

STATE OF NORTH CAROLINA

AMENDMENT #1

COUNTY OF UNION

This Amendment, made and entered into as of the \_\_\_\_ day of \_\_\_\_\_, 2021, by and between UNION COUNTY, with principal offices at 500 N. Main St., Monroe, North Carolina, 28112, hereinafter referred to as "OWNER," and WK Dickson & Co., Inc. with offices at 1213 W. Morehead Street, Suite 300 Charlotte, NC 28208, hereinafter referred to as "ENGINEER,"\* shall modify as indicated that Task Order 2017-17 (the "Task Order"), dated Int. \_\_\_\_\_ January 11, 2021 of the Agreement between OWNER and CONSULTANT for Professional Engineering Services dated January 4, 2017 (the "Agreement").

\* or "CONSULTANT"

W I T N E S S E T H:

WHEREAS, the parties entered into the Task Order, pursuant to which CONSULTANT agreed to provide OWNER with development of design plans and specifications for permitting and bidding of a series of waterline extension projects associated with the County's FY21 Short Waterline Extension Program.

WHEREAS, it has been determined that services outside the scope of the original Task Order, including additional design services, are needed related to the FY21 Short Waterline Extensions Project; and

WHEREAS, the parties agree to the services set forth below should be added to the Task Order related to this project.

NOW, THEREFORE, in consideration of the parties' continuing obligations under the Agreement and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto do each contract and agree with the other as follows:

1. In Part 1.0 PROJECT DESCRIPTION OF THE TASK ORDER, add the following summary at the end of the section:

Union County ("OWNER") has requested that WK Dickson ("ENGINEER") develop design plans and specifications for permitting and bidding of a series of waterline extension projects associated with the County's FY21 Short Waterline Extension Program.

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

2. In Part 2.0., SCOPE OF BASIC SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT, add the following phases as the end of the section:

### **PHASE 1 – Addition of Paula Ln / Gary Drive extension project area**

- 2.53 ENGINEER will conduct field routing and engineering design for the additional waterline extension area on Paula Lane/Gary Drive.
- 2.54 ENGINEER's professional survey subconsultant will provide additional SUE and field survey services consistent with unit pricing as presented in original Task Order.

### **PHASE 2 – Easement Exhibits**

- 2.55 ENGINEER will engage professional survey subconsultant in preparation of Easement Exhibits, as outlined in the Original Task order.
- 2.56 An addition of up to fifty-five (55) easement exhibits are necessary to complete the entire scope of the project. The original Task Order included up to thirty (30) easement exhibits and ENGINEER currently estimates a total of eighty-five (85) easement exhibits are necessary to complete the project.
- 2.57 Due to the size and complexity of the parcel boundaries for some parcels, some parcels require multiple page easement exhibits. The following categories of easement exhibits are necessary:
  - 2.57.4 1 – 2 pages (5 hours of CAD and 1.5 hours of PLS) – We have budgeted for up to **30** of these easement exhibits.
  - 2.57.5 3 – 6 pages (8 hours of CAD and 2 hours of PLS) – We have budgeted for up to **15** of these easement exhibits.
  - 2.57.6 7 – 10 pages (12 hours of CAD and 2.5 hours of PLS) – We have budgeted for up to **5** of these easement exhibits.
  - 2.57.7 11 – 15 pages (16 hours of CAD and 3 hours of PLS) – We have budgeted for up to **5** of these easement exhibits.

### **PHASE 3 – Subsurface Exploration / Geotechnical Investigation**

- 2.58 Stream crossing on Old Fish Road requires subsurface exploration. This work is necessary to gather information regarding subsurface conditions sufficient for final design of trenchless installation methods. Geotechnical work includes:
  - 2.58.4 Two (2) borings at Old Fish Road. Borings shall be up to 20 feet each for a not to exceed total linear footage of 40 feet. Included herein is one mobilization and up to two hours of hand clearing and site prep.
  - 2.58.5 Rock coring will be performed as necessary within each of the two bores. If auger refusal is encountered at a depth less than 20 feet, the remaining depth of the boring will be extended by rock coring.
  - 2.58.6 Traffic control, as necessary – up to one (1) day.

### **PHASE 4 – Level A SUE at PNG Gas Transmission Main Crossings**

- 2.59 The proposed waterlines on Old Fish Road and Unionville Brief Road cross natural gas transmission pipelines owned by Piedmont Natural Gas (PNG). Elevations of the gas lines within PNG's easement must be determined. Level A SUE data collection is necessary to locate and precisely represent on construction documents, the location and depth of the existing gas main

pipelines. In addition to Level B SUE as outlined in item 2.9, ENGINEER will provide Level A SUE as follows:

2.59.4 Engage with sub-consultant to perform Level A SUE (test holes) in up to six (6) locations via vacuum excavation to locate existing gas mains and identify size, depth, and material. This information will be incorporated into the final field survey. Traffic control will be utilized as needed based on the test hole locations to provide a safe work space.

2.59.5 ENGINEER will coordinate with PNG for approval of Level A SUE procedure.

2.59.6 ENGINEER will be on site to supervise Level A SUE operations.

3. In Part 5.0., PERIODS OF SERVICE, add the following at the end of this section:

5.5 Begin immediately upon OWNER approval – This additional work is anticipated to require approximately three (3) months.

4. In Part 6.0., PAYMENTS TO ENGINEER, *6.1 Payment for Basic Services 6.1.1*, increase the lump sum and hourly basis, not to exceed amount by \$99,460.00, by deleting the phrase "a lump sum and hourly basis, not to exceed \$453,750.00" and replacing it with the phrase "a lump sum and hourly basis, not to exceed \$553,210.00."

5. In Part 6.0., PAYMENTS TO ENGINEER, *6.1 Payment for Basic Services 6.1.1*, change the following totals at the end of the section and add totals for Amendment 1 services, as follows:

Description/Phase	Original Contract	Proposed Fee Increase	Amended Fee
1 - Preliminary Engineering (LS)	\$38,300.00	\$290.00	\$38,590.00
2 - Field Survey & Mapping (HNTE)			
2.1- Subconsultant Coordination	\$6,600.00	\$16,605.00	\$23,205.00
2.2 - Level B SUE: 1.65/LF x up to 20,000 530 LF	\$33,000.00	\$874.50	\$33,874.50
2.3 - Survey: 3.85/LF x up to 20,000 530 LF	\$77,000.00	\$2,040.50	\$79,040.50
3 - Easement Map Prep ( <del>\$715/Map</del> x up to 30 85 NTE)	\$21,450.00	\$55,375.00	\$76,825.00
4 - Engineering Design (LS)	\$190,500.00	\$2,160.00	\$192,660.00
5 - Post-design Package Assembly (HNTE)	\$20,000.00		\$20,000.00
6 - Permitting (reimbursable expenses and hourly fee work with a total NTE)	\$33,800.00	\$780.00	\$34,580.00
7 - Bidding (HNTE)	\$33,100.00		\$33,100.00
8 - Subsurface Investigation (HNTE)		\$12,815.00	\$12,815.00
9 – Level A SUE (HNTE)		\$8,520.00	\$8,520.00
<b>TOTAL:</b>	<b>\$453,750.00</b>	<b>\$99,460.00</b>	<b>\$553,210.00</b>

6. In Part 6.0., PAYMENTS TO ENGINEER, *6.1 Payment for Basic Services 6.1.1*, add the following at the end of this section and include the referenced attachments at the end of the Task Order:

The hourly fee estimate is included in Attachment 1, which is attached and incorporated herein by reference.

Int. \_\_\_\_\_

Except as herein amended, the terms and provisions of the Task Order shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto, acting under authority of their respective governing bodies, have caused this Amendment to be duly executed, this the day and year first above written.

WITNESS:

UNION COUNTY

By: \_\_\_\_\_  
Lynn G. West  
Clerk to the Board

By: \_\_\_\_\_  
William Mark Watson  
County Manager

WITNESS:

WK DICKSON & CO., INC.

By: \_\_\_\_\_

By: \_\_\_\_\_

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

Approved as to Legal Form: KLC

\_\_\_\_\_  
Deputy Finance Officer

PROJECT:

CLIENT:

PREPARED BY:

DATE:

FY21 Short Waterline Extensions Project - Amendment No. 1

Union County, NC

JRB

11/5/2021

11/5/2021

W.K. Dickson & Co., Inc.

Work Task Description	PERSONNEL CLASSIFICATIONS										Sub-Total
	Principal	Project	Sr. Project	Project	Sr.	Designer	Designer	CAD	Project	Expenses	
	Hours	Manager	Engineer	Engineer	Designer			Designer	Admin	(From	
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Col "T")	
<b>Additional Area - Paula Ln / Gary Drive (LS/NTE)</b>											
Preliminary Engineering - Field Routing (LS)						2				\$ -	\$ -
Engienering Design - Project Management (LS)			2							\$ 20	\$ 290
Engineering Design - CAD Production (LS)						10				\$ -	\$ 1,350
Engineering Design - Quantities, OPC (LS)			1			2				\$ -	\$ 450
SUE (Unit Price \$1.65/LF X 530 LF) (NTE)										\$ 875	\$ 875
Survey (Unit Price - \$3.85/LF X 530 LF) (NTE)										\$ 2,041	\$ 2,041
										\$ -	\$ -
										\$ -	\$ -
<b>Additional Easement Exhibits (up to 55) (HNTE)</b>											
Sub Coord - Review, inventory, process, etc.			28				55			\$ -	\$ 12,465
Easement Exhibits (1 - 2 pgs) - Up to 30 x \$715.00/ea										\$ 21,450	\$ 21,450
Easement Exhibits (3 - 6 pgs) - Up to 15 x \$1,035/ea										\$ 15,525	\$ 15,525
Easement Exhibits (7 - 10 pgs) - Up to 5 x \$1,595/ea										\$ 7,975	\$ 7,975
Easement Exhibits (11 - 15 pgs) - Up to 5 x \$2,085/ea										\$ 10,425	\$ 10,425
										\$ -	\$ -
										\$ -	\$ -
<b>Geotechnical Investigation (HNTE)</b>											
Two (2) Broings (at Old Fish Rd)										\$ -	\$ -
Sub Coord - Scheduling, site visit, review deliverable, etc.			4			8				\$ 30	\$ 1,950
Geotechnical Sub Fee (ECS):										\$ -	\$ -
Two borings, one mobilizations, and up to two hours of hand clearing										\$ 6,545	\$ 6,545
Rock Coring per bore - \$1,815 * 2 bores										\$ 3,630	\$ 3,630
Traffice control - \$2,640 per day * Up to 1 day										\$ 2,640	\$ 2,640
Additional Clearing - None										\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
<b>Level ASUE at PNG crossings (HNTE)</b>											
Sub Coord - PM, Scheduling, Site visit, etc.			2			12				\$ 30	\$ 2,190
PNG Coord/approval			1			4				\$ -	\$ 780
Sub Fee - \$396/Hr x 20 Hours = \$7,920										\$ 7,920	\$ 7,920
Sub Fee - Sand (\$60.00/Cu Yrd, up to 10 Cu Yrds)										\$ 600	\$ 600
										\$ -	\$ -
										\$ -	\$ -
PROJECT HOURS	0.0	38.0	0.0	24.0		69.0		0.0	0.0	0.0	
RATE/Hour	\$235.00	\$180.00	\$160.00	\$150.00		\$135.00		\$125.00	\$77.00		
TOTAL ENGINEERING COSTS	\$0	\$6,840	\$0	\$3,600		\$9,315		\$0	\$0	\$0	\$ 79,705
											\$ 99,460
											\$ 99,460

Expenses	Motel	Meals	Sub Consultant	Total
Travel /mile	\$/day	\$/day	Expense	
\$ 0.54	\$ 115	30		
				\$ -
				\$ -
\$ 20				\$ 20
				\$ -
				\$ -
				\$ -
			\$ 875	\$ 875
			\$ 2,041	\$ 2,041
				\$ -
				\$ -
				\$ -
			\$ 21,450	\$ 21,450
			\$ 15,525	\$ 15,525
			\$ 7,975	\$ 7,975
			\$ 10,425	\$ 10,425
				\$ -
				\$ -
				\$ -
\$ 30				\$ 30
				\$ -
			\$ 6,545	\$ 6,545
			\$ 3,630	\$ 3,630
			\$ 2,640	\$ 2,640
				\$ -
				\$ -
				\$ -
\$ 30				\$ 30
				\$ -
			\$ 7,920	\$ 7,920
			\$ 600	\$ 600
				\$ -
				\$ -

<b>Fee Summary</b>		
Additional Area - Paula Ln / Gary Drive (LS/NTE)	\$	5,365.00
Additional Easement Exhibits (up to 55) (HNTE)	\$	67,840.00
Geotechnical Investigation (HNTE)	\$	14,765.00
Level ASUE at PNG crossings (HNTE)	\$	11,490.00
<b>Grand Total:</b>	\$	99,460.00
Original TO Fee:		\$ 453,750.00
Total TO Amended Fee:		\$ 553,210.00