



**Water, Sewer, and Solid Waste Committee**

**13 April 2021**

**5:30 P.M.**

(Or immediately following Equipment Committee Session)

**This is a Virtual Meeting**

**Committee:** Chairman Mark Kinion; Council Member Sloan Scroggin, Council Member Teresa Turk, Council Member D'Andre Jones,

**Copy to:** Mayor Lioneld Jordan, Paul Becker, Kara Paxton, Susan Norton, Chris Brown, Alan Pugh, Terry Gulley, Peter Nierengarten, Jeff Coles, Brian Pugh, Mark Rogers, Corey Granderson, Aaron Watkins, Greg Weeks, Monty Sedlak, Matthew Benton, Chris Hall, Diego Espinoza, Morgan Hooker, Erin Adkins-Oury, Sandi Formica

**From:** Tim Nyander, Utilities Director

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**CALL TO ORDER**

**ROLL CALL**

**UPDATES**

**OLD BUSINESS:**

**NEW BUSINESS:**

**1. Ending the “No Cutoff” Policy Due to COVID-19**

Discussion by Paul Becker, Chief Financial Officer

**2. Township Pressure Plane Improvements Bid Award**

On April 14<sup>th</sup>, 2021, the City of Fayetteville will open sealed competitive bids for the Township Pressure Plane Improvements project. Original bid opening was pushed back due to the need for a last-minute addendum.

This project will replace the aging pump station on Ash Street, construct a new 12-inch waterline along Juneway Terrace to Township Street, and construct a new larger water storage tank atop the Township hill. These improvements were recommended in the City's Water Master Plan by Olsson, Inc. These improvements will help the water system provide

adequate volumes of water for fire protection as well as critical redundancy to keep customers in water even when the tank is offline for future maintenance activities.

Due to market fluctuation in material costs, contractors need to order materials as soon as possible after a successful low-bid. For this reason, we are asking the committee to allow the bids to be presented and the bid award to go straight to the next available City Council agenda session, and not delay for the May Water/Sewer Committee.

Funds are available for this project in the Water System Rehabilitation account.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**3. Olsson East Service Area Amendment for Township Improvements Construction Phase Services**

On January 2, 2018, the City Council passed Resolution 19-18 to approve a professional engineering services agreement with Olsson, Inc. to begin design work on this project. The project consists of four sub-parts that will each be bid separately. Namely:

- Contract Section 1: Pressure Sustaining Valves Rehabilitation
- Contract Section 2: Gulley Road Water Tank
- Contract Section 3: Gulley and Goshen Pressure Plane Improvements
- Contract Section 4: Township Pressure Plane Improvements & Tank

Amendment No. 1 was passed administratively utilizing contingency dollars to adjust the project scope. Amendment No. 2 was passed via Res. 266-19 to account for engineering time related to permitting and re-design delays. Amendment No. 3 was passed via Res. 203-20 for construction phase services related to Contract Section 2, the elevated water storage tank. Amendment No. 4 was passed via Res. 239-20 for construction phase services related to Contract Section 1.

Amendment No. 5 will provide funding for construction phase services associated with Contract Section 4, the Township Pressure Plane Improvements. Olsson will be involved with all project aspects during construction, including onsite daily observations and inspections per engineering best practices and state law.

The total costs for proposed Amendment No. 5 are based on Olsson's fee schedule and level of effort per task, not to exceed \$298,900. This will raise the overall engineering project fees from \$982,605.00 to \$1,281,505. Chris Hall, PE, from Olsson, will be present to answer any questions.

Funds are available in the Water System Rehabilitation and Replacement Project.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**4. Lawson & Oakland Cost Share for 2-inch Water Line**

The City has been approached by SRD Builders, LLC to share in the cost of replacing a 1 ½ inch galvanized water line with a 4-inch PVC line to facilitate a lot split at 940 W. Lawson Avenue.

Three quotes were received, with the low bid from M&M Excavating, excluding private sewer lines to be \$37,419.76. Installation of private service lines are \$3,237.40 Engineering costs were \$3,550.

The proposed cost share would be 46% city/54% builder. The City would reimburse up to \$20,484.88 for the completed project, and the builder would be responsible for \$24,065.12.

This cost share proposal accomplishes three things. First, it replaces an ageing and brittle segment of galvanized water pipe that is 50 years old. Second, it allows a portion of the customers on both sides of Lawson Avenue to connect to a larger pipe, which will provide more volume to their meter. Third, it provides a water connection if development occurs to the east on Lawson and fourth, it removes a section of lead pipe from the City's water distribution system, which is a requirement of the new Lead and Copper Rule.

Funds are available in the Water/Sewer Impact Fee Cost Sharing Project.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**5. Drake Street Cost Share for 12-inch Water Line**

1155 Properties, LLC is developing property at the northwest corner of Gregg Avenue and Drake Street. They are required to reconstruct a portion of existing 8-inch diameter waterline (Approx. 490 linear feet) along Drake Street due to the needed grading cut in this area for the project. The City's water master plan identifies a 12-inch waterline grid every ½-mile and therefore this reconstruction provides an opportunity to cost share for a 12-inch line instead of 8-inch.

The developer received separate quotes from their onsite utility contractor TBE Arkansas, LLC for both the 8-inch waterline and the alternative 12-inch waterline. The difference in installation costs, increased engineering and developer effort is detailed in the attached request letter. Staff recommends approval of 100% of the upgrade costs, excluding Developer Overhead and Profit and excluding the 25% share of the 8-inch line required separate from this cost share.

Staff recommends the approval of the cost share agreement with 1155 Properties, LLC in an amount not to exceed \$47,752.10 for the upsizing of a water line along Drake Street and approval of a 10% project contingency in the amount of \$4,775.21. Funds are available in the Water/Sewer Impact Fee Cost Sharing Project.

Funds are available in the Water/Sewer Impact Fee Cost Sharing Project.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**6. Bids for Biological Sampling for Pump Station Dam Removal**

As part of the pump station dam removal project, a biological assessment must be performed to determine the impact of the dam removal would be to the fish and macro invertebrate present in the river. The assessment would be conducted on an approximately 8,000-foot section of the West Fork of the White River (WFWR) that flows through the pump station dam. It has not been confirmed yet, but it may be possible that the Arkansas Game and Fish Commission would conduct the fish assessment at no cost to the City.

One bid and two no-bids were received for the macroinvertebrates assessment. Jennifer L. Bouldin, PhD, has submitted a bid for \$19,750.

Two seasons of macroinvertebrates would be sampled. Monitoring should be completed prior to May 2022 and the data analysis and final report should be completed and submitted by August 2022.

Funds are available in the Wastewater Treatment Water Quality Improvements Project.

**FOR INFORMATION ONLY**

**7. Bids for Water Quality Sampling for Pump Station Dam Removal**

Prior to the removal of the pump station dam, the City desires to understand the physical, chemical, and biological differences in water quality at the WFWR upstream and downstream from the future restoration site. The purpose of this project is to address certain aspects of water quality changes along the WFWR, excluding stream macroinvertebrates and fish.

The objective is to collect at least 13 water samples at five locations along the WFWR, analyze for select water quality parameters at the Arkansas Water Resources Center (AWRC) water quality lab, and evaluate difference between sites along the WFWR with proximity to the Pump Station Dam.

The assessment includes site selection, water sample collection and analysis, data analysis and statistics, and a final report.

A quote was received from the Arkansas Water Resources Center, U of A Division of Agriculture in the amount of \$37,631.

Funds are available in the Wastewater Treatment Water Quality Improvements Project.

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## **8. Pump No. 4 Rebuild at the Gregg Avenue Lift Station**

The Gregg Avenue Lift Station at 3896 N. Gregg Ave, collects the sewage from Joyce Avenue and the areas to the south, and pumps it to the Hamestring Lift Station on Sunshine Rd.

In late 2020, pump #4 shorted out and was taken out of service. The pump was pulled and sent to J.R. Stewart in West Memphis, AR for a hidden damages inspection. This pump was installed in 2008 and has never been rebuilt. J.R. Stewart has submitted a quote of \$37,837.18 plus taxes and shipping.

Funds are available in the Wastewater Treatment Plant Pumps & Equipment Project.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

## **9. Overview of WWTP Monthly Report**

Discussion of February's Monthly WWTP Report

## **PRESENTATIONS**

### **ATTACHMENTS**

Township Pressure Plane Improvements Map  
Olsson Construction Phase Services Agreement  
Lawson & Oakland Cost Share Engineering Costs  
Lawson & Oakland Cost Share Construction Costs  
Drake Cost Share Vicinity Map  
Drake Street Cost Share Request  
Biological Sampling Bid Dam Removal  
Water Quality Sampling Dam Removal  
Gregg Street LS Pump Quote  
February 2021 WWTP Report

## **ADJOURN**

Next Water, Sewer, Solid Waste Committee meets on  
Tuesday, May 11, 2021, 5:30 p.m.