EXHIBIT A

TASK ORDER

This Task Order pertains to an Agreement by and between **UNION COUNTY, NC** ("OWNER"), and **WK Dickson & Co., LLC. d/b/a Ardurra Group North Carolina** (formerly known as W.K. Dickson & Co., Inc.) ("ENGINEER"), dated **January 1, 2024**, ("the Agreement"). ENGINEER shall perform services on the project described below as provided herein and in the Agreement. This Task Order shall not be binding until it has been properly signed by both parties. Upon execution, this Task Order shall supplement the Agreement as it pertains to the project described below. Unless otherwise defined herein, all capitalized terms shall have the meaning set forth in the Agreement.

MPA: 8678

TASK ORDER NUMBER: 8678-~~05~~ 04 (all references to Task Order 8678-05 herein shall be deemed to refer to Task Order 8678-04

RELATED RFQ NUMBER: 2024-021

Int _____

PROJECT NAME: FY22 Pump Station Rehabilitation Project
Construction Contract Administration and Observation Services

PART 1.0 PROJECT DESCRIPTION

ENGINEER was retained by OWNER under Task Order 2021-05, to complete the design, permitting, and bidding services of a project to rehabilitate seven sanitary sewer pump stations located within OWNER's wastewater collection and transmission system.

Under this Task Order 8678-05, ENGINEER will provide multi-disciplinary engineering services associated with construction contract administration, including Special Inspection Services per North Carolina Building Code requirements, Construction Observation, and project closeout & record documentation services for the project.

ENGINEER will provide the scope of services outlined by the following phases for the fees listed herein.

PART 2.0 SCOPE OF BASIC SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT

The detailed scope of services for Basic Services is as follows:

Construction Administration Services (LS)

2.1 ENGINEER's Project Manager shall coordinate and oversee all project activity on a regular basis related to all administrative and technical aspects of the project. In

particular, the Project Manager will supervise and direct all staff related technical components of the project

2.2 ENGINEER shall provide project tracking as follows:

2.2.1 ENGINEER shall prepare monthly invoices for its services in format acceptable to OWNER.

2.2.2 ENGINEER shall maintain a project cost accounting system throughout the life of the Project.

2.3 ENGINEER shall act as initial interpreter of the requirements of the Contract Documents, judge the acceptability of the Work and make decisions on all claims of OWNER and Contractor relating to the acceptability of the Work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the Work.

2.4 Organize and facilitate a Pre-Construction Conference and record minutes for distribution to all attendees, OWNER, and Contractor.

2.4.1 Pre-construction conference may be held in person, remotely via a conference call, or virtual platform. Shall OWNER elect to conduct the pre-construction conference remotely, ENGINEER shall host platform for conference call or virtual video/tele-conference for the meeting.

2.5 Review and approve or take other appropriate action with respect to Shop Drawings, samples, and other data which Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Such reviews or other action shall not include, means, methods, techniques, sequences, or procedures of construction or safety programs and precautions incident thereto.

2.6 Make recommendations to OWNER concerning the disapproval or rejection of Contractor's Work while it is in progress if ENGINEER believes that such Work does not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the Project as reflected in the Contract Documents. ENGINEER shall have reasonable access to the Work at all times whenever it is in preparation or progress.

2.7 Debrief with OWNER and ENGINEER's field representative to determine if the completed Work is acceptable to OWNER so that ENGINEER may recommend, in writing, final payment to Contractor and may give written notice to OWNER and Contractor that the work is acceptable. Accompanying the recommendation for final payment, ENGINEER shall indicate that the work is acceptable and in conformance with the Contract Documents to the best of ENGINEER's knowledge, information and belief and based on the extent of the services performed and furnished by ENGINEER to OWNER under this Agreement, as well as the agreement between the parties dated ~~March 8, 2022~~*, including, without limitation, Task Order 2021-05, and all associated amendments thereto, issued thereunder. After determining that the completed Work is acceptable, ENGINEER shall issue a written Certificate of Substantial Completion to the Contractor. Notice of Acceptance shall establish the completion date.

Int _____

* January 7, 2021

2.8 Receive, review, and recommend for approval, Contractor's final payment request. Prepare a final adjusting Change Order to be signed by the Contractor and submitted to OWNER with the final pay request.

Construction Administration services to be provided on an hourly (NTE) basis, as needed:

2.9 ENGINEER shall conduct monthly construction progress meetings and site visits to observe as an experienced and qualified design professional, the progress and quality of the Work and to determine in general if the Work is proceeding in accordance with the Contract Documents. However, ENGINEER's inspections shall not be intended to involve work beyond the responsibility specifically assigned to the ENGINEER in the Agreement or Contract Documents. On the basis of on-site inspections, ENGINEER shall keep OWNER informed of the progress and quality of the Work, and shall alert OWNER to defects and deficiencies in the Work of the Contractor. Twelve (12) progress meetings/site visits (one per month at approximately 4 hours each, including travel time) are budgeted for the Contract. ENGINEER shall develop and issue meeting minutes/inspection report for each progress meeting/site visit.

2.10 ENGINEER shall determine a recommended amount owed to the Contractor based on ENGINEER's and OWNER's observations and inspections at the Site and the data comprising the Application for Payment, and the accompanying data and schedules, and recommend in writing payments to Contractor in such amounts. OWNER's representative shall work with ENGINEER to provide documentation of quantities of work completed in the absence of ENGINEER and shall collaborate with ENGINEER regarding quantities of completed work for the purposes of pay application review. Such recommendations of payment will constitute a representation to OWNER that the Work has progressed to the point indicated and that, to the best of ENGINEER's and OWNER's representative knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents. The issuance of a recommendation will further constitute ENGINEER's representation that the Contractor is entitled to payment in the amount certified. However, the issuance of a recommendation for payment will not be a representation that ENGINEER is responsible for construction means, methods, techniques, sequences, or procedures or has ascertained how or for what purpose the Contractor has used money previously paid on account of the Contract Price. ENGINEER has budgeted for twelve (12) payment applications, one being the final payment.

2.11 Following notice from Contractor that Contractor considers the area ready for its intended use, ENGINEER and OWNER, accompanied by designated representatives thereof and the Contractor, shall conduct a final inspection to determine if the Work is substantially and satisfactorily complete. If such Work is determined by ENGINEER to be substantially complete, ENGINEER shall provide a notice of substantial completion to OWNER and Contractor. If the Work is not deemed suitable, ENGINEER shall provide in writing a list of deficiencies to be

corrected before the Work can be deemed substantially complete. ENGINEER shall re-inspect the work when the Contractor provides a written statement that all deficiencies have been corrected. ENGINEER has budgeted for one (1) walkthrough inspection, one (1) issuance of notice of deficiencies to be corrected, and one (1) re-inspection after Contractor provides written statement that all deficiencies have been corrected have been accounted for. The budget for this work is included in ENGINEER's monthly site visits item (outlined above).

2.12 ENGINEER shall issue necessary clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of the Work. Such clarifications and interpretations will be consistent with the intent of and reasonably inferable from the Contract Documents. ENGINEER may issue Field Orders authorizing minor variations from the requirements of the Contract Documents. Field Orders shall not involve change in Contract Price or Time. ENGINEER has budgeted a total of three (3) responses during the Construction duration for the Contract.

2.13 ENGINEER shall recommend Change Orders and Work Change Directives to OWNER as appropriate, and the ENGINEER shall prepare Change Orders and Work Change Directives as required. ENGINEER shall not issue such Change Orders and Work Change Directives until OWNER has approved and accepted Contractor's cost and schedule change proposal to implement such Change Orders and Work Change Directives. ENGINEER has budgeted for preparation and processing of up to four (4) such Change Orders/Work Change Directive, beyond the summary/closeout Change Order mentioned elsewhere herein.

Electrical Construction Administration services to be provided on an hourly (NTE) basis, as needed:

2.14 ENGINEER will provide oversight, document review/processing, and QA/QC associated with documents provided by electrical subconsultant.

2.15 Electrical Professional Engineer Subconsultant shall review and approve or take other appropriate action with respect to discipline specific Shop Drawings (including arc flash submittal, as applicable), samples, and other data which Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Such reviews or other action shall not include, means, methods, techniques, sequences, or procedures of construction or safety programs and precautions incident thereto.

2.16 Electrical professional Engineer Subconsultant shall issue necessary clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of the Work. Such clarifications and interpretations will be consistent with the intent of and reasonably inferable from the discipline specific sections of the Contract Documents.

2.17 Electrical professional engineer subconsultant will support as necessary the Contractor's coordination with Union County Building Code Enforcement permit, inspection, and approval process.

2.18 Following notice from Contractor that Contractor considers the area ready for its intended use, the electrical engineer shall conduct a final inspection to determine if the discipline specific Work is substantially and satisfactorily complete. If such Work is determined to be substantially complete, electrical engineer shall assist ENGINEER in developing a notice of substantial completion to OWNER and Contractor. If the Work is not deemed suitable, electrical engineer shall provide in writing a discipline specific list of deficiencies to be corrected before the Work can be deemed substantially complete. Electrical engineer has budgeted for one (1) walkthrough inspection, one (1) issuance of notice of deficiencies to be corrected for each of the seven pump station sites and one (1) re-inspection after Contractor provides written statement that all deficiencies have been corrected.

2.19 Electrical engineer subconsultant shall prepare and furnish to the ENGINEER discipline specific "Record Drawings" of the completed project, which will provide records and measurements of the completed and installed pump station improvements. Electrical Record Drawings will be incorporated into the final record document submittal provided by ENGINEER to OWNER.

Special Inspections Services are necessary for the improvements at the Suburban Estates No. 1 pump station and shall be provided on an hourly (NTE) basis.

Based on the Schedule of Special Inspections developed by ENGINEER and included in the Contract Documents, Special Inspections subconsultant anticipates providing the following construction materials attesting and special inspection services, in accordance with Chapter 17 of the North Carolina Building Code:

2.20 Structural Steel (1705.2) Special Inspections and non-destructive testing of structural steel elements shall be in accordance with quality assurance inspection requirements of AISC 360, including (but not limited to) the following:

- 2.20.1 Erector and Fabricator Quality Control
  - 2.20.1.1 Document that the erector is in compliance with Chapter N, Section N2 of AISC 360 and provides a field Quality Control Inspector.
  - 2.20.1.2 Document field welder qualifications records for completeness, continuity, and employer.
  - 2.20.1.3 Fabricator Quality Controle shall be per Section 1704.2.5.
- 2.20.2 Structural Steel Welded Connections
  - 2.20.2.1 Document compliance with Welding Procedure Specifications (WPS).

2.20.2.2 Perform continuous or periodic inspections as necessary for complete and partial penetration groove welds, multi-pass fillet welds, and single pass fillet welds ≤ 5/16-inch.

2.20.3 Structural Steel Bolted Connections:

2.20.3.1 Observe that identification markings for bolts, nuts, and washers conform to ASTM standards specified in the approved construction documents.

2.20.3.2 Observe bearing type connections.

2.20.3.3 Observe snug tight connections for faying surface interaction and bold tightening.

2.20.3.4 Observe pre-tensioned connections for faying surface interaction and pre-tensioning methods (turn of nut, tension controlled, etc.).

2.20.3.5 Observe slip-critical connections for faying surface preparation, faying surface interaction and pre-tensioning methods (turn of nut, tension controlled, etc.).

2.20.3.6 Observe steel frame joint details for compliance with approved construction documents in regards to details such as bracing and stiffening, member locations, and application of joint details at each connection.

2.21 Reinforced Concrete (1705.3) – Cast in Place Concrete.

2.21.1 Observe placement of reinforcing steel for compliance with the project plans and specifications prior to the placement of concrete.

2.21.2 Observe the installation of bolts in concrete prior to and during placement of concrete.

2.21.3 Observe formwork for shape, location, and dimensions of concrete members being formed.

2.21.4 Document the use of the required design concrete mix.

2.21.5 Perform physical property tests including slump, air content, and concrete temperature at the time fresh concrete is sampled and obtain samples for strength testing.

2.21.6 Observe maintenance of specified curing temperature and techniques.

2.21.7 Document that the Contractor has provided proper storage and curing facilities for the first 24 hours after casting of cylinders.

2.22 Structural Masonry (1705.4)

2.22.1 As masonry construction begins, the following shall be observed for compliance:

2.22.1.1 Location of reinforcement and connectors.

2.22.1.2 Size and locations of structural elements.

2.22.1.3 Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.

2.22.1.4 Specified size, grade, and type of reinforcement.

2.22.1.5 Protection of masonry during cold weather (temperature below 40 degrees Fahrenheit) or hot weather (temperature above 90 degrees Fahrenheit).

2.22.2 Prior to grouting, the following shall be observed to document compliance:

2.22.2.1 Grout space is clean.

2.22.3 Grout placement shall be observed to document compliance with code and construction document previsions.

2.22.4 Preparation of required grout specimens, mortar specimens and/or prisms shall be observed.

2.23 Soils (1705.6)

2.23.1 Perform Dynamic Cone Penetrometer testing to document materials below shallow foundations are adequate to support the design bearing capacity.

2.23.2 Document excavations are extended to proper depth and have reached proper materials.

2.24 Special Inspections subconsultant will support as necessary the Contractor's coordination with Union County Building Code Enforcement permit, inspection, and approval process.

2.25 Special Inspections subconsultant has budgeted for up to 19 site visits to provide the services outlined herein.

Construction Observation Services to be provided on an hourly (NTE) basis:

2.26 ENGINEER shall assign a competent representative (Construction Observer) with previous experience observing similar construction activities to the project to provide construction observation services during active construction activities only within the construction contract duration. Observation services can be provided beyond or more frequently than outlined herein, if requested, as an additional service. The representative will call to the attention of the Contractor deficient work noted in the field and, through the assistance of ENGINEER, interpret the contract documents when questions arise. This budget assumes Construction Observer will be on-site only during active construction and establishes a not-to-exceed (NTE) budgetary limit for services provided within the Contract duration, for use on an as-needed basis for observation services during the Contractor's performance of the Work. During periods of active work, Construction observation shall be provided on average of two days per week, consisting of approximately 5 to 6 hours total, per visit (1 hour each way travel, 2 to 3 hours on-site, and 1 hour report generation). Therefore, Construction observation includes up to 624 man-hours (approximately 12 man-hours per week, as outlined above, for 52 weeks), plus expenses (mileage) for the Construction Observer. ENGINEER will provide general consultation as may be necessary to achieve successful construction for the duration outlined above, including:

2.26.1 Perform observation of the project construction to verify conformance with the Contract Documents;

2.26.2 Call to the attention of the Contactor any deficient work noted in the field;

2.26.3 Through the assistance of ENGINEER's Project Manager, will interpret Contract Documents and Work Orders on behalf of Owner as questions arise;

2.26.4 Document construction activities and photograph critical portions of the project. A daily observation report will be generated to document each site visit. Daily observation reports will be provided to OWNER (in PDF format via email) on a weekly basis;

2.26.5 Schedule and conduct pre-final site visit to establish initial punch list items, and;

2.26.6 Coordinate with OWNER and designated representatives thereof, as needed;

2.26.7 Observe testing and provide OWNER with testing reports as needed;

2.26.8 Perform final inspection to assure that all punch list items have been completed per the Contract Documents.

Project Closeout – As-built Survey and Record Documents (NTE)

2.27 OWNER's Digital and GIS Data As-built Submittal – ENGINEER will prepare and submit to OWNER, at the completion of the project, an as-built submittal in complete accordance with OWNER's as-built submittal requirements. As-built digital submittal shall consist of the following:

2.27.1 As-built Survey – ENGINEER's professional survey subconsultant shall conduct a limited as-built survey (excluding Subsurface Utility Engineering (SUE) services) of the completed pump station rehabilitations only at sites that involve notable site improvements, such as modification of perimeter fencing/site footprint and/or drainage improvements. Limited as-built survey and resulting deliverables shall include depiction of upgrades relevant to the pump station site plans only and be provided electronically, in PDF format.

2.27.1.1 Pump station sites warranting limited as-built survey are:

- ✓ Suburban Estates No. 1 Pump Station
- ✓ Old Hickory Pump Station
- ✓ Magnolia Ridge Pump Station

2.27.2 Record Drawings – ENGINEER shall prepare and furnish to OWNER "Record Drawings" of the completed project, which will provide location, depths, and elevations obtained from the Contractor's records and measurements of the completed and installed pump station improvements. The record drawings shall also incorporate the OWNER's and Construction Observer's observations of changes made during construction. The Record Drawings shall also incorporate survey grade

location data for select sites obtained by the limited as-built survey provided by ENGINEER's survey subconsultant.

2.28 Perform one-year warranty inspection at each pump station and provide an inspection report outlining any deficiencies.

PART 3.0 ADDITIONAL SERVICES

ENGINEER will perform additional services as requested by OWNER. If the need for such services is identified, ENGINEER will prepare an amendment to this Task Order or prepare a new Task Order for OWNER's approval. Additional Services will be performed upon execution of the Task Order amendment or new Task Order. Payment for any Additional Services will be paid only upon execution of an amendment to this Task Order.

PART 4.0 OWNER'S RESPONSIBILITIES

OWNER shall provide ENGINEER reasonable access to the site.

PART 5.0 PERIODS OF SERVICE

ENGINEER shall provide these services to OWNER during the construction phase of the project, which is assumed to commence immediately upon conclusion of the Bidding phase of the project, contingent upon OWNER's approval and direction. Construction phase services are assumed to begin upon the execution of the form of Agreement of the construction Contract. It is assumed the construction of the project will not exceed 395 consecutive calendar days.

PART 6.0 PAYMENTS TO ENGINEER

ENGINEER will be compensated for the work on a lump sum basis and hourly basis, not to exceed **$221,400**, as outlined below:

Phase/Task Description	Fee
Construction Administration 01 – Lump Sum	$24,000
Construction Administration 02 – NTE	$55,000
Electrical Engr Construction Contract Admin – NTE	$26,900
Special Inspection Services – NTE	$17,700
Construction Observation – NTE	$85,400
Project Closeout – As-built Submittal – NTE	$12,400
Total Construction Phase Services	**$221,400**

For Lump Sum (LS) Fee work, a percentage of the Lump Sum Fee will be billed on the last day of each month. The percentage billed will be the percentage of work estimated to be completed as of the day of billing.

For Hourly Not to Exceed (NTE) Fee work, ENGINEER will bill OWNER on the last day of each month for the labor and expenses incurred during that month. Due to ENGINEER's proximity to the project location, expenses associated with meals and/or accommodations are not eligible for reimbursement. All hourly fee work will be charged based upon the personnel classifications

performing the work and corresponding hourly rate set forth in the fee summary as "Attachment A," which is attached and incorporated herein by reference.

This Task Order is executed this_____.

OWNER:	ENGINEER:
UNION COUNTY NORTH CAROLINA	W.K. Dickson & Co., LLC.
By:_____	By:_____
Name: Brian W. Matthews	Name: Jeremy Brashears, PE
Title: County Manager	Title: Client Services Director
Address: 500 N. Main Street, Ste 600 Monroe, NC 28112	Address: 1213 W. Morehead Street, Ste 300 Charlotte, NC 28208

Approved as to Legal Form: BTI

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act.

_____
Deputy Finance Officer

Attachment A - Hourly Fee Estimate

Budget Table
WK DICKSON
UNION COUNTY PUMP STATION REHABILITATION

PLANtrax®

ALL	ALL	Totals →			$ 221,400	$ 176,410	$ 44,990	1,100	$ 160.37	Labor Category							
										9	7	191	59	153	5	34	642
Phase and/or		Task Manager	Start Date	Finish Date	Total Cost	Total Labor Cost	Total ODC	Total Hours	Labor Ave Hourly Rate	Principal $ 290.00	Sr EM/PM $ 255.00	EM/PM $ 230.00	Sr PE $ 205.00	PE $ 185.00	SR Dsgnr $ 165.00	Admin $ 100.00	CO $ 130.00
Task Code	Task Description		1-Jan-25	30-Aug-25	$	$	$		$	Enter hours (not $) below							
	_Construction Admin. Services 01 (LS) - $24,000																
	Project Development				3,755	3,745	10	17	220.29	2	1	10	2			2	
	Project Management: Monthly Invoicing & Budget Tracking, Schedule				8,520	8,520		40	213.00	6		26				8	
	Coordinate & attend preconst meeting				3,685	3,580	105	20	179.00			6		8		2	4
	Shop Drawing Review - Civil				4,300	4,300		22	195.45			6	12			2	2
	Summary Change Order & Closeout				1,940	1,940		10	194.00			4	4			2	
	Final Letter of Certification and Permit Closeout				1,800	1,800		8	225.00	1		3	4				
	_Construction Admin Services 02 (HNTE) - $55,000																
	Monthly Prog Mtgs/Engineer's Site Visits (up to 12)				24,610	24,360	250	120	203.00			48		72			
	Monthly Contractor Pay Req, review (up to 12)				10,980	10,980		60	183.00			12		36			12
	Final Inspection, Punch List, & One (1) Reinspect.				6,265	6,265		29	216.03			20		9			
	Clarifications & Interpretations to Contractor (up to 3)				4,145	4,145		19	218.16			10	9				
	Change Orders (up to 4, beyond summary CO)				9,000	9,000		44	204.55			16	24			4	
	_Electrical Subconsultant CA Services (NTE) - $26,900																
	Subconsultant Coord. - Mgmnt, Review, Document Processing				4,900	4,900		26	188.46		6	4		10		6	
	Shope Drawing Review - Electrical				5,500		5,500										
	Contractor RFIs & Responses				3,300		3,300										
	Site visits - One visit to each PS for Startup/Punchlist				8,800		8,800										
	Record Drawings				4,400		4,400										
	_Special Inspections Subconsultant (NTE) - $17,700																
	Subconsultant Coord. - Mgmnt, Review, Document Processing				3,880	3,810	70	20	190.50			10		6		4	
	Construction Materials Testing & Special Inspections				6,600		6,600										
	Engineering & Support				3,040		3,040										
	Miscellaneous Services (expenses)				4,180		4,180										
	_Construction Observation Services (HNTE) - $85,400																
	Construction Observation for Conformance & Cert.				81,120	81,120		624	130.00								624
	(12 hours per wk, up to 52 weeks)				4,280		4,280										
	_Closeout: As-Built Survey & Record Docs (HNTE) - $12,400																
	As-built Survey (subconsultant) - Site Plans (SE 1, MR, & OH)				4,100		4,100										
	Record Drawings CAD				4,160	4,160		22	189.09			4	4	12		2	
	Combining and submittal of digial record package				1,710	1,485	225	9	165.00			2			5	2	
	One-year warranty inspection				2,430	2,300	130	10	230.00			10					
	Total				$ 221,400	$ 176,410	$ 44,990	1,100	160.37	9	7	191	59	153	5	34	642