00 91 03 ADDENDUM NUMBER 03

Owner: City of Wilson, North Carolina

Project: Goldsboro Ph II Water Main Replacement (SRP-D-ARP-0125)

Project No.: WLN22846

Addendum No. 03

Addendum Date: May 2, 2024

The following additions, deletions, modifications, or clarifications shall be made to the appropriate portions of the Contract Documents. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form.

Approved by: Freese and Nichols, Inc.

Name: Krista Paredes, P.E.

Date: May 2, 2024



Freese and Nichols, Inc.,

North Carolina Registered Engineering Firm, C-3916

Addendum Items:

Article 1 – Addendum

Article 2 - Specifications

Section 00 41 16

Section 01 29 01

Article 3 – Drawings

Sheet PP-8

Sheet PP-9

Attachment A – Response to Bidders Questions

ARTICLE 1 - ADDENDUM

- 1.01 Amend the Contract Documents
 - A. Make the additions, modifications, or deletions to the Contract Documents described in this Addendum.
- 1.02 Acknowledge Addenda
 - A. Acknowledge receipt of this Addendum in the Bid Form submitted for this Project. Failure to acknowledge receipt of this addendum in the Bid Form may render the Bid as non-responsive and serve as the basis for rejecting the Bid.

ARTICLE 2 – SPECIFICATIONS

- 2.01 Section 00 41 16 "Bid Form Exhibit A"
 - A. Delete Section 00 41 16 "Bid Form Exhibit A" and replace it with Section 00 41 16 "Bid Form Exhibit A" included with this Addendum. Submit only the revised form with the Bid.
- 2.02 Section 01 29 01 "Measurement and Basis for Payment"
 - A. Delete Paragraph 1.04.D.2 entirely and insert the following in its place:
 - "Payment of this item shall include excavation around existing fittings, valves, valve boxes, manholes, and any other appurtenance associated with the line being abandoned, including plugs, caps, and any other appurtenances, and filling the pipe and void spaces with flowable fill. Payment shall also include all materials, labor, and equipment as may be required for the execution of this work, and disposal of any removed items."
 - B. Delete Paragraph 1.05

ARTICLE 3 – DRAWINGS

- 3.01 Sheet PP-8 "Plan and Profile Goldsboro St Sta 10+00.00 to Sta. 18+00.00"
 - A. Amend callout located in Plan View at STA 10+05 as follows:

INSTALL 1 – 2" ARV & MANHOLE N=713763.28 E2318693.33

- 3.02 Sheet PP-9 "Plan and Profile Goldsboro St Sta 19+00.00 to Sta. 21+30"
 - A. Revise easement from 20' PUE to Variable Width PUE with no TCE.

END OF SECTION

00 41 16 Bid Form Exhibit A

Project:	Goldsboro Phase II Water Main Replacement SRP-D-ARP-0125	Project No.:
Owner:	The City of Wilson	WLN22846
Design Professional:	Freese and Nichols, Inc.	
Bidder:		

Base Bid

Item	em l					
No.	Item Description	Unit	Est Qty	Unit Price	Extended Amount	
	Items in Base Bid per MSSD Section 00950					
1	Aggregate Backfill (Paragraph 1.1.A)	CY	870			
2	Pavement Removal and Replacement (Paragraph 1.1.F)	SY	150			
3	Remove and Replace Asphalt Drive (Paragraph 1.1.H)	SY	430			
4	Remove and Replace Concrete Drive (Paragraph 1.1.H)	SY	330			
5	Select Fill (Paragraph 1.1.L)	CY	550			
6	Bedding Stone for Water Pipe (Paragraph 1.2.A)	CY	380			
7	6" DI Restrained Joint Pipe (Paragraph 1.2.G)	LF	20			
8	8" DI Restrained Joint Pipe (Paragraph 1.2.G)	LF	130			
9	12" DI Restrained Joint Pipe (Paragraph 1.2.G)	LF	1,920			
10	16" DI Restrained Joint Pipe (Paragraph 1.2.G)	LF	2,360			
11	24" DI Restrained Joint Pipe (Paragraph 1.2.G)	LF	2,450			
12	Bored and Jacked 16" DI RJ Pipe (Paragraph 1.2.H)	LF	150			
13	Bored and Jacked 24" DI RJ Pipe (Paragraph 1.2.H)	LF	130			
14	30" Steel Encasement Pipe (Bored) (Paragraph 1.2.I)	LF	150			
15	42" Steel Encasement Pipe (Bored) (Paragraph 1.2.I)	LF	130			
16	6" 90 Deg Bend (Paragraph 1.2.L)	EA	4			
17	8" 45 Deg Bend (Paragraph 1.2.L)	EA	2			
18	8" 90 Deg Bend (Paragraph 1.2.L)	EA	3			
19	12" 11.25 Deg Bend (Paragraph 1.2.L)	EA	2			
20	12" x 6" Tee (Paragraph 1.2.L)	EA	4			
21	12" x 8" Tee (Paragraph 1.2.L)	EA	2			
22	16" 11.25 Deg Bend (Paragraph 1.2.L)	EA	3			
23	16" 22.5 Deg Bend (Paragraph 1.2.L)	EA	2			
24	16" 45 Deg Bend (Paragraph 1.2.L)	EA	8			
25	16" x 6" Tee (Paragraph 1.2.L)	EA	1			
26	16" X 8" Tee (Paragraph 1.2.L)	EA	1			
27	16" x 16" Tee (Paragraph 1.2.L)	EA	2			
28	16" x 12" Reducer (Paragraph 1.2.L)	EA	1			
29	20" x 16" Reducer (Paragraph 1.2.L)	EA	1			
30	24" 22.5 Deg Bend (Paragraph 1.2.L)	EA	2			
31	24" 45 Deg Bend (Paragraph 1.2.L)	EA	4			
32	24" x 24" Tee (Paragraph 1.2.L)	EA	1			

Bid Form Exhibit A WLN22846 - Goldsboro Phase II Water Main Replacement (SRP-D-ARP-0125)

Item	Item Description	Unit	Est Qty	Unit Price	Extended Amount
No.	24" v 46" Dadwaar (Danagraph 4.2.1)	Γ ^	1		
	24" x 16" Reducer (Paragraph 1.2.L)	EA	1		
	24" x 12" Reducer (Paragraph 1.2.L)	EA	1		
35	6" Restrained Coupling (Paragraph 1.2.L)	EA	2		
	8" Restrained Coupling (Paragraph 1.2.L)	EA	2		
	20" Restrained Coupling (Paragraph 1.2.L)	EA	1		
38	Fire Hydrants (Paragraph 1.2.M)	EA	2		
39	Removal and Disposal of Asbestos Cement Pipe (by location) (Paragraph 1.2.T)	EA	2		
40	24" x 24" Tapping Sleeve and Valve (Paragraph 1.2.U)	EA	1		
41	16" x 16" Tapping Sleeve and Valve (Paragraph 1.2.U)	EA	1		
42	8" x 8" Tapping Sleeve and Valve (Paragraph 1.2.U)	EA	1		
43	2" Combination Air Valve & Manhole (Paragraph 1.2.Z)	EA	4		
_	6" Gate Valve with Box (Paragraph 1.2.AA)	EA	4		
_	8" Gate Valve with Box (Paragraph 1.2.AA)	EA	2		
	12" Gate Valve with Box (Paragraph 1.2.AA)	EA	3		
	16" Gate Valve with Box (Paragraph 1.2.AA)	EA	4		
	24" Gate Valve with Box (Paragraph 1.2.AA)	EA	2		
	8" Insertion Valve (Paragraph 1.2.AA)	EA	1		
	24" Insertion Valve (Paragraph 1.2.AA)	EA	1		
53	Valve Box Removal (Paragraph 1.2.BB)	EA	5		
54	Water Service Line Replacement (Paragraph 1.2.EE)	EA	12		
55	Geotextile Stabalization Fabric (Paragraph 1.5.A)	SY	8,590		
56	Replacement of Concrete Curb and Gutter, City	LF	690		
57	Standard (Paragraph 1.7.G) Construction Entrance (Paragraph 1.8.B)	EA	7		
	Silt Fence Barrier (Paragraph 1.8.E)	LF	7,490		
59	Sodding, Fertilizing, Seeding and Fine Grading (Paragraph 1.8.I)	AC	2.76		
60	Work Zone Traffic Control (Paragraph 1.8.K)	LS	1		
Items in Base Bid (excluding Allowances) per Section 01 29 01 "Measurement and Basis for Payment"					
	Mobilization/Demobilization (3% Max) (Paragraph			2 2 2 2 2 2 2	,
1 61 1	1.04.B)	LS	1		
62	Reconnect Existing Fire Hydrant Connection (Paragraph 1.04.C)	EA	3		
63	Abandonment in Place with Low-Density Cellular Grout of Existing Pipe (Paragraph 1.04.D)	CY	465		
64	Curb Inlet Protection (Paragraph 1.04.E)	EA	8		
65	Drop Inlet Protection (Paragraph 1.04.E)	EA	12		
66	Removal and Replacement of Fencing (Paragraph 1.04.F)	LF	750		
67	Synthetic Log (Paragraph 1.04.G)	LF	1,020		
_	Rock Inlet Protection (Paragraph 1.04.H)	EA	2		

Item	Item Description	Unit	Est Qty	Unit Price	Extended Amount
No.	Tom Seconption		Lot Qty	Ome i nee	Exterior 7 milount
69	Fire Hydrant Relocation (Paragraph 1.04.I)	EA	1		
70	10" Sewer Line Replacement (Paragraph 1.04.J)	EA	1		
71	8" Sewer Line Replacement (Paragraph 1.04.J)	EA	1		
72	Storm Drainage Structure Removal and Replacement (Paragraph 1.04.K)	EA	4		
А	Total Base Bid Items Amount (Sum of Extended Amounts for each Base Bid Line Item)				\$ -

BID SUBMITTED BY:	
Bidder:	
Signature:Printed	
Printed	
Name:	
Title:	
Date:	

Bid Form Exhibit A WLN22846 - Goldsboro Phase II Water Main Replacement (SRP-D-ARP-0125)

01 29 01 MEASUREMENT AND BASIS FOR PAYMENT

PART 1 - GENERAL

1.01 PAYMENT FOR MATERIALS AND EQUIPMENT

- A. Payment will be made for materials and equipment materials properly stored and successfully incorporated into the Project less the specified retainage.
- B. Provide a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of Liens. Provide documentation of payment for materials and equipment with the next Application for Payment. Remove items from the tabulation of materials and equipment if this documentation is not provided with the next Application for Payment.
- C. Provide evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest.
- D. The Work covered by progress payments becomes the property of the Owner at the time of payment. The Contractor's obligations with regard to proper care and maintenance, insurance, and other requirements are not changed by this transfer of ownership until final acceptance in accordance with the General Conditions.
- E. Payment for materials and equipment does not constitute acceptance of the product.

1.02 MEASUREMENT AND BASIS FOR PAYMENTS ON LUMP SUM ITEMS

A. Measurement for progress payments is the invoice value for stored materials and the earned value for all other cost for constructing each item. Earned value is expressed as the value of the Work completed divided by the total value of installation cost. The total amount paid will be equal to the total lump sum amount for that item.

1.03 MEASUREMENT AND BASIS FOR PAYMENTS ON UNIT PRICE ITEMS

- A. Measure the Work using the unit of measure indicated in this Section for each unit price line item. Payment will be made only for the actual measured unit and/or computed length, area, solid contents, number, and weight unless other provisions are made in the Contract Documents. Payment on a unit price basis will not be made for Work outside dimensions shown in the Contract Documents.
- B. Payment will be made for the actual quantity of Work completed and for materials and equipment stored during the payment period. Payment amount is the Work quantity measured per Paragraph A above multiplied by the unit price for that line item in the Agreement.

1.04 MEASUREMENT AND BASIS FOR PAYMENT FOR BASE ITEMS

A. Refer to Section 00950 of the City of Wilson, NC - Manual of Specification, Standards, and Design (MSSD), latest edition, for unit price descriptions. Unit prices not covered under the MSSD shall be as described herein.

- B. Item 61 Mobilization/Demobilization:
 - 1. Measuring for payment is on a lump sum basis at the unit price allowed with a maximum of 3% of the total amount bid.
 - 2. Payment for mobilization shall be 50% of the total at the beginning of the project, with the remaining 50% paid by percentage based on the earned value of Work completed.
 - 3. Mobilization/Demobilization costs are intended to assist with the cost of bonds, insurance, utility investigations, construction staking, mobilization of equipment, and the cost of operations, but is not intended to cover the full amount of these costs. Cost in excess of the allowable mobilization percentage shall be included in other unit prices items as needed.
 - Payment for construction staking is a one-time payment covered under mobilization. No additional payment shall be allowed for stakes removed and requiring replacement.
- C. Item 62 Reconnect Existing Fire Hydrant:
 - 1. Reconnection of existing fire hydrants will be measured by the number of existing fire hydrants on an each basis.
 - 2. Price shall include all labor, equipment, and all materials (including extensions and fittings) necessary to reconnect the hydrant including drainage pit, thrust restraint, testing and disinfecting, excavation, backfilling, topsoil, seeding or sod replacement, curb/gutter, and sidewalk replacement. Valves will be paid for separately. Pavement repair, select fill, and stone for trench stabilization are not to be included in the bid price for the fire hydrant reconnection.
- D. Item 63 Abandonment in Place with Low-Density Cellular Grout Fill of Existing Pipe
 - 1. Measurement and payment shall be by the cubic yard of cellular grout required to fill the existing pipe. Vendor of the low-density cellular grout shall provide tickets which will be supplied to the Engineer as part of the pay application.
 - 2. Payment of this item shall include excavation around existing fittings, valves, valve boxes, manholes, and any other appurtenance associated with the line being abandoned, including plugs, caps, and any other appurtenances, and filling the pipe and void spaces with flowable fill. Payment shall also include all materials, labor, and equipment as may be required for the execution of this work, and disposal of any removed items.
- E. Items 64 and 65 Curb and Drop Inlet Protection:
 - 1. Measuring for payment is per each curb and/or drop inlet to be protected.
 - 2. Payment for curb and drop inlet protection shall include all labor, equipment, and all materials necessary for installing curb and drop inlet protection as required in the project area. This shall also include the labor, equipment, and materials required for maintenance and removal of drop inlet protection upon project completion. Curb and drop inlet protection will be paid for at the contract unit price per install, complete and in place.
- F. Item 66 Removal and Replacement of Fencing:

- 1. Measuring for payment shall be per linear foot of fencing removed and replaced.
- 2. Payment for fence removal and replacement shall include all labor, equipment, and all materials necessary for installing new fence as required in the project area. Fence removal and replacement will be paid for at the contract unit price per install, complete and in place.

G. Item 67 – Synthetic Log:

- Measuring for payment for synthetic log for erosion shall be per linear foot of synthetic log as measured along the length of distance needing to be covered. No additional length shall be added for the required length of overlap required between logs.
- 2. Payment for synthetic log for erosion control shall include all labor, equipment, and all materials necessary for installing synthetic logs as required in the project area. The price shall also include the removal, maintenance, and inspection of the synthetic logs as needed for the duration of the project. Synthetic log for erosion control will be paid for at the contract unit price per install, complete and in place.

H. Item 68 – Rock Inlet Protection:

- 1. Measuring for payment is per rock inlet protection to be placed.
- 2. Payment for rock inlet protection shall include all labor, equipment, and all materials necessary for installing rock inlet protection as required in the project area. This shall also include the labor, equipment, and materials required for maintenance and removal of rock inlet protection upon project completion. Rock inlet protection will be paid for at the contract unit price per install, complete and in place.

I. Item 69 – Relocation of Fire Hydrant:

- 1. Measuring for payment is per each fire hydrant relocated.
- 2. Price shall include all labor, equipment, and all materials (other than the hydrant itself and the required valve), necessary fittings needed to relocate the hydrant, including #57 stone, drainage pit, thrust restraint, 6-inch hydrant leg lead in pipe, testing and disinfecting, complete in place. Pavement repair, select fill, and stone for trench stabilization are not to be included in the bid price for the fire hydrant relocation.
- J. Items 70 and 71 X" Sewer Line Replacement
 - 1. Measuring for payment is per each location where sewer to be replaced.
 - 2. Price shall include all labor, equipment, and all materials, including necessary fittings to replace one stick of sewer pipe, centered at the proposed water main crossing, including bedding, testing, inspection, complete in place.
- K. Item 72 Storm Drainage Structure Removal and Replacement
 - 1. Measuring for payment is per structure to be removed and replaced.
 - 2. Price shall include all labor, equipment, and all materials, fittings, and appurtenances, including any required bedding stone, additional sections of RCP, precast structure, frame, cover, and hood frame, testing, needed to provide a replacement drainage structure complete in place. Curb, gutter, and pavement replacement, if needed, is covered under a separate pay item.

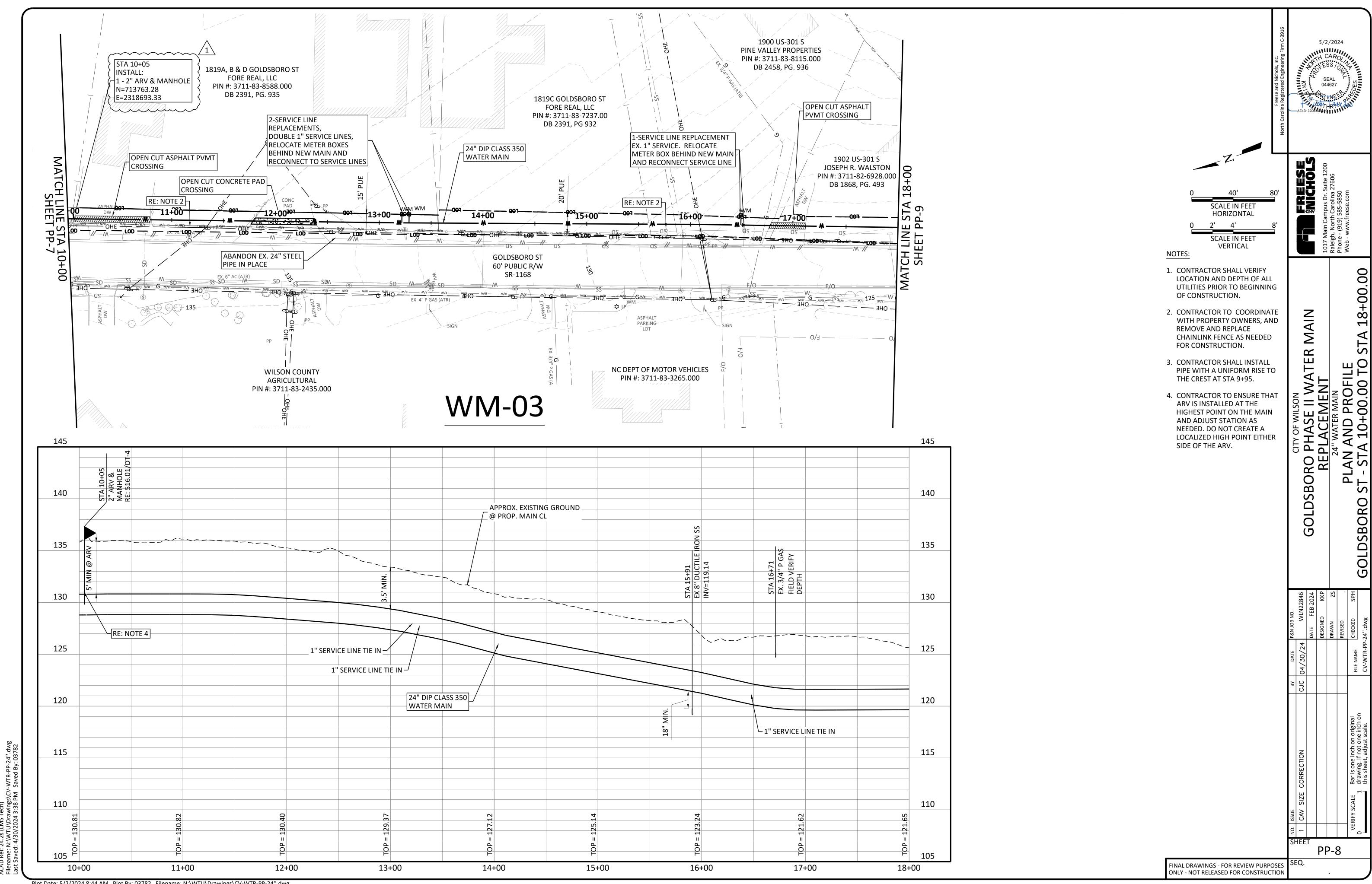
1.05 MEASUREMENT AND BASIS FOR PAYMENT FOR ALLOWANCES

- A.—Item D-01 Owner's Allowance:
 - 1. PAYMENT SHALL BE MADE FOR ACTUAL WORK PERFORMED UNDER THIS ITEM AS ASSIGNED AND APPROVED BY THE OWNER / ENGINEER IN WRITING. WORK DONE WITHOUT WRITTEN APPROVAL FROM THE OWNER / ENGINEER WILL NOT BE PAID FOR.

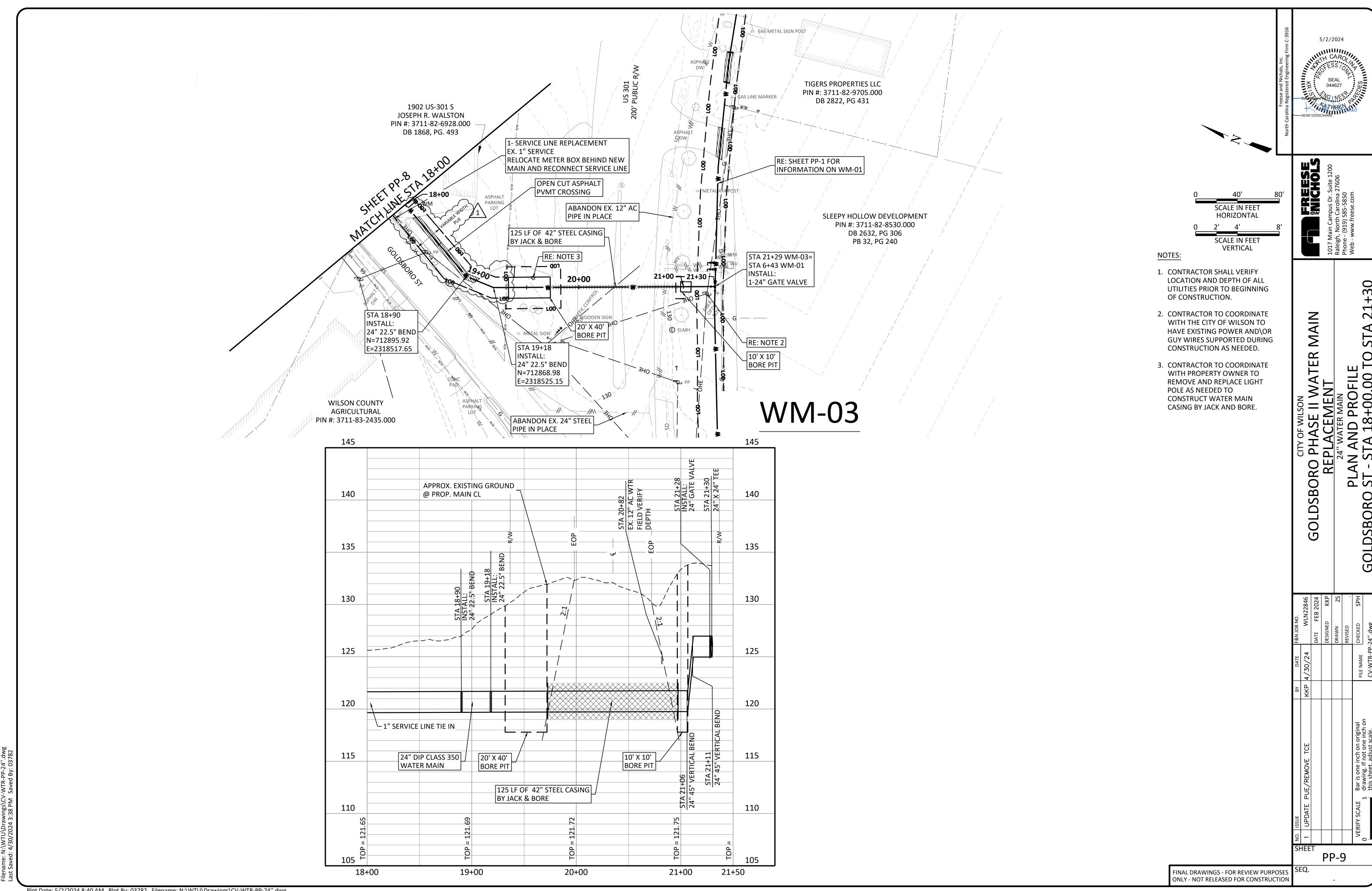
PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION



Plot Date: 5/2/2024 8:44 AM Plot By: 03782 Filename: N:\WTU\Drawings\CV-WTR-PP-24".dwg



MEMORANDUM



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TO: All Prospective Bidders on the Goldsboro St Phase II Water Main Replacement

Project (SRP-D-ARP-0125)

CC: Kyle Manning, PE; Brandon Rountree, PE

FROM: Krista Paredes, PE

SUBJECT: Response to Bidders Questions

DATE: 5/2/2024

PROJECT: Goldsboro St Phase II Water Main Replacement Project (SRP-D-ARP-0125)

The following questions were received prior to 5:00 pm on April 30th in relation to the City of Wilson's "Goldsboro St Phase II Water Main Replacement Project". Answers below are not to be construed as becoming part of or changing any part of the contract documents and bidders should refer to Addendum 03 for any modifications resulting from below questions.

1. QUESTION: Will you please confirm the sizes of ARV assemblies? Plans show 2ea 12x2, 1ea 16x2 and 1ea 24" but plan view calls out 4" and profile view calls out 2"(sheet PP-8). There seem to be no 3" ARVs on the plans, but 2ea are called out on the bid form.

RESPONSE: City of Wilson would like to use 2" ARVs on all mains. The plans (PP-8) and bid form have been updated accordingly.

- QUESTION: Are domestic requirements required based on ARPA funding?
 RESPONSE: There are no domestic (AIS or BABA) requirements based on ARPA funding.
- QUESTION: What will be the cost of water from the City?
 RESPONSE: The City will not charge for the use of water on a City project. The contractor will be required to get a meter/backflow preventer for the hydrant connection. The City will supply this when requested.
- 4. QUESTION: Item 5 Select Fill. Section 01 35 13 1.02 A 2. Does the statement about the contractor furnishing and installing select fill in excess of maximum quantity mean the fill is to be paid for by the Contractor with no reimbursement?
 - RESPONSE: This statement is defining the maximum select fill the City will pay the contractor for. The maximum trench width is defined as the diameter of the pipe, plus two feet. The depth is shown in detail on the construction drawings. Any select fill needed to fill a trench which exceeds the maximum width and depth will be furnished by the contractor at no additional cost to the City.



- 5. QUESTION: Items 40 & 41. Are the 24" & 16" Plugs/Caps part of this pay item like the anchor blocks are?
 - RESPONSE: Any plugs/caps required to abandon the mains should be considered incidental and included in the bidders unit price for Bid Item 63 "Abandonment in Place with Low-Density Cellular Grout Fill of Existing Pipe".
- 6. QUESTION: The pay item description on bores in the City specs read that a bore will be paid for once its successful. Do we take this to mean the bores are guaranteed?
 RESPONSE: Yes, bores are guaranteed
- 7. QUESTION: Is a double line stop an acceptable substitution for the 24" inserta valve called out on the abandoned 24" steel line?
 - RESPONSE: For bidding purposes, please provide a price for the 24" Inserta valve. FNI is willing to engage in value engineering after award, such as using a double line stop in lieu of the 24" inserta valve called out on the abandoned 24" steel line.
- 8. QUESTION: What is the steel casing's thickness for the jack and boring operations?

 RESPONSE: Per COW Detail C07.03 on sheet DT-1, the steel casing's thickness for the jack and boring operations is 0.344" for 24" pipe, 0.250" for 16" pipe, and 0.188" for 12" pipe.
- 9. QUESTION: Is the use of FastGrip gaskets allowed in 16" and smaller pipe. An exception in the 16" size is the pipe inside a casing which is standard restrained joint.
 - RESPONSE: Based on a cursory review of the specifications, FastGrip Gaskets will be considered acceptable in 16" and smaller pipe.
- 10. QUESTION: A contractor indicated to me that all pipe is pressure class 350. Is that the case? Or can we quote Pressure Class 250 in the 16" and 24" sizes?
 - RESPONSE: Please bid Pressure Class 350. The City will allow Pressure Class 250 as part of Value Engineering after award of bid, but to compare like with like during the bidding process, please list your price for PC 350 only.