



# office memorandum

**DATE:** December 10, 2018  
**TO:** Mary Rupp, Interim City Manager  
**THROUGH:** Kenneth Komiske, Director of Utilities *K Komiske*  
**FROM:** Charlie Thomas, Capital Projects Engineer *CT*  
**SUBJECT:** Lift Station Modifications FYE17 project, Proposed Change Order #1

**BACKGROUND:** In 2001, the citizens of Norman approved a five dollar per month sewer maintenance fee to provide for the systematic rehabilitation or replacement of aged and deteriorated sewer infrastructure. The Lift Station Modifications FY17 project (WW0305) provides for upgrades of three (3) existing sewer lift stations: Ashton Grove, Franklin Road and Royal Oaks (see attached map). The work consists of replacement pumps, pump guide rails and brackets, pipe and discharge fittings at each station. Royal Oaks also requires replacement of the valve vault, and a new wet well. Bypass pumping will be required while each station is off line to maintain sewer service and prevent back-ups or overflows.

On February 27, 2018, the Norman Utilities Authority (NUA) approved Contract K-1718-6 with Crossland Heavy Construction, Inc. of Columbus, KS, in the amount of \$639,553. The Notice to Proceed was issued effective March 19, 2018. Construction is in progress and was scheduled to be complete by July 17, 2018.

**DISCUSSION:** As with any project of this scope, minor field adjustments and modifications are necessary. Four (4) contract modifications, detailed below, are proposed as components of this change order.


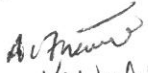
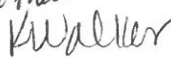
1. First, due to depth of sludge in the Ashton Grove wetwell during design, we were unable to accurately determine the total depth to be cleaned, sealed and coated with a new protective epoxy material. Our existing construction records showed the depth as eighteen feet (18') but it is actually 23 feet. As shown on proposed Change Order No. 1 (CO1), the additional cleaning and protective coating cost for the additional depth is \$7,706.60.
2. Second, due to unforeseen site conditions, Crossland was required to modify the required bypass plan. The bypass plan maintains sanitary sewer flow around the station while upgrades are completed. As shown on proposed CO1, the additional cost for the modified plan is \$5,223.85.
3. Next, to facilitate effective and efficient maintenance, we determined that the valve vault needed to be larger than originally intended and designed. For increasing the vault size from six foot by six foot (6' X 6') to eight foot by eight foot (8' x 8'), Crossland proposes a cost increase of \$7,110.87, which includes a new precast concrete cover and hinged lid, and 28 additional calendar days. Staff believes both proposed increases are fair and reasonable.
4. Finally, again due to unforeseen site conditions, conflicting existing lines, the discharge force main had to be rerouted to connect to the existing piping network. Staff believes that the added cost of \$4,266.14, and five (5) additional calendar days proposed by Crossland is fair and reasonable.

For the extra work Crossland requested, and staff recommends approval of a 33 calendar day time extension. Also, due to significant rainfall impacts during the project, Crossland requested, and staff recommends approval of an additional time extension of 103 calendar days. The cumulative time extension of 136 days extends the contract completion from July 17, to November 30, 2018. We will negotiate a settlement for time required to final completion during the final acceptance process, which is imminent.

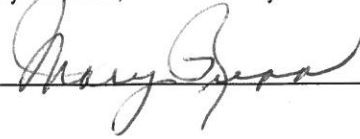
In summary, Proposed CO1 will increase the contract amount by \$24,307.46 from \$639,533 to \$663,860.46, a less than 4% increase of the contract amount, and extend the contract completion date by 136 calendar days from July 17 to May 15, 2018.

The Fiscal Year Ending 2019 (FYE19) budget includes an unencumbered balance of \$25,276.60 in Lift Station Modifications FY17, Construction (account 321-9338-432.61-01, project WW0305), which is sufficient to fund CO1.

**RECOMMENDATION:** Staff recommends approval of Change Order No. 1 with Crossland Heavy Construction, Inc., increasing the contract amount by \$24,307.46 to a revised contract amount of \$663,860.46, and increasing the contract time by 136 calendar days.

Reviewed By: Clint Mercer, Chief Accountant   
Reviewed By: Anthony Francisco, Finance Director   
Reviewed By: Kathryn Walker, Assistant City Attorney 

APPROVE:

  
\_\_\_\_\_

Date:

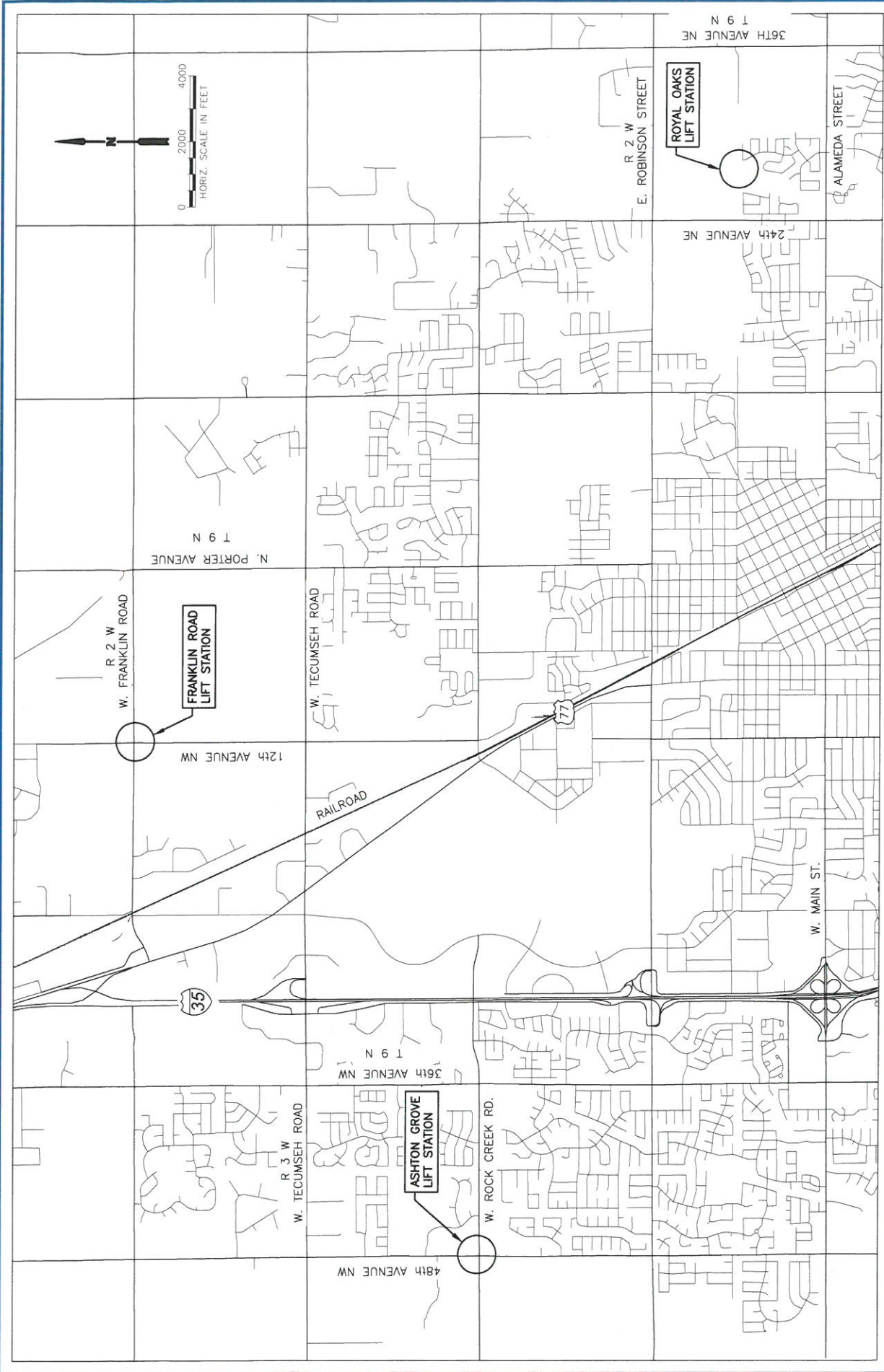
12/14/2018

DISAPPROVE:

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Date:

\_\_\_\_\_



**CITY OF NORMAN - NORMAN UTILITIES AUTHORITY**  
**LIFT STATION MODIFICATIONS FY17**  
**VICINITY MAP**



NORMAN UTILITIES AUTHORITY  
NORMAN, OKLAHOMA

DATE: December 4, 2018

CHANGE ORDER NO.: 1


CONTRACT NO.: Contract K-1718-6

PROJECT: Lift Station Modifications FYE17


CONTRACTOR: Crossland Heavy Contractors  
13919 N Harvey Avenue  
Edmond, OK 73103

	<u>Contract Time</u>	<u>Contract Amount</u>
ORIGINAL:	<u>120</u> calendar days	<u>\$639,553.00</u>
PREVIOUS CHANGE ORDERS:	<u>0</u> calendar days	<u>\$0.00</u>
THIS CHANGE ORDER:	<u>136</u> calendar days	<u>\$24,307.46</u>
REVISED AMOUNT:	<u>256</u> calendar days	<u>\$663,860.46</u>
ORIGINAL START DATE:	<u>March 19, 2018</u>	
ORIGINAL COMPLETION DATE:	<u>July 17, 2018</u>	
PREVIOUS COMPLETION DATE:	<u>July 17, 2018</u>	
NEW COMPLETION DATE:	<u>November 30, 2018</u>	

DESCRIPTION:	\$ Increase	\$ Decrease
(A) Coating for extra wetwell depth	\$7,706.60	
(B) Modified bypass plan	\$5,223.85	
(C) Increase valve vault size	\$7,110.87	
(D) Reroute Force Main	\$4,266.14	
Sub-totals	\$24,307.46	\$0.00
Cumulative Total	\$24,307.46	

SUBMITTED BY  
CONTRACTOR:   
Crossland Heavy Contractors

Date: 12-12-2018

RECOMMENDED BY  
STAFF ENGINEER:   
Charlie Thomas, P.E.  
Norman Utilities Authority

Date: 12/13/18

APPROVED AS TO  
FORM AND LEGALITY:   
City Attorney

Date: 12/13/18

ACCEPTED BY  
NORMAN UTILITIES AUTHORITY:   
Mary Rupp, Interim City Manager

Date: 12/14/2018