

CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

AGENDA REGULAR MEETING WATER BOARD

Tuesday, January 28, 2025 – 9:30 a.m.

MARGARET H. CHANDLER WATER RECLAMATION PLANT
399 CHANDLER PLACE
San Bernardino, California

WATER BOARD

TONI CALLICOTT
President

Commissioners

WAYNE HENDRIX, P.E.
DAVID E. MLYNARSKI
RIKKE V. JOHNSON
THOMAS BRICKLEY



MIGUEL J. GUERRERO, P.E.

General Manager

ROBIN L. OHAMA

Deputy General Manager

STEVE R. MILLER

Director of Water Utility

KEVIN T. STEWART, P.E.

Director of Water Reclamation

CYNTHIA J. MOUSER

Director of Finance

JENNIFER L. SHEPARDSON

Director of Environmental &
Regulatory Compliance

“Trusted, Quality Service since 1905”

Welcome to a meeting of the Water Board of the City of San Bernardino

- The City of San Bernardino Municipal Water Department recognizes its obligation to provide equal access to those individuals with disabilities. Please contact the General Manager’s Office (909-384-5191) two working days prior to the meeting for any requests for reasonable accommodation, to include interpreters.
- All documents for public review are on file with the Water Department located at 1350 South “E” Street, San Bernardino or may be accessed online at <https://www.sbmwd.org/agendacenter>
- Please turn off or mute your cell phone while the meeting is in session.
- Any member of the public desiring to speak to the Water Board concerning any matter not on the agenda, but which is within the subject matter jurisdiction of the Water Board, may address the body during the period reserved for public comments. Said total period for public comments shall not exceed forty-five (45) minutes unless such time limit is extended by the Water Board. A three-minute limitation shall apply to each member of the public unless such time limit is extended by the Water Board. No member of the public shall be permitted to “share” his/her three minutes with any other member of the public.
- The Water Board may refer any item raised by the public to staff for appropriate action or have the item placed on the next agenda of the Water Board. However, no other action shall be taken nor discussion held by the Water Board on any item which does not appear on the agenda unless the action is otherwise authorized in accordance with the provisions of subdivision (b) of Section 54954.2 of the Government Code.
- Public comments will not be received on any item on the agenda when a public hearing has been conducted and closed.

THE SAN BERNARDINO MUNICIPAL WATER DEPARTMENT ENCOURAGES THE PUBLIC TO VIEW THIS WATER BOARD MEETING ONLINE. THE MEETING WILL BE LIVE STREAMED VIA YOUTUBE AT: <https://bit.ly/YouTubeSBWater>

MEMBERS OF THE PUBLIC WHO WISH TO COMMENT ON MATTERS BEFORE THE WATER BOARD MAY PARTICIPATE IN THE FOLLOWING WAYS:

1. IF ATTENDING IN PERSON, MAY PROVIDE COMMENT AT THE APPROPRIATE TIME DICTATED BY THE AGENDA AND WATER BOARD PRESIDENT.
2. COMMENTS AND CONTACT INFORMATION MAY BE E-MAILED TO Comments@sbmwd.org BY 8:30 A.M. THE DAY OF THE SCHEDULED MEETING TO BE INCLUDED IN THE WRITTEN RECORD.

CALL TO ORDER

ROLL CALL

1. ANNOUNCEMENTS BY MEMBERS OF THE WATER BOARD
2. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA: A three-minute limitation shall apply to each member of the public who wishes to address the Water Board of any item not listed on the agenda. There is no limit on the number of items that may be discussed within the three-minute time limit. **To be called by the Water Board President, please see special public comments instructions above.**
3. PUBLIC COMMENTS ON ITEMS LISTED ON THE AGENDA: A three-minute limitation shall apply to each member of the public who wishes to address the Water Board of any item listed on the agenda, excluding public hearings. There is no limit on the number of items that may be discussed within the three-minute time limit. **To be called by the Water Board President, please see special public comment instructions above.**
4. CONSENT CALENDAR

MOTION: That the motions indicated by consent calendar items 4A through 4C be adopted, except for _____.

MOTION: _____ SECONDED: _____

A. PAYROLL

MOTION: Approve the payroll for the pay period beginning January 13, 2025 through January 26, 2025.

B. CONTRACTS AND BILLS

MOTION: Approve the payment of contracts and bills to be presented at this meeting.

C. MINUTES

MOTION: Approve the minutes of January 14, 2025, of the Water Board.

DISCUSSION ITEMS

5. SPECIFICATION 1798 – AWARD PLANNED ON-CALL PROJECT – DECOMMISSIONING OF CAROUSEL MALL SEWER SYSTEM: Following the 2024 demolition of the former Carousel Mall structure, the sewer system inside the former mall boundary was no longer needed. A request for quotation was emailed to the six (6) pre-qualified Sanitary Sewer Repair Service contractors on December 9, 2024, under Specification No. 1798, to “Furnish all labor, equipment, and materials for the Decommissioning of the Carousel Mall Sewer System Project, located in San Bernardino, California.”

The funding source for this project is the FY 2024/2025 CO#M2550078, *Annual Re&R Sectional Main Repair* account, which currently has a total of \$1,400,000.00 in unencumbered funds.

MOTION: Accept and award the DECOMMISSIONING OF THE SEWER SYSTEM AT THE DEMOLISHED CAROUSEL MALL SITE under Specification No. 1798 to Mike Prlich & Sons, Inc., as the lowest responsive, responsible bidder in the amount of TWO HUNDRED THIRTEEN THOUSAND TWO HUNDRED AND 00/100 DOLLARS (\$213,200.00).

MOTION:_____ SECONDED:_____

6. REPLACEMENT OF THE RS-1 WASTE ACTIVATED SLUDGE PUMPS: Three (3) Return Activated Sludge (RAS) pumps are utilized processing up to 15 million gallons of raw sewage at the primary and secondary stages. These Worthington centrifugal pumps have had minimal breakdowns and have proven to perform well above the expected standards.

The pumps are now 43 years old and have exceeded their useful design life. The cost and likelihood of failure both exceed best management practices and will need to be replaced with new equipment. Replacing the pumps in-kind will allow for further longevity and reliability of the WRP and staff recommends direct replacement in order to match other products in use.

The funding source for this project is the FY 2024/2025 Sewer Fund Capital Project titled Master Plan—WRP Asset Replacement Project A (CO# C2300283), with an approved budget of \$500,000, of which sufficient funds remain.

MOTION: Approve the issuance of a Purchase Order to Cortech Engineering, a DXP Company as outlined above on a sole-source basis in the amount of ONE HUNDRED NINETY-SIX THOUSAND, ONE HUNDRED SIXTY NINE AND 78/100 DOLLARS (\$196,169.78).

MOTION:_____ SECONDED:_____

7. CONTRACT NO. 1814 – CAROLLO ENGINEERS, INC. -CHANGE ORDER NO. 4 – DESIGN OF THE EAST INFLUENT SIPHON PROJECT PHASES I&II (PROJECT NO. C2450071): On August 31, 2023, the Department entered into Contract No. 1814 with Carollo Engineers, Inc. (Carollo), to perform an emergency visual condition assessment of what was then referred to as the East Bar Screen structure, followed immediately by preparation of a full bypass plan. Shortly after commencement of the project, the facility was retitled to the East Influent Siphon Structure.

Carollo advised the Department that additional Engineering Services During Construction (ESDC) would be required to address multiple issues not foreseeable at the time of initial agreement execution or at any of the prior change order development phases. Change Order No. 4 in the amount of \$44,996.00 has been prepared for this extra work to be performed by Carollo under Contract No. 1814. A time extension of one hundred forty (140) calendar days is recommended to be added, revising contract end date to January 18, 2025.

The funding source for this project is the FY 2024/2025 Sewer Treatment Fund Capital Improvement Project titled *East Influent Siphon Project* (Project No. C2450071) which currently has a total of \$1,739,025.90 in unencumbered funds.

MOTION: Approve the Change Order No. 4 to Contract No. 1814 with Carollo Engineers, Inc. in the amount of FORTY-FOUR THOUSAND NINE HUNDRED NINETY-SIX AND 00/100 DOLLARS (\$44,996.00); and authorize the General Manager to execute the change order.

MOTION:_____ SECONDED:_____

8. SPECIFICATION 1798 – RATIFICATION OF PURCHASE ORDER 32500268 ADDITIONAL COST – MIKE PRLICH AND SONS, INC – ARROWHEAD AND MILL ST PIPE REPLACEMENT PROJECT: In Summer 2024, the Department identified the Arrowhead and Mill Street Pipe Replacement Project as an urgent need. The project consisted of removing and replacing 40 feet of 15-inch deteriorated vitrified clay pipe (VCP) and realigning it to restore flows as per its original design.

Requests for Quotations were sent to the prequalified contractors for Specification 1798. On August 26, 2024 Department awarded the lowest bidder, Mike Prlich and Sons, Inc (MP&S), the Project. In compliance with Department Purchasing Policy 51.030, Purchase Order #32500268 was provided to MP&S for a not-to-exceed cost of \$96,000.00.

During excavation and pipe exposure, various unforeseen elements were found, resulting in additional/unforeseen costs of \$12,654.51. Staff requests the Water Board ratify the additional costs for the Arrowhead and Mill Street Pipe Replacement Project, bringing the total project cost to \$108,654.51.

The funding source for this project is the FY 2024/2025 Sewer Collections Fund Capital Project titled Annual R/R – Sectional Main Repairs (C.O. #M2550078) with an approved budget of \$1,750,000. Sufficient funding remains available in this Construction Order for this work.

MOTION: Ratify the additional payment of TWELVE THOUSAND SIX HUNDRED FIFTY-FOUR AND 51/100 DOLLARS (\$12,654.51) to Mike Prlich and Sons, Inc for the unforeseen additional costs on the Arrowhead and Mill St Pipe Replacement Project.

MOTION:_____ SECONDED:_____

9. CONTRACT NO. 1723 – MYERS AND SONS CONSTRUCTION, LLC -CHANGE ORDER NO. 5 – TERTIARY TREATMENT SYSTEM PROJECT (PROJECT NO. C1700194): On April 25, 2023, the Department entered into Contract No. 1723 with Myers & Sons Construction, LLC (Myers), for the construction of the Tertiary Treatment System Project. The Project consists of construction of a 5.0 million gallons per day (MGD) facility to treat and convey recycled water.

Additional work is necessary for this project and a time extension of fifty-seven (57) calendar days is recommended to be added to the contract time. Change Order No. 5 in the amount of \$238,233.83 has been prepared for this extra work to be performed by Myers under Contract No. 1723. Upon Water Board approval, the revised contract end date will be March 20, 2025.

The funding source for this project is the FY 2024/2025 Sewer Treatment Fund Capital Improvement Project titled *CWF-Phase 4 Tertiary Treatment Project* (Project No. C1700194) which currently has a total of \$1,266,194.59 in unencumbered funds.

MOTION: Approve the Change Order No. 5 to Contract No. 1723 with Myers & Sons, LLC in the amount of TWO HUNDRED THIRTY-EIGHT THOUSAND TWO HUNDRED THIRTY-THREE AND 83/100 DOLLARS (\$238,233.83) and authorize the General Manager to execute the change order.

MOTION:_____ SECONDED:_____

10. REPORTS:

- A. Report of the President
- B. Report of the Commissioners
- C. Report of the Directors
- D. Report of the General Manager

11. ADJOURNMENT

The next regular meeting of the Water Board is scheduled for 9:30 a.m., February 11, 2025, at The Margaret H. Chandler Water Reclamation Plant, 399 Chandler Place, San Bernardino, CA 92408.



**City of San Bernardino
Municipal Water Department**

399 Chandler Place
San Bernardino, CA 92408
<http://www.sbcitywater.org>

*President Cecilia "Toni"
Callicott*

Commissioners

*Wayne Hendrix
David Mlynarski
Rikke Johnson
Thomas Brickley*

MINUTES

FOR THE

WATER BOARD OF THE CITY OF SAN BERNARDINO

JANUARY 14, 2025

CALL TO ORDER

The Regular Meeting of the Water Board of the City of San Bernardino was called to order by President Toni Callicott at 9:30 AM, Tuesday, January 14, 2025, in-person and livestream via YouTube.

ROLL CALL

Attendee Name	Title	Status	Arrived
Cecilia "Toni" Callicott	President	Present	9:30 AM
Wayne Hendrix	Vice President	Absent	N/A
David Mlynarski	Board Member	Present	9:32 AM
Rikke Johnson	Board Member	Present	9:30 AM
Thomas Brickley	Board Member	Present	9:30 AM
Miguel Guerrero	General Manager	Present	9:30 AM

1. **ANNOUNCEMENTS BY THE BOARD:** Commissioner Johnson thanked Department employees on behalf of Akoma Unity Center, for their contributions during the holidays.
2. **PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA:** None.
3. **PUBLIC COMMENTS ON ITEMS LISTED ON THE AGENDA:** None.

4. CONSENT CALENDAR – ITEMS 4A THROUGH 4F:**A. PAYROLL:**

	<u>Water Fund</u>	<u>Sewer Treatment</u>	<u>Total</u>
Claims:3010993- 3011351			
Accounts Payable	\$5,339,041.08	\$2,983,370.50	\$8,322,411.58
Gross Payroll			
11/18/24- 12/01/24; 12/02/24- 12/15/24; 12/16/24-12/29/24	<u>\$1,425,612.36</u>	<u>\$1,344,846.81</u>	<u>\$2,770,459.17</u>
TOTALS	<u>\$6,764,653.44</u>	<u>\$4,328,217.31</u>	<u>\$11,092,870.75</u>

Payroll for the pay periods beginning December 16, 2024 through December 29, 2024, and December 30, 2024 through January 12, 2025.

B. CONTRACTS AND BILLS: Contracts and bills presented at this meeting.

C. MINUTES: December 10, 2024.

D. RESOLUTION NO. 25-001 OF THE WATER BOARD OF THE CITY OF SAN BERNARDINO RECOGNIZING KATHRYN RANDALL FOR MORE THAN TWENTY-SIX YEARS OF DEDICATED SERVICE TO THE CITY OF SAN BERNARDINO AND SAN BERNARDINO MUNICIPAL WATER DEPARTMENT.

E. RESOLUTION NO. 25-0002 OF THE WATER BOARD OF THE CITY OF SAN BERNARDINO RECOGNIZING CONSTANTINE ARRIETA FOR MORE THAN THIRTY-FIVE YEARS OF DEDICATED SERVICE TO THE CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT.

F. RESOLUTION NO. 25-0003 OF THE WATER BOARD OF THE CITY OF SAN BERNARDINO RECOGNIZING JOHNNY GARCIA FOR MORE THAN THIRTY-THREE YEARS OF DEDICATED SERVICE TO THE CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT.

RESULT: **APPROVED 4-0 BY ROLL CALL VOTE W/ 1 ABSENT**
MOVER: T. Brickley
SECONDER: R. Johnson
ABSTAINED: N/A
ABSENT: W. Hendrix

DISCUSSION ITEMS

5. **ELECTION OF OFFICERS:** In accordance with the City of San Bernardino Board, Commission, and Citizen Advisory Committee Bylaws (Bylaws), Article I, Section 1, the officers of the Water Board shall include a President and Vice President.

In addition, Article I, Section 2, of the Bylaws stated that officers shall be elected by a majority of the commissioners present at the first regular meeting in January and shall serve a term of two (2) years.

The current officers of the Water Board were Toni Callicott, President, and Wayne Hendrix, Vice President.

Commissioner Mlynarski stated that the current dynamic was working well and made a motion to extend the terms of the current Water Board President and Vice-President.

Commissioner Johnson agreed and seconded the motion.

MOTION: Toni Callicott and Wayne Hendrix were reappointed as President and Vice-President, respectively, in accordance with the *City of San Bernardino Board, Commission, and Citizen Advisory Committee Bylaws*.

RESULT:	APPROVED 4-0 BY ROLL CALL VOTE W/ 1 ABSENT
MOVER:	D. Mlynarski
SECONDER:	R. Johnson
ABSTAINED:	N/A
ABSENT:	W. Hendrix

6. **PRESENTATION OF SERVICE AWARDS:** Employee service awards were presented acknowledging the following employees for their years of service to the Department.

Steven Dooley	5 Years of Service
Diego Ortiz	15 Years of Service
Tim Potter	20 Years of Service

7. **REPORTS:**

A. **Report of the President – None.**

B. **Report of the Commissioners – None.**

C. Report of the Directors –

1. Director Stewart stated that the Department staff received a draft permit from the Regional Water Board and the review would be completed by the deadline.
2. Director Miller stated that the system did not experience any major issues due to the wind and the reservoirs remained at capacity.

Director Miller stated that the Department managed any power outages with back-up generators.

3. Deputy General Manager Ohama stated that a landscaping workshop would be given from 10:00 a.m. – 12:00 p.m. on Saturday, January 18, 2025, at the San Bernardino City Unified School District, located at 777 N. “F” Street, San Bernardino, CA 92410.

Deputy General Manager Ohama stated that all of the landscaping workshop information would be posted on the Department website and social media platforms.

D. Report of the General Manager –

1. General Manager Guerrero thanked staff their hard work throughout the windy weather.

General Manager Guerrero stated that there was a lot of news regarding devastation and destruction which included news surrounding the reliability of water during these events.

General Manager Guerrero stated that his hope was to learn from these recent events and minimize any major issues related to water when these types of events happen in the City.

2. General Manager Guerrero informed the Water Board that staff was continuing its work with San Bernardino County with the septic to sewer project in the Arrowhead Farms area.

General Manager Guerrero stated that Department and County staff would be meeting in late January to discuss the funding for the planning and design of the project with the \$1million grant received from Congressman Pete Aguilar’s Office.

8. PUBLIC COMMENT ON CLOSED SESSION ITEMS: None.**9. CLOSED SESSION:**Pursuant to Government Code Section(s):

- A. Conference with legal counsel – anticipated litigation – pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One case.

No reportable action taken.

- B. Conference with real property negotiators –
Property: 888 East 6th Street (APN 0278-181-20 and portion of APN 0278-191-30)
Agency negotiator: General Manager or designee
Negotiating parties: City of San Bernardino (General Fund)
Under negotiation: Price and terms of payment

No reportable action taken.

10. ADJOURNMENT:

The next regular meeting of the Water Board was scheduled for 9:30 a.m., January 28, 2025, at the Margaret H. Chandler Water Reclamation Plant, located at 399 Chandler Place, San Bernardino, CA, 92408.

By: _____
Miguel J. Guerero, P.E.
General Manager

**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT**

**WATER BOARD
STAFF REPORT**

TO: Miguel J. Guerrero, P.E., General Manager 
FROM: Kevin T. Stewart, P. E., Director of Water Reclamation
SUBJECT: SPECIFICATION 1798 – AWARD PLANNED ON-CALL PROJECT –
DECOMMISSIONING OF CAROUSEL MALL SEWER SYSTEM
DATE: January 15, 2025
CC: C. Mouser, J. Martinez, S. Morrison

BACKGROUND:

Each year, the Department prequalifies On-Call Water and Sanitary Sewer Repair Service contractors, to ensure the Department has a timely response to Water/Sanitary Sewer unplanned and/or emergency repairs. Request for Prequalification No. 1798 for On-Call Water and Sanitary Sewer Repair Services was issued on September 18, 2023, via the Department's online bidding system, PlanetBids. Bids closed on October 3, 2023, with six (6) contractors that were deemed pre-qualified. This list was in effect until December 17, 2024.

A request for quotation was emailed to the six (6) pre-qualified Sanitary Sewer Repair Service contractors on December 9, 2024, TO FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS FOR THE DECOMMISSIONING OF THE CAROUSEL MALL SEWER SYSTEM PROJECT, LOCATED IN SAN BERNARDINO, CALIFORNIA following the planned work procedures listed in Specification No. 1798.

Following the 2024 demolition of the former Carousel Mall structure, the sewer system inside the former mall boundary was no longer needed. The decommissioning of the sewer system project includes "sever and cap" 8-inch vitrified clay pipe (VCP) sewer main at four (4) designated points, slurry fill approximately three thousand eight hundred (3,800) linear feet of abandoned eight (8) inch sewer mains and lowering and abandoning fifteen (15) sewer maintenance holes (MH).

Miguel J. Guerrero, P.E., General Manager

Page 2 of 2

January 15, 2025

**SUBJECT: SPECIFICATION 1798 – AWARD PLANNED ON-CALL PROJECT –
DECOMMISSIONING OF CAROUSEL MALL SEWER SYSTEM**

The Department's estimate for this project was \$275,000.00. The bids received on or before the deadline of December 20, 2024, were as follows:

	Name of Contractor	Bid Amount	Comment
1	Mike Prlich and Sons	\$213,200.00	Lowest bidder
2	TK Construction	\$223,750.00	
3	El-Co Construction	\$301,000.00	
4	Paulus Engineering	\$0	Declined to Bid (Email)
5	Ferreira Construction	\$0	No Response
6	TBU Construction	\$0	No Response

All bids received were deemed responsive and responsible.

GOALS AND OBJECTIVES:

This project aligns with the Department's Strategic Plan under Target 2: Infrastructure / Efficiencies, Goal #1: Address the Department's aging infrastructure.

FISCAL IMPACT:

The funding source for this project is the FY 2024/2025 CO#M2550078 Annual R&R Sectional Main Repair Account which currently has a total of \$1,400,000.00 in unencumbered funds.

RECOMMENDATION:

Staff recommends that the Water Board make the following motion:

- Accept and award the DECOMMISSIONING OF THE SEWER SYSTEM AT THE DEMOLISHED CAROUSEL MALL SITE under Specification No. 1798 to Mike Prlich & Sons, Inc., as the lowest responsive, responsible bidder in the amount of TWO HUNDRED THIRTEEN THOUSAND TWO HUNDRED AND 00/100 DOLLARS (\$213,200.00).

Respectfully submitted,



Kevin T. Stewart, P.E.
Director of Water Reclamation

**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT**

**WATER BOARD
STAFF REPORT**

TO: Miguel J. Guerrero, P.E., General Manager 
FROM: Kevin T. Stewart, P.E., Director of Water Reclamation
SUBJECT: **REPLACEMENT OF THE RS-1 WASTE ACTIVATED SLUDGE PUMPS**
DATE: January 15, 2025
CC: Cindy Mouser, Travis Mendenhall, Aaron Winchester, Jamie Laureano, Laserfiche

BACKGROUND:

The Water Reclamation Plant (WRP) was constructed in 1958. In 1971, a plant expansion known as Unit 2 was constructed. This section of the Plant is responsible for processing up to 15 million gallons of raw sewage at the primary and secondary stages. Three (3) Return Activated Sludge (RAS) pumps are utilized in this treatment process. The system currently uses Worthington centrifugal pumps to convey the process material.

Throughout their years of operation, these pumps have had minimal breakdowns and have proven to perform well above the expected standards. Replacing the pumps in-kind will allow for further longevity and reliability of the WRP. In-kind/Direct replacement will also require less staff labor to install. Staff recommends direct replacement "in order to match other products in use."

These pumps are now 43 years old and have exceeded their useful design life. Due to their age and normal use, the cost and likelihood of failure both exceed best management practices. The pumps need to be replaced with new equipment. These new pumps will increase equipment uptime and require less labor to maintain. Worthington, which was purchased by Flowserve, continues to manufacture a direct replacement pump for this application, and Cortech Engineering, a DXP Company (Cortech) is the sole provider for Worthington/Flowserve pumps in our region. We have reached out to other vendors of similar style pumps, and they cannot provide an installation that is a direct replacement.

The recommendation is to replace 2 (two) of the 3 (three) existing Worthington pumps with direct replacement Worthington Pumps from Cortech. The total cost for the 2 (two) pumps is \$196,169.78.

Miguel J. Guerrero, P.E., General Manager

Page 2 of 2

January 15, 2025

SUBJECT: REPLACEMENT OF THE RS-1 WASTE ACTIVATED SLUDGE PUMPS

GOALS AND OBJECTIVES:

This Project aligns with the Department's Strategic Plan under Target #2: Infrastructure/Efficiencies, Goal #4: Address the Department's aging infrastructure.

FISCAL IMPACT:

The funding source for this project is the FY 2024/2025 Sewer Fund Capital Project titled Master Plan—WRP Asset Replacement Project A (CO# C2300283), with an approved budget of \$500,000, of which sufficient funds remain.

RECOMMENDATION:

It is recommended that the Water Board make the following motion:

- Approve the issuance of a Purchase Order to Cortech Engineering, a DXP Company as outlined above on a sole-source basis in the amount of ONE HUNDRED NINETY-SIX THOUSAND, ONE HUNDRED SIXTY-NINE AND 78/100 DOLLARS (\$196,169.78).

Respectfully submitted,



Kevin T. Stewart, P.E.
Director of Water Reclamation

Attachment: Cortech Quote 14396696_1.pdf

QUOTATION



1340 N. Jefferson St.
Anaheim, CA 92807

Phone 714-779-0911
Fax 714-912-7330

Order Number

14396696



Order Date

11/12/2024

Page

1 of 1

Quote Expires On 12/27/2024

Bill To:

San Bernardino, City of
Municipal Water Dept.
PO Box 710
San Bernardino, CA 92402
US
909-453-6014VICTORIA

Ship To:

SAN BERNARDINO WATER DEPT
399 CHANDLER PL.
SAN BERNARDINO, CA 92408
US

Customer ID: 385000

Order Required Date 01/12/2025

PO Number					Ship Route	Taker	SalesRep		
						JONATHAN.LAWSON	Tony Nunez		
Quantities					Item ID		Pricing	Unit	Extended
Ordered	Allocated	Remaining	UOM	Unit Size	Disp.	Item Description	UOM	Price	Price
							Unit Size		

Carrier: BW- PPD & ADD

Delivery Instructions: SHIPS 24 WEEKS ARO

2.000	0.000	2.000	EA			(001) FLOWS 12MNZ14B FR5T	EA	90,193.0000	180,386.00
Item Required Date: 1/12/2025									
				1.0		FLOWSERVE SOLIDS HANDLING PUMP 1	1.0		
						STG			
						2,600 GPM @ 22 FT HEAD			
						860 RPMS			
						CAST IRON CASING - PACKING			
						SUCTION WAR RING 440/CHRSS			
						SEE DATASHEETS			

Order Line Notes: Note: duplicate replacements of S/n Z000292

Total Lines: 1

SUB-TOTAL: 180,386.00

TAX: 15,783.78

AMOUNT DUE: 196,169.78

USD

**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT**

**WATER BOARD
STAFF REPORT**

TO: Miguel J. Guerrero, P.E, General Manager 

FROM: Kevin T. Stewart, P.E., Director of Water Reclamation

SUBJECT: **CONTRACT NO. 1814 – CAROLLO ENGINEERS, INC. -CHANGE ORDER NO. 4 – DESIGN OF THE EAST INFLUENT SIPHON PROJECT PHASES I&II (PROJECT NO. C2450071)**

DATE: January 15, 2025

CC: C. Mouser, S. Morrison, W. Huang, B. Tamimi, J. Martinez, J. Hanford, T. Mendenhall, J. Branch, Laserfiche

BACKGROUND:

On August 31, 2023, the Department entered into Contract No. 1814 with Carollo Engineers, Inc. (Carollo), to perform an emergency visual condition assessment of what was then referred to as the East Bar Screen structure, followed immediately by preparation of a full bypass plan. Shortly after commencement of the project, the facility was retitled to the East Influent Siphon Structure.

Change Order No. 1 in the amount of \$296,064.00 to complete the Final Design for the East Influent Siphon Project Phases I & II was ratified by the Board on November 14, 2023.

Change Order No. 2 in the amount of \$153,701.00 to complete the Bidding Support and engineering Services During Construction of the East Influent Siphon Project Phases I&II (Specification No. 1822), was approved by the Board on November 14, 2023.

Change Order No. 3 in the amount of \$150,329.00 to provide additional review of submittals and Requests for Information (RFIs) which exceeded those originally accounted for in the scope of work, was approved by the Board on March 26, 2024.

Carollo advised the Department that additional Engineering Services During Construction (ESDC) would be required to address multiple issues not foreseeable at the time of initial agreement execution or at any of the prior change order development phases. These issues include an extension of 140 calendar days to the active construction period. In addition, currently, the Project includes only Phases I & II to replace the Influent infrastructure. However, Phase III of the Project, the replacement of the siphon barrels beneath East Twin Creek, may benefit from the reuse of the temporary structures installed in Phases I&II. The reuse of these structures will be at a drastically lower cost than that of demolishing and reconstruction them.

January 15, 2025

SUBJECT: CONTRACT NO. 1814 – CAROLLO ENGINEERS, INC. -CHANGE ORDER NO. 4 – DESIGN OF THE EAST INFLUENT SIPHON PROJECT PHASES I&II (PROJECT NO. C2450071)

Two of the construction subcontractors took major deviations from the contract documents and approved submittals thus compromising the quality of work. As a result, Carollo had to perform additional revisions and site visits to develop agreeable solutions. Additional ESDC was also required because of Staff errors in direction to the construction contractor. Consequently, Carollo had to mitigate the issues due to work already completed by the contractor.

A time extension of one hundred forty (140) calendar days is recommended to be added to the contract time. Upon Water Board approval, the revised contract end date will be January 18, 2025.

Change Order No. 4 in the amount of \$44,996.00 has been prepared for this extra work to be performed by Carollo under Contract No. 1814. A complete summary of the Change Order items prepared by the Department's Contracts section is attached.

GOALS AND OBJECTIVES:

This project aligns with the Department's Strategic Plan under Target 2: Infrastructure / Efficiencies, Goal #1: Address the Department's aging infrastructure.

FISCAL IMPACT:

The funding source for this project is the FY 2024/2025 Sewer Treatment Fund Capital Improvement Project titled *East Influent Siphon Project* (Project No. C2450071) which currently has a total of \$1,739,025.90 in unencumbered funds.

RECOMMENDATION:

Staff recommends that the Water Board make the following motion:

- Approve the Change Order No. 4 to Contract No. 1814 with Carollo Engineers, Inc. in the amount of FORTY-FOUR THOUSAND NINE HUNDRED NINETY-SIX AND 00/100 DOLLARS (\$44,996.00); and authorize the General Manager to execute the change order.

Respectfully submitted,



Kevin T. Stewart, P.E.
Director of Water Reclamation

Attachment – Change Order No. 4 to Contract No. 1814

sdm

CONTRACT NO. 1814
CHANGE ORDER NO. 4

DATE: December 10, 2024

OWNER: CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

CONTRACTOR: CAROLLO ENGINEERS, INC.

PROJECT: EAST BAR SCREEN STRUCTURE EVALUATION AND
REHABILITATION REPLACEMENT PROJECT

You are hereby requested to make the following described changes and/or additions to the project scope of work:

Item No.	Description Changes and/or Additions	Decrease Contract Price (Contract Time)	Increase Contract Price (Contract Time)
1	Additional ESDC - Project Management		\$9,300.00
2	Additional ESDC - Coordination & Site Visits		\$13,616.00
3	Additional ESDC - Revise Plan & Specifications		\$22,080.00
4	Time Extension		(140 Calendar Days)
	TOTAL		\$44,996.00
Original Contract Amount			\$50,000.00
Net Increase Due To Change Order No. 1			\$296,064.00
Net Increase Due To Change Order No. 2			\$153,701.00
Net Increase Due To Change Order No. 3			\$150,329.00
Contract Amount Prior To This Change Order			\$650,094.00
Net Increase Due To This Change Order			\$44,996.00
Net Contract Amount, Including This Change Order			\$695,090.00
Net Change in Contract Price			89.99%

The additional work contained with this Change Order can be performed incidental to the prime work and any Change Order work issued to date and is able to be completed concurrently with remaining work to be performed under the items of the Contract, without interference or delay to the Contractor. The work required by the Change Order can be completed within the time allotted for the original Contract plus the extensions to the Contract time made by this and any previously issued Change Orders.

The amounts indicated above shall be compensation in full for the work described including all direct and indirect, incidental or consequential costs or expenses, including but not limited to, extended overhead and other impact costs that have been or will be incurred by the Contractor.

Contract No. 1814
Change Order No. 4

The total Contract Completion Date remains the same.

ACCEPTED BY: _____ DATE: _____
REPRESENTATIVE
CAROLLO ENGINEERS, INC.

RECOMMENDED BY: _____ DATE: _____
DIRECTOR OF WATER RECLAMATION
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

APPROVED BY: _____ DATE: _____
GENERAL MANAGER
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
(or)
PRESIDENT, WATER BOARD
CITY OF SAN BERNARDINO

**CONTRACT NO. 1814
CHANGE ORDER NO. 4
ITEM NO. 1 BREAKDOWN**

Description: Additional Engineering Services During Construction (ESDC) Project Management

Reason: The Consultant submitted a request to address multiple matters that were not foreseeable at the time of the initial Agreement preparation or any of the prior Change Order development phases. Among these unforeseeable events, was the extension of the active construction period by the construction contractor by at least twenty weeks. This required the Engineer of Record to perform additional project management, attendance at meetings, etc. The Consultant will add additional Project Management services as specified under Task 7.1 of Change Order 2. The price includes all the engineering services to perform the work.

Prior Approval: Belal Tamimi; Kevin Stewart; Miguel Guerrero

**Contractors
Proposed Cost:** \$9,300.00

Total Cost: \$9,300.00

Time Extension: 0 Calendar Days

**CONTRACT NO. 1814
CHANGE ORDER NO. 4
ITEM NO. 3 BREAKDOWN**

Description: Additional Engineering Services During Construction (ESDC) -Revise Plan & Specifications

Reason: The Consultant submitted a request to address multiple matters that were not foreseeable at the time of the initial Agreement preparation or any of the prior Change Order development phases. Among these unforeseeable events, was the extension of the active construction period by the construction contractor by at least twenty weeks. The Consultant will add additional Project Management services as specified under Task 7.3, 7.4. and 7.6 of Change Order 2. The price includes all the engineering services to perform the work.

Prior Approval: Belal Tamimi; Kevin Stewart; Miguel Guerrero

**Contractors
Proposed Cost:** \$13,616.00

Total Cost: \$13,616.00

Time Extension: 0 Calendar Days

**CONTRACT NO. 1814
CHANGE ORDER NO. 4
ITEM NO. 3 BREAKDOWN**

Description: Additional Engineering Services During Construction (ESDC) -Coordination & Site Visits

Reason: The Consultant submitted a request to address multiple matters that were not foreseeable at the time of the initial Agreement preparation or any of the prior Change Order development phases. Among these unforeseeable events, was the extension of the active construction period by the construction contractor by at least twenty weeks. The Consultant will add additional Project Management services as specified under Task 7.3, 7.4. and 7.6 of Change Order 2, revising existing contract documents as necessary. The price includes all the engineering services to perform the work.

Prior Approval: Belal Tamimi; Kevin Stewart; Miguel Guerrero

**Contractors
Proposed Cost:** \$22,080.00

Total Cost: \$22,080.00

Time Extension: 0 Calendar Days

**CONTRACT NO. 1814
CHANGE ORDER NO. 4
ITEM NO. 4 BREAKDOWN**

Description:	Time Extension
Reason:	The Consultant submitted a request to address multiple matters that were not foreseeable at the time of the initial Agreement preparation or any of the prior Change Order development phases. Among these unforeseeable events, was the extension of the active construction period by the construction contractor by at least twenty weeks. The Consultant will shall extend the period of performance by one hundred forty (140) additional calendar days to correspond with the construction contractor's period of performance.
Prior Approval:	Belal Tamimi; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	\$13,616.00
Total Cost:	\$13,616.00
Time Extension:	0 Calendar Days

**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT**

**WATER BOARD
STAFF REPORT**

TO: Miguel J. Guerrero, P.E., General Manager 

FROM: Kevin T. Stewart, P.E., Director of Water Reclamation

SUBJECT: SPECIFICATION 1798 – RATIFICATION OF PURCHASE ORDER
32500268 ADDITIONAL COST – MIKE PRlich AND SONS, INC –
ARROWHEAD AND MILL ST PIPE REPLACEMENT PROJECT

DATE: January 16, 2025

CC: Cindy Mouser, Richard Hyle, Sydney Morrison, Aaron Winchester, Jaime Laureano

BACKGROUND:

Each year, the Department prequalifies On-Call Water and Sanitary Sewer Repair Service contractors, to ensure the Department has a timely response to Water/Sanitary Sewer unplanned and/or emergency repairs. Request for Prequalification No. 1798 for On-Call Water and Sanitary Sewer Repair Services was issued on September 18, 2023, via the Department's online bidding system, PlanetBids. Bids closed on October 3, 2023, with selected contractors pre-qualified through December 17, 2024.

In Summer 2024, the Department identified the Arrowhead and Mill Street Pipe Replacement Project as an urgent need. The project consisted of removing and replacing 40 feet of 15-inch deteriorated vitrified clay pipe (VCP) and realigning it to restore flows as per its original design. The work was also geared towards allowing the removal of this pipeline segment from the high-frequency cleaning (HFC) schedule. Requests for Quotations were sent to the prequalified contractors for Specification 1798.

On August 26, 2024, the San Bernardino Municipal Water Department, pursuant to the planned work processes under Specification 1798, awarded the lowest bidder, Mike Prlich and Sons, Inc (MP&S), the Project. In compliance with Department Purchasing Policy 51.030, Purchase Order #32500268 was provided to MP&S for a not-to-exceed cost of NINETY SIX THOUSAND AND 00/100 DOLLARS (\$96,000.00) to commence work on the project.

During excavation and pipe exposure, various unforeseen elements were found: (1) the sewer pipeline segment to be replaced was encased in concrete, and (2) undetected gas and water lines were found within the trench line. It is more likely than not that the sluggish/reverse flow in the pipeline was due to the gravity-flow pipeline being routed up and over these other utilities.

The additional unforeseen work of removing the concrete encasement from the sewer mainline, removing the gas line (performed by the gas company), and encasing the water line in concrete (to comply with regulatory requirements) resulted in additional/unforeseen costs of \$12,654.51.

Miguel J. Guerrero, P.E., General Manager

Page 2

January 16, 2025

SUBJECT: SPECIFICATION 1798 – RATIFICATION OF PURCHASE ORDER 32500268
ADDITIONAL COST – MIKE PRlich AND SONS, INC – ARROWHEAD AND
MILL ST PIPE REPLACEMENT PROJECT

The mainline was repaired, realigned, and is flowing as per original design. The pipeline will remain on the observation list for an additional 60 days and eventually be removed from the HFC schedule.

Staff was present to confirm all additional unforeseen elements causing the additional costs. Staff respectfully request the Water Board ratify the unforeseen additional costs for the Arrowhead and Mill Street Pipe Replacement Project in the amount of \$12,654.51. This additional expenditure brings the total project cost to \$108,654.51.

FISCAL IMPACT:

The funding source for this project is the FY 2024/2025 Sewer Collections Fund Capital Project titled *Annual R/R – Sectional Main Repairs* (C.O. #M2550078) with an approved budget of \$1,750,000. Sufficient funding remains available in this Construction Order for this work.

RECOMMENDATION:

Staff respectfully recommends that the Water Board make the following motion:

- Ratify the additional payment of TWELVE THOUSAND SIX HUNDRED FIFTY-FOUR AND 51/100 DOLLARS (\$12,654.51) to Mike Prlich and Sons, Inc. for the unforeseen additional costs on the Arrowhead and Mill St Pipe Replacement Project.

Respectfully,



Kevin T. Stewart, P.E.
Director of Water Reclamation

JJM:KTS

**CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT**

**WATER BOARD
STAFF REPORT**

TO: Miguel J. Guerrero, P.E, General Manager 

FROM: Kevin T. Stewart, P.E., Director of Water Reclamation

SUBJECT: **CONTRACT NO. 1723 – MYERS AND SONS CONSTRUCTION, LLC -
CHANGE ORDER NO. 5 – TERTIARY TREATMENT SYSTEM
PROJECT (PROJECT NO. C1700194)**

DATE: January 16, 2025

CC: S. Morrison, W. Huang, R. Lindberg, Laserfiche

BACKGROUND:

On April 25, 2023, the Department entered into Contract No. 1723 with Myers & Sons Construction, LLC (Myers), for the construction of the Tertiary Treatment System Project. The Project consists of construction of a 5.0 Million Gallons Per Day (MGD) facility to treat and convey recycled water.

Change Order No. 1 in the amount of \$15,387.80 was approved by the General Manager on November 15, 2023, because of underground utilities which conflicted with the proposed design.

Change Order No. 2 in the amount of \$7,696.05 was approved by the General Manager on April 9, 2024, to install kick plates for hand railings above the existing Tertiary Reservoir.

Change Order No. 3 in the amount of \$216,272.76 was approved by the General Manager on June 10, 2024, for additional work provided by Myers, including asbestos pipe removal, concrete block removal not previously shown on the plans, and a change in depth on excavation of a manhole. In addition, Ardurra, the Construction Management Firm for the project, was notified of a significant delay in procurement of the Eaton Transformer required for the Project. After several meetings and design discussions with Ardurra and the Engineer of Record, AECOM, it was agreed that the Project should move forward with a temporary transformer to allow for start-up and testing of the system without further delay and loss of equipment warranties. Upon the Department's request, additional repairs to the existing Tertiary Reservoir were made by the Contractor.

Due to the delayed electrical procurement of the Eaton Transformer and Eaton Motor Control centers, additional contractual time to install the permanent transformer was necessary. As a result, Change Order No. 4 was approved by the General Manager on September 5, 2024, extending the contractual time by thirty-seven (37) days. There was no cost increase associated with this extension.

January 16, 2025

**SUBJECT: CONTRACT NO. 1723 – MYERS AND SONS CONSTRUCTION, LLC -
CHANGE ORDER NO. 5 – TERTIARY TREATMENT SYSTEM
PROJECT (PROJECT NO. C1700194)**

The specifications required the Contractor to choose between two (2) listed UV Suppliers, or provide an equivalent. Any redesign resulting from the selection of an equivalent supplier would be the responsibility of the Contractor. The UV design included in the contract was based on one of the listed suppliers. The Contractor selected the alternate listed supplier, thus requiring revision of the Drawings after the time of bid. Thus, the costs for redesign were the responsibility of the Department. The revised design includes additional wall height, rebar, grating, grating able, concrete, electrical, valves and mechanicals, etc. which all had to be incorporated into the original design.

Upon the Department's request, the Contractor installed 4/O Copper XHHW-2 tracer wire with valve can lids at each end of the wire and each terminal end. This was omitted from the drawings.

Upon cleaning of the existing Tertiary Reservoir's floor, the Contractor discovered floor cracks in need of repair. As such, the existing sealant/epoxy was removed to repair these areas. The cracks were ground, primed, and installation of backer rod and Sika Flex was completed.

In addition, the size of the disc filter pads had to be increased by 18% because of requirements from the approved seismic calculations. The increase also required additional forming, rebar and concrete.

The Department received two (2) credits totaling \$8,530.00. The first credit was a result of the CIPP lining subcontractor, Insituform, failing to follow the Method of Plant Operation. As such, this resulted in unauthorized overtime from Ardurra. The second credit was a result of the Department's request the Contractor not complete the reinstallation of the BFV previously removed from the southern access point prior to Insituform lining the pipe.

A time extension of fifty-seven (57) calendar days is recommended to be added to the contract time. Upon Water Board approval, the revised contract end date will be March 20, 2025.

Change Order No. 5 in the amount of \$238,233.83 has been prepared for this extra work to be performed by Myers under Contract No. 1723. A complete summary of the Change Order items prepared by the Department's Contracts section is attached.

GOALS AND OBJECTIVES:

This project aligns with the Department's Strategic Plan under Target 2: Infrastructure / Efficiencies, Goal #7: Commence construction of Clean Water Factory.

January 16, 2025

**SUBJECT: CONTRACT NO. 1723 – MYERS AND SONS CONSTRUCTION, LLC -
CHANGE ORDER NO. 5 – TERTIARY TREATMENT SYSTEM
PROJECT (PROJECT NO. C1700194)**

FISCAL IMPACT:

The funding source for this project is the FY 2024/2025 Sewer Treatment Fund Capital Improvement Project titled *CWF-Phase 4 Tertiary Treatment Project* (Project No. C1700194) which currently has a total of \$1,266,194.59 in unencumbered funds.

RECOMMENDATION:

Staff recommends that the Water Board make the following motion:

- Approve the Change Order No. 5 to Contract No. 1723 with Myers & Sons, LLC in the amount of TWO HUNDRED THIRTY-EIGHT THOUSAND TWO HUNDRED THIRTY-THREE AND 83/100 DOLLARS (\$238,233.83) and authorize the General Manager to execute the change order.

Respectfully submitted,



Kevin T. Stewart, P.E.

Director of Water Reclamation

Attachments – Change Order No. 5 to Contract No. 1723

sdm:kts

CONTRACT NO. 1723
CHANGE ORDER NO. 5

DATE: January 15, 2025

OWNER: City of San Bernardino Municipal Water Department

CONTRACTOR: MYERS AND SONS CONSTRUCTION, LLC

PROJECT: TERTIARY TREATMENT SYSTEM PROJECT (CO 00194)

You are hereby requested to make the following described changes and/or additions to the project scope of work:

Item No.	Description Changes and/or Additions	Decrease Contract Price (Contract Time)	Increase Contract Price (Contract Time)
1	UV Redesign		\$187,306.19
2	Tracer wire valve cans and lids		\$2,983.38
3	Electrical studies		\$5,423.40
4	Tertiary Reservoir floor repair		\$8,890.17
5	Drain extension		\$8,420.46
6	Chemical skid check valves		\$754.98
7	Canopy column pads		\$16,390.46
8	Manhole coating		\$7,067.93
9	Air release riser extension		\$1,526.86
10	Disc filter seismic expansion		\$8,000.00
11	Credit for unauthorized hours	-\$3,530.00	
12	Credit for not reinstalling BFV	-\$5,000.00	
	TOTAL		\$238,233.83
Original Contract Amount			\$13,844,000.00
Contract Amount Prior To This Change Order			\$14,083,356.61
Net Increase Due To Change Order No. 1			\$15,387.80
Net Increase Due To Change Order No. 2			\$7,696.05
Net Increase Due To Change Order No. 3			\$216,272.76
Net Increase Due To Change Order No. 4			\$0.00
Net Increase Due To This Change Order			\$238,233.83
Net Contract Amount, Including This Change Order			\$14,321,590.44
Net Change in Contract Price			1.72%

The additional work contained with this Change Order can be performed incidental to the prime work and any Change Order work issued to date and is able to be completed concurrently with remaining work to be performed under the items of the Contract, without interference or delay to the Contractor. The work required by the Change Order can be completed within the time allotted

Contract No. 1723
Change Order No. 5

for the original Contract plus the extensions to the Contract time made by this and any previously issued Change Orders.

The amounts indicated above shall be compensation in full for the work described including all direct and indirect, incidental, or consequential costs or expenses, including but not limited to, extended overhead and other impact costs that have been or will be incurred by the Contractor.

The total Contract time is extended by fifty-seven (57) calendar days.

ACCEPTED BY: _____ DATE: _____
REPRESENTATIVE
MYERS AND SONS CONSTRUCTION, LLC

RECOMMENDED BY: _____ DATE: _____
REPRESENTATIVE
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

RECOMMENDED BY: _____ DATE: _____
DIRECTOR OF WATER RECLAMATION
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

APPROVED BY: _____ DATE: _____
GENERAL MANAGER
CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
(or)
PRESIDENT, WATER BOARD
CITY OF SAN BERNARDINO

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 1 BREAKDOWN**

Description: UV Redesign

Reason: The specifications required the Contractor to chose between two (2) approved UV suppliers. The UV design included in the contract was based on one of these approved suppliers. However, the Contractor's supplier is different than that of the drawings. As a result, a UV re-design was required. The revised design includes additional wall height, rebar, grating, grating able, concrete, electrical, valves and mechanicals, etc. which all had to be incorporated into the original design. . The price includes all labor, equipment, and materials to perform the work.

Prior Approval: Robert Lindberg; Kevin Stewart; Miguel Guerrero

Contractors

Proposed Cost: \$187,306.19

Total Cost: \$187,306.19

Time Extension: 46 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 2 BREAKDOWN**

Description:	Tracer wire valve cans and lids
Reason:	In accordance with the drawings, tracer wire is to be installed without termination points. The Department requested 4/O Copper XHHW-2 tracer wire with valve can lids at each end of the wire and each terminal end. This was omitted from the drawings. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	\$2,983.38
Total Cost:	\$2,983.38
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 3 BREAKDOWN**

Description: Electrical studies

Reason: After the required electrical studies of the existing electrical system of the WRP were completed, it was determined that a fused disconnect for the Power Distribution Center would be required. The price includes all labor, equipment, and materials to perform the work.

Prior Approval: Robert Lindberg; Kevin Stewart; Miguel Guerrero

Contractors

Proposed Cost: \$5,423.40

Total Cost: \$5,423.40

Time Extension: 0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 4 BREAKDOWN**

Description:	Tertiary Reservoir floor repair
Reason:	Upon floor clean-up of the Tertiary Reservoir, floor cracks were discovered. As such, the existing sealant/epoxy was removed to repair these areas. The cracks were ground, primed, and installation of backer rod and Sika Flex was completed. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors	
Proposed Cost:	\$8,890.17
Total Cost:	\$8,890.17
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 5 BREAKDOWN**

Description:	Drain extension
Reason:	The Contractor had to extend the 10” Plant Drain Manhole an additional 4.46 feet. The existing pipe was at a deeper level in the field than what was shown in the drawings. As such, additional excavation and additional manhole riser costs were encountered. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	\$8,420.46
Total Cost:	\$8,420.46
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 6 BREAKDOWN**

Description:	Chemical skid check valves
Reason:	The check valve manufacturer, DXP, recommended a change to the valves to improve the footprint of the skids. If a pump goes offline, the new check valves will maintain the same pressure applied to the others. The valves also prevent any backflow through other pumps that are on standby. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	\$754.98
Total Cost:	\$754.98
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 7 BREAKDOWN**

Description:	Canopy column pads
Reason:	The canopy foundation structure was changed from brace frame column pads to grade beams. As such, additional costs for concrete forming and rebar were encountered. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors	
Proposed Cost:	\$16,390.46
Total Cost:	\$16,390.46
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 8 BREAKDOWN**

Description: Manhole coating

Reason: The Contractor encountered two (2) manholes on site that were at incorrect elevations. As a result, additional coating costs had to be applied to the additional manhole risers. The price includes all labor, equipment, and materials to perform the work.

Prior Approval: Robert Lindberg; Kevin Stewart; Miguel Guerrero

**Contractors
Proposed Cost:** \$7,067.93

Total Cost: \$7,067.93

Time Extension: 0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 9 BREAKDOWN**

Description:	Air release riser extension
Reason:	Upon the Department's request, the air release manhole cover was changed. This required an additional manhole riser to extend 18" out of the ground. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors	
Proposed Cost:	\$1,523.86
Total Cost:	\$1,526.86
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 10 BREAKDOWN**

Description:	Disc filter seismic expansion
Reason:	The size of the disc filter pads had to be increased by 18% because of required seismic calculations. The increase also required additional forming, rebar and concrete. The price includes all labor, equipment, and materials to perform the work.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors	
Proposed Cost:	\$8,000.00
Total Cost:	\$8,000.00
Time Extension:	11 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 11 BREAKDOWN**

Description:	Credit for unauthorized hours
Reason:	The CIPP lining subcontractor, Insituform, failed to follow the approved Method of Plant Operation. Thus, resulting in unauthorized overtime from the Construction Management Consultant, Ardurra. As such, a credit in the amount of \$3,530.00 for these unauthorized extended hours was issued to the Department.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	(\$3,530.00)
Total Cost:	(\$3,530.00)
Time Extension:	0 Calendar Days

**CONTRACT NO. 1723
CHANGE ORDER NO. 5
ITEM NO. 12 BREAKDOWN**

Description:	Credit for not re-installing BFV
Reason:	The Contractor was directed to not complete the reinstallation of the BFV previously removed from the southern access point before Insituform lining the pipe. Thus, resulting in a credit to the Department in the amount of \$5,000.00. However, the Contractor still billed for the material that was required and turned over to the Department.
Prior Approval:	Robert Lindberg; Kevin Stewart; Miguel Guerrero
Contractors Proposed Cost:	(\$5,000.00)
Total Cost:	(\$5,000.00)
Time Extension:	0 Calendar Days