

December 28, 2022

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

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

Re: Change Order No. 3
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. 3 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 four Clean Water Fund Loans related to the project:

Total Contract Amount (Includes change order 1 and 2): \$17,424,113.20

Clean Water Fund Loan: CWFL #4062-05 & 4062-11 & 4062-13 – 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 and #2 balance is \$100,065.64.
- Remaining loan contingency available is \$293,935.54

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 and #2 is \$59,926.69
- 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 & 4062-13

Item 1.3A: This item includes the cost to add 24" butterfly valve on return flow discharge pipe allowing isolation of surge tank for maintenance. Add: \$20,647.94.

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

Item 1.3B: This item includes the cost for enclosures and for HVAC VFD units. Add: \$3,790.23

The VFD manufacturer recommended enclosures for dust protection.

Item 1.3C: This item includes additional pipe supports and fan supports in building 325. Add \$2,712.77

Additional supports were required to avoid bridge crane conflicts.

Item 1.3D: This item includes cost for providing an extended fiber cable to building 320. Add \$4,107.32.

Extra Fiber length required to be spliced once the new 325 building was completed.

Item 1.3E: This item is a credit for elimination of a harmonic study not required for building 325. Credit of \$1,000.00.

Item 1.3F: This item is a credit for elimination of W1 piping and trap primers not required in building 325. Credit of \$6,517.00.

CWFL #4062-05 & #4062-11 & 4062-13 Total Return Flow Pump Station – Change Order Items:
\$ 23,741.26

This component is a zero-cost change order to the CWFL #4062-05 & #4062-11 & 4062-13.

This change order does reduce the amount of the built-in contingency by \$ 23,741.26.

Built in Contingency balance \$100,065.64 - \$ 23,741.26 = \$ 76,324.38 remaining with a zero-cost increase to the contract.

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

Item 2.3A: This item includes cost to change location of providing power to a new ferric pump. Add: \$2,148.57

The owner requested for power to be supplied from a local panel in building 250 in lieu of from building 500 which is further away.

Item 2.3B: This item includes cost to install additional stainless steel ALP piping and fittings in the sand filter building. Add: \$10,419.41.

Additional pipe and fittings were required to route SS pipe to avoid conflicts with lower level blower pipe passing through ceiling and also conflict routing SS pipe to filters No. 7 and 8 as record drawings showed incorrect elevation.

Item 2.3C: This item includes cost to adjust height of launder cover brackets. Add \$4,007.63

As built information differed on the elevation of the covers and some of the brackets had to be redrilled.

**CWFL #4062-07 Total Advanced Phosphorus Treatment and Facilities Enhancement Change Order
Items: \$16,575.61**

Built in Contingency balance \$59,926.69- \$16,575.61 = \$43,351.08 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 substantial completion of the work to January 31, 2022, and the contractor met this deadline. The plant is currently meeting the lower permitted phosphorus limits.

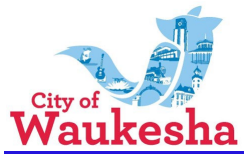
Item 3.2B:

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 2 revised the completion of the work to December 30, 2022. This item adds 152 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 May 31, 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 milestones 1 and 2. Change order 1 and 2 revised the Final Completion of the work to January 30, 2023. This item will add 151 days to Final Completion for milestone 1 and 2. The new Final Completion date is June 30, 2023.

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



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