APPENDIX

Exhibit A

TASK ORDER

This Task Order pertains to an Agreement by and between UNION COUNTY ("OWNER"), and 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.

TASK ORDER NUMBER: **8678-01**

RELATED RFQ NUMBER: **2024-021**

PROJECT NAME: **FY23 Short Water Line Extension Design – Phase A**

PART 1.0 PROJECT DESCRIPTION:

~~Union County Water (~~"OWNER"~~)~~ has requested ~~WK Dickson (~~"ENGINEER"~~)~~ to develop design plans and specifications for permitting and bidding of a series of waterline extension projects associated with Phase A of the County's FY23 Short Waterline Extension Program. The project consists of design of up to nine separate waterline extensions throughout the County's system, with a combined estimated total of up to 13,120 linear feet of new water distribution mains. The proposed water mains will serve approximately 21 applicant properties of this year's Short Waterline Program and will be designed with the potential to serve approximately 49 additional properties. The main extensions will vary in size from 2-inch to up to 12-inches in diameter. The extensions will be installed primarily via traditional open-cut construction methods, with provisions for horizontal directional drilling and bore and jack methods as needed. The plans will be created using available GIS information, available as-built information, select strip SUE and topographic survey where necessary as mutually agreed upon by the OWNER and ENGINEER. The proposed project limits for each of the waterline extensions areas have been determined by the OWNER and are represented in a set of GIS based maps prepared and provided by the OWNER to the ENGINEER. Additionally, a NCDOT ROW inquiry response and verification for the respective roads for each project area have been provided by the OWNER to the ENGINEER. Int _____

The table below presents a summary of the project areas, along with the respective phases, road names, approximate lengths, and other relevant data:

Phase	UC App No.	Road Name	Length (LF)	No. of Applicants	No. of Properties
A	2023-005	New Town Rd & Belair St	1,350	1	8
A	2023-006	Grove Drive	1,180	1	10
A	2023-012	Stack Road	2,330	3	13
A	2023-019	Sanford Lane	2,220	4	10
A	2023-020	Nesbit Road	1,540	1	4
A	2023-021	Tom Starnes Rd	630	2	4
A	2023-028	Forest Dr	2,600	8	12
A	2023-046	Newell Dr	1,280	1	9
		TOTAL:	**13,120**	**21**	**70**

PART 2.0 SCOPE OF BASIC SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT: Basic Services will be performed in accordance with Section 2.1 to 2.57 of the Task Order, with such services supplemented as provided herein.

Project Management, Planning– The ENGINEER will perform project management and administration activities throughout the design of the project, including the following:

2.1 The ENGINEER will evaluate and coordinate the activities associated with the efficient execution of the project including project development and scoping;

2.2 The 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 to the technical components of the project including design, construction document preparation, and specification development. In addition, the Project Manager will provide ongoing QA/QC of each of the tasks associated with the project quality control reviews to assess conformance to project scope, design criteria, as well as the project budget and schedule;

2.3 The ENGINEER will conduct a kick-off meeting with the OWNER (in a format to be selected by the OWNER) to discuss the project goals and objectives, assess alternatives, and gather any additional available relevant data. The ENGINEER will prepare minutes from the kick-off meeting which will outline items discussed, available data/information, and additional items that may need to be obtained for evaluating existing conditions and /or routes, and initial schedule submittal;

2.4 The ENGINEER shall provide project schedule and financial tracking as follows:

2.4.1 The ENGINEER shall maintain a project schedule in a format acceptable to the OWNER. An updated schedule submittal will be provided to the OWNER upon request.

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

2.4.3 The ENGINEER shall prepare monthly invoices for its services in a format acceptable to the OWNER.

2.5 The ENGINEER shall procure sub-consultants as necessary for the various disciplines associated with the project. Subconsultants shall provide technical oversight, review applicable submittals, and conduct inspections of the Work as needed. The following sub-consultants are anticipated to be utilized on this project:

2.5.1 Surveying – To provide field survey and topographic mapping, as necessary for the ENGINEER's design purposes, depending upon the conditions and requirements for each project area.

2.5.2 Subsurface Utility Engineering (SUE) – Level B SUE will be conducted in a manner consistent with the scope of work and procedure for the identification and mapping of existing underground utilities, as needed, in accordance with the current publication of CI/ASCE 38 "Standard Guidelines for Collection Depiction of Existing Subsurface Utility Data".

2.5.3 Services of Professional Surveyor and Subsurface Utility Engineering sub-consultants, as described above, shall be billed on a "unit price," per linear foot of project area basis, as outlined in PART 6.0, below and Attachment B ~~A~~, as referenced and incorporated herein.

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2.6 For areas in which survey/SUE services are deemed unnecessary, and project drawings are based on available GIS information, at a minimum the utility mapping will include the ENGINEER utilizing the 811 system to request utility owners mark the existing utilities. The ENGINEER will endeavor to include known/marked utilities on the drawings.

2.7 If access to private property is required, the ENGINEER will notify the OWNER so that survey notification letters can be prepared and distributed. The OWNER will prepare and distribute survey notification letters.

Preliminary Engineering – The ENGINEER will provide preliminary (predesign) engineering services consisting of final scoping of the proposed project for each project area, development of initial opinions of probable construction cost, and discussions including meeting with the OWNER regarding the proposed project scope, extent, and intent. Preliminary Engineering is intended to further define the project requirements, deliverables, and schedule milestones, and shall include the following activities:

2.8 The ENGINEER will use NCDOT's verification to NCDOT ROW Inquiry from Union County dated December 5, 2023, and North Carolina Case Law to confirm approximate proposed alignment and anticipated require easements.

2.9 The ENGINEER will send qualified environmental scientist to visit the project site(s) for a one-day field visit to conduct a preliminary evaluation and provide preliminary wetland and stream classification determination of initial field routes of new waterline extensions. The ENGINEER will notify the OWNER if wetland

or stream impacts are anticipated and additional wetland, stream delineation, and surface survey services are expected, if necessary.

2.10 The ENGINEER will visit the project site(s) to further review the proposed project scope and related project requirements. The ENGINEER will perform the initial field routing of new waterline extensions. The ENGINEER will conduct up to four (4) days of field investigation.

2.11 The ENGINEER will develop water line size recommendations using available as-builts, GIS maps, and the OWNER's fire flow testing data reports. The OWNER will provide the ENGINEER with the most current hydrant flow test data, and most current GIS data. Recommendations will assume the proposed extension will serve only the project area, unless OWNER indicates otherwise. In this event, the OWNER will provide the ENGINEER with appropriate parameters and assumptions at beginning of the Task Order. The ENGINEER will provide recommended pipe sizes as part of a 30% Design.

Field Survey and Base Mapping – The ENGINEER will provide limited location survey of the proposed waterline extension areas. The survey will be as needed, as reasonably determined by the ENGINEER, depending upon the existing conditions and anticipated scope of work for each project area. The survey shall include sufficient data to produce a digital corridor base map with the location of all surface features, located underground utilities, and limited topographic information. SUE and Survey services rendered under this "Field Survey and Base Mapping" phase shall be provided on a unit price basis, as described below and in Part 6.0 of this Task Order. The ENGINEER assumes approximately a third of the waterline extension areas will require a field survey. Therefore, the ENGINEER has budgeted for survey and SUE services for up to 3,100 linear feet of new water lines. For areas not surveyed, base mapping shall be performed by the ENGINEER and shall consist of available GIS base data from the OWNER to formulate sufficient data to produce a digital corridor base map. The OWNER will provide the ENGINEER with the most current GIS including, but not limited to, infrastructure (water, wastewater, etc, as available), parcel, road, building envelopes, and other relevant GIS data. The base mapping shall include the following:

2.12 Level B SUE – The ENGINEER's Subconsultant will provide Level B SUE service to be performed in accordance with the standards as set by the American Society of Civil Engineers (ASCE) in publication CI/ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.

2.13 The ENGINEER's sub-consultant will establish vertical and horizontal survey control using RTK GPS methods. Additional surveying control points will be established by conventional surveying methods.

2.13.1 Horizontal datum based on NAD 83 and the vertical datum will be based on NAVD 88. Utilizing project control, a baseline with inter-visible points will be established within the mapping limits of the project. The baseline points will have northing, easting, and elevation data.

2.14 The ENGINEER's subconsultant will perform a limited location survey of proposed waterline corridor. The survey will include but not limited to the storm drainage, fences, sidewalks, concrete structures, above ground appurtenances, buildings, signs, storm drains, and spot elevations as needed, etc. within the existing road right-of way and each alignment.

2.15 The ENGINEER's subconsultant deliverables will feature contour intervals set at 1-ft.

2.16 The ENGINEER's sub-consultant will perform the following only for waterline extension areas requiring easement mapping:

2.16.1 Conduct reconnaissance and locate existing property corners and evidence of property corners to perform existing right-of-way resolution using existing maps and deeds with the project area.

2.16.2 Online research for all maps and documentation needed to perpetuate existing property lines and existing rights of way. Additional Register of Deeds' Office research will be performed and documented as needed to resolve property lines that are not available online.

2.17 The ENGINEER's sub-consultant will provide a plan sheet showing field survey data suitable for the preparation of design plans.

Easement Exhibit and Negotiation Sketch Preparation, and Easement Staking – The project will be constructed, operated, and maintained in existing rights-of-way and easements, and where needed, new easements will be obtained. To assist with acquiring the new easements, the ENGINEER's professional survey sub-consultant will prepare survey maps of the proposed new easements to be acquired.

To efficiently prepare the maps of the proposed easements, the OWNER and the ENGINEER will work together as the project evolves and develops. Proposed easement exhibits are the ENGINEER's approximation based on the best understanding prior to beginning the project, and actual*required easement exhibits may differ. The ENGINEER is not responsible for obtaining easements, rather the OWNER, OWNER's representative, or property owner pursuant to the OWNER's procedures, is responsible for obtaining easements.

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*number of

Upon completion of property deed research, the field surveying of the portions of the properties of the project area and the preliminary engineering of the Project, including the establishment of any underground utility locations, the ENGINEER will identify the potential locations of the easements required for the Project. The OWNER and the ENGINEER will meet to review the preliminary engineering and potential easements. The OWNER and the ENGINEER will determine if any changes will be needed to the project or the proposed easements. Upon the OWNER approving the easement needs and the ENGINEER receiving authorization from the OWNER to prepare the surveys of the potential easements, the ENGINEER's sub-consultant will start the preparation of the surveys of the potential easements exhibits for the Project. The OWNER will compensate the ENGINEER for preparing the easement maps on the per-easement unit cost basis, as described below and in Part 6.0 and Attachment ~~A~~ B, as referenced and

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incorporated herein, of this task order. If the number of required easements increases to more than the number included in this task order, additional easements will need to be added to the task order by amendment as an additional service.

Utilizing the finalized design plans prepared by the ENGINEER's subconsultant, the ENGINEER will prepare and submit to the OWNER an easement map for each affected property for the OWNER to use to begin obtaining the required easements for the Project. The ENGINEER's subconsultant will prepare the easement maps in accordance with the OWNER provided standards. The OWNER intends to acquire easements for the water main alignment not in the public right-of-way. Based upon review of the project areas, NCDOT Right-of-Way determination letter, and the project area maps provided by the OWNER, up to twenty-five (25) easement exhibits are planned and budgeted for. The general requirements for the easement maps shall be as follows:

2.18 Easement maps will comply with the rules set forth by the NC Board of Examiners for Engineers and Surveyors and the NC mapping law;

2.19 Easement maps will be an exhibit to the easement agreements to be prepared by the OWNER and will be prepared on 8.5"x11" sized paper. (8.5"x14" may be utilized if necessary, based on scale/size of the subject parcel);

2.20 All easement maps shall have a general vicinity map, which shall identify the general location of the parcels where the easements(s) shall be proposed;

2.21 All easement maps shall have distinct line types for the easement lines, which will define the easement(s) locations(s) on each parcel;

2.22 All easement maps will identify the applicable jurisdictional boundaries;

2.23 Each parcel requiring an easement will be identified with a parcel identification number for reference to the agreement to be prepared by the OWNER's attorney;

2.24 One digital copy in PDF format of the easement maps will be provided to the OWNER for use in obtaining the easements;

2.25 All easement plats shall be sealed by a Professionally Licensed Surveyor;

2.26 The OWNER will review the form and format of the proposed easement maps for compliance with recording requirements at the county register of deeds;

2.27 The OWNER shall be responsible for negotiating the easements with property owners; and,

2.28 The OWNER shall record the easement documents and return one (1) electronic (PDF) copy to the ENGINEER for our records.

The ENGINEER and the ENGINEER's survey sub-consultant will further support OWNER in easement acquisitions by providing the following, on an as-needed basis, as determined and requested by the OWNER:

2.29 Easement Staking – Staking (marking) of easements(s) by placing survey monuments or markers at intervals along easement lines in order to identify and visually represent location of easement lines. Easement staking will be to provide

representation of easement lines for marking and/or negotiation purposes. This shall include marking of property corners and boundary lines adjacent and/or relevant to easement acquisition and /or negotiations. The ENGINEER has budgeted for the surveyor to stake/mark easements for up to five (5) parcels.

2.30 Easement Negotiation/Physical Feature Exhibits – One page exhibit representing one parcel and proposed easement to aid the OWNER in easement negotiations, coordination with the OWNER's legal counsel, easement acquisition agent, and/or property owners as deemed necessary by the OWNER. Exhibits will be scaled as appropriate based on property/easement size and extents. Exhibits will include physical features of the property, including but not limited to, property and easement boundaries with bearings and distances, aerial imagery background, fences, wood/tree lines(s), existing utilities, paved area/edge, parcel ownership/PID/DB/MB information, structures/building footprints, signage, proposed tree removal and other impacts or features pertinent to easement acquisition. Exhibits will not be certified survey documents and will not be prepared or signed by a licensed professional surveyor and shall be labeled and represented accordingly. The ENGINEER has budgeted approximately six hours of engineering effort and one hour of Project Management/review/coordination time per each exhibit. The ENGINEER has budgeted for up to ten (10) of these exhibits.

Engineering Design: Utilizing the field survey and mapping as well as information resulting from the preliminary design phase, the ENGINEER will prepare the drawing set(s) for each waterline extension area. The ENGINEER will also prepare other contract documents necessary for subsequent phases (permitting and bidding, including, front end documents in the form of the OWNER provided EJCDC Sections, technical specifications, drawing set cover, notes, plan and details sheets, etc. Final design work shall include:

2.31 Prepare horizontal and vertical geometry;

2.32 Prepare plan drawing sheets for proposed waterline extensions. Profile views will be prepared as needed, as determined by the ENGINEER (horizontal scale of 1" = 40' and vertical scale of 1" = 4').

2.33 Prepare erosion control detail sheets.

2.34 Prepare construction contract documents including the OWNER provided standard front-end documents (EJCDC) as well as all required Federal, State, and the OWNER documents. The ENGINEER will develop any additional contract documents necessary for the project, for review and approval by the OWNER.

2.35 Prepare technical specifications suitable for permitting and construction.

2.36 Prepare quantities take off and opinion(s) of probable construction cost.

2.37 The ENGINEER shall provide the OWNER with monthly project design status memoranda, which will include schedule updates and serve to document the general progress of the final design of all waterline extension areas. Memoranda shall outline any project specific challenges, conflicts, and/or circumstances that

are hindering the progress in completing the design phase of any specific waterline extension area(s).

2.38 The ENGINEER shall submit 30% Design, 60% Design, and 90% Design for each waterline extension area drawing set, for each of the single phase, to the OWNER for review and comment. The 30% Design may not include a survey. Electronic copies will be submitted via email. The ENGINEER's project schedule assumes up to 14 days for the OWNER to complete a review of each submittal and provide comments. Should the OWNER need additional time to complete their review beyond the 14 days allocated in the ENGINEER's schedule, the remaining project schedule milestones shall be extended to the equivalent number of days utilized by the OWNER to complete their review beyond the 14 days that are originally allocated.

2.39 The ENGINEER shall meet with the OWNER one (1) time for each review to discuss the draft submittal and comments resulting from the OWNER's review.

2.40 Upon subsequent submittals, the ENGINEER shall maintain and provide a comments and response log to the OWNER.

2.41 Throughout the development of the design documents and concurrent with the OWNER review, the ENGINEER shall conduct a thorough internal QA/QC review in accordance with ENGINEER's policies and procedures for the deliverables outlined in Paragraph 2.38. The ENGINEER's QA/QC review program shall be completed prior to issuing final documents to the OWNER.

2.42 Finalize and submit design documents to the OWNER electronically (PDF), via e-mail.

2.43 Geotechnical investigation is not included. If horizontal direction drilling (HDD) is determined to be the most appropriate installation method, geotechnical investigation can be obtained as additional services.

Permitting: Based upon the OWNER's approval of the "packages," the ENGINEER will prepare and submit applications for permits to the applicable agencies necessary to allow for the construction of the project. The ENGINEER has budgeted for up to one (1) permit submittal. The ENGINEER shall be available to answer inquiries made by the various regulatory agencies during the reviews of the Project. Based on the ENGINEER's assessment of the project scope and requirements, the following permit are scoped:

2.45 NCDEQ- Public Water Supply Section – A Construction Permit and Approval to Place into Operation will be required for each of the permit/bid packages. The ENGINEER has budgeted for one (1) permit package submittal. A permit fee is anticipated for each submittal, however, permit fee will be based upon the linear footage of the new water main in each submittal package. The ENGINEER has budgeted up to $400.00 per permit submittal.

2.46 NCDEQ – Division of Energy, Mineral, and Land Resources, Erosion and Sediment Control – It is anticipated that an erosion control permit will be required for this Project. The ENGINEER assumes one submittal and one resubmittal. The

ENGINEER will also attend one (1) in-person meeting at NCDEQ's Mooresville Office. The ENGINEER proposes utilizing NCDEQ's Permitting Plan Review process and has budgeted accordingly herein. Permitting fees are anticipated; the fee for Permitting Review is a total of $100.00 per acre, assuming up to eight acres of disturbed area for, the ENGINEER has budgeted up to $800 in permit fees. The ENGINEER assumes wetland impacts will be below allowable permitted thresholds. If wetland impacts are determined to be above allowable thresholds, the ENGINEER can provide additional permitting services as an additional service.

2.46.1 The ENGINEER will provide stream classification as necessary in support of NCDEQ Erosion and Sediment Control permitting process. The ENGINEER will fill out Notice of Intent for execution by OWNER. OWNER to pay Notice of Intent fee.

2.47 NCDOT Encroachment – The ENGINEER will prepare and submit an Encroachment Agreement Package (NCDOT Form 16.1) and supporting documentation for each of the new water main extension permit/bid packages. Recently NCDOT has allowed for some grouping of separate project areas (roads) within one submittal, based upon their proximity and/or complexity. Based thereon, the ENGINEER has budgeted for up to five (5) EA16.1 package submittals. No permit fee is anticipated.

Permitting fees and costs as reimbursable expenses shall be limited to the actual expenditures made by the ENGINEER during the performance of the work. Permit costs and fees paid for securing approvals of authorities having jurisdiction over the Project are considered reimbursable expenses and will be compensated at cost by the OWNER, subject to the not-to-exceed amount for Permitting set forth in Section 6.1.1.

Bidding – Upon receiving the required approvals from the regulatory agencies and the OWNER, the ENGINEER shall proceed with the Bidding portion of the project. Bidding will have no prequalification of bidders. The ENGINEER has budgeted for up to one (1) separate bid package/effort, being advertised and bid no more than one (1) time. Bidding will consist of the following tasks:

2.48 The ENGINEER shall provide to the OWNER one hard copy and one PDF (via e-mail) of final bidding documents, including drawing set and project manual, prior to issuance of public advertisement;

2.49 Issue a public advertisement for the project to the OWNER (advertising/listing in a newspaper and cost of advertising in a newspaper is the OWNER's responsibility) and advertise in the ENGINEER's digital plan room;

2.50 Coordinate plans and specifications distribution for bidding purposes through the ENGINEER's digital plan room;

2.51 Respond to Contractor questions concerning the plans and specifications;

2.52 Prepare up to two (2) addenda in response to any Contractor requests for clarification of the bid documents and coordinate with the OWNER in review, approval, and distribution of said addenda;

2.53 Conduct/assist the OWNER with the Bid Opening at the OWNER's offices;

2.54 Analyze the Bids and issue a recommendation of award to the OWNER;

2.55 Issue Notice of Award to successful Contractor;

2.56 Prepare contract documents for execution by the Contractor and the OWNER and distribute conforming copies of the construction contract documents to the OWNER and Contractor. These services will include furnishing the Contractor with unsigned construction contract documents, review of Contractor bonds and insurance certificates, and transmitting the construction contract documents to the OWNER for review and acceptance by the OWNER, signature and final distribution to the Contractor. The ENGINEER shall distribute conformed contract documents as follows:

2.56.1 The OWNER shall be provided with one complete half scale hard copy and one PDF (via e-mail) of the drawings, one PDF (via e-mail) of the project manual and five (5) hard copies of the project manual.

2.56.2 Contractor shall be provided with three hard copies and one PDF (via email) of conformed contract documents (drawings and project manual).

2.57 The ENGINEER's review of insurance certificates is only for the purpose of determining if the Contractor maintains the general types and amounts of insurance required by the contract documents and is not a legal review to determine if the Contractor's insurance complies with applicable requirements.

PART 3.0 ADDITIONAL SERVICES, NOT PART OF BASIC SERVICES:

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

PART 4.0 OWNER'S RESPONSIBILITIES:

The OWNER shall be required to provide the ENGINEER with access to the Site, where necessary. Additionally, the OWNER will provide, or has already provided, to the ENGINEER the following:

4.1 Finalized list of waterline extension areas;

4.2 Conceptual map of each waterline extension areas;

4.3 Access to the project site(s);

4.4 Available utility as-built, GIS, water model and CAD data for mapping purposes;

4.5 Assistance, as needed, with providing and/or confirming property records, and;

4.6 List of applicants and water utility customers based upon the OWNER's billing data.

PART 5.0 PERIODS OF SERVICE:

ENGINEER will endeavor to complete each phase of the Task Order, as specified below, within the time specified below upon written notification from by the OWNER:

5.1	Survey	Month 1 – 3
5.2	Preliminary Engineering	Month 1 – 3
5.3	Design	Month 3 – 7
5.4	Easement Mapping & Acquisition	Immediately upon completion of 90% documents, or sooner, as approved by OWNER.
5.5	Permitting[1]	Immediately upon Completion of 90% documents, as approved by OWNER.
5.6	Bidding[2]	Immediate Upon Completion of Permitting.

Notes:

1. The ENGINEER will submit all project elements for permitting as shown in the above referenced time frame. The ENGINEER does not guarantee that permits and/or encroachments shall be issued within said time frame.
2. Bidding services shall be provided to the OWNER by the ENGINEER in accordance with the schedule dictated by the OWNER.

PART 6.0 PAYMENTS TO ENGINEER:

6.1 Payment for Basic Services:

6.1.1 Basic Services. The OWNER shall pay the ENGINEER for services set forth in Part 2.0, Scope of Services, on a lump sum and Per Diem basis, as set forth in Section 6.1 of the Agreement, not to exceed **$279,600.00** as outlined below:

Project Management & Planning (LS)	$ 20,400.00
Preliminary Engineering (LS)	$ 15,000.00
Field Survey & Mapping (HNTE)	$ 41,500.00
Centerline to ROW	
Level B SUE: $3.00 /LF x up to 2,000 LF	
Survey: $5.40 /LF x up to 2,000 LF	
ROW to ROW	
Level B SUE: $3.30 /LF x up to 1,600 LF	
Survey: $9.00 /LF x up to 1,600 LF	
Easement Exhibits, up to 25 (HNTE)	$ 45,800.00
Easement Staking, up to 5 Easements/Parcels (HNTE)	$ 7,540.00
Easement Negotiation/Feature Sketches, up to 10 (HNTE)	$ 8,460.00
Engineering Design (LS)	$ 97,900.00
Permitting (Reimbursable expenses and hourly fee with a total NTE)	$ 29,000.00
Bidding (HNTE)	$ 14,000.00
TOTAL	$ 279,600.00

6.1.2 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 completed as of the day of billing.

6.1.3 For Hourly, Not to Exceed (HNTE) Fee work, the ENGINEER will bill the OWNER on the last day of each month for the labor and expenses incurred during that month. All hourly fee work will be charged based upon the labor category performing the work and corresponding hourly rate set forth in "Attachment A," which is incorporated herein by reference.

6.1.4 Additional Services. The OWNER shall pay the ENGINEER for additional services, which are not specifically called for in Part 2.0, Scope of Services, in accordance with the ENGINEER's standard rates. Additional Services will be paid only upon execution of an amendment to this Task Order or a new Task Order.

6.2 Payment for Additional Services:

Payment for Additional Services outside of the Basic Services Scope of Work

shall be based upon a mutually agreed upon fee using a firmly defined scope of services. No work outside of the Basic Services will be performed without a fully executed amendment to this Task Order.

This Task Order is executed this_____.

OWNER UNION COUNTY, NORTH CAROLINA	ENGINEER W.K. DICKSON & CO., INC.
By:_____	By:_____
Name: Brian W. Matthews	Name: Brian L. Tripp, PE, BCEE
Title: County Manager	Title: Vice President/Regional Manager
Address: 500 N. Main St. Monroe, NC 28112	Address: 1213 W. Morehead St., 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
W.K. DICKSON & CO., INC.
2024 RATE SCHEDULE

LABOR	**2024**
Principal	$275.00/hr.
Senior Consultant	$245.00/hr.
Senior Project Manager	$245.00/hr.
Senior Engineering Manager	$245.00/hr.
Senior Electrical Engineer	$245.00/hr.
Project Manager	$220.00/hr.
Engineering Manager	$220.00/hr.
Senior Project Engineer	$190.00/hr.
Electrical Engineer	$190.00/hr.
Project Engineer	$175.00/hr.
Senior Project Controller	$158.00/hr.
Project Controller	$140.00/hr.
Senior Scientist	$158.00/hr.
Scientist	$144.00/hr.
Senior Planner	$200.00/hr.
Planner	$148.00/hr.
Senior Engineering Designer	$155.00/hr.
Engineering Designer	$145.00/hr.
Senior GIS Analyst	$165.00/hr.
GIS Analyst	$140.00/hr.
GIS Technician	$120.00/hr.
Senior Construction Observer	$145.00/hr.
Construction Observer	$120.00/hr.
Senior Funding Support Specialist	$135.00/hr.
Funding Support Specialist	$125.00/hr.
Project Administrator	$90.00/hr.

EXPENSES	
Reproductions	Cost
Mileage	IRS Rate
Telephone, Postage	Cost
Travel (Meals/Lodging)	Cost
Subconsultants	~~Cost + 10%~~ As set forth in 6.1.5 of the Agreement

~~**Note:** The above rates are effective January 1, 2024. WK Dickson reserves the right to revise to reflect inflationary increases.~~

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Attachment B - Hourly Fee Estimate

Budget Table
WK Dickson & Co., Inc.
FY23 Short Waterline Extensions Phase A Design

PLANtrax®

ALL	ALL	Totals →			$ 279,600	$ 197,424	$ 82,176	1,143	$ 172.72	Labor Category							
										14	224	178	77	521	39	18	40
										Principal	PM - JRB	SPE	PE - Kate	ED- Caleb	Admin.	Env.-Zurlo	EM-Lyon
Phase and/or		Task Manager	Start	Finish	Total	Total	Total	Total	Labor Ave	$ 275.00	$ 220.00	$ 190.00	$ 155.00	$ 145.00	$ 90.00	$ 158.00	$ 220.00
Task Code	Task Description		1-Aug-24	31-Dec-25	$	$	$	Hours	Hourly Rate	Enter hours (not $) below							
	_Mgmnt. & Planning ($20,400)																
	Project Development, Mgmnt., research, etc.		1-Aug-24	30-Sep-24	5,730	5,700	30	28	203.57	2	16	4		6			
	Review of existing cond & project data provided by Owner		1-Aug-24	30-Sep-24	4,590	4,590		27	170.00		9			18			
	Kick-off meeting w/OWNER (In person at Owner's office)		1-Aug-24	30-Sep-24	3,150	3,090	60	18	171.67		4	4		10			
	Meeting Minutes and Initial Schedule Deliverable		1-Aug-24	30-Sep-24	1,530	1,530		9	170.00		3			6			
	Invoicing & Project Accounting & Schedule Updates (~10 months)		1-Aug-24	30-Jun-25	5,400	5,400		26	207.69	6	15				5		
	_Preliminary Engineering ($15,000)																
	Review NCDOT ROW Inquiry w/ Alignments		1-Aug-24	8-Aug-24	1,905	1,900	5	10	190.00		6			4			
	Preliminary Wetland Determination		22-Aug-24	5-Sep-24	3,434	3,284	150	20	164.20		2					18	
	Develop waterline size recommendations & Review Hydrant FF data		19-Sep-24	3-Oct-24	3,030	3,030		18	168.33		2	6		10			
	Site Visits & Field Routing		22-Aug-24	30-Sep-24	6,631	6,355	276	34	186.91		4			15			15
	_Field Survey & Mapping ($41,500)																
	Survey subconsultant Coord. & Management		1-Sep-24	31-Dec-24	5,020	4,950	70	31	159.68		9			18	4		
	SUE - Road Centerline to ROW (2000 LF x $3.00/LF)		1-Oct-24	31-Dec-24	6,000		6,000										
	Survey - Road Centerline to ROW (2000 LF x $5.40/LF)		1-Oct-24	31-Dec-24	10,800		10,800										
	SUE - ROW to ROW (1,600LF x $3.3/LF)		1-Oct-24	31-Dec-24	5,280		5,280										
	Survey - ROW to ROW (1,600 LF $9.00/LF)		1-Oct-24	31-Dec-24	14,400		14,400										
	_Easement Mapping & Exhibits (up to 25) ($45,800)																
	Sub Coord., Review (QA/QC), Inventory, Process, etc.		1-Jun-25	30-Jul-25	6,340	6,265	75	37	169.32		12			25			
	Exhibits (1 - 2 pgs) - Up to 12 x $910.00/ea		1-Jun-25	30-Jul-25	10,920		10,920										
	Exhibits (3 - 6 pgs) - Up to 6 x $1,490.00/ea		1-Jun-25	30-Jul-25	8,940		8,940										
	Exhibits (7 - 10 pgs) - Up to 4 x $2,030/ea		1-Jun-25	30-Jul-25	8,120		8,120										
	Exhibits (11 - 15 pgs) - Up to 3 x $2,620.00/ea		1-Jun-25	30-Jul-25	7,860		7,860										
	Coordinate w/ Owner on Required Easements		1-Jun-25	30-Jul-25	3,620	3,560	60	20	178.00		4	8		8			
	_Staking & Negotiation Sketches ($16,000)																
	Easement staking, as needed (up to 5 easement/parcels)		1-Jun-25	31-Aug-25	7,540	1,140	6,400	6	190.00			6					
	Physical Features Exhibit/Negotiation Sketch (up to 10)		1-Jun-25	31-Aug-25	8,460	8,100	360	50	162.00		10		10	30			
	_Design Services ($97,900)																
	Base Map Digitization		1-Aug-24	31-Oct-24	7,040	7,040		48	146.67				8	40			
	General Drawing setup - Cover sheets, vics, etc.		1-Sep-24	31-Dec-24	7,540	7,540		48	157.08		4	4	10	30			
	Plan Sheets		1-Sep-24	30-Mar-25	31,205	31,160	45	178	175.06		16		20	100			10
	Detail Sheets		1-Nov-24	28-Feb-25	6,450	6,450		42	153.57		4		6	32			
	Erosion Control Design and Details		1-Feb-25	30-Apr-25	9,475	9,475		61	155.33			12	9	40			
	Front End Contract Documents		1-Mar-25	31-May-25	3,570	3,570		21	170.00		6	9			6		
	Technical Specifications		1-Mar-25	31-May-25	5,565	5,565		30	185.50		9	12		9			
	Quantities/OPC		1-Mar-25	31-May-25	5,940	5,940		35	169.71		5		4	20			6
	Owner submittal & Comments Review/implimentation		1-May-25	30-Jun-25	5,700	5,580	120	32	174.38		12		4	16			
	WKD QA/QC Review of each package		1-Apr-25	30-Jun-25	6,495	6,450	45	31	208.06	6	6	6			4		9
	Impliment Comments & Finalize Submittal		1-Jun-25	30-Jun-25	8,920	8,920		55	162.18		4	18		30	3		
	_Permitting ($29,000)																
	NCDEQ Public Water Supply - ATC		1-Apr-25	30-Jun-25	2,650	2,200	450	12	183.33		4	6			2		
	NCDEQ Erosion Control - Express Review (up to 8 ac.)		1-Apr-25	30-Jun-25	8,310	7,510	800	42	178.81		6	24		10	2		
	Meetings at Mooresville DEQ Office, up to 1		1-Apr-25	30-Jun-25	2,500	2,400	100	12	200.00		4	8					
	NCDOT Encroachment (Estimate 5 packages)		1-Apr-25	30-Jun-25	4,660	4,660		28	166.43		8			20			
	Address Permitting Comments and update CDs		1-Apr-25	30-Jun-25	10,880	10,850	30	62	175.00		12	20	6	24			
	_Bidding ($14,000)																
	Draft Advertisement & List Plans		1-Sep-25	30-Sep-25	716	620	96	4	155.00		2				2		
	Contractor Inquiries		1-Oct-25	30-Nov-25	3,240	3,210	30	17	188.82		6	9			2		
	Prep & Issue Addenda (up to 2)		1-Oct-25	30-Nov-25	2,580	2,580		14	184.29		4	8			2		
	Bid Opening, Tabulation, & Letter of Rec. (2)		1-Oct-25	30-Nov-25	2,440	2,260	180	12	188.33		6	4			2		
	Review bid, quals, references, etc.		1-Nov-25	30-Nov-25	1,640	1,640		8	205.00		4	4					
	Coord. Contract Execution & Award		1-Nov-25	30-Nov-25	1,060	1,060		6	176.67		4				2		
	Prep & Provide RFC CDs		1-Nov-25	30-Nov-25	2,324	1,850	474	11	168.18		2	6			3		
	Total				$ 279,600	$ 197,424	$ 82,176	1,143	172.72	14	224	178	77	521	39	18	40