

CHANGE ORDER SUMMARY  
NORMAN UTILITIES AUTHORITY  
CITY OF NORMAN  
CLEVELAND COUNTY, OKLAHOMA

DATE: November 9, 2016  
CHANGE ORDER NO.: Three (3)  
CONTRACT NO.: Contract K-1314-136  
PROJECT: Norman WRF Phase 2 Improvements  
CONTRACTOR: Archer Western Construction, LLC  
1411 Greenway Drive  
Irving, TX 75038

<u>Contract Time</u>	<u>Substantial Completion</u>	<u>Final Completion</u>
ORIGINAL:	<u>840</u> Calendar Days	<u>900</u> Calendar Days
PREVIOUS CHANGE ORDERS:	<u>79</u> Calendar Days	<u>79</u> Calendar Days
THIS CHANGE ORDER:	<u>53</u> Calendar Days	<u>53</u> Calendar Days
REVISED AMOUNT:	<u>972</u> Calendar Days	<u>1032</u> Calendar Days

ORIGINAL START DATE:	<u>June 2, 2014</u>	<u>June 2, 2014</u>
ORIGINAL COMPLETION DATE:	<u>September 19, 2016</u>	<u>November 18, 2016</u>
PREVIOUS COMPLETION DATE:	<u>December 7, 2016</u>	<u>February 5, 2017</u>
NEW COMPLETION DATE:	<u>January 29, 2017</u>	<u>March 30, 2017</u>

Contract Amount

ORIGINAL CONTRACT W/O ALLOWANCE:	<u>\$48,322,550.00</u>
CHANGE ALLOWANCE:	<u>\$500,000.00</u>
ORIGINAL CONTRACT:	<u>\$48,822,550.00</u>
PREVIOUS CHANGE ORDERS:	<u>\$98,546.78</u>
THIS CHANGE ORDER:	<u>\$152,808.92</u>
REVISED CONTRACT:	<u>\$49,073,905.70</u>

<u>Item Description</u>	\$ Increase	\$ Decrease
CMR 3: Remove and land apply an additional 3,800 cubic yards (CY) of sludge from old final clarifiers prior to demolition at contract bid unit price of \$19 per CY with no change to contract time.	\$72,200.00	\$0.00
CMR 9: Relocate approximately 250 feet of communications cable to Westside Lift Station; install coax cable in 2-inch conduit with no change to contract time.	\$13,619.79	\$0.00
CMR 35: Remove and dispose of sludge from inside existing floating cover on Digester #1 and modify connection between PVC and FRP odor control piping with no change to contract time.	\$12,820.67	\$0.00
CMR 37: Approve credit for use of existing conduit between the existing electrical room and the new electrical control room in the Main Control Building with no change to contract time.	\$0.00	\$2,503.15
CMR 38: Modify size of electrical conductors and breakers for the new headworks equipment with no change to contract time.	\$4,488.91	\$0.00
CMR 39: Raise effluent wier wall by 1-foot 10-inches for three existing aeration basins to match height of new basins by extending concrete wall and installing new weir plate; increase contract time by 15 calendar days.	\$46,485.25	\$7,500.00
CMR 41: Furnish and install two additional plug valves for flame arrestor assemblies on top of Digester #1 with no change to contract time.	\$1,392.36	\$0.00
CMR-42: Approve credit to delete sheet piling required at the Retaining Wall east of Environmental Services Building with no change to contract time.	\$0.00	\$13,327.35
CMR 43: Add 6-inch ductile iron pipe spool pieces at each of two thickened waste activated sludge (TWAS) flow meters in ensure proper operation with no change to contract time.	\$2,819.61	\$0.00
CMR 45: Furnish and install additional condensate manhole for odor control piping near Blower #2 for System C; \$3,437.92 cost to be shared equally by NUA and Archer Westernwith no change to contract time.	\$1,718.96	\$0.00
CMR 46: Furnish and install fall protection anchors adjacent to three new odor control air supply fans on roof of Solids Loading Bay and repair adjacent roof with no change to contract time.	\$4,095.46	\$0.00
CMR 47: Remove and dispose of existing buried and abandoned Headworks Structure in conflict with new Influent Flow Measurement Structure; increase contract time by 28 calendar days.	\$39,633.64	\$14,000.00
CMR 48: Approve credit to accept two multistage post-eration blowers at UV Facility as furnished with no change to contract time.	\$0.00	\$30,565.00
CMR 49: Approve credit to re-route 12-inch drain lines from Aeration Basins #5 and #6 with no change to contract time.	\$0.00	\$9,118.25
CMR 50: Remove existing concrete box culverts beneath parking area (no longer needed) and haul to storage area south of Bratcher-Minor Road with no change to contract time.	\$12,166.53	\$0.00
CMR 51: Approve credit to reduce coating thickness of 80 mils of Sewer Cote on the interior of Digester #1 to 50 mils with no change to contract time.	\$0.00	\$37,367.00

CMR 52: Install air relief valve at new high point in 24-inch recycled activated sludge (RAS) piping due to unforeseen electrical duct bank with no change to contract time.	\$5,696.58	\$0.00
CMR 53: Increase size of grounding wire between Motor Control Center (MCC-55) at RAS/WAS Pump Station and the Main Control Building with no change to contract time.	\$6,515.48	\$0.00
CMR 54: Remove existing abandoned electrical manhole and ductbank in conflict with new 48-inch effluent piping from new aeration basins with no change to contract time.	\$4,720.85	\$0.00
CMR 57: Furnish and install 8-foot wide by 6-foot tall stainless steel channel guides on effluent side of each UV channel with twelve aluminum stop logs with no change to contract time. However, due to long time frame for fabrication and delivery of materials, this work item is not subject to the deadlines for Substantial Completion and Final Completion.	\$23,100.71	\$0.00
CMR 58: Form, reinforce and pour missing concrete support wall shown on as-built drawing for Headworks (but not constructed) with no change to contract time.	\$10,672.69	\$0.00
CMR 59: Remove and dispose of existing buried and abandoned manhole and piping to south of existing Headworks Structure in conflict with Headworks Washer/Compactor Conveying Slab; increase contract time by 10 calendar days.	\$15,386.56	\$5,000.00
CMR 60: Approve credit to delete above grade, exterior coatings on concrete for the new Aeration Basins, Secondary Clarifier Splitter Box B, and Secondary Clarifiers 1 and 2 with no change to contract time.	\$0.00	\$17,997.84
CMR 62: Furnish and install one 6-inch and two 2-inch butterfly valves on air lines between new Aeration Basins and the Headworks with no change to contract time.	\$2,812.38	\$0.00
CMR 63: Furnish and install two stainless steel supports under the new walkway slab between existing Aeration Basin #3 and new Aeration Basin #4 with no change to contract time.	\$1,802.07	\$0.00
CMR 66: Furnish and install SW Duraplate 6100 protective coating on the interior of the influent splitter box to Primary Clarifiers 3 and 4 with no change to contract time.	\$8,039.01	\$0.00

NOTE: CMR's 39, 47 and 59 include contract time extensions totaling 53 calendar days for Substantial and Final Completion. Contractor agrees to be responsible for fines of up to \$525 per day (for said 53-day period) for failure to meet construction completion deadline of January 1, 2017, if levied by the DEQ relative to Task H of Consent Order 13-077. Additionally, Contractor agrees to reduce contract amount by \$500 per day for a total of \$26,500 to partially compensate NUA for additional construction inspection services to be incurred as a result of said time extension.

SUBMITTED BY  
CONTRACTOR:

  
\_\_\_\_\_  
Archer Western Construction, LLC

Date: 11-30-2016

RECOMMENDED BY  
CONSULTING ENGINEER:

  
\_\_\_\_\_  
Garver

Date: 12/1/16

APPROVED AS TO  
FORM AND LEGALITY:

\_\_\_\_\_  
City Attorney

Date: \_\_\_\_\_

ACCEPTED BY  
NORMAN UTILITIES AUTHORITY:

\_\_\_\_\_  
Chairman

Date: \_\_\_\_\_