

Change Order
No. 2 – Final Balancing

Date of Issuance: September 30, 2019 Effective Date: September 30, 2019

Project: <i>WWTF Hydraulic Improvements</i>	Owner: <i>City of Minot</i>	Owner's Contract No.: <i>4202</i>
Contract: <i>WWTF Hydraulic Improvements</i>		Date of Contract: <i>February 5, 2018</i>
Contractor: <i>Wagner Construction dba Wagner Place</i>		Engineer's Project No.: <i>16.106.0065</i>

The Contract Documents are modified as follows upon execution of this Change Order:

Description:
See attached Letter of Explanation

Attachments (list documents supporting change):
Letter of Explanation – Change Order No. 2

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: \$ <u>\$5,968,520.00</u>	Original Contract Times: <input type="checkbox"/> Working days <input type="checkbox"/> Calendar days Substantial completion (date): <u>October 12, 2018</u> Ready for final payment (date): <u>November 9, 2018</u>
Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : \$ <u>\$14,143.66</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : Substantial completion (days): <u>8</u> Ready for final payment (days): <u>8</u>
Contract Price prior to this Change Order: \$ <u>\$5,982,663.66</u>	Contract Times prior to this Change Order: Substantial completion (date): <u>October 20, 2018</u> Ready for final payment (date): <u>November 17, 2018</u>
Decrease of this Change Order: \$ <u>\$12,572.86</u>	Increase of this Change Order: Substantial completion (days): <u>45</u> Ready for final payment (days): <u>45</u>
Contract Price incorporating this Change Order: \$ <u>\$5,970,090.80</u>	Contract Times with all approved Change Orders: Substantial completion (date): <u>December 4, 2018</u> Ready for final payment (date): <u>January 1, 2019</u>

RECOMMENDED:
By: [Signature]
Engineer (Authorized Signature)
Date: 10/17/19

ACCEPTED:
By: [Signature]
Owner (Authorized Signature)
Date: 10/19/19

ACCEPTED:
By: [Signature]
Contractor (Authorized Signature)
Date: 10-10-19



Water | Transportation | Municipal | Facilities

Letter of Explanation Change Order No. 2 – Final Balancing

WWTF Hydraulic Improvements

Apex No. 16.106.0065

City of Minot No. 4202

Item No. 15 – 20” x 28” CMP Arch Pipe: DELETE 16 LF @ \$175.00. This item was to be utilized to replace a culvert. Culvert was ultimately not replaced, leading to this item not being used. *Total Reduction due to this Change: -\$2,800.00.*

Item No. 20 – 20” PVC Sanitary Sewer: DELETE 5 LF @ \$300.00. Normal contract variation. Less used than anticipated. *Total Reduction due to this Change: -\$1,500.00*

Item No. 22 – 30” PVC Sanitary Sewer: DELETE 9 LF @ \$625.00. Normal contract variation. Less used than anticipated. *Total Reduction due to this Change: -\$5,625.00.*

Item No. 25 – 36” PVC Sanitary Sewer: DELETE 156 LF @ \$225.00. Normal contract variation. Less used than anticipated. *Total Reduction due to this Change: -\$35,100.00*

Item No. 38 – 24” Insertion Valve: DELETE 2 Each @ \$5,000.00. This Item was eliminated from the project. Refer to Item No. 41 for further information. *Total Reduction due to this Change: -\$10,000.00*

Item No. 40 – Allowance – Materials Testing: DELETE 1 LS @ \$27,435.00. Normal contract variation. Less used than anticipated. *Total Reduction due to this Change: -\$27,435.00.*

Item No. 41 – Stabilization Pond Line Stop: ADD 1 LS @ \$170,734.07. The original project included Item No. 38, which was for two insertion valves. During construction, it was discovered that additional work would be necessary to accomplish this item. Wagner Construction proposed plugging the cell inlets and welding steel caps on the pipe ends as an alternative with additional costs of approximately \$39,000. Additional work, above and beyond the original proposal was performed by the Contractor. See the attached Wagner PCO#2 Rev2 for additional information. *Total Additional Cost Due to this Change: +\$170,734.07 and 45 additional days.*

Item No. 42 – Sunday Work: DELETE 1 LS @ \$5,846.93. The Contractor requested to be allowed to work on four (4) Sundays during the course of the project (September 9th, September 23rd, October 14th, and October 28th). Approval was granted with the stipulation that all costs incurred by the Owner for Engineer's services is the responsibility of the Contractor, as stated in the Supplementary Conditions of the Contract Documents. *Total Reduction due to this Item: -\$5,846.93*

Item No. 42 – Liquidated Damages: DELETE 1 LS @ \$95,000.00. The Contract Documents, as Amended by Change Order No. 1, called for the project to achieve Substantial Completion by October 20, 2018 and achieve Final Completion by November 17, 2018. Item No. 41 of this Change Order adds 45 days, which moves the Substantial Completion date to December 4, 2018 and the Final Completion date to January 1, 2019. The project achieved Substantial Completion on January 18, 2019 and achieved Final Completion on September 10, 2019. The Contract Documents call for Liquidated Damages of \$1,500 for each day past both Substantial and Final Completion, which equals \$420,000 (\$1,500 x 280 days). The Owner will be assessing \$95,000 in liquidated damages to recoup costs related to the Contractor failing to meet the Completion Dates. *Total Reduction due to this Change: -\$95,000.00*



Work Change Directive/Work Order

Engineer/Owner	Apex/City of Minot Public Works	
Wagner Project Number/Name	18102/WWTF Hydraulic Improvements	
Date:	10/1/2018	
Work Change Directive Number:	Wagner PCO#2 Rev2	Apex Engineering CO#

Description of Added/ Modified Work:

Insertion Valves to Welded Caps

Welded Caps will be installed versus the planned Insertion Valve installation. A proposal was presented to Apex and approved for this work.

This proposal covers the additional time that was needed to abandon the sewer main associated with the welded caps. The piping in the lagoon cells was not

easily accessible for the test ball installation. Along with this proposal, additional time was needed for Puppy Dog LS that was tee'd into the sewer main.

Submitted By		Work Requested By:		
Matt Guerton		Tim Paustian		
Description Labor:	Qty.	Units	Rate	Total
Perdiem/Lodging	401.00	HRS	\$9.25	\$3,709.25
Project Manager (Blended Overtime Rate 60HR Week)	16.00	HRS	\$134.25	\$2,148.00
Superintendent (Blended Overtime Rate 60HR Week)	87.00	HRS	\$129.38	\$11,256.06
Labor (Blended Overtime Rate 60HR Week)	282.00	HRS	\$76.69	\$21,626.58
Operator (Blended Overtime Rate 60HR Week)	16.00	HRS	\$81.79	\$1,308.64
Description Equipment:		Units		Total
Small Tools/Consumables (3% of Labor)	\$40,048.53	%	3.00%	\$1,201.46
12 Inch Diesel Pump - Fuel & Rent - To lower Lagoon Elevation	360.00	HRS	\$35.73	\$12,862.80
On-Highway Light Duty Truck Crew Diesel	87.00	HRS	\$24.49	\$2,130.63
135-150 HP Wheel Loader (Cat 930)	8.00	HRS	\$59.48	\$475.84
40-50 Ton Excavator (Cat 349)	8.00	HRS	\$211.49	\$1,691.92
135-150 HP Wheel Loader (Cat 930) - Rental Rate/Down Time	1.00	MO	\$5,750.00	\$5,750.00
40-50 Ton Excavator (Cat 349) - Rental Rate/Down Time	1.00	MO	\$14,650.00	\$14,650.00
40-50 Ton Excavator (Cat 345) - Rental Rate/Down Time	1.00	MO	\$14,650.00	\$14,650.00
105-129 HP Dozer (Cat D6K) - Rental Rate/Down Time	1.00	MO	\$6,100.00	\$6,100.00
8-12 Ton Compactor (Cat 563) - Rental Rate/Down Time	1.00	MO	\$6,200.00	\$6,200.00
Description Materials:		Units		Total
Previous Plug Valve to Welded Cap	1.00	LS	\$38,700.00	\$38,700.00
C& M- Lost Test Balls to plug in front of Welded Cap (Lagoon Piping Leaking)	1.00	EA	\$1,013.04	\$1,013.04
Core & Main - Pontoon Boat Rental	1.00	LS	\$700.00	\$700.00
Core & Main - Extension for suction on 12" pump	1.00	LS	\$2,138.27	\$2,138.27
United Rental - By Pass Ball lost when Puppy Dog Coulee Pumps kicked on	1.00	LS	\$857.85	\$857.85
Contract Extension requested for additional work	45.00	Days	\$0.00	\$0.00
Description of Items Installed	Qty.	Units	Unit Price	Total
				\$0.00
Subcontractors	Qty.	Units	Unit Price	Total
Badger - Sewage Mat Vacing	1.00	LS	\$12,008.44	\$12,008.44
United Rental - By Pass Rental	1.00	LS	\$54,812.13	\$54,812.13
AE2S - Sewage Lagoon Diving	1.00	LS	\$1,750.00	\$1,750.00
SVR - Sand for Bags to plug pipe in Cell 1 & Cell 2 Diversion Structure	1.00	LS	\$343.16	\$343.16
Misc/Dumpfees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total
Trucking & Dump Fees	0.00	LD	\$0.00	\$0.00
Material and Mark-up (Profit 15% & Bond 1%) - Previous Plug Valve CO Not Included	72765.04	%	16.00%	\$11,642.41
			Total:	\$170,734.07

Wagner Rep. _____ Date: _____ Owner Rep: _____ Date: _____