

**CITY OF RAPID CITY  
CONSTRUCTION CHANGE ORDER**

**PW112801-01**

Water Reclamation Facility Improvements - Equipment Installation

PROJECT NO: WRF01-1035

MAC Construction Company

ORIGINAL CONTRACT AMOUNT: **\$1,245,900.00**

CHANGE ORDER NO.: 1

DATE: November 20, 2001

LINE ITEM	SEC NO	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	INSTALLED QUANTITY	INSTALLED PRICE	INCREASE/ (DECREASE)
1	NA	Deduct for Price Reduction of Helical Scum Units, Fiberglass Troughs and Weirs, and Fiberglass Baffles	1	1	(\$38,000.00)	(\$38,000.00)			(\$38,000.00)
2	NA	Deduct for Removal of One Existing Bar Screen by City Personnel	1	1	(\$1,311.00)	(\$1,311.00)			(\$1,311.00)
3	NA	Sandblast Wall on Air Compressor Building	1	1	\$542.00	\$542.00			\$542.00
4	NA	Tie-in of New Air Compressor Building to Existing Stairwell	1	1	\$894.00	\$894.00			\$894.00
5	NA	Provide Assistance to City Personnel in Installation of New Electrical Transfer Switch	1	1	\$250.00	\$250.00			\$250.00
6	NA	Provide New Stainless Steel Junction Box	1	1	\$1,565.00	\$1,565.00			\$1,565.00
7	NA	Increase Capacity of Hoist in Screening Room from 1 ton to 1-1/2 ton	1	1	\$679.00	\$679.00			\$679.00
8	NA	Additional Brick on Air Compressor Building	1	1	\$710.00	\$710.00			\$710.00
9	NA	Deduct for Hollow Metal Door instead of Aluminum Door in Operations Building	1	1	(\$1,042.00)	(\$1,042.00)			(\$1,042.00)
10	NA	Deduct to eliminate replacement of the Backing Bars for the Helical Collector Blades	1	1	(\$11,890.00)	(\$11,890.00)			(\$11,890.00)
11	NA	Replace Two Trickling Filter Recirculation Pumps	1	1	\$98,414.00	\$98,414.00			\$98,414.00
		<b>TOTAL</b>							<b>\$50,811.00</b>

C.C.O. HISTORY INCREASE/(DECREASE)	PRIOR ADJUSTED CONTRACT PRICE :	\$1,245,900.00
CCO #1	NET INCREASE/(DECREASE):	\$50,811.00
CCO #2		
CCO #3	ADJUSTED CONTRACT PRICE:	\$1,296,711.00
PRIOR TOTAL	CHANGE TO DATE:	\$50,811.00
	\$0.00	

CONTRACTOR: MAC Construction Company	DATE: _____
ENGINEER: McLaughlin Water Engineers, Ltd.	DATE: _____
MAYOR: _____	DATE: _____
FINANCE: _____	DATE: _____
CONTRACT TIME CHANGE +/-: +40 days      NEW CONTRACT TIME: March 12, 2002	

## CONSTRUCTION CHANGE ORDER

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MAC Construction Company

ORIGINAL CONTRACT AMOUNT: \$1,245,900.00

CHANGE ORDER NO.: 1

DATE: November 20, 2001

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
1	Deduct for Price Reduction of Helical Scum Units, Fiberglass Troughs and Weirs, and Fiberglass Baffles	Price reduction obtained from equipment supplier prior to award of contract per request by City.
2	Deduct for Removal of One Existing Bar Screen by City Personnel	One existing bar screen removed by City personnel.
3	Sandblast Wall on Air Compressor Building	New Air Compressor Building and existing Stairwell share common wall. When brick was removed from outside of common wall grout had to be removed to provide acceptable surface.
4	Tie-in of New Air Compressor Building to Existing Stairwell	Additional structural support required for tie-in to existing wall.
5	Provide Assistance to City Personnel in Installation of New Electrical Transfer Switch	Electrical Journeyman provided to assist City Electrician in installation of new electrical transfer switch purchased by City.
6	Provide New Stainless Steel Junction Box	Replacement of plastic electrical junction box.
7	Increase Capacity of Hoist in Screening Room from 1 ton to 1-1/2 ton	Increased capacity needed for change in screen size.
8	Additional Brick on Air Compressor Building	Brick for Air Compressor Building salvaged from Generator Building slated for demolition as part of Expansion Project. Could not salvage adequate brick therefore, had to supplement one wall with new brick.
9	Deduct for Hollow Metal Door instead of Aluminum Door in Operations Building	Specifications called for all replacement doors to be aluminum. Not needed for this interior application.
10	Deduct to eliminate replacement of the Backing Bars for the Helical Collector Blades	Original drawings not available for backing bars. Therefore, manufacturer requested bars be removed and sent to factory as template for fabrication. This would require one clarifier to be down for up to a month. Not operationally acceptable. Closer inspection of backing bars indicates not all need to be replaced. Will fabricate locally if required, in conjunction with other work.
11	Replace Two Trickling Filter Recirculation Pumps	Replacement of one pump was slated for Expansion portion of project. Loss of second pump has required expediting of this item due to loss of redundancy. Item budgeted at \$125,000.00 in original project cost estimate. Therefore, replacement of pumps is within overall project budget.
	Extension of Contract Time by 40 days	Original bid documents set contract time as 180 calendar days. Addendum 1 to bid documents extended time to 210 calendar days. When Contract was set up it reflected 180 days instead of the correct 210 days. Therefore, 30 days of the contract time extension reflect this correction. Additional 10 days requested by Contractor for procurement and installation of recirculation pumps.

PREPARED BY: Dan Coon

DATE: November 20, 2001