



Item: Construction Contract Award: Southeast Great Falls Wastewater Improvements - O. F. 1451.2

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Consider Bids and Approve Construction Contract

Suggested Motion:

1. Commissioner moves:

"I move the City Commission award a contract in the amount of \$1,478,787.00 to Phillips Construction, LLC for the Southeast Great Falls Wastewater Improvements – O.F. 1451.2, and authorize the City Manager to execute the construction contract documents."

2. Mayor calls for a second, discussion, public comment, and calls for the vote.

Staff Recommendation: Approve construction contract award.

Background:

Significant Impacts

Preliminary sewer plans for the Great Falls East Retail Center Addition had sewer mains extending from the subdivision northward across 10th Avenue to connect to existing City mains. City staff had concerns regarding the capacity of existing downstream mains to the north, including the NE Interceptor trunk main, to handle additional flows from development in the southeast corner of the City. As a result, an area-wide wastewater study and facilities master plan was initiated by the City and completed by KLJ Engineering. The study found that several segments of existing main to the north were at or near capacity and would need to be upsized to handle estimated flows from the Great Falls East Retail Addition and surrounding areas. The master plan identified several alternative conveyances and lift stations that would route flows to the South Interceptor trunk main, where additional capacity exists. City staff determined that the best long term option to serve current and future area development was to implement one of the recommended master plan alternatives that would route sewage from the area to the west and south. That alternative involves constructing a sewage lift station near 47th Street South and 13th Avenue South and extending the sewer main to the Great Falls East Retail Center Addition.

The improvements in this project have the capacity to serve an approximate 150 acre area including the East Great Falls Retail Center Addition and Walmart development. Other potential areas that could be served include property located at the northeast corner of US 87/89 and 57th Street and south and east of 10th Avenue and 47th Street, respectively. The wastewater lift station will be equipped with this project to be retrofitted in the future to provide additional capacity to serve an additional 500 acres of land when annexed and developed.

Citizen Participation

City staff along with KLJ engineering negotiated utility/access easements for extending mains from the City's existing sewer system located near 47th Street and 13th Avenue South to the northwest corner of the East Great Falls Retail Center Addition at 52nd Street and 10th Avenue South. As a result of the easement negotiations with two property owners, Memorandums of Understanding were executed with each owner outlining conditions for restoration and minimizing impacts to the respective properties and businesses located within.

Provisions within the project contract documents minimize impacts on existing businesses and residents by requiring temporary roadway detours, construction roadway signing, securing all open excavations, temporarily relocating modular homes, removing and replacing business signs, maintaining sewer service by providing bypass pumping and prompt reinstatement of sewer services and restoration of disturbed ground and improvements. The contract provisions also provide for public coordination and notifications.

Permitting with the Montana Department of Transportation has been secured for a 10th Avenue South sewer casing and main crossing.

Workload Impacts

City engineering staff will provide construction phase engineering services including project management and inspection while KLJ Engineering will provide material submittal review, construction staking and assist with inspection of the lift station.

Purpose

A portion of the southeastern corner of Great Falls currently lacks sanitary sewer service. Some of the area is served with an antiquated private lift station and a high maintenance public grinder pump lift station. Other businesses lying just outside the City along the business corridor are served by private septic/drain field systems. With Walmart and likely significant development and growth in the area, there is a significant need to serve the area with public wastewater facilities. This project provides the wastewater facilities necessary to serve the area with the least amount of impacts to the existing system and at the same time will allow for the abandonment of two existing sewage lift stations and the potential to eliminate existing private underground sewage systems.

Project Work Scope

The improvements include a 325 gpm capacity lift station with capability for future expansion to 850 gpm; 530 lineal feet of 8 inch diameter force main to connect the lift

station to the existing sewer system; a new access roadway to the lift station; replacement and upsizing of approximately 700 lineal feet of existing under capacity sewer main in 15th Alley South between 35th and 39th Streets; 4,300 lineal feet of new 8 to 15 inch diameter sewer main between approximately 47th and 52nd Streets South, 140 lineal feet of 20-inch casing pipe and 8-inch carrier main to be bored across 10th Avenue South; abandonment of an existing public wastewater lift station located on the north side of 10th Avenue South near 49th Street; disconnection of existing sewer services from a private wastewater lift station serving the Agri Village retail store and reconnection to the new gravity main; 15 new sewer manholes; restoration of disturbed parking lots, roadways, fences, utilities, landscape, and open space areas.

Evaluation and Selection Process

Four bids were received on May 20, 2015 with the bids ranging between \$1,478,787.00 and \$1, 778,115.00. Phillips Construction, LLC submitted the low bid.

Conclusion

City staff recommends awarding the contract to Phillips Construction LLC in the amount of \$1,478,787.00.

Fiscal Impact:

The attached bid tabulation summarizes the bids that were received.

City sewer collection funds will fund the project with Walmart contributing \$347,847.00 toward the cost of the project within 30 days of the project Notice of Award.

Alternatives:

The City Commission could vote to deny award of the construction contract and re-bid or cancel the project.

Attachments/Exhibits:

1. Bid tabulation is attached.

