



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: February 12, 2024

Eric Buckman, City Manager: _____

Department: Wastewater

Department Head Name: Rodney Schwartz

Presenters: Rodney Schwartz/Darren Pionk Kim Berry, City Clerk: _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: Change Order No. 8 for Wastewater Treatment Plant Improvements.

BACKGROUND: Change order is needed to make changes to the existing contract documents. See supporting documentation for description of work.

FISCAL EFFECT: \$26,198.00 increase in contract price. This will increase the current contract price from \$17,980,370.00 to \$18,006,568.00. Original contract price was \$17,743,000. (\$263,568.00 overall increase, 21.9% of contingency)

SUPPORTING DOCUMENTATION: Please see attached Change Order No. 8 from C2AE Engineering.

RECOMMENDATION: Make a motion to approve Change Order No. 8 as recommended by C2AE Engineering for a net increase to the contract price of \$26,198.00.



Escanaba, MI Lansing, MI
 Gaylord, MI Canton, NY
 Grand Rapids, MI Syracuse, NY
 P: 866.454.3923 www.c2ae.com

Change Order #8

DATE OF ISSUANCE: **01/31/2024**

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**

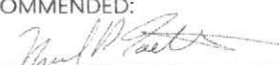
You are directed to make the following changes in the Contract Documents:
 Description: **See Items below.**

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

Attachments: **Bulletin #15 with Contractor Change Order Requests 1 through 5 signed, revised quotes 15.1 (Including emailed instruction) and 15.3, and Staab quotes dated 01/12/2024; Bulletin #16 with Contractor Change Order Request 1 signed and Staab quote dated 01/12/2024; Work Change Directives #8 and Staab signed quote dated 08/24/2023; Work Change Directive #10 and Staab signed quote dated 10/03/2023; Change Order #5 and Change Order #6 showing duplication of Work Change Directive #6.**

CHANGE IN CONTRACT PRICE:
Original Contract Price \$17,743,000.00
Net Increase (Decrease) from previous Change Orders No 1 to 7 \$237,370.00
Contract Price prior to this Change Order: \$17,980,370.00
Net increase (decrease) of this Change Order: \$26,198.00
Contract Price with all approved Change Orders: \$18,006,568.00

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. 7: 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: 01/31/2024

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

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

1. Bulletin #15:

- a. B15.1 **Add Waste Gas Production and Flare Line Meters.** Add 1 – 2" waste gas meter bypass loops with isolation valving, coordinate location with SD 217 digester gas layout comments. A master meter shall be provided after the accumulator. See Sheet G-106 (not reissued).

Reason: Per Owner request production of waste gas produced shall be tracked via the additional meter.

Increase the contract in the amount of: \$17,437.00

- b. B15.2 **Modify the Waste Gas Drip Traps.** All motor actuated drip traps are to be manual lever operated. See Sheet G-106 (not reissued).

Reason: Reconfiguration of the drip traps allowing for access within the gallery for manual operation of the drip traps, allowing for deletion of any controls and automated valve actuators.

Decrease the contract in the amount of: \$(5,119.00)

- c. B15.3 **Various Site Plan Changes.** Grade changes around the Final Settling Tanks. Remove the retaining wall on the east side of the staircase that goes up to the Chlorine Contact Tank and leave at existing grade. Construct the retaining wall to the west of the Chlorine Contact Tank perpendicular to the stairs and sidewalk. Modify proposed stairs to butt up to the Chlorine Contact Tank and modify the rise and tread to match proposed grades. Add handrail to the proposed stairs. See Sheet C-102 (reissued).

Reason: Per Owner request the grades around the FST were adjusted for better maintenance access.

Decrease the contract in the amount of: \$(3,038.00)

- d. B15.4 **Primary Digester Sludge Suction Line Isolation Valve.** Add the demolition of the existing 6" sludge plug valve and installation of the Owner furnished 6" plug valve. See Sketch on Bulletin 15 (B15.4).

Reason: Per Owner request the primary digester sludge isolation valve, within the sump, shall be relocated to the operating floor elevation within the basement.

Increase the contract in the amount of: \$2,643.00

2. Bulletin #16:

- a. B16.1 **Connect Existing Garage to NPW System.** Within the sludge pumping room, connect the existing 1" water line servicing the garage to the 1" NPW line penetrating the ceiling. Provide non-potable labels for piping and faucets and/or hose bibbs within the garage. Work must be coordinated with the Owner to ensure water service to the garage is maintained. See Sheet PPP-201 (not reissued) for more detail.

Reason: NPW water is required in the garage for Boiler makeup water and filling the sewer cleaning truck tanks.

Increase the contract in the amount of: \$750.00

3. Work Change Directive #8:

- a. WCD8.1 Add a 24x24x24 wye, two 24x16 reducers with all necessary to connect the existing 16" line from FST #1 and #2 to the proposed 16" line from FST #3. This connection shall be to the west of location shown for Junction Manhole #2. Install new 24" pipe from the wye east to the Junction Manhole #2.

- b. WCD8.2 Modify Junction Manhole #2 by eliminating the 2 proposed 16" pipe penetrations. Provide two 24" pipe penetrations at 180 degrees, install 24" pipe through the manhole to provide continuous pipe from the proposed wye to the chlorine contact tank.

Reason: To allow Contractor to proceed with piping and fitting purchase and prevent delay in the work.

Increase the contract in the amount of: \$22,684.00

4. Work Change Directive #10:

- a. Contractor shall provide the inlet box and screens in the west MBBR tanks as shown on the attached Staab Drawings. (Attachments to WCD – Staab Construction Drawings 113 to 116 inclusive, dated 9/28/2023).

Reason: To eliminate any possibility of MBBR Media loss from the west MBBR basin through the interconnecting piping.

Increase the contract in the amount of: \$17,566.00

5. Change Order #6:

- a. Work Change Directive #6 was included on Change Order #6 in error. This Work Change Directive had already been processed on Change Order #5.

Reason: Work Change Directive #6 was included on Change Order #6 in error. It had already been included in Change Order #5.

Decrease the contract in the amount of: \$(26,725.00)