

**CITY OF ORONOCO**

**RESOLUTION TO APPROVE  
WWTF CONTRACT 1  
CHANGE ORDER #1**

**WHEREAS**, the Contractor engaged under the WWTF Contract 1, Staab Construction Corporation, has submitted documentation supporting items compiled as Change Order #1; and

**WHEREAS**, the consulting City Engineer has reviewed the items compiled as Change Order #1 and finds the items sufficient for consideration; and

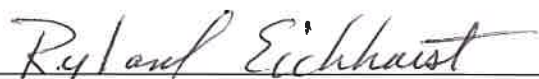
**WHEREAS**, the amount considered under Change Order #1 results in a \$49,110.00 net deduction from the original contract amount;

**WHEREAS**, a summary of the details of Change Order #1, consisting of four (4) pages has been prepared by consulting engineering firm Stantec, dated October 6, 2022, a copy of which is attached hereto and made an integral part of this resolution;


**NOW, THEREFORE, BE IT RESOLVED** that the Oronoco City Council adopts this resolution approving Change Order #1 to the WWTF Contract 1 as awarded to Staab Construction Corporation as prepared by the contractor, with review by and on recommendation from the consulting City Engineer;

**AND BE IT FUTHER RESOLVED** that the City Administrator or her designee is authorized to take steps necessary for the implementation of this Resolution.

COUNCIL MEMBER	AYE	NAY	ABSTAIN	ABSENT
Ryland Eichhorst, Mayor	X			
Jim Phillips, Vice Mayor	X			
Dana Bergner	X			
Jim Richards	X			
Carl Krause				X

  
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Ryland Eichhorst, Mayor

**ATTEST:**

  
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Sunny Bjorklund Schultz, City Administrator



Owner: City of Oronoco, 5115 2nd Street NW, P.O. Box 195, Oronoco, MN	Date	October 6, 2022
Contractor: Staab Construction Corporation, 1800 Laemie Ave, Marshfield, WI 54449		

**CHANGE ORDER NO. 1**

Cronoco Regional Wastewater Treatment Facility

MPCA PROJECT NO. 279777

STANTEC PROJECT NO. 193804989

**Description of Work**

During the construction of the Oronoco WWTF, the City of Oronoco and Staab Construction (Staab) have identified a number of modifications to the Construction documents that would be beneficial to the construction of the project and future operation and maintenance of the infrastructure under construction. These modifications have been incorporated into this Change Order to document the agreed upon modifications and methods of payment. These modifications are described as follows:

**Item A - Federal Wage Rate Decisions:** Federal Wage Building Decision (modification #4) in the Oronoco WWTF Project Manual was slightly out of date at the time of bidding and must be updated to modification #6 (published on 8-20-21). Similarly, the Federal Heavy decision (modification #0) in the Project Manual was slightly out of date at the time of bidding and must be updated to modification #1 (published on 8-6-21). The correct Federal Wage Rate Decisions were provided to Staab Construction at the Preconstruction meeting. Subsequently, Staab reviewed the correct wage decisions and compared every wage rate (including subcontractors) and determined that the State wage rates are equal to or higher than the updated Federal wages provided. Therefore, no change in pricing is needed. As a result, Staab agreed to utilize the correct wage rates and this change order documents this agreement and amends the contract to include the correct Federal Wage Rate Determinations attached to this change order.

**Item B - Staab Change Order Request #1 - CIP / Precast Foundation Modification:** After award of the construction contract, Oronoco directed Stantec to work with the Staab Construction to identify Value Engineering options to reduce construction costs without negatively impacting the Wastewater Treatment Facility (WWTF) construction quality, schedule, or capability. This value engineering change includes replacement of the precast concrete wall panels below the finish floor elevation in the Pre-treatment Building B, Pre EQ / SBR / Post EQ Tanks (C), Tertiary Building (D), and Sludge Storage Building (E) with reinforced cast-in-place concrete walls for a total construction cost deduction of \$33,500. This deduction includes an \$8,500 credit to cover Engineering Costs for modification of construction plans and details required for this change. The City will pay Stantec directly for the engineering work required to facilitate this item. Item was proposed by Staab to avoid delays associated with procurement of reinforced concrete panels and was subsequently reviewed and accepted by the City and incorporated into revised construction plans issued as part of Work Change Directive #1 and #2. This value engineering change reduces lead times for the contractor and facilitates more efficient construction of the structures.

**Item C - Staab Change Order Request #2 - CIP / Precast Walkway:** After award of the construction contract, Oronoco directed Stantec to work with the Staab Construction to identify Value Engineering options to reduce construction costs without negatively impacting the Wastewater Treatment Facility (WWTF) construction quality, schedule, or capability. This value engineering change includes replacement of the precast concrete walkways over the Pre EQ / SBR / Post EQ Tanks (C) with cast-in-place concrete walkways for a total construction cost deduction of \$40,000. This item was proposed by Staab and subsequently reviewed and accepted by the City and incorporated into revised construction plans issued as part of Work Change Directive #1 and #2.

**Item D - Staab Change Order Request #3 - Precast concrete panel width and layout modifications:** After award of the construction contract, Oronoco directed Stantec to work with the Staab Construction to identify Value Engineering options to reduce construction costs without negatively impacting the Wastewater Treatment Facility (WWTF) construction quality, schedule, or capability. This value engineering change includes modification of precast concrete panel width and layouts to reduce construction costs and facilitate installation resulting in a total construction cost deduction of \$40,000. This item was proposed by Staab and subsequently reviewed and accepted by the City and incorporated into revised construction plans issued as part of Work Change Directive #1 and #2.

**Item E - Staab Change Order Request #5 – Work Change Directive #1 and #2 modifications:** Work Change Directive #1 and #2 address both Building Official plan review comments received on February 9, 2022 and the Value Engineering (Staab Change Order Requests 1, 2 and 3). Work Change Directives #1 and #2 include construction plan drawing modifications as required to document the required changes. These changes resulting in a total construction cost addition of \$90,808,000. Work included in this item is itemized in the attached Staab change order request #5 and generally includes: fire resistance and suppression modifications, structural modifications conforming to Structure Risk Category III, additional waterproofing and insulation, additional egress exterior lighting, exit route reconfigurations, modifications in precast concrete panel design to accommodate connection detail at cast-in-place structure and other miscellaneous modifications.

**Item F - Staab Change Order Request #6 – Pretreatment Building grout elevations modifications:** During review of shop drawing submittals, it was noted that the screen manufacturer required some grouting modifications in the pretreatment channel. These modifications provided slope to the channels and therefore allowed for the elimination of drain lines and valves in both channels. These modifications were incorporated into the project via Field Order #1 (attached to this change order) and resulting in a total construction cost deduction of \$5,281.

**Item G - Staab Change Order Request #7 – Hatch modifications and Bollards:** During review of hatch shop drawing submittals, it was noted that changes to both the Effluent and Dain Lift station & valve vault structure hatches were required to meet precast concrete slab manufacturing requirements. As a result, the live load requirement for these two structures was decreased to 300 PSF and a credit for this change is being provided by the contractor. In addition, four bollards shall be added to the protect (two at each structure) to better protect the hatches from accidental vehicle loading. Also, the need for an additional 4'x5' aluminum hatch was identified in the pretreatment building. The hatch was inadvertently excluded from the hatch schedule included in Addendum #3 but is included in drawing SE 102. These changes resulting in a total construction cost addition of \$8,402.

**Item H - Staab Change Order Request #8 – Replace DIP within structures with 316 Stainless Steel (SS):** This change includes eliminating interior structure DIP and fittings throughout the WWTF and replacing them with 316 Stainless Steel pipe, fittings and appurtenances. This change order item includes eliminating painting the DIP pipe and fittings and accepts color banding of the SS pipe. This change order item significantly decreases DIP and fitting material lead times, allows the project to proceed within the project schedule outline in the original contract, and results in a total construction cost addition of \$20,000.

**Item I - Staab Change Order Request #9 – Delete Flanged DIP wall pipe penetrations and allow stainless steel sleeves with Linkseal:** After award of the construction contract, Oronoco directed Stantec to work with the Staab Construction to identify Value Engineering options to reduce construction costs without negatively impacting the Wastewater Treatment Facility (WWTF) construction quality, schedule, or capability. This value engineering change includes modification for how Ductile Iron Pipe (DIP) penetrations through structure walls are to be constructed. This change order item eliminates the use of flanged DIP wall pipe and allows the contractor to construct the DIP wall penetrations using a stainless steel wall sleeve with Linkseal for a total construction cost deduction of \$40,000. This item was proposed by Staab and subsequently reviewed and accepted by the City and incorporated into revised construction plans issued as part of Work Change Directive #1 and #2.

**Item J - Staab Change Order Request #10 – Modification to hollow core concrete plank on SBR roof:** After award of the construction contract, Oronoco directed Stantec to work with the Staab Construction to identify Value Engineering options to reduce construction costs without negatively impacting the Wastewater Treatment Facility (WWTF) construction quality, schedule, or capability. This value engineering change includes modification of the hollow core concrete plank roof over a section of the SBR. This change order item allows for the installation of 12" thick hollow core concrete plank in lieu of the 8" thick hollow core concrete plank specified results in construction cost deduction of \$1,183.

**Item K - Staab Change Order Request #11 – Admin Building Flooring Changes:** During review of flooring shop drawings and color samples for the administrative building, the City determined that changes to some of the specified flooring systems were needed to reduce long term maintenance costs. The Admin building hallway, breakroom and Lab / Office flooring systems shall be changed from the specified Resilient Sheet Flooring (RSF) and clear concrete finish to a decorative Flake Epoxy coating system selected by the owner. These changes resulting in a net total construction cost addition of \$1,544.

**Item L - Nexom Cloth Filter equipment substitution:** Nexom will be ceasing production of their Infini-D Cloth Filter, which was originally specified for use in the Tertiary Treatment Building during the design and bidding phase of the Oronoco WWTF. Nexom has proposed to replace this unit with their MITA Cloth Filter. Stantec has reviewed the technical details for this equipment (attached) and the MITA model appears to meet or exceed the specifications of the Infini-D model and we understand will be better supported by Nexom moving forward. Nexom and Staab will furnish and install the MITA Cloth Filter for no additional construction cost to the City and will also participate in the additional engineering costs associated with this change. The engineering costs associated with this change are \$9,900 and are incorporated into this change order as a net deduct. The City will pay Stantec directly for any all additional engineering efforts associated with this change.

The following tabulations summarizes the contract cost additions / deductions associated with change order items A through N. Fifteen (15) calendar days shall be added to the contract Substantial Completion date and Final Completion dates as a result of the additions and modifications of the work discussed within this Change Order No. 1. Milestone completion dates will not be amended.

No.	Item Description	Unit	Contract Quantity	Unit Price	Total Amount
<b>CHANGE ORDER NO. 1</b>					
1	COR-001 - CIP / Precast foundation modification	LS	1	(\$33,500.00)	(\$33,500.00)
2	COR-002 - Change from Precast to Cast-in-place elevated walkway	LS	1	(\$40,000.00)	(\$40,000.00)
3	COR-003 - Precast concrete panel width and layout modifications	LS	1	(\$40,000.00)	(\$40,000.00)
4	COR-005 - Work Change Directive #1 and #2 Modifications	LS	1	\$90,808.00	\$90,808.00
5	COR-006 - Pretreatment Building channel grout elevations modifications	LS	1	(\$5,281.00)	(\$5,281.00)
6	COR-007 - Hatch modifications and Bollards	LS	1	\$8,402.00	\$8,402.00
7	COR-008 - Replace DIP within structures with 316 Stainless Steel	LS	1	\$20,000.00	\$20,000.00
8	COR-009 - Delete Flanged DIP wall pipe penetrations and allow stainless steel sleeves with Linkseal	LS	1	(\$40,000.00)	(\$40,000.00)
9	COR-010 - Modification to hollow core concrete plank on SBR roof	LS	1	(\$1,183.00)	(\$1,183.00)
10	COR-011 - Admin Building Flooring Changes	LS	1	\$1,544.00	\$1,544.00
11	Nexom Cloth Filter equipment substitution	LS	1	(\$9,900.00)	(\$9,900.00)
<b>TOTAL CHANGE ORDER NO. 1:</b>					<b>(\$49,110.00)</b>

Original Contract Amount	\$20,667,000.00
Previous Change Orders	\$0.00
This Change Order	<u>(\$49,110.00)</u>
Revised Contract Amount (including this change order)	\$20,617,890.00

**CHANGE IN CONTRACT TIMES**

Original Contract Times:  
 Substantial Completion (days or date): October 15, 2023  
 Ready for final Payment (days or date): January 30, 2024

Revised completion Dates per this Change Order:  
 Substantial Completion date): October 30, 2023  
 Ready for final Payment date: February 15, 2024

Contract Time with all approved Change Orders:  
 Substantial Completion (days or date): October 30, 2023  
 Ready for final Payment (days or date): February 15, 2024

Recommended for Approval by:

**STANTEC**


Joseph Palen, Oronoco City Engineer

  
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Date: 10-6-2022

Approved by Contractor:

**Staab Construction Company**  
 Corporation

  
 Kevin J. Leick, Sr. Vice  
 President

10-6-22  
 Date

Approved by Owner:

**City of Oronoco**

\_\_\_\_\_  
 Date

cc: Owner, Contractor and Stantec

Attachments:

- 1 - Wage Rates -MN20210036 Heavy modification 1
- 2 - Wage Rates - MN20210123 Building modification 6
- 3 - Oronoco WWTF Work Change Directive #1 with Summary attachment
- 3.1 - Combined WCD1 Architectural, Structural and Electrical Drawings
- 3.2 - Building Official WWTP Buildings Review Comment and Stantec Responses
- 4 - Work Change Directive #2 (with attachments)
- 5 - Staab Change Order requests (PC 1-11, 4 & 13 declined) Includes Field Order 1
- 6 - Shop Drawing 035.C - Meta Cloth Media Filters