



Escanaba, MI Lansing, MI
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Change Order #10

DATE OF ISSUANCE: **06/14/2024**

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: **Bulletin #18 with Staab quotes dated 05/13/2024; Bulletin #19 with Staab negotiated quote dated 04/24/2024; Bulletin #20 with Contractor Change Order Request 1 signed, and Staab quotes dated 06/12/2024; Work Change Directive #13, dated 05/01/2024.**

CHANGE IN CONTRACT PRICE:
Original Contract Price \$17,743,000.00
Net Increase from previous Change Orders No 1 to 9 \$261,974.00
Contract Price prior to this Change Order: \$18,004,974.00
Net Increase of this Change Order: \$9,082.00
Contract Price with all approved Change Orders: \$18,014,056.00

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. 9 : Substantial Completion: 3 Months Ready for final payment: 2 Months
Contract Times prior to this Change Order: Substantial Completion: July 15, 2024 Ready for final payment: August 15, 2024
Net increase (decrease) this Change Order: Substantial Completion: None Ready for final payment: None
Contract Times with all approved Change Orders: Substantial Completion: July 15, 2024 Ready for final payment: August 15, 2024

RECOMMENDED:
 By: 
 ARCH/ENGR (Authorized Signature)
 Date: 06/14/2024

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

ACCEPTED:
 By: _____
 CONTRACTOR (Authorized Signature)
 Date: _____

1. Bulletin #18:

- a. B18.1 **Connecting the existing garage boilers to the spiral heat exchanger, to provide redundancy to the dual fired boiler.** Add connection to the existing 1.5" PEX line from the garage in the gas handling room. Route piping to the provided 2" isolation valves see sheets MP-203 and M-803 (reissued).

Reason: The Owner requested redundancy for the digester heating system, utilizing the existing garage boilers.

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

- b. B18.2 **Modification of the floor drains and sump pump discharge within the lower service building.** Modifications to the sump SP-3 shall discharge to the existing 4" sanitary, which is connected to the raw sewage wet well. See Sheet PPW-200 (reissued). Modifications to the discharge point of SP-1 and 2 to the Primary Influent Drop Well. Delete core and 3" sanitary piping between the headworks area and lower level sludge pumping room. Boiler room floor drains are to be routed to sump pump SP-4. See Sheet PPW-201 (reissued).

Reason: A conflict with sanitary and process piping required re-routing of the sanitary drain lines.

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

2. Bulletin #19:

- a. B19.1 **Deletion of existing concrete demolition work within the service building lower level.** Delete existing RBC, concrete fillet demolition work under the proposed screen structure and shored deck/grit classifier. Adjust the location of the sump accordingly. See attached sketch snip of sheet SD-201 (Sheet not reissued).

Reason: Concrete fillets shall remain in the designated areas as they will not impact daily operations at the plant. Also helped to maintain the construction schedule due to the extensive efforts required to delete the other fillets.

Decrease the contract in the amount of: \$(6,000.00)

3. Bulletin #20:

- a. B20.1 **Painting the existing brick at the plant.** Prep brick, patch shallow areas of brick, and paint using the following: Primer – Loxon Masonry Primer Sealer. Finish – Two coats of A-100 Exterior Acrylic Coating. Body and trim to match new Administration Building color system.

Reason: Per Owner request to patch spalled brick and coat with paint to preserve the integrity of the exterior brick fascia.

Increase the contract in the amount of: \$25,082.00

4. Work Change Directive #13:

- a. WCD13 **Modifications to the proposed sump pumps SP-1 and SP-2.**

SP-1 FRP can and sump pump shall be turned over to the Owner. A 4" deep sump pit will be cut and set a new skimmer pump.

Finished floor elevation of the slab, where SP-2 is located, shall be flush with the finished floor of the adjacent slab below the grit tank. The slab shall be consistent with Slab-4 within the concrete slab schedule as depicted on sheet S-203 (not reissued), with a thickened edge around the perimeter of the sump. The floor shall be sloped to the sump pit.

Revise controls for sump pumps SP-1 and SP-2. Refer to sheets E-201 and E-202 (not reissued).

- In the Low Level MBBR Room 012 and in the Low Level Treatment Room 010, install the sump pump float switches suspended from the wall mounted bracket furnished with the sump pumps – see attached sketch ESK-18A. Coordinate exact float switch mounting heights with the Owner.

- In the MBBR Room 122 and in the Headworks and Primary Treatment Room 121, furnish and install a two button, start stop pushbutton control station and connect to the respective sump pump control panel with ¾"C, 4#14.
- The Room 122 control station shall be NEMA 12 and the Room 121 control station shall be NEMA 7.
- Coordinate exact control station locations with the Owner. At the sump pump control panel, connect the pushbuttons to manually start and stop the sump pump when depressed.
- Coordinate exact wiring locations within the sump pump control panel with the supplier.
- Relocate Sump Pump SP-2 Control Panel. Refer to sheets E-201 and E-202 (not reissued).
- Relocate the sump pump control panel from where shown in the Low Level Treatment Room 101 on sheet E-201 to the MBBR Room 122 shown on sheet E-202. Coordinate exact control panel location with the Owner.

Reason: Concerns of longevity of the original proposed sump pumps with the high ground water table at the site.

Decrease the contract in the amount of: \$ (10,000.00)

TOTAL **\$ 9,082.00**