



**Item:** Final Payment: Water Treatment Plant Flume and Sanitary Sewer Manhole Lining Project O.F. 1519.4

**From:** Engineering Division

**Initiated By:** Public Works Department

**Presented By:** Jim Rearden, Public Works Director

**Action Requested:** Approve Final Pay Request

---

**Suggested Motion:**

1. Commissioner moves:

“I move that the City Commission approve Final Payment for the Water Treatment Plant Flume and Sanitary Sewer Manhole Lining Project O.F. 1519.4 in the amount of \$3,134.69 to Pipeline Inspection Services Inc. and \$31.66 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 final payment request.

**Background:**

Significant Impacts

This project provided rehabilitation for an aging, leaking concrete influent flume at the City of Great Falls Water Treatment Plant (WTP) and protective liners in 17-manholes from the Malt Plant located on the northern side of the city. Repair of the flume will prevent possible deterioration of the WTP building foundation, provide additional structural integrity to the aging facility and prevent the need for additional capital cost to rebuild the flume. The liners installed for the sanitary sewer manholes will provide protection from deterioration, extending the useful life of the manholes.

Citizen Participation

No citizen participation was required for these existing water and wastewater facilities.

Workload Impacts

City engineering staff prepared contracts, plans, specifications and estimates for both segments of the project. Construction management and inspection was also provided by City engineering staff.

### Purpose

The purpose of this project was to provide rehabilitation for a leaking concrete influent flume at the WTP, and to preserve recently constructed concrete sanitary sewer manholes serving the new Agribusiness Park and the petroleum refinery located on the north side of the Missouri River. This project will provide protection from gases created by the high strength wastewater from the agricultural processing of grains at the Malting Plant and petroleum products produced at the Montana Refinery Company.

### Project Work Scope

Approximately 1,632 square feet of protective leak proof lining was installed for the WTP flume and protective lining from corrosive gases at seventeen of 36 of the sanitary sewer manholes on this section of the sanitary sewer system.

### Evaluation and Selection Process

Pipeline Inspection Services Inc. from Nampa, Idaho was selected through the competitive bidding process, having submitted the lowest responsible bid.

### Conclusion

City staff has verified that Pipeline Inspection Services Inc. has completed all work and punch list items in accordance with the plans and contract. The liner material and methods used for coating the sanitary sewer manholes is the same product and National Sanitation Foundation approved for potable water use. The material and method of application used on the manholes and for the WTP flume lining was very well done. However, the WTP flume still leaks in a portion of the flume where the lining product was not applied. Engineering and WTP staff are currently making preparations to stop the last remaining leak from the flume area. The project was completed within the contract time, with substantial completion and the start of the 2-year warranty occurring on May 17, 2008.

**Concurrences:** Not Applicable

**Fiscal Impact:** The project final cost is \$63,327.00, of which \$43,375.00 was spent on the manhole lining portion and \$19,952.00 was spent on the WTP flume lining portion of the project. The final project cost is \$10,000.00 under the amount awarded and approved. Lack of miscellaneous work items contributed to the lower final contract amount. The project was funded by the City's Sanitary Sewer Fund and the WTP Miscellaneous Projects fund.

**Alternatives:** The City Commission could vote to deny final payment.

### **Attachments/Exhibits:**

1. Application for Final Payment is attached. (Not available online; on file in City Clerk's Office.)