



July 12, 2022

Mr. Alex Damien, P.E.
Interim Director of Public Works

City of Waukesha
130 Delafield Street
Waukesha, WI 53188-3616

Re: Change Order No. 2
Return Flow Pump Station and Advanced Phosphorus Treatment with Facilities Enhancement for
Clean Water Plant.
City of Waukesha, Wisconsin

Dear Mr. Damien:

Enclosed are three copies of Change Order No. 2 and documentation for the change order items for your review and approval. If these items are acceptable, please sign and return all copies to Jacobs. This letter also summarizes the included Change Order. There are three Clean Water Fund Loans related to the project:

Total Contract Amount (Includes change order 1): \$17,424,113.20

Clean Water Fund Loan: CWFL #4062-05 & 4062-11 – Return Flow Pump Station – Contract Value:
\$8,218,710.93.

Contingency allowable 5% of loan application \$410,935.54

- Built-in contract amount of \$117,000, after change order #1 balance is \$114,856.91.
- Remaining loan contingency available is \$293,935.

Clean Water Fund Loan: CWFL #4062-07 – Advanced Phosphorus Treatment and Facilities
Enhancements – Contract Value: \$9,205,402.27 after change order #1.

Contingency allowable 5% of loan application \$445,518.26

- Built-in contract amount of \$63,000, remaining amount after change order #1 is \$62,635.49.
- Remaining loan contingency available \$382,520; after change order #1 balance is \$87,482.80



Below itemizes the change order for the Return Flow Pump Station and Advanced Phosphorus Treatment and Facilities Enhancement loan applications.

1.2 Return Flow Pump Station – CWFL #4062-05 & #4062-11

Item 1.2A: This item includes the cost to demolition of an existing 12” concrete channel wall, the addition of an extended stoop and addition of roofing to match insulation taper. Add: \$4,244.32.

There is no increase beyond what would have been included in the bid had the work been shown on the bidding documents.

Item 1.2B: This item includes the cost for providing a NG regulator on the line feeding the new emergency generator. Add: \$1,781.64.

There is no increase beyond what would have been included in the bid had the regulator been shown on the bidding documents.

Item 1.2C: This item includes cost for providing power to the overhead door in building 325. Add \$6,105.30.

There is no increase beyond what would have been included in the bid had the electrical work been shown on the bidding documents.

Item 1.2D: This item is a credit for elimination of power conduit in trench from generator to building 325. Credit of \$6,648.

Item 1.2E: This item includes cost for providing temporary piping to exercise the return flow pumps prior to commencement of discharge to the Root River. Add: \$4,666.20.

Item 1.2F: This item includes cost to provide a load bank test on the generator. Add: \$4,641.81.

There is no increase beyond what would have been included in the bid had the work been included in the bidding documents.

CWFL #4062-05 & #4062-11 Total Return Flow Pump Station – Change Order Items:

\$14,791.27

This component is a zero-cost change order to the CWFL #4062-05 & #4062-11.

This change order does reduce the amount of the built-in contingency by \$14,791.27.



Built in Contingency balance \$114,856.91 - \$14,791.27 = \$100,065.64 remaining with a zero-cost increase to the contract.

2.2 Advanced Phosphorus Treatment and Facilities Enhancement – CWFL #4062-07

Item 2.2A: This item is a credit for allowing schedule 80 CPVC in lieu of glass-lined DI piping as specified. Schedule 80 CPVC is an acceptable alternative. Deduct: -\$20,000

Item 2.2B: This item includes cost to remove existing concrete mixer stands from floc basins that were not identified on the drawings. Add: \$7,320.56.

There is no increase beyond what would have been included in the bid had the concrete stands had been shown on the bidding documents.

Item 2.2C: This item includes cost for grinding and welding overhead door jambs that were deteriorating. Add: \$6,351.24.

There is no increase beyond what would have been included in the bid had work been shown on the bidding documents.

Item 2.2D: This item includes cost for modifying railing and checker plate at the top of building 110. Add: \$1,747.30.

There is no increase beyond what would have been included in the bid had the work been shown on the bidding documents.

Item 2.2E: This item includes cost to replace specified medium voltage cable no longer available. Add \$3,425.42.

There is no increase beyond what would have been included in the bid had that cable been specified in the bidding documents.

Item 2.2F: This item includes cost to relocate copper piping in the lower level of the filter building. Add: \$3,861.28.

There is no increase beyond what would have been included in the bid had piping work been shown on the bidding documents.



CWFL #4062-07 Total Advanced Phosphorus Treatment and Facilities Enhancement Change Order
Items: \$2,705.80

Built in Contingency balance \$62,635.49- \$2,705.80 = \$59,926.69 remaining with a zero-cost increase to the contract.

3.2 Contractual Schedule

Item 3.2A:

Milestone No. 1 is for completion of the advanced phosphorus treatment portion of the project. The original substantial completion date was December 12, 2021. Change order 1 revised the completion of the work to January 31, 2022 and the contractor met this deadline. The plant is currently meeting the lower permitted phosphorus limits.

Item 3.2B:

Milestone No. 2 is for the completion of the return flow pump station related work and other facility enhancements. The original substantial completion date was April 1, 2022. Change order 1 revised the completion of the work to May 21, 2022. This item will add 221 days to extend the completion of the work. Due to supply chain delays in delivering equipment to complete the work associated with the return flow pumps and associated equipment, the additional time will be utilized to complete and properly test the equipment. The new substantial completion date for Milestone No. 2 is December 30, 2022.

Item 3.2C:

Final Completion is completion of the entire project including project close out and any punch list items. The original final completion date was June 12, 2022, for both milestone 1 and 2. Change order 1 revised the Final Completion date to August 1, 2022, for both milestone 1 and 2.

This item will add 192 days to final completion for milestone 1 and 2. The new Final Completion date is January 30, 2023.

Please call Andrew Schrank (920-912-7530) with any questions.

Sincerely,
Jacobs Engineering Group
Andrew Schrank, P.E.