

MEMORANDUM

TO: Donna Barron, City Manager

FROM: David Salmon, P.E., City Engineer

VIA: Eric Ferris, Deputy City Manager

DATE: April 6, 2020

SUBJECT: **Approval of a Change Order with Western Municipal Construction of Texas, LLC in the Amount of \$113,872.75 for Metro Park Drainage Channel; and Authorization for the City Manager to Execute the Change Order.**

BACKGROUND

The Metro Park Boulevard Channel project consists of a concrete channel beginning at Business 121 and extending to the north property line of the DCTA Maintenance Facility. The existing grass channel is undersized and has experienced severe erosion. The project will provide adequate drainage capacity and prevent the embankment from further erosion. The Metro Park Channel project was originally designed in 2014, however did not have construction funding until 2019 via the Drainage Utility.

In May 2019, after construction funding became available, staff executed a PSA with Graham and Associates to update the plans and provide bidding support and construction services to complete the project. City Council awarded the Metro Park construction project to Western Municipal Construction on December 3, 2019 and work began on January 2, 2020.

ANALYSIS

On February 27, 2020, Western Municipal Construction submitted RFI No.2 regarding subgrade soil conditions at Metro Park Channel (see attachment 1). During excavation, the construction crew encountered a substantial amount of groundwater entering through the bottom of the channel. City staff met with staff from Western Municipal and Graham and Associates the following morning (February 28) to discuss possible solutions for the groundwater intrusion.

The consulting engineer revised the original drawings to provide an underdrain system to allow the groundwater to discharge without compromising the integrity of the concrete channel. These revised drawings were sent on March 1, 2020 (see attachment 2). The concrete channel would be placed on top of this new underdrain system.

The additional cost of the underdrain would bring the total cost of the project from \$1,618,977.63 to \$1,732,850.38. Funding for this change order is available in the Metro Park Drainage capital

project through Drainage Utility Funds. This change order will also add an additional 35 days to the original 270-day timeline, pushing the completion date from September 28, 2020 to November 2, 2020.

RECOMMENDATION

It is City staff's recommendation that the City Council approve Change Order No. 2 as set forth in the caption above; and authorize the City Manager to execute the change order.