

**CITY OF GREAT FALLS**

**AGENDA** \_\_\_\_\_ 10

**AGENDA REPORT**

**DATE** \_\_\_\_\_ April 15, 2008

**ITEM:** CONSTRUCTION CONTRACT AWARD: WATER TREATMENT PLANT  
FLUME AND SANITARY SEWER MANHOLE LINING PROJECT, O.F. 1519.4

**INITIATED BY:** \_\_\_\_\_ PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

**ACTION REQUESTED:** \_\_\_\_\_ AWARD CONTRACT

**PRESENTED BY:** \_\_\_\_\_ JIM REARDEN, PUBLIC WORKS DIRECTOR

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**MOTION:** “I move the City Commission award a contract in the amount of \$73,327.00 to Pipeline Inspection Services Inc. for the WTP Flume and Sanitary Sewer Manhole Lining Project, O.F. 1519.4, and authorize the City Manager to execute the agreements.”

**PROJECT TITLE:** WTP Flume and Sanitary Sewer Manhole Lining Project, O.F. 1519.4

**RECOMMENDED CONTRACTOR:** Pipeline Inspection Services Inc.

**CONTRACT AMOUNT:** \$73,327.00

**ENGINEER’S ESTIMATE:** \$54,235.00

**START DATE:** April, 2008

**COMPLETION DATE:** August, 2008

**PENALTY / INCENTIVE TERMS:** Liquidated Damages, \$400.00/Day

**SYNOPSIS:** The purpose of this project is to provide rehabilitation for a leaking concrete influent flume at the City of Great Falls Water Treatment Plant (WTP), and to preserve newly constructed concrete sanitary sewer manholes for the new Agribusiness Park and the Refinery located on the north side of to the Missouri River. This project will provide protection from higher than normal levels of Hydrogen Sulfide (H<sub>2</sub>S) gas created by the wastewater from the agricultural processing of grains at the Malting Plant and the petroleum products produced at the Montana Refinery Company.

The leaking flume at the WTP conveys clarified water from the Missouri River to the filter basins inside the clear-well building. The flume has recently begun leaking, with several unsuccessful attempts made by WTP personnel to patch suspected leaking areas. This construction contract will provide a polyurea compound that will stop the leaking and also provide some structural support for this aging structure.

The effect of H<sub>2</sub>S gas causes the concrete manholes to deteriorate from the corrosive effects of acidic byproducts produced from the gas. Seventeen of the 36 new manholes on the sewer main have been chosen to be lined under this project due to high H<sub>2</sub>S and resulting deterioration. The remaining manholes will be lined if they show a more aggressive pace of deterioration in the future.

The bid opening was held on April 2, 2008 with five bids submitted for the manhole lining portion of the contract and four bids submitted for the WTP flume part of the project. Pipeline Inspection Services Inc., submitted both low bids. The low bid for the WTP Flume is \$29,952.00 and \$43,375.00 for the Manhole portion of the project. The bid tabulation summary is attached. Funding for the project will come from sewer capital funds and Water Treatment Plant miscellaneous project funds.

**BACKGROUND:** The WTP flume is approximately 102 feet long with a 4-foot by 4-foot square cross-section, and is supported on piers with dirt backfill. It was originally built in 1932.

In 2005, construction was completed that built new wastewater conveying facilities for the newly constructed Malting Plant. These waste water facilities include a 2,300 gallon per minute sewage lift station, 36-manholes, and approximately 15,000 lineal feet of 18 to 36 inch PVC sanitary sewer main.

City Engineering Staff completed the project design and will perform construction inspection and administrative duties.

Attachments: Bid Tabulation Summary

File: 1519.4awdAR

CITY OF GREAT FALLS  
 P.O. BOX 5021  
 GREAT FALLS, MT 59403

BID TABULATION SUMMARY

WTP Flume and Sanitary Sewer Manhole Lining Project  
 O.F. 1519.4

Project Number \_\_\_\_\_  
 Bids Taken at Civic Center  
 Date: April 2, 2008  
 Tabulated By: Kari Wambach

	Name & Address of Bidder	Acknowledge Addendum #1	Acknowledge Addendum #2	10% Bid Security	Affidavit of Non-Collusion	Certificate of Non-Segregated Facilities	Certificate of Compliance with Insurance Req.	Total Bid Schedule 1	Total Bid Schedule 2
1	Matheson Painting 615 South Oregon Avenue Pasco, WA 99301	√	√	√	√	√	√	\$78,026.00	\$103,710.40
2	Planned & Engineered Const. 3400 Centennial Drive Helena, MT 59601	√	√	√	√	√	√	\$87,500.00	No Bid
3	Pipeline Inspection Services PO Box 3023 Nampa, ID 83653	√	√	CC	√	√	√	\$43,375.00	\$29,952.00
4	Supertec Infrastructure Tech. 600 Border Lane Rexford, MT 59930	√	√	√	√	√	√	\$80,488.31	No Bid
5	Cascade Industries NW 217 240th Street SE Bothell, WA 98021	√	√	√	√	√	√	\$77,541.15	\$38,818.56
6	A-1 Refinishing 4154 Michell Avenue Billings, MT 59101	√	√	CC	No Not	Bid A	Package Planholder	No Bid	\$36,709.92
7									
8									
9									
10	<b>Engineer's Estimate</b>							\$25,915.00	\$28,320.00