

January 16, 2024

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

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

Re: Change Order No. 5  
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. 5 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, 2, 3 and 4): \$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.

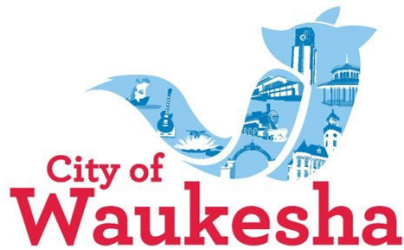
Contingency allowable 5% of loan application \$410,935.54

- Built-in contract amount of \$117,000, after change order #1, #2, #3 and #4 balance is \$76,324.38
- 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, #2, #3 and #4.

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

- Built-in contract amount of \$63,000, remaining amount after change order #1, #2, #3 and #4 is \$43,354.08.



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 1.5.A:** This item includes the cost for adding a backup level sensor in the return flow pump station wetwell at the City’s request. Add \$9,405.00. This item will reduce the general contingency from \$76,324.38 - \$9,405.00 = \$66,919.38.

There is no increase beyond what would have been included in the bid had the backup level sensor had been included in the original bidding documents.

**Item 1.5.B:** This item includes the cost for providing a gas meter at the City’s request to monitor natural gas usage to the generator for proper allocation of utility cost. Add \$14,692. This item will further reduce the general contingency from \$66,919.38 - \$14,692 = \$52,227.38.

There is no increase beyond what would have been included in the bid had the gas meter been included in the original bidding documents

**Item 1.5.C** is item is a credit for remaining Unit Price - Unsuitable Foundation Materials-Structures and Roads. Credit of \$7,000.00.

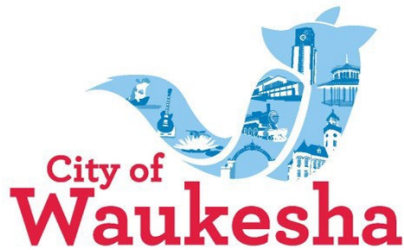
**Item 1.5.D:** This item is a credit for remaining Unit Price - Unsuitable Foundation Materials – Trenches. Credit of \$6,250.00.

**Item 1.5.E:** This item is a credit for remaining Unit Price - Concrete Repair. Credit of \$1,320.00.

**Item 1.4.F:** This is item is a credit for remaining Instrumentation and Control Programming Allowance. Credit of \$4,955.16.

**Item 1.5.G:** This item is a credit for remaining General Contingency Allowance. Credit of 52,227.38.

**CWFL #4062-05, #4062-11 & #4062-13 Total Return Flow Pump Station – Change Order Items:  
\$-71,752.54**



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**This change order reduces the contract value by \$71,752.54. Revised contract value is \$8,218,710.93 – \$71,752.54 = \$8,146,958.39.**

## **2.2 Advanced Phosphorus Treatment and Facilities Enhancement**

**Item 2.5.A:** This item includes the cost to replace an existing failing flexible connection on an aeration tank zone line discovered during diffuser testing. Add \$12,989.00. This item will reduce the general contingency from \$43,354.08 - \$12,989.00 = \$30,365.08.

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

**Item 2.5.B:** This item is a credit for eliminating 45 ells in FCC and PO lines for clarifiers 3 and 4. Credit of \$751.00.

**Item 2.5.C:** This item is a credit for remaining Unit Price – Unsuitable Foundation Materials-Structures and Roads. Credit of 3,075.00.

**Item 2.5.D:** This item is a credit for remaining Unit Price – Concrete Surface repair. Credit of \$6,122.34.

**Item 2.5.E:** This item is a credit for remaining Unit Price – Concrete Horizontal Surface Repair. Credit of \$14,100.

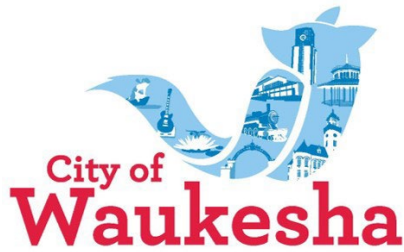
**Item 2.5.F:** This item is a credit for remaining Unit Price – Concrete Repair, Injection Grouting. Credit of \$2,605.05.

**Item 2.5.G:** This item is a credit for remaining Unit Price – Painting. Credit of \$6,000.00.

**Item 2.5.H:** This item is a credit for remaining Hazardous Material Contingency allowance. Credit of \$36,121.76.

**Item 2.5.I:** This item is a credit for remaining General Contingency allowance. Credit of \$30,365.08.

**CWFL #4062-11 Total Advanced Phosphorus Treatment and Facilities Enhancement Change Order Items: \$-99,140.23.**



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This change order reduces the contract value by \$99,140.23. Revised contract value is \$9,205,402.27 – \$99,140.23 = \$9,106,262.04.

### 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. Change order 3 revised the completion of the work to May 31, 2023. Change order 4 revised the completion date to July 31, 2023. This item adds 28 days to extend the completion of the work. Due to the delay in completion and testing of the equipment, the additional time was utilized to complete and properly test the equipment. The new substantial completion date for Milestone No. 2 is now August 28th, 2023, and the contractor has met this deadline. The return flow pump station is now sending water to the Root River on a daily basis.

#### 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, 2, 3 and 4 revised the Final Completion of the work to August 31, 2023. This item will add 182 days to Final Completion for milestone 1 and 2. The new Final Completion date is February 29, 2024.

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

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