

MEMORANDUM

March 23, 2023

TO: Honorable Mayor and City Commission

VIA: James Slaton, City Manager

FROM: Sarah B. Kirkland, Public Works Director

SUBJECT: Check valve assembly replacement Water Treatment Plant #3 (WTP #3)

SYNOPSIS: Staff recommends Commission approve to expend funds of \$22,548.50 to Fortiline Waterworks to replace a broken check valve assembly at Water Treatment Plant #3.

STAFF RECOMMENDATION

It is recommended that the City Commission consider taking the following action:

1. Approve the expenditure of funds for \$22,548.50 to Fortiline Waterworks for the purchase of a check valve assembly for Water Treatment Plant #3.
2. Authorize the City Manager to execute the appropriate documents, on the City's behalf.

BACKGROUND

City staff operates several water treatment plants as a part of the City's water system. Installed at the water plants are check valve assemblies. A check valve is a one-way valve installed in pipelines to prevent water backflow. The check valve allows for the free flow of water in a specific direction. The flow can run freely one way, but if an unknown vacuum occurs in the line causing the flow to want to switch the direction, the valve will close to prevent cross contamination, protect the piping, other valves, pumps, etc. Preventive maintenance is a priority to maintain the equipment it takes to pump water into the distribution system. Despite following all manufacturers recommendations equipment will fail over time due to the extensive wear it encounters on a 24 /7 basis. Staff requested pricing from three vendors. Two of the three vendors responded with pricing attached. The third vendor was non-responsive. Staff recommends the commission take the following action; approve the expenditure to Fortiline Waterworks for \$22,548.50 for a new check valve assembly.

OTHER OPTIONS

None. In order to have the water plant operate to its full capacity, the check valve assembly needs to be changed.

FISCAL IMPACT

Budgeted in the Utilities FY '22-'23 M & R Operating Budget, \$140,000.00 was placed in budget for this purpose.

ATTACHMENTS

Fortiline Waterworks

Ferguson Waterworks

Core & Main-No response