

AGENDA REPORT

DATE November 5, 2002

ITEM: CHANGE ORDER NO. 1: WASTE WATER TREATMENT PLANT SOLIDS HANDLING PROJECT, (O.F. 1176.1)

INITIATED BY: PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

ACTION REQUESTED: APPROVE CHANGE ORDER NO. 1

PRESENTED BY: JIM REARDEN, PUBLIC WORKS DIRECTOR

- - - - -

RECOMMENDATION: Staff recommends that Change Order No. 1 for the Waste Water Treatment Plant Solids Handling Project, (O.F. 1176.1) be approved and the necessary documents executed by the City Manager.

MOTION: "I move the City Commission approve Change Order No. 1 in the amount of \$79,555.00 for the Waste Water Treatment Plant Solids Handling Project, (O.F. 1176.1) and authorize the City Manager to execute the documents."

SYNOPSIS: On October 16, 2001, Sletten Construction Company was awarded a construction contract in the amount of \$9,297,000 to construct a new solids handling facility at the Waste Water Treatment Plant. Since start of construction in January 2002, two unexpected changes have occurred. First, the Heating & Ventilating System in the Solids Process building needs to be rehabilitated to provide additional heating during the winter months. Part of the new construction project will remove the existing sludge heat treatment process. Although the existing heat treatment process uses large amounts of energy, it generates enough heat to keep the Solids Process building adequately heated. This portion of the change order, to provide additional heating to the Solids building, amounts to \$29,987. Second, while installing new sludge piping per contract requirements, an adjacent existing 12-inch ductile iron pipe was discovered to have deteriorated. Due to years of corrosive gas trapped within the upper portions of the pipe, the ductile iron is damaged beyond repair. This repair will install approximately 250 feet of PVC pipe. It will also require by-pass pumping in order to keep the plant processes operational during repair. This portion of the change order amounts to \$49,568. Staff recommends approval of Change Order No. 1 in the amount of \$79,555.00. The extra work associated with this change order amounts to less than 1% of the original contract. The addition of these repairs will be funded with SRF loan funds.

BACKGROUND: The 1998 Wastewater Facilities Plan is a guidance document to anticipate the needs in the Wastewater System through the year 2020. The previous Facilities Plan was prepared in 1981. Since 1981, many projects recommended by the Facilities Plan have been completed. The new Wastewater Facilities Plan recommended many changes that are being completed in this current solids handling project. The first improvement was to construct two new anaerobic digesters with an associated digester control building, heating, and mixing systems. The second improvement was to install new dewatering equipment inside the existing Solids Processing Building.

AGENDA REPORT FOR NOVEMBER 5, 2002
CHANGE ORDER #1: O.F. 1176.1
PAGE 2

The third improvement was to install new yard piping to feed the new digester facilities. In addition, other piping requirements were needed, including process water piping. The current construction project is approximately 65% complete with a finish date expected to be in the summer of 2003.

Neil Consultants and Montgomery/Watson/Harza completed the project design and are performing construction inspection. The City Engineering and Utilities divisions, as well as U.S. Filter, are providing contract administration duties and assisting when ever possible.

Attachment: Change Order No. 1



Contract Change Order No. 3

Contract Name GFWWTP Solids Handling Project Orig. Contract Amt. \$ 9,297,000 Days 510
 Contract No. O.F. 1176.1 Prev. Approved Changes \$ 0 Days 0
 Contractor Sletten Construction Co. Inc. This Change 79,555 Days 0
 \$ _____
 Owner City of Great Falls Revised Contract Amt. \$ 9,376,555 Days 510

This Change Order covers changes to the subject contract as described herein. The Contractor shall construct, furnish equipment and materials, and perform all work as necessary or required to complete the Change Order Items for a lump sum price agreed upon between the Contractor and City of Great Falls Owner's Name
 Otherwise referred to as Owner.

Description of Changes	Increase in Contract Amount (\$)	(Decrease) in Contract Amount (\$)	Contract Time Extension (days)
1. Rehabilitate HVAC system in Solids Process Building to provide adequate heating through winter season upon removal of existing heat treatment process and elimination of inherently created process heat. Attached documentation provides detailed scope of work and cost descriptions related to the aforementioned Contract changes.	\$29,987.00		0
2. Replace severely corroded 12-inch SSD pipe from DAFT facility to tie-in at pipe gallery. While installing new sludge piping, existing 12-inch ductile iron pipe was discovered to have deteriorated beyond repair due to years of corrosive gas trapping within upper wall of pipe. The section of pipe previously exposed has been temporarily repaired until full replacement is completed. Attached documentation provides detailed scope of work and cost descriptions related to the aforementioned Contract changes.	\$49,568.00	0	0
Totals	\$79,555.00	0	0
Net change in contract amount increase or (decrease)	\$79,555.00	0	0

The amount of the contract will be increased (decreased) by the sum of \$ 79,555.00 and the contract time shall be extended by 0 calendar days. The undersigned Contractor approves the foregoing

Change Order as to the changes, if any, in the contract price specified for each item including any and all supervision costs and other miscellaneous costs relating to the change in work, and as to the extension of time allowed, if any, for completion of the entire work on account of said Change Order. The Contractor agrees to furnish all labor and materials and perform all other necessary work, inclusive of the directly or indirectly related to the approved time extension, required to complete the Change order items. This document will become a supplement of the contract and all provisions will apply hereto. It is understood that the Change Order shall be effective when approved by the Owner.

Recommended: _____ /Engineer Date: _____
(Signature)

Accepted: _____ /Contractor Date: _____
(Signature)

Approved: _____ /Owner Date: _____
(Signature)