUPPORTS WILL BE REQUIRED NOT BY IKG.

Fabrication extras

The following fabrication extras are included in the grating unit price:

Straight Trim Banding at all Ends
Stainless Steel B-Clips with Stainless Tek Screws

Escalation Notes

Aluminum Escalation

Unit prices are firm for order acceptance by 5/22/2024 and firm for shipment by 8/30/2024. For shipments made afterwards the unit prices will be escalated on the basis of material costs using the following published Index:

ALUMINUM - LME Cash Price + Midwest Premium cents/lb:

The basis date is .(BASIS ALUMINUM = 138.64 cents/lb).To establish invoice prices for shipments beyond the firm date, IKG will escalate by calculating the increase of the published Index of the Friday prior to shipment from the basis date Index, using the following unit price formula:

"Most current published index, less the index value at basis date, multiplied by LB/SF of grating as published by IKG."

IKG Terms & Conditions apply to this quote & any resulting order. A copy can be found at www.ikg.com/customer-forms
No other Terms & Conditions have been accepted by IKG unless noted. IKG USA, LLC is not bound to nor agrees to any other terms & conditions of sale including those listed in the prime contract.
Quoted lead times are subject to raw material availability.

Customer Signature: _____ Date: _____

[illegible]

			Quote Description:		Plug	Detail		4.6235 FRP Material - AIMS				
			Awarded Total:		0.00	0.00		23,325.00				
			Quoted Items Total:		16,270.00	0.00		18,225.00				
			Special Conditions:		0.00	0.00		5,100.00				
			Quoted Total:		16,270.00	0.00		23,325.00				
			Last Update:					12/16/2024 1:36:07 PM				
			Comparable Total:		16,270.00	23,325.00		23,325.00				
			Seller:					AIMS Composites				
			Buyer's Special Terms & Conditions:					Anchor Bolts (8 ea): \$100				
			Seller's Special Terms & Conditions:					Freight from Houston, TX to Jobsite: \$5,000				
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total	Unit	Total
4.6235 FRP Material	4.62.006	FRP Ship Ladder	1.00	Ea	10,000.00	10,000.00	19,095.14	19,095.14	 19,095.14	19,095.14		
4.6235 FRP Material	4.62.010	FRP Grating 1-1/2" Deep	27.00	SF	100.00	2,700.00	67.83	1,831.44	 67.83	1,831.44		
4.6235 FRP Material	4.62.011	FRP Grating 1" Deep	9.00	SF	100.00	900.00	63.99	575.93	 63.99	575.93		
4.6235 FRP Material	4.62.012	FRP Grating Frame	89.00	LF	30.00	2,670.00	20.48	1,822.49	 20.48	1,822.49		
Scope Item			Quote Group									



1617 Peach Leaf St., Houston, TX 77039 • P 281-590-3240 • F 281-590-3773
 • E-Mail: AIMSSales@aimscomposites.com • Website: <https://aimscomposites.com/>

QUOTE CORRESPONDENCE

Date of Quote:	12/6/2024	Reference:	Tres Rios WRF
From:	Flint Self	To:	Jack Hanley
AIMS Quote No.:	2412007	Company:	Kiewit
Quote is Valid for:	30 days	E-mailed to:	General Contractor
Total No. Pages:	3	RFQ No.:	Email

Price quoted below is: ☐ Estimate only; ☒ Firm; ☐ T&M; ☐ Budget.
 Price quoted is EXW AIMS. Freight Extra. Additional drawings are extra.

Item No.	Description:	Quantity	Unit Price	Extended Price
	This quote is based on the following:			
1.	1.5" thick, 1.5" Square Mesh Molded Grating. Resin is POLYESTER. Color is TBD. Surface is MENISCUS. Price is based on 27 SF of grating.	27	\$53.00	\$1,431.00
2.	1" thick, 1.5" Square Mesh Molded Grating. Resin is POLYESTER. Color is TBD. Surface is MENISCUS. Price is based on 9 SF of grating.	9	\$50.00	\$450.00
3.	89 LF 1 1/2" x 1 1/2" x 1/4" FRP Embedment angle supports above mentioned grating areas at curb. Resin is VINYL ESTER. Color is DARK GRAY	89	\$16.00	\$1,424.00
4.	(1) 4'-9" Tall plus 3' - 6" Tall Walk Thru FRP Crossover Ladder. Resin is POLYESTER. Color is YELLOW. Each Crossover Ladder consists of the following components: (2) 4'-9" tall Ships Ladders plus 3' - 6" Walk-Thru. - Ladder rails are made from C6 Channel. - Ladder Treads are made from 1" thick, 1.5" Square Mesh Molded Grating. Resin is POLYESTER. Color is TBD. Surface is MENISCUS - Both Ship Ladders are connected with FRP channel above the wall. 2'-0" x 2'-4" piece of 1" thick, 1.5" Square Mesh Molded Grating. Resin is POLYESTER. Color is YELLOW. Surface is MENISCUS. - Ladder Walk-Thru are connected at the top at 90° with 2" x 1/4" Square Tube Handrail.	1	\$14,920.00	\$14,920.00
Payment	Payment Terms: TBD, see "METHOD OF PAYMENT"			
Delivery	Delivery: Once purchase order is received, please allow 2-3 weeks for first iteration of drawings to be ready for approval. Once full approval is given for fabrication, please allow 10-12 weeks for readiness to ship.			
Total Price, EXW AIMS:				\$18,225.00*
Estimated Weight (lbs):				900 lbs
Estimated Freight to Zip Code XXXXX:				TBD*

*Due to the ongoing fluid nature of the United States imposition of tariffs on imported goods, your attention is directed to sections 5 and 7 of the AIMS Terms and conditions which govern tariffs being paid by the Buyer as applicable. Any tariffs applicable as of the date of this bid have been included in the price; however, any tariffs which become effective after the date of this bid will be added to this price.

Purchase Order acceptance is subject to the Notes, AIMS Purchase Order Terms & Conditions and PO Order Acceptance Form

Please direct questions to Flint Self - Estimating Manager

AIMS Composites, LLC appreciates this opportunity to submit this quotation.
 If you have any questions, please feel free to contact our office at 281-590-3240.

APP 8 EA of Anchor Bolt (\$100)
 FREIGHT 15,000

NOTES:

FREIGHT OPTIONS:

Option One: AIMS will set up the freight and will bill at (AIMS Cost, including taxes and duties, plus AIMS markup).

Option Two: "Will Call" the order and make all freight arrangements for direct billing to your account. AIMS will notify you when order is ready to be picked up with all the details of weight and sizes. The Client will need to notify AIMS who the freight care is and when they are to arrive at AIMS.

Note: Freight option that is desired will need to be noted on the Purchase Order. This freight estimate is for all material to ship at one time, on one truck. If project is shipped after quote expiration or the freight is split into multiple shipments, a new freight estimate will be given. Material dunnage consists of typical pine lumber. Special dunnage is not included in freight estimates unless requested. If material other than pine is required for handling purposes, it must be notated on Purchase Order and a new freight estimate will be given.

METHOD OF PAYMENT:

Payment Terms -- To Be Determined. Payment terms will be determined after credit is reviewed.

Purchase Orders shall be addressed to the following:

AIMS Composites, LLC

dba AIMS Composites

1617 Peach Leaf Street

Houston, Texas 77039

-Credit Card Payments to have additions 3.5% added to total.

Payment Milestones -- with Drawings

- 35% at Issuance of Purchase Order (Due upon Receipt)
- 30% at submitted Rev A drawings (Due upon Receipt)
- 35% at material ready for shipment (NET 30)

LEAD-TIME:

Lead time is based on current inventory and work load, and is subject to change. Material will not be ordered until receipt of signed engineer approved drawings and they have been reviewed and released for fabrication. Any delays in responding to RFI's in a timely manner may alter and extend lead time of drafting and fabrication. Should you need acceleration of delivery, please let us know, and we will endeavor to satisfy your request.

DELIVERY:

Once a Purchase Order has been placed, AIMS shall require client drawings to complete grating and hardware layout drawings. Please note the following project timetable:

- 2-3 weeks after receipt of signed and approved Purchase Order and all necessary information for the first iteration of drawings. Drafting time may decrease if AutoCAD drawings are provided.
- Approximately 10-12 weeks after receiving signed engineer approved drawings and the drawings are reviewed and released for fabrication for order to be ready to ship. Lead times on custom orders may vary.

PRICING:

Pricing is based on all items being purchased at once. Any changes in quantities, freight requirements, partial orders, or significant changes in quoted drawings will result in pricing adjustments.

OTHER CONDITIONS:

- This quote is valid for 30 days after the date quoted.
- Once Purchase Order is placed, price is valid for 1 year. After 1 year, AIMS reserves the right to re-evaluate the price and possibly submit a change order if the price increases.
- Payment obligations must be met in full if Terms of Payment are other than Net 30 before order is shipped in full.
- Payment made by credit card may not exceed \$20,000.00 per project.
- It is preferred that customers provide field dimensions prior to commencement of approval drawings by AIMS.
- Due to the variations in concrete construction, some field trimming may be required by contractor.
- Cut grating pieces may have open stub bars (fingers).
- This quote covers the initial drafting (Rev. A), one revision (Rev. B), and the approved for construction (Rev. 0) drawings. Additional time and material may be invoiced for any revisions beyond these, as well as any major revisions to the project scope.

INCLUSIONS:

- Submittals (Approval & Production Drafting "digital only")
- Cutting & Sealing
- Palletizing of Material per above mentioned dimensions

EXCLUSIONS:

This quote is exclusive of the following:

- PE Stamp
- Anchor Bolts
- Banding for Grating Edges
- Any materials not listed in AIMS' Scope of Work, listed above.

Quote is subject to: AIMS Purchase Order Terms and Conditions, 1 Page

AIMS' PURCHASE ORDER TERMS AND CONDITIONS

1. **AGREEMENT.** Buyer shall purchase and Asset Integrity Management Solutions, LLC dba AIMS Composites (hereafter "AIMS") shall sell and deliver the goods and provide the services described in the Purchase Order and in any specifications or drawings referred to therein. The general terms and conditions hereof shall not be varied or annulled unless expressly agreed to by both parties in writing.

2. **ORDERS.** Buyer shall submit its request for goods and services in writing to AIMS (hereafter "Purchase Order"). Any acceptance or acknowledgement of the Purchase Order by AIMS shall be expressly limited to the terms and conditions contained herein. AIMS shall acknowledge receipt and acceptance of the Purchase Order by promptly returning an executed copy, provided always that receipt of the executed Purchase Order constitutes acceptance by Buyer of the terms and conditions hereof. Any proposal for additional or different terms or any attempt by Buyer to vary in any degree any of the terms of this Purchase Order by Buyer are hereby objected to and rejected, and the Purchase Order shall be deemed accepted by AIMS without said additional or different terms. Where drawing, plan or specification reviews by the Buyer are required for any AIMS submitted drawing, plan or specification (including data books), the Buyer shall have seven (7) days to review and approve any AIMS submittal. Any drawing, plan or specification not revised, modified or changed will be deemed accepted by the Buyer.

3. **CANCELLATIONS.** By issuance of the Purchase Order, Buyer hereby accepts and agrees to pay any and all cancellation charges should the Purchase Order be cancelled at any time. All cancellations must be in writing and shall not take effect until accepted and acknowledged by AIMS. Cancellation charges shall be 20% of the quoted FOB price for all unmodified and standard materials, plus 100% of the quoted FOB price for all modified or non-standard materials, plus 100% of the quoted FOB price for any engineering, design, or fabrication-related labor costs up to the time written cancellation is received by AIMS, plus any applicable freight charges at AIMS' cost of any supplier return or re-stocking charges divided by 85%.

4. **PAYMENT.** Payment of all invoices rendered by AIMS to the Buyer is to be paid within 30 days of invoice date or prior to shipment, whichever is sooner, unless otherwise expressly agreed in writing with AIMS' acceptance of specific alternate terms. All overseas and out-of-country Purchase Orders shall be paid in full by wire transfer prior to release to Buyer's freight forwarder. A finance charge of 1.25% will be assessed on unpaid or past due invoices that have aged beyond 30 days from invoice date, and thereafter any remaining balance will be subject to an interest rate charge of 1.25% per month on any unpaid balance until that balance is paid in full. AIMS reserves the right to issue progressive invoices for drafting, engineering, materials-of-construction, milestones and/or freight, and such invoices shall be paid within 30 days of the invoice date. Unless otherwise agreed, AIMS shall invoice Buyer when goods are ready to ship. Delay of shipment at Buyer's request shall not delay invoicing by AIMS or payment by Buyer. If shipment is delayed at Buyer's request, AIMS shall invoice Buyer for storage of goods. Storage of goods shall be invoiced at AIMS' cost increased by 20% or the reasonable equivalent if stored by AIMS onsite. AIMS shall retain a purchase money security interest in all goods described in this Purchase Order to secure payment by Buyer of the sums due thereunder. Buyer grants to AIMS a power of attorney to file any UCC security interest filing that AIMS deems necessary related to any Purchase Order. In the event that Buyer shall default in its obligations to provide payment for a Purchase Order, Buyer shall be liable for AIMS' costs of collection, including reasonable attorney's fees and court costs. Any payment that exceeds \$10,000 must be paid by electronic transfer.

5. **PRICING.** Unless otherwise specifically agreed in writing with AIMS' acceptance of specific alternate terms, any price quotation made by AIMS shall be valid for 60 days from the date shown on the quotation, unless otherwise stated. All Purchase Orders are subject to final acceptance by AIMS, which in its sole discretion may determine whether such Purchase Order complies with AIMS' quotation. AIMS reserves the right to correct errors and omissions in quoted prices and specifications. Any changes made to a Purchase Order after release for fabrication may be subject to additional charges. Quoted pricing does not include any special tests requested in addition to AIMS' standard testing procedures, and specifically does not include conducting tests in the presence of Buyer, at Buyer's facility, or the visual inspection by Buyer at AIMS' facility. Buyer must make additional arrangement for any such special tests and must assume additional charges therefor. Quoted pricing includes one set of original engineering drawings; additional drawings are available and shall be invoiced at standard time and materials rates. Prices are subject to increase: (i) without notice at any time prior to AIMS' acceptance of the Purchase Order; (ii) on Purchase Orders wherein the Buyer has provided incomplete or inaccurate specifications; (iii) on Purchase Orders wherein the Buyer has changed the specifications or terms after acceptance of the Purchase Order by AIMS; and (iv) for the inclusion of any and all taxes that are applicable to and arise from the sale, delivery or use of AIMS' products or services and for the collection of which AIMS is or may be responsible to any governmental authority, unless a tax exemption certificate is furnished to AIMS.

6. **FREIGHT.** All freight shall be the responsibility of Buyer pursuant to EXW Incoterms 2000, unless otherwise specifically agreed to in writing by AIMS, and Buyer shall provide complete and specific "ship to" information with the Purchase Order. If Buyer provides reasonable written notice to AIMS, Buyer may "will call" the Purchase Order and arrange for freight by direct-billing to their account. All freight included in quoted pricing shall be based upon one shipment. All freight shall be invoiced at AIMS' cost plus mark-up, without regard to the number of shipments or carriers used. Additional charges will apply to (i) all partial shipments at AIMS' cost plus mark-up; and (ii) all shipments outside AIMS' regular shipment hours at prevailing time & materials rates. AIMS reserves the right to ship upon project specific or milestone completion. Storage fees shall apply to any and all shipments held or stored at AIMS without written authorization or in excess of 10 days after completion at the quoted rates. All offshore transportation shall be the responsibility of Buyer, including without limitation loading and unloading.

a. In connection with shipping materials from AIMS Composites, Inc., the customer or shipper, including their agents, employees, successors and assigns, and their respective heirs, personal representatives, affiliates, successors and assigns, and any and all persons, firms or corporations liable or who might be claimed to be liable, does hereby release and forever discharge AIMS Composites, Inc. and its contractors, officers, agents or employees from any and all claims, demands, damages, actions, causes of action or suits of any kind or nature whatsoever, regarding the loading or transportation of the shipment regardless of how or who loads the shipment into the vehicle. The shipper has complete authority and ability to inspect, observe and instruct the loading.

7. **TAXES.** Applicable taxes, duties and fees, if any, are not included in quoted pricing or Purchase Orders. If the Purchase Order is tax exempt, Buyer must submit a tax exemption certificate to AIMS prior to shipment, or the prevailing state and local taxes and fees shall apply to the Purchase Order. All sales, use, excise, value-added, goods and services or similar taxes applicable to this Purchase Order shall be paid by Buyer, except as specifically provided otherwise and agreed to in writing by AIMS.

8. **WARRANTY.** AIMS warrants that the goods sold hereunder are manufactured to the specifications stated by Buyer in the Purchase Order and that such goods are built in a good and workmanlike manner. AIMS warrants that all goods for which AIMS is the designer shall be free from defects in material and workmanship arising from faulty design, materials or workmanship for 1 year. This warranty excludes any damage resulting from transit, accident, misuse or incorrect installation or application of the goods. Any alterations to the goods shall void all warranties. ALL OTHER WARRANTIES BOTH EXPRESS AND IMPLIED ARE HEREBY DISCLAIMED. EXCEPT FOR THIS LIMITED WARRANTY, AIMS HAS MADE NO AFFIRMATION OR PROMISE RELATING TO THE GOODS BEING SOLD THAT HAS BECOME THE BASIS OF ANY BARGAIN OR HAS CREATED AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. In the event that any of AIMS' goods are proven to AIMS' satisfaction to have been defective at the time of sale, AIMS' liability for breach of the warranties set forth above shall be expressly limited to replacement or repair of the goods. AIMS shall not be liable for incidental or consequential damages or for injury to Buyer's personnel or property caused by a breach of warranty.

9. **DELIVERY.** Estimated shipment dates are provided by AIMS to the Buyer in good faith. Such times commence from date of receipt of the full and final specifications and information associated with a Purchase Order. AIMS does not assume any liability for delay or loss arising from any failure to meet estimated shipment dates. Title to the goods and risk of loss for liability purposes covered hereby shall vest in the Buyer upon delivery thereof by AIMS to the freight carrier. Buyer shall notify AIMS of any discrepancy between the goods delivered and the Purchase Order within three (3) days of delivery. Buyer shall also notify AIMS of any quality issues with the product delivered within three (3) days of delivery. Buyer shall accept all liability for any discrepancies or quality issues discovered after such time. Insurance is available at Buyer's expense for all shipments, upon reasonable written notice to AIMS.

10. **INDEMNIFICATION.** Buyer shall release, indemnify, save, defend and hold AIMS harmless from any and all claims, liabilities, costs, damages and expenses and causes of action for injury, death or property damage that arise out of or are related to or are connected with any goods delivered and/or services performed by AIMS under this Purchase Order. IT IS THE INTENT OF THE PARTIES THAT THE INDEMNITY AND RELEASE PROVIDED FOR HEREIN SHALL BE BROADLY CONSTRUED AND SHALL APPLY REGARDLESS OF AIMS' STRICT OR STATUTORY LIABILITY OR ACTUAL OR ALLEGED NEGLIGENCE, INCLUDING WITHOUT LIMITATION AIMS' OWN NEGLIGENCE THAT IS A CONCURRING OR CONTRIBUTING CAUSE OF THE INJURY, DEATH OR DAMAGE. SUCH INDEMNITY AND RELEASE SHALL NOT APPLY TO ANY CLAIM, LIABILITY OR CAUSE OF ACTION RESULTING FROM AIMS' SOLE NEGLIGENCE.

11. **CONFIDENTIALITY.** Buyer agrees that: (i) all pricing provided in the Purchase Order and related documents are confidential and shall not be disclosed to third parties without prior written consent from AIMS; (ii) all information, drawings, and documents relating to the Purchase Order, AIMS' operations, processes, materials or equipment shall be considered confidential information and shall not be disclosed by Buyer to any third party without prior written consent of AIMS; (iii) Buyer shall not attempt to copy, reverse engineer or decompile any of the goods hereunder; and (iv) Buyer shall take reasonable precautions to maintain the confidentiality of AIMS' information, pricing, drawings, processes and documents. This Purchase Order is confidential between AIMS and Buyer and it is agreed that none of the details connected with it shall be published or disclosed to any third party without AIMS' prior written consent.

12. **GENERAL.** AIMS shall be excused from performance hereunder for any period and to the extent that it is prevented from completing a Purchase Order pursuant hereto, in whole or in part, as a result of delays caused by Buyer or an act of God, or other cause beyond its reasonable control and that it could not have prevented by reasonable precautions, including fire, strike, slowdown or labor interruption, civil commotion, acts of terrorism, embargo, delay or failure of suppliers, contractors or common carriers, breakdown of equipment, explosion, accident, governmental act or regulation, failures or fluctuations in electrical power, heat light, air conditioning or telecommunications support, and such non-performance shall not be a default hereunder or grounds for termination hereof. A failure of either party to exercise any right herein shall not be deemed a waiver of any right hereunder. If any provision hereunder shall be prohibited or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition without invalidating the remainder of this Agreement. This Agreement constitutes the entire agreement between the parties hereto with respect to the subject matter hereof and there are no representations, understandings, or agreements relative hereto that are not fully expressed herein. The validity, performance and all matters relating to the interpretation and effect of this Agreement shall be governed by the laws of the State of Texas, without regard to its conflict of laws principles. The Federal and State courts located in Harris County, Texas shall have exclusive jurisdiction to adjudicate any disputes arising out of or in connection with this Agreement and each party consents to the personal jurisdiction of such courts. In an action to enforce rights under this Agreement, the prevailing party shall be entitled to recover documented costs and reasonable attorney's fees from the other party.

Quote Description:			Plug		Detail		5.5000 Caustic Tank - Harrington		5.5000 Caustic Tank - Core Rosion	
Awarded Total:			0.00		0.00		49,611.19		0.00	
Quoted Items Total:			90,000.00		0.00		36,811.19		57,024.00	
Special Conditions:			0.00		0.00		12,800.00		7,800.00	
Quoted Total:			90,000.00		0.00		49,611.19		64,824.00	
Last Update:							12/18/2024 9:17:11 AM		12/17/2024 5:25:54 PM	
Comparable Total:			90,000.00		49,611.19		49,611.19		64,824.00	
Seller:							Harrington		Core Rosion	
Buyer's Special Terms & Conditions:							Plug Frieght \$7,800		Freight \$7,800	
Seller's Special Terms & Conditions:							Anchor Bolt Eng \$2,500			
							SS Anchors \$2,500			
Quote Group	Code	Description	Quantity	UM	Unit	Total	Unit	Total	Unit	Total
5.5000 Caustic Tank	5.1600	Caustic tank	1.00	Each	90,000.00	90,000.00	49,611.19	49,611.19	64,824.00	64,824.00
Scope Item			Quote Group							

Harrington Industrial Plastics LLC

**Harrington Industrial Plastics
Suite 140-160
3055 East Rose Garden Lane
Phoenix AZ 85050**

Phone: 602-313-3429

Fax: 602-252-6083

Attention: JACK HANLEY

Company: KIEWIT/HAYDON A JOINT VENTURE

To: MBURCIAGA@HIPCOCOM

From: Miguel Burciaga

Subject: QUOTE 11505223

Memo:

Harrington Industrial Plastics
3055 East Rose Garden Lane
Phoenix AZ 85050
602-313-3429
602-252-6083 Fax

Quotation# 11505223
Written: MZB
Quote Date 12/10/24
Expire Date 12/24/24
Page 1 OF 3

Quotation

044398
KIEWIT/HAYDON A JOINT VENTURE

Ship To:
KIEWIT/HAYDON A JOINT VENTURE

3888 EAST BROADWAY ROAD
PHOENIX, AZ 85040

3888 EAST BROADWAY ROAD
PHOENIX, AZ 85040

Job:

RFQ# TRES RIOS CHEM TANK

Contact: JACK HANLEY
Phone#: 602-437-7878
Fax: 480-813-5641

Ship Via: BEST WAY POSSIBLE
FOB / Delivery ARO: SHIPPING POINT
Frt-Terms: CHARGE INBOUND ONLY

Product/Description	Quantity	Price	U/M	Extension
5360100N42 8750 GAL TANK VERT NAT XLPE 124"x146" 1.9SG 18"MNWY	1	20989.20	EA	20,989.20
WRAP-5 WRAP PROTECTIVE PLAST 4000-9500 GAL (120" DIA)	1	210.70	EA	210.70
365 8"x5" NAMEPLATE 304SS 5 LINES	1	246.40	EA	246.40
*4201 TANKS & ACC SNYDER WELDED-ON MOUNTING BLOCK FOR NAME PLATE	1	307.30	EA	307.30
34701495 SEISMIC SYSTEM RESTRAINT FOR 8750VSTx142 HDLPE 1.9SG TANK	1	3188.90	EA	3,188.90
032738-43285N LADDER BOX LOWER SLEEVE P/N CP-00-004460 CO-POLY PP	1	4531.80	EA	4,531.80
34700470 LADDER ATTACHMENT POINT STL FOR CCS & VST 2000 GAL & ABOVE	1	410.80	EA	410.80
FILL				
34200016 3" FITTING BKHD SXT PVC EPDM GSKT	1	124.15	EA	124.15
OUTLET-METERING PUMP SUCTION				

6 LADDER & ANCHOR BOLTS INCLUDED? (ANCHORS NOT INCLUDED)
d ENGR 12/20/24 (BY HANLEY)
d MANUFACTURER FIELD SERVICE (NO ADDED COST)
ITP/12/24/

Continued

Harrington Industrial Plastics
 3055 East Rose Garden Lane
 Phoenix AZ 85050
 602-313-3429
 602-252-6083 Fax

Quotation# 11505223
 Written: MZB
 Quote Date 12/10/24
 Expire Date 12/24/24
 Page 2 OF 3

Product/Description	Quantity	Price	U/M	Extension
34700435 1-1/2" FITTING DBL FLG S PVC EPDM GSKT ENCAP 316SS BOLTS	1	217.75	EA	217.75
OVERFLOW				
34200055 4" FITTING BKHD SxT PVC EPDM GSKT	1	231.40	EA	231.40
DRAIN				
34700221 2" FITTING DBL FLG S PVC EPDM GSKT ENCAP 316SS BOLTS	1	222.30	EA	222.30
VENT				
34701395 6" U-VENT PVC SCH40 W/BKHD FTG T EPDM	1	976.30	EA	976.30
EMERGENCY VENT				
1035000N97803 18" VENT ASSY MUSHROOM W/MESH SCREEN NO FITTING REQUIRED	1	306.15	EA	306.15
MANWAY				
34700353 24" MANWAY PE BOLTED SEALED	1	466.05	EA	466.05
LEVEL INSTRUMENT				
34700219 1" FITTING DBL FLG S PVC EPDM GSKT ENCAP 316SS BOLTS	1	203.45	EA	203.45
838-127S 1"X1/8" BUSHING FLUSH RDCR SPIGXFPT GRY PVC SCH80	1	1.83	EA	1.83
50426478 PRESSURE TRANSMITTER 0-500PSI TYPE A-10 1/4" MPT 4-20mA	1	117.16	EA	117.16
REVERSE FLOAT INDICATOR				

Continued

Harrington Industrial Plastics
3055 East Rose Garden Lane
Phoenix AZ 85050
602-313-3429
602-252-6083 Fax

Quotation# 11505223
Written: MZB
Quote Date 12/10/24
Expire Date 12/24/24
Page 3 OF 3

Product/Description	Quantity	Price	U/M	Extension
34701935 INDICATOR LEVEL REVERSE FLOAT PVC/PP EPDM FOR VERT STORAGE	1	1164.15	EA	1,164.15

LEAD TIME: 4-6 WEEKS

FREIGHT WILL APPLY

Harrington's standard Terms and conditions apply. Please visit
<https://www.hipco.com/terms-and-conditions-sale> for the full
Terms and Conditions

- ADDED \$2500 FOR
ANCHORS
- ADDED \$2500 FOR
ANCHORAGE CALCS

Merchandise	Tax	Est.Freight / Handling	Net Quote Total
33,915.79	2,895.40	0.00	36,811.19

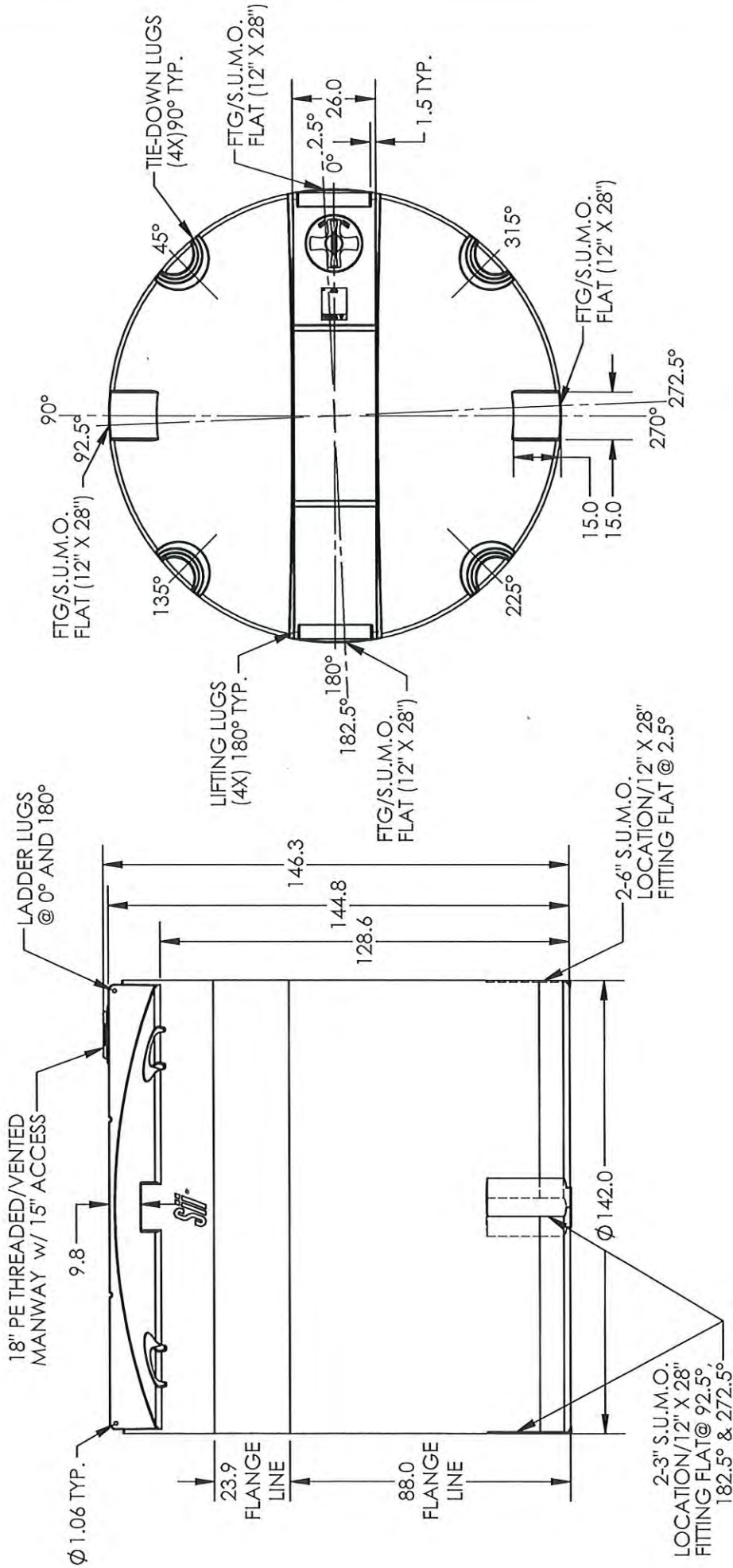
Thanks For Thinking Harrington.

Respectfully Miguel Burciaga

All Quotations are subject to review upon placement of order.

Freight/Handling and applicable taxes if not listed above will be added.

Harrington standard terms and conditions apply to this quote.



*ALL EXTERNAL PIPING MUST BE INDEPENDENTLY SUPPORTED.
 *ONLY BASE FITTINGS TO BE LEFT INSTALLED AT TIME OF SHIPMENT PER SII PROCEDURE.
 *Consult Snyder's Guidelines for Use and Installation prior to delivery.
 Available on-line at <http://www.snyderindustriestanks.com/Technical>
 ALL DIMENSIONS ARE IN INCHES, NOMINAL, & SUBJECT TO CHANGE WITHOUT NOTICE.
 ALL DIMENSIONS ON ROTATIONAL MOLDED PARTS ARE SUBJECT TO A ± 3% TOLERANCE.

DO NOT SCALE	DRAWN BY	DATE	REVISION
Released	BH	01/17/2014	A
© SNYDER INDUSTRIES INC., 2014			SHEET 1 OF 1
ALL DIMENSIONS, DESIGNS, AND INFORMATION ON THIS PRINT MUST BE CONSIDERED PROPRIETARY TO SNYDER INDUSTRIES, INC. AND MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT WRITTEN PERMISSION OF AN OFFICER (OR HIS AGENT) OF THE FIRM.			TITLE ASM TK 8750VDT X 142 PART NO. 5360100N ENG. ID. D002159

Snyder
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