

December 16, 2022

Chris Mattingly, PE, Utilities Director
City of Norman
201 West Gray, Building C
Norman, OK, 73069

Subject: 2018 Norman Groundwater Wellfield Development
Bid No. K-1819-11 / Contract No. K-1819-44
Review of Potential Change Order #5 Items – FINAL CHANGE ORDER

Dear Mr. Mattingly:

The purpose of this letter is to review modifications to the contract based upon a change in scope or reconciliation of quantities. This is the final reconciliation of quantities for the contract and will serve as the final change order. The recommended changes are summarized in Table 1 at the end of the letter.

Following a review of the contractor's documentation, Carollo Engineers has determined that the reconciliation of quantities is accurate. Carollo recommends that the City provide a total \$6,374.24 as a decrease to the contract price and close the contract with Layne, A Granite Company.

A summary of bid item reconciliation of quantities is as follows:

Bid Item 4: Increase Amount of Pre/Post Construction Videos

An additional Pre-Construction Video was taken for the original Downey Well Site that was not completed for production. Carollo Engineers recommends increasing the contract quantity from 9 Pre/Post Construction Videos to 9.5 Videos to include the additional Pre-Construction Video and increase the contract price by \$417.00.

Bid Item 64: Decrease Amount of Solid Slab Sod

The amount of solid slab sod necessary at the well sites was decreased by 3.516 Square Yards (SY). Carollo Engineers recommends decreasing the contract quantity from 9000 to 5584.44 LF and reduce the contract price by \$10,564.68.

Bid Item 65: Increase Erosion Control and SWPPP (Per Site)

An additional Erosion Control and SWPPP was performed at the original Downey Well Site that was not completed for production. Carollo Engineers recommends increasing the contract quantity from 9 to 10 and increase the contract price by \$2,833.33.

Change Order 3-7: Modified Fencing

A mathematical error was made on Change Order No. 4 which showed the Unit Price for this item as a positive cost instead of the correct unit price of -\$2.62. As shown in Change Order No. 4, the final amount of

fencing installed was reduced by 176 LF (corresponding with Bid Item 62) and the revised quantity of 3244 LF is correct. Carollo Engineers, Inc. recommends increasing the contract price by \$922.11 to correct this mathematical error from Change Order No. 4.

Contract Time Summary

No additional contract days are included with Change Order No. 5. All substantial work was completed by the contractor by September 15, 2021.

A summary of the contract time is as follows:

Project Phase	Contract Time (Calendar Days)	Contract Start Date	Contract Completion Date
Original Contract	547	January 24, 2019	July 24, 2020
Change Order No. 1	160	----	December 30, 2020
Change Order No. 2	60	----	March 1, 2021
Change Order No. 3	45	----	April 15, 2021
Project Hold	318	----	
Change Order No. 4	200	----	September 16, 2022
Change Order No. 5	0	----	September 16, 2022
Total	1330 Days		

Change Order 5 Summary

Table 1 in Attachment A presents a summary of the final bid quantity reconciliation proposals. Carollo recommends that the City process this change order which decreases the total contract price by \$6,374.24, with no changes to the contract time.

Please contact me if you have any questions or require additional information.

Sincerely,

CAROLLO ENGINEERS, INC.



Rebecca Poole, PE
Project Manager/ Associate Vice President

Enclosures: Attachment 1: Change Order Cost Summary Table



**Norman Utility Authority
2018 Groundwater Wellfield Development
Bid No. 1819-11 / Contract No. 1819-44
Change Order No. 5 - Summary**

Table 1: Change Order 5 Bid Item Quantity Reconciliation

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