



Agenda # 25
Commission Meeting Date:
August 7, 2012

**CITY OF GREAT FALLS
COMMISSION AGENDA REPORT**

Item: Change Order No. 1 and Final Payment – Great Falls Wastewater Treatment Plant Heating Pipe Replacement, O.F. 1457.6

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Approve Change Order No. 1 and Final Pay Request

Suggested Motion:

1. Commissioner moves:

"I move the City Commission approve Change Order No. 1 in the amount of \$2,781.07 and Final Payment for the Great Falls Wastewater Treatment Plant Heating Pipe Replacement, O. F. 1457.6, in the amount of \$3,248.66 to Phillips Construction, LLC and \$32.81 to the State Miscellaneous Tax Fund and authorize the City Manager to make the payments."

2. Mayor calls for a second, discussion, inquiries from the public, and calls for the vote.

Staff Recommendation: Approve Change Order No. 1 and Final Payment Request.

Background:

Significant Impacts

This change order involves the addition of reinforcement fabric in areas of the Wastewater Treatment Plant's main access road. A reinforcing geogrid and a thickened base course layer was called out in the original replacement road section, but due to large amounts of weak clay soils found in the subbase during excavation, the fabric was added to increase the durability and service life of the road.

Workload Impacts

NCI Engineering Co. (NCI) completed the project design and performed construction inspection and contract administration duties. City engineering and Veolia staff assisted with project administration duties.

Purpose / Project Work Scope

The underground heating lines, originally installed in the 1970's, had developed leaks causing greater demand on the boiler and incurring additional heating expense. The existing pipe was a fiberglass system no longer used for underground pipe applications. Prior

attempts to repair the line had not been successful. The leaks were difficult to discover without extensive excavation and the brittle nature of the existing pipe made spot repairs unreliable. New metal welded pipe was installed between all of the buildings. These new pipes are wrapped with insulation to reduce heat loss and prevent corrosion of the pipes.

Approximately 956 lineal feet of new heating lines were installed to connect the main boiler (located in the solids building) to the administrative, dissolved air flotation thickeners (DAFT), and maintenance buildings. Additional road reinforcement and asphalt replacement was done along the main entrance to the Treatment Plant in areas that had begun to deteriorate and in areas disturbed due to the pipe installation.

Evaluation and Selection Process

Three bids were received and opened for this project on November 23, 2011. Phillips Construction submitted the low bid of \$248,940.00. The City Commission awarded the contract December 6, 2011. This change order will increase the total contract value to \$251,721.07

Conclusion

City staff recommends approving Change Order No. 1 to Phillips Construction in the amount of \$2,781.07 and making the Final Payments. City staff, along with the concurrence of our consultant NCI, has verified that Phillips Construction has completed all work and punch list items in accordance with the plans and contract. The project was completed within the contract time. The two year warranty period started at the time of substantial completion which was July 5, 2012.

Fiscal Impact:

The original and additional funding will come from sewer capital funds.

Alternatives:

The City Commission could vote to deny Change Order No. 1 and Final Payment.

Attachments/Exhibits:

1. Change Order No. 1 and Application for Final Pay is attached.
(Not available online; on file in City Clerk's Office.)