



ENGINEERING MEMORANDUM

August 31, 2023

RE: September 5th Commission Meeting

2024 Water Main and Lead Service Line Replacement Task Order Award to Apex Engineering Group, Inc.

For your consideration is a task order with Apex Engineering Group, Inc. to perform the preliminary and design engineering services for the 2024 Watermain and Lead Service Line Replacement project for an hourly not to exceed amount of **\$258,800.00**. This proposal was received through a request for proposal where only one proposal was received. A legal review of this task order has been completed.

The 2024 Watermain and Lead Service Line Replacement project is scheduled to be bid ready by January 15, 2024 and be constructed during the 2024 construction season. The project funding is a State Revolving Fund loan through the North Dakota Department of Environmental Quality which was requested for a total of \$4.0 million. This includes a 60% loan forgiveness for the cost directly associated with the lead service line replacements.

The total installed cost estimate for this scope of work is \$3.9 million. This includes the following areas: 5th Avenue West: Villard St. to 2nd St. W, 6th and 7th Avenues West: Villard St. to 4th St W. All service lines will be replaced from the main to the curb stop and lead service lines will be replaced entirely from the main to the meter as part of this project Replacing the entire lead services lines meets the Federal and State requirements for the lead service line replacements.

Included in this project will be an investigation of the existing 12-inch which then transitions up to a 16-inch cast iron water main that exists in 2nd Street West. Non-destructive testing is planned to determine the structural integrity of the pipe, define what new cathodic protection needs to be installed, and estimate a future life cycle for the water main pipe.

This project was included in the 2024 capital improvement project budget.

The city engineering staff recommends approval

