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WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director
Fran Donelson, Secretary

From: Jon Koch, WPCP Director

Date: December 1, 2017

Re: Mad Creek I&I Study

INTRODUCTION: The Mad Creek Inflow and Infiltration Study is ready to have the data analyzed and possible solutions considered to minimize the unnecessary flow to the Mad Creek Lift Station. Stanley Consultants has submitted a Professional Services Agreement for \$9,950.00 to complete this study. Hach Company has submitted a Data Delivery System services agreement for \$19,200.00 for a study total of \$29,150.00. \$30,000.00 was budgeted for this study.

BACKGROUND: Although the area serviced by the Mad Creek Lift Station has been separated from storm water sewers, during rain events the station still receives large amounts of water. This is called infiltration and inflow or I&I. Inflow comes from improper connections from foundation sump pumps or roof drains to the sanitary sewer. Infiltration comes from damaged sewer lines, poor lateral connections, deteriorated manholes and leaking manhole covers.

Hach Company leased 6 manhole flow meters to the city and has been collecting the data under a Data Delivery Services Agreement. They set the meters, monitored their progress and responded to any faults. Meters were set in 6 locations throughout the service area and left to monitor over the course of 4 months. This data will now be analyzed to locate where I&I can be reduced or eliminated. This is a critical area to finish before the separation project ends in 2028 and the Papoose Station no longer is allowed to have combined sewer overflows.

RECOMMENDATION/RATIONALE: Staff recommends approval of the Professional Services Agreement with Stanley Consultants for \$9,950.00 and final payment to Hach Company to complete the \$19,200.00 contract.