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P: 866.454.3923 www.c2ae.com

Change Order #15

DATE OF ISSUANCE: **07/30/2025**

EFFECTIVE DATE: **Effective on Funding Agency Approval**

OWNER: **City of Gladstone, MI**
CONTRACTOR: **Staab Construction Corporation**
CONTRACT: **SRF Project #5727-01**
PROJECT: **Gladstone, MI Wastewater Treatment Plant Improvements**
OWNER'S CONTRACT NO. **21-0210**
ARCHITECT/ENGINEER'S CONTRACT NO. **21-0210**
ARCHITECT/ENGINEER **C2AE, Escanaba & Lansing, MI**

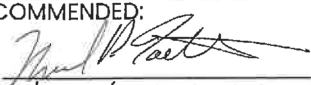
You are directed to make the following changes in the Contract Documents:
Description: **See items below.**

Reason for Change Order: **See items below.**

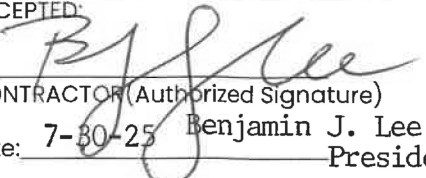
Attachments: WCD #17 dated 10/03/2024 with revised sketch of B21.1, Contractor Response dated 07/15/2025; WCD #18 dated 04/14/2025, Contractor Response dated 04/17/2025; WCD #19 dated 04/22/2025, Contractor Response dated 07/01/2025; WCD #20 dated 06/04/2025 with attachments 1) Williams and Works 1972 Record Drawing and 2) Photo from inside cover, one copy of Contractor Response of "Extra Work Log" dated 07/03/2025 that suffices for WCD #20 and WCD #21; WCD #21 dated 06/19/2025, Contractor Response of "Extra Work Log" dated 07/03/2025 mentioned above that suffices for WCD #21 as well as WCD #20; Contractor's email dated 07/24/2025 request/explanation for increase in Contract Times.

CHANGE IN CONTRACT PRICE:
Original Contract Price \$17,743,000.00
Net Increase from previous Change Orders No. 1 to 14: \$486,069.25
Contract Price prior to this Change Order: \$18,229,069.25
Net increase of this Change Order: \$56,977.00
Contract Price with all approved Change Orders: \$18,286,046.25

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: April 15, 2024 Ready for final payment: June 24, 2024
Net change from previous Change Orders No. 1 to No 14: Substantial Completion: 11 Months and 12 Days Ready for final payment: 10 Months and 10 Days
Contract Times prior to this Change Order: Substantial Completion: March 26, 2025 Ready for final payment: May 5, 2025
Net increase this Change Order: Substantial Completion: 97 Days Ready for final payment: 148 Days
Contract Times with all approved Change Orders: Substantial Completion: July 1, 2025 Ready for final payment: September 30, 2025

RECOMMENDED:
By: 
ARCH/ENGR (Authorized Signature)
Date: **07/30/2025**

APPROVED:
By: _____
OWNER (Authorized Signature)
Date: _____

ACCEPTED:
By: 
CONTRACTOR (Authorized Signature)
Date: **7-30-25** Benjamin J. Lee,
President

1. Work Change Directive (WCD) #17: **Modifications to Change Order 12, item 1.a., B21.1** –Additional piping, with insulation and hose bibb to service the raw sewage wet well for cleaning purposes.

Attachments: Revised sketch of B21.1.

Reason: The owner requested this change for ease in cleaning the wet well.

Increase the contract in the amount of: \$ 1,363.00

2. Work Change Directive (WCD) #18: **Sheet S-701 details a new hatch for the primary digester which is set on an existing concrete access way. Two sides of the existing hatchway are proposed to be replaced. The other two walls of the access way are proposed to stay in place.** After further review of the existing concrete, especially the top of the remaining walls, it is determined that the Contractor shall perform the work described as follows. The Contractor shall remove sufficient depth and width of concrete from all four walls as needed and rebuild with new concrete to facilitate proper installation of the digester hatch. Contractor shall verify that the proposed hatch installation will be gas tight.

Reason: The existing hatchway was found to be larger than shown on the plans. To facilitate using the proposed hatch, the hatchway needed to be enlarged.

Increase the contract in the amount of: \$ 1,970.00

3. Work Change Directive (WCD) #19: **In the course of the proposed work in the primary digester, infiltration was noticed.** The contracted is directed to repair the cracks and make the primary digester watertight, using the same method as the allowance for concrete crack repair.

Reason: Once the existing primary digester was drained and cleaned. Small leaks were noticed and needed to be appropriately repaired.

Increase the contract in the amount of: \$ 11,640.00

4. Work Change Directive (WCD) #20: **While the primary digester was taken out of service, small cracks were observed on the floor, walls, and ceiling.** WCD 19 addressed these issues. As work began in the ceiling of the primary digester, voids were noted, indicating further investigation. The Contractor is directed to investigate the extent of the degraded concrete; core existing roof to determine extent of voids, including limited demolition of concrete box above roof; remove degraded concrete; and patch as directed by the Engineer. The top of the existing concrete box shall be filled with closed cell foam with a 4" non-reinforced concrete cover.

Attachments: 1) Williams and Works 1972 record drawing. 2) Photo from inside cover.

Reason: The purpose of this Work Change Directive is to repair the existing top slab of the primary digester. The concrete cover was found to be degraded around existing concrete embedded I-beams. This allowed sludge to come in contact with the reinforcing steel and I-beams and would allow methane to escape.

Increase the contract in the amount of: (See cost below. Work for WCD 20 and WCD 21 was combined as it involved the same work area.)

Work Change Directive (WCD) #21: **Delete application of the specified high-performance coating on the interior of the primary digester on all concrete surfaces.** Coat the freshly poured exterior concrete pad which caps off what was previously void space near the center of the primary digester.

Reason: The purpose of this Work Change Directive is to delete the proposed interior high-performance coating from the concrete of the primary digester and add exterior coating to the concrete pad covering which was previously void space. Dehumidification efforts have been unsuccessful in achieving the required moisture content of the concrete to apply the coating.

Increase the contract regarding WCD #20 and WCD# 21 in the amount of: \$ 42,004.00

- 5. Request for Contract Time extension due to construction obstacles not in Contractor’s control (high ground water levels).** Request for Substantial Completion to be adjusted to 07/01/2025 and Final Completion to 09/30/2025 to allow for ground water levels to recede and painting to be completed in the Primary Digester.

Reason: Delays beyond the Contractor’s control.

Increase/Decrease the contract in the amount of: \$0.00

TOTAL: \$56,977.00

WORK CHANGE DIRECTIVE NO.: Seventeen (17)

Owner:	City of Gladstone, MI	Owner's Project No.:	21-0210
Engineer:	C2AE, Escanaba & Lansing, MI	Engineer's Project No.:	21-0210
Contractor:	Staab Construction	Contractor's Project No.:	-----
Project:	Gladstone, MI, Wastewater Treatment Plant Improvements SRF No. 5727-01		

Date Issued:	10/03/2024	Effective Date of Work Change Directive:	10/03/2024
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Contractor is directed to proceed promptly with the following change(s):

Description: Modifications to Change Order 12, item 1.a, B21.1 – Additional piping, with insulation and hose bibb to service the raw sewage wetwell for cleaning purposes.

Attachments: Revised sketch of B21.1.

Purpose for the Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

☐ Non-agreement on pricing of proposed change. ☐ Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ _____

Contract Time: 0 days

Basis of estimated change in Contract Price:

☒ Lump Sum ☐ Unit Price ☐ Cost of the Work ☐ Other

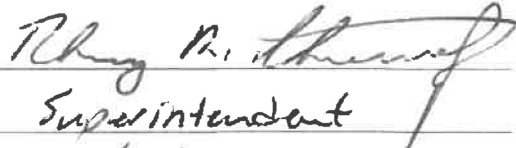
Recommended by Engineer

By: 

Title: Project Manager

Date: 10/08/2024

Authorized by Owner


Superintendent
4/14/2025