

To: **Mayor and City Council**
Through: **Nathan Burkett, City Manager**
From: **Ross Beckwith, Public Works & Parks Director/City Engineer**
Date: **September 13, 2021**

Change Orders 2 and 3 for Lift Stations 1 & 2 and Forcemain 2 Projects 18-2 and 20-10

BACKGROUND INFORMATION:

On January 25, 2021, a contract for \$3,898,014.90 was awarded to Minger Construction Company, Inc. for the Lift Stations 1, 2, and Forcemain 2 project, City Projects 18-2 and 20-10. On February 18, 2021, Change Order 1 was processed as an administrative change order with no cost change.

Change Order 2

Construction of forcemain 2 included a very invasive and costly excavation at Oakdale Avenue and Westview Drive, which would have closed the intersection for four to six weeks. The contractor, consultant and City staff have been looking at alternative designs for the forcemain due to the lengthy and costly intersection closure. We were able to redesign the forcemain to minimize impacts to the intersection, thus speeding up the overall construction timeline and reducing project costs.

Change Order 3

Lift Station 2 has had an increase in debris, including mop heads, come through the lift station. This debris clogs up the lift station and shuts it down immediately, requiring Public Works staff to go out and perform emergency maintenance to avoid a backup of the sewer upstream. The solution is to install a grinder at the front end of the station. Lift Stations 1 and 4 currently have grinders as well. The grinder, as its name implies, grinds up whatever comes out of the sewer main pipe before it heads into the lift station to allow everything to pass through. The initial design of lift station 2 did not have a grinder, but with the increase in large debris coming through the station, it is an important safeguard to add.

FISCAL IMPACT:

Change Order 2 is for Forcemain 2 and will be cost savings to the City of \$102,031.15. Forcemain 2 is 100% funded by the City through the Sanitary Sewer Fund.

Change Order 3 is for Lift Station 2 and will add \$86,408.83 to the contract. The City is receiving \$2.2M in funding for the construction of Lift Stations 1 and 2 as part of the 2020 State Bonding Bill and the remaining funding is through the Sanitary Sewer Fund.

STAFF RECOMMENDATION:

Staff recommends that the City Council approve Change Orders 2 and 3 with Minger Construction for the Lift Stations 1 & 2 and Forcemain 2 Projects 18-2 and 20-10.