

LAWRENCE, KANSAS
CLINTON WATER TREATMENT PLANT
PHASE II EXPANSION

CITY PROJECT NO. 2CP-205

CHANGE ORDER NO. 4

This Change Order No. 4 covers adjustments to the Contract Price and Contract Time which resulted from the changes in the work described herein.

ITEM CO4-1. RFP NO. 7 – STAIRWAY MODIFICATIONS.

Initiated by: Engineer

This change includes modifications to the new stairway layout in Sludge Control Building No. 2 to avoid a conflict with the 48" Secondary Basin influent pipe. The modifications include shortening two sets of stringers, the addition of a landing and associated handrail and support columns, and new stringers from the landing. This change results in an increase in the Contract Price of \$5,055.45 and no change in Contract Time.

ITEM CO4-2. BASIN EQUIPMENT MODIFICATIONS.

Initiated by: Contractor

This change is necessary to provide uniform influent flow distribution within the flocculation zones of Presedimentation Basin No. 2 and Secondary Basin No. 2. This change includes providing influent feedwells and associated additional influent piping for the basin equipment, which was not specified to be required or included in the equipment manufacturer's bid. This change also involves deletion of shop blasting and priming of submerged steel components which will be subsequently blasted and painted in the field immediately upon delivery, thereby eliminating the need for the shop preparation. This change results in an increase in the Contract Price of \$17,275.00 and an increase in Contract Time of 19 calendar days.

ITEM CO4-3. WATER STORAGE RESERVOIR ISOLATION VALVE REPLACEMENT.

Initiated by: Owner

This change is necessary to replace the existing leaking 30" butterfly valve on the West Finished Water Storage Reservoir with a new 30" valve. The cost for this item is for the Contractor to install the Owner provided valve. This change results in an increase in the Contract Price of \$10,221.96 and no change in Contract Time.

ITEM CO4-4. BOILER CONTROL VALVE ACTUATOR REPLACEMENT.

Initiated by: Contractor

This change includes replacement of the existing pneumatic controlled actuator for the boiler control valve with an electric actuator to eliminate all pneumatically controlled devices in the Chemical and Filter Building HVAC system. This change results in an increase in the Contract Price of \$1,052.55 and no change in Contract Time.

ITEM CO4-5. 42" FILTER INFLUENT PIPE TEMPORARY REPAIRS.

Initiated by: Engineer

The contract drawings call for two sections of the existing 42" Filter Influent pipe to be re-lined. Upon inspection during the plant shutdown, it was discovered that much of the lining is still intact except at the chlorine diffuser, where previous leaks had occurred. Additional corrosion was discovered at each pipe joint. It was decided to postpone the lining repair work until Fall 2008 when the influent line can be isolated again. The contract value for the original lining work will be reserved to complete the future repairs and that cost will be resolved in a future Change Order. This work was undertaken as a temporary repair to the piping in order to place it back into service. The work involved replacing the existing corroded mechanical coupling, making minor welding repairs to fill pits in the steel piping, and coating the bare steel with epoxy paint. This change results in an increase in the Contract Price of \$2,608.80 and no change in Contract Time.

ITEM CO4-6. SANITARY SEWAGE PUMP STATION LEVEL PRESSURE TRANSDUCER.

Initiated by: Contractor

During startup of the Sanitary Sewage Pump Station, the ultrasonic level sensor experienced interferences within the wetwell which would not allow it to function as intended. The work includes replacing the ultrasonic level sensor with a submersible pressure transducer type level sensor, installing a power supply for the transducer, and calibrating the new sensor. The City will keep the ultrasonic level sensor. This change results in an increase in the Contract Price of \$1,953.98 and no change in Contract Time.

ITEM CO4-7. RFI NO. 77 – SLUDGE CONTROL BUILDING NO. 2 ELECTRICAL RECEPTACLES.

Initiated by: Contractor

This change includes the installation of four electrical receptacles in the basement of Sludge Control Building No. 2 resulting from the response to Request for Information (RFI) No. 77. This change results in an increase in the Contract Price of \$3,307.79 and no change in Contract Time.

ITEM CO4-8. RFP NO. 8 – POLYMER SYSTEM CONTROL MODIFICATIONS, CONDUIT, AND WIRING.

Initiated by: Engineer

This change includes the installation selector switches and associated wiring within the polymer transfer pump and tank mixer controls to provide additional operational functionality and flexibility to ensure that they system functions as intended. In addition, this change includes the installation of conduit and wiring from the tank mixer panels to the polymer feed pump control panels which was not indicated on the Contract Drawings. This change results in an increase in the Contract Price of \$7,054.09 and no change in Contract Time.

ITEM CO4-9. WEATHER DELAYS

Initiated by: Contractor

This change allows the Contractor a time extension for days when adverse weather conditions created site conditions which were not conducive to performing work which was considered to be on the critical path of the project. From February 5 through April 28, 2008, there were 16 days of work lost to adverse weather in excess of the number of days that could be anticipated each month. The Owner and Contractor agreed that the number of calendar days to be granted for this delay is 25 calendar days. This change represents an increase in Contract Time of 25 calendar days and no change in Contract Price.

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COST SUMMARY

The Contract Price shall be modified as follows as a result of the changes described by this modification request. Additions to the Contract amount are indicated by a "+" in front of the amount, deductions by a "-".

<u>Item</u>	<u>Description</u>	<u>Increase/Decrease In Contract Price (+/-)</u>
CO4-1	Stairway Modifications	+5,055.45
CO4-2	Basin Equipment Modifications	+\$17,275.00
CO4-3	Water Storage Reservoir Isolation Valve Replacement	+\$10,221.96
CO4-4	Boiler Control Valve Actuator Replacement	+\$1,052.55
CO4-5	42" Filter Influent Pipe Temporary Repairs	+\$2,608.80
CO4-6	Sanitary Sewage Pump Station Level Pressure Transducer	+\$1,953.98
CO4-7	Sludge Control Building No. 2 Electrical Receptacles	+\$3,307.79
CO4-8	Polymer System Control Modifications, Conduit, And Wiring	+\$7,054.09
CO4-9	Weather Delays	<u>\$0.00</u>
NET CHANGE IN CONTRACT PRICE		+\$48,529.62
BID AMOUNT OF ORIGINAL CONTRACT		\$13,979,000.00
PREVIOUS CHANGE ORDER ADJUSTMENTS		<u>+\$26,782.05</u>
CURRENT CONTRACT AMOUNT		\$14,005,782.05
CHANGE ORDER NO. 4		<u>+\$48,529.62</u>
ADJUSTED CONTRACT AMOUNT		\$14,054,311.67

CO4-4

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TIME SUMMARY

The Contract Times shall be amended as follows:

	Substantial Completion		Final Completion	
	Days	Date	Days	Date
ORIGINAL CONTRACT DATE	420	July 8, 2008	520	October 16, 2008
PREVIOUS CHANGE ORDER ADJUSTMENTS	0	--	0	--
CURRENT CONTRACT DATE		July 8, 2008		October 16, 2008
CHANGE ORDER NO. 4	+44		+44	
ADJUSTED CONTRACT DATE		August 21, 2008		November 29, 2008

This change order includes all costs, direct, indirect, and consequential, and all changes in contract time arising from the work included in items CO4-1 through CO4-9. No additional claims shall be made for changes in contract price or contract time arising from this work

All other provisions of the contract remain unchanged.

Agreed to this _____ day of _____, 2008

Approved:
CAS Construction, LLC

Approved:
City of Lawrence

By:_____

By:_____

Date:_____

Date:_____