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FAYETTEVILLE PUBLIC WORKS COMMISSION
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TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

March 31, 2023

TO: All Prospective Bidders

FROM: Tanya Hazlett, Procurement Advisor *TH*

SUBJECT: **ADDENDUM NO. 1**
PWC2223033 – Phase V Annexation Project XII Area 26
Cliffdale West Subdivision Volume I & II

1. The Specifications and Bid Documents are hereby modified or clarified per the attached documents.
2. The foregoing changes or clarifications shall be incorporated in the original Bid Documents and a signed copy of this Addendum No. 1 shall accompany the bid to acknowledge the bidder's receipt and familiarity with the changes and/or clarifications.

Acknowledgement:

Company _____

By _____

Date _____



BUILDING COMMUNITY CONNECTIONS SINCE 1905

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER



ADDENDUM NO. 1

March 31, 2023

FAYETTEVILLE PUBLIC WORKS COMMISSION
FAYETTEVILLE ANNEXATION PHASE V
PROJECT XII, AREA 26 – CLIFFDALE WEST AND WOODMARK SUBDIVISIONS

NOTICE TO CONTRACTORS:

This Addendum shall become part of the Contract Documents for the above project.

Each Contractor shall be responsible for notifying their subcontractors of the contents of this Addendum.

Receipt for all Addenda must be acknowledged in the Contract Documents submitted with the bid.

Modified or newly issued specifications contained in this Addendum shall supersede and take precedence over any conflicting information in the original specifications.

Item 1: The following is the question received at the pre-bid and the response.

1. Question: There's DIP on the project and as you know, there's a problem acquiring DIP pipe would the town of the project consider replacing that with C900 PVC.

PWC answered: That would be reviewed on a case-by-case basis to determine if it is acceptable. We are aware of the ongoing supply chain issues and language regarding the execution of the contract and acquisition of materials and any price increases or decreases will be incorporated into the addendum.

2. Question: Is there boring to be done on this project? Like soil borings or soil boring report.

PWC answered: The soil boring report is included in in volume two of the Contract Documents. Performed by Building and Earth and this is in the documents.

3. Question: I was going to ask about a yard, but it sounds like there's a yard provided. Or a yard that you have in mind for a staging area; and then the next question would be, "Are there any areas that are close by that are owned by the town, that would have potential?"

PWC answered: There is not a staging area provided. PWC does not own any properties by the project area.

4. Question: With the COVID-19, you mentioned that we're supposed to report that right away obviously. If somebody that happened to have the COVID or whatever came in contact with the crew and that sort of thing, and we had to quarantine for a period, including probably your folks would, would that be cause for an extension that you would recommend?

PWC answered: That would be considered for a contract extension.

Item 2: Pipe Market Volatility and Supply Chain Issues

Owner is aware of the current pipe market volatility and supply chain issues. Owner is willing to evaluate the material prices at time of Contract Execution and consider compensation to address increased material costs that may be unknown at the time of the bid. This evaluation will only be considered for PVC and DIP pipe materials and steel encasement.

At the time the Contract is executed, the Contractor may request payment by Owner for stored materials for all PVC and DIP related items in accordance with the Contract Documents. The Contractor shall provide the delivery date of materials at Contract Execution in order for Owner to establish a Notice to Proceed Date. If the Contractor pursue additional compensation for increased material costs, the request should be submitted within thirty (30) days of Contract Execution. It shall be noted that compensation is not guaranteed and shall be based upon evaluation of material price increases consistent with standard, well-established market indices with supporting documentation. If approved, a Change Order will be executed to reflect material price increases associated with PVC and DIP pipe materials and steel encasement only. Additional compensation for profit and overhead, associated with PVC and DIP pipe materials and steel encasement, will not be granted.

Item 3: Amend "Contract Documents Volume I Special Provisions Section 01000-2 WORKING DAYS, EMERGENCIES, PUBLIC ACCESS, AND MEETINGS"

A. WORKING DAYS & HOURS

Regular working hours shall not exceed 40 hours per week, 8 hours per day (between the hours of 7:00 a.m. and 5:00 p.m.) Monday through Friday. No work is permitted on legal holidays (to include holiday weekends). No work, unless otherwise required due to an emergency and authorized by the Fayetteville Public Works Commission, shall be performed on weekends or after hours without prior written approval from the Fayetteville Public Works Commission. Requests to work other than regular working hours must be submitted in writing to the Fayetteville Public Works Commission a minimum of two (2) full business days in advance in order to arrange for appropriate personnel to be at the site of the Work. Requests shall only be approved if the Fayetteville Public Works Commission determines that the work is necessary in order to meet the Contract completion date. The written request shall include a proposed schedule for the work to be completed.

During the course of construction, it may be necessary to complete portions of the Work outside the normal working hours, to accommodate the utility owner's operations, traffic, and/or public convenience. The Contractor, Project Engineer and utility owner will determine an acceptable schedule required for work during such hours. The costs for such Work shall be considered incidental to the Project and no additional payment will be made.

Inspector Overtime shall be charged during those times when the Contractor is authorized to work outside of the normal working hours outlined above. The overtime will be charged at \$80.00 per hour. The Project Coordinator shall be present at all times when the Contractor is approved to work outside of normal hours. The overtime charge will be deducted from the Contractor's pay application. Inspector overtime may be waived for circumstances beyond the Contractor's control as deemed by the Project Engineer or Project Coordinator.

During normal working hours and days, the Contractor shall have all equipment, materials, and personnel out of the work area (to include easements) by 5:00 p.m., unless specific permission has been granted by the Owner. Should the Contractor fail to have all equipment, materials, and personnel out of the work area by 5:00 p.m., the Owner shall assess a penalty of \$250 per 30-minute interval or any portion thereof, until the Contractor has left the site. This penalty will be deducted from the Contractor's pay application or be billed directly to the Contractor. The penalty may be waived for circumstances beyond the Contractor's control, as deemed by the Project Engineer or Project Coordinator.

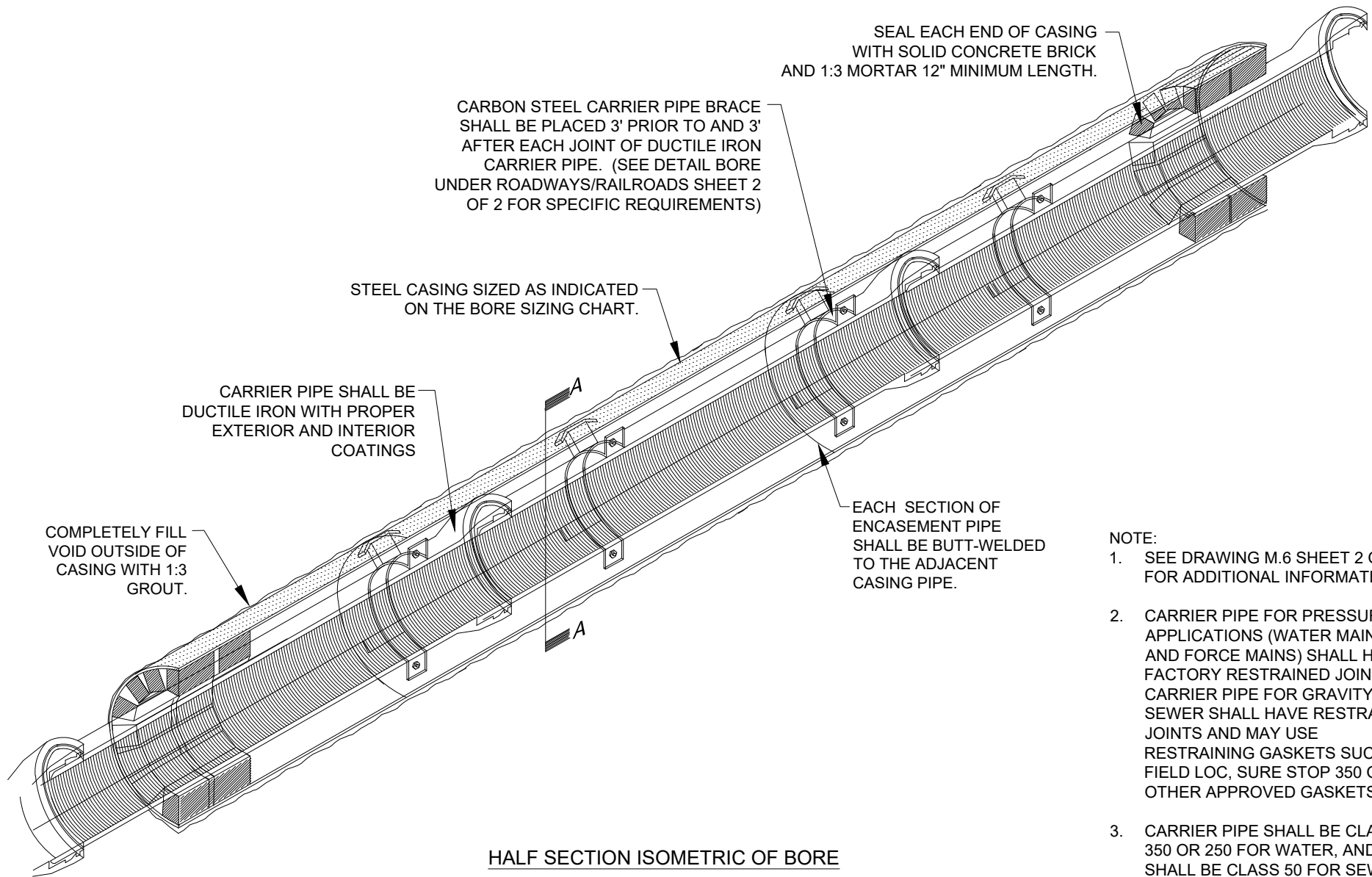
Should the Contractor be granted permission to work outside of the normal working day or time, the Contractor shall adhere to the time restrictions agreed to in the Project Engineer's approval of the request. The Contractor will be assessed a penalty of \$250 per 30-minute interval for any portion thereof, should the Contractor fail to leave the site at the agreed upon time. Inspector overtime will be charged during the approved hours, as outlined above. The penalty may be waived for circumstances beyond the Contractor's control, as deemed by the Owner.

Note: The Contractor, may, without penalty, complete servicing of equipment in the approved staging yard after normal work hours.

Legal holidays observed by the Owner include New Year's Day, Martin Luther King's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving (2 days), and Christmas (2 days). Should the Contractor or subcontractor operations shut down for a period of time exceeding three (3) consecutive calendar days all equipment shall be secured in the approved storage yard. Equipment shall not be stored in the right of ways of the project beyond a period of three (3) consecutive calendar days unless approved in writing by the Project Engineer.


Attachments:

1. Revised Section 00300 Bid Form
2. Revised Section 01025B Measurement and Payment – Part "B" Storm Drain Improvements
3. Revised Section 01025C Measurement and Payment – Part "C" AQUA America Water Utilities
4. March 22, 2023 Pre-Bid Conference Attendees List
5. March 22, 2023 Pre-Bid Conference Meeting Minutes
6. PWC Detail M.6 Pages 1-2



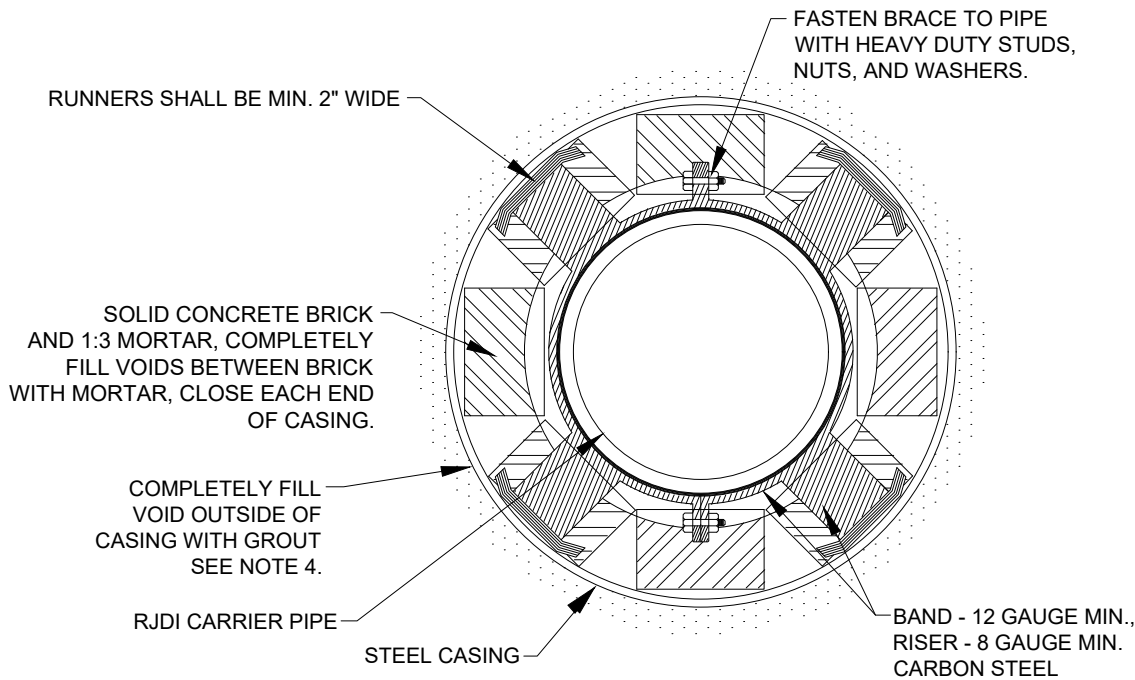
NOTE:

1. SEE DRAWING M.6 SHEET 2 OF 2 FOR ADDITIONAL INFORMATION.
2. CARRIER PIPE FOR PRESSURE APPLICATIONS (WATER MAINS AND FORCE MAINS) SHALL HAVE FACTORY RESTRAINED JOINTS. CARRIER PIPE FOR GRAVITY SEWER SHALL HAVE RESTRAINED JOINTS AND MAY USE RESTRAINING GASKETS SUCH AS FIELD LOC, SURE STOP 350 OR OTHER APPROVED GASKETS
3. CARRIER PIPE SHALL BE CLASS 350 OR 250 FOR WATER, AND SHALL BE CLASS 50 FOR SEWER.

BORE UNDER ROADWAYS/RAILROADS N.T.S.			FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.			NO. DATE REVISION		
						1	01/05	ADDED NOTES 2 AND 3
SHEET NO. 1 OF 2			DWG. NO. M.6 DWG. BY: FAYPWC					
DATE: JAN 01, 2023 APPROVED BY: M.M.M.			WATER RESOURCES ENGINEERING DEPARTMENT					
						2	10/09	CLARIFIED RESTRAINT REQUIREMENTS

BORE SIZING CHART*			
CARRIER PIPE SIZE	MIN. CASING SIZE	ROADWAYS MIN. WALL THICKNESS	RAILROADS MIN. WALL THICKNESS
4"	10"	0.188"	0.188"
6"	12"	0.25"	0.281"
8"	16"	0.25"	0.281"
12"	24"	0.25"	0.375"
16"	30"	0.312"	0.469"
18"	30"	0.312"	0.469"
24"	36"	0.375"	0.532"
30"	42"	0.500"	0.625"
36"	48"	0.500"	0.688"

*CONTRACTOR MAY SUBSTITUTE A LARGER SIZE CASING PIPE HAVING THE MINIMUM WALL THICKNESS SHOWN FOR SEWER MAINS. ALL ADDITIONAL COSTS SHALL BE INCLUDED IN THE NIT PRICE BID FOR BORING AND JACKING.



SECTION "A-A" CARBON STEEL CARRIER PIPE BRACE

NOTES:

- INSTALLATION SHALL BE DRY BORE AND JACKING OF SMOOTH WALL STEEL PIPE. JETTING OR WET BORING WITH WATER SHALL NOT BE ALLOWED.
- SEE BORE SIZING CHART FOR CARRIER PIPE SIZE AND STEEL CASING SIZE, MINIMUM DIAMETER, AND WALL THICKNESS.
- CASING PIPE SHALL BE IN ACCORDANCE WITH ASTM A-53, GRADE B WITH A MINIMUM YIELD STRENGTH OF 35,000PSI.
- EACH END OF ENCASEMENT TO BE PLUGGED WITH BRICK. ALL VOIDS OUTSIDE THE CASING PIPE SHALL BE COMPLETELY FILLED WITH 1:3 PORTLAND CEMENT GROUT AT SUFFICIENT PRESSURE TO INSURE NO SETTLEMENT OF ROADWAY/RAILROAD. METHOD OF GROUTING SHALL BE AS APPROVED BY THE PERMITTING AGENCY.
- IT IS RECOMMENDED THAT THE BORE BE ACCOMPLISHED BEFORE PIPE CONSTRUCTION BEGINS.
- THE BORING SHALL BE PERFORMED FROM "UPSTREAM" TO "DOWNSTREAM" DIRECTION MAINTAINING THE CRITICAL DOWNSTREAM INVERT ELEVATION. SHOULD THE BORE NOT BE ON GRADE, A REVISED PLAN SHALL BE SUBMITTED TO FAYPWC FOR APPROVAL.
- THE BORING OPERATION SHALL BE CONDUCTED IN A MANNER THAT THE FLOW OF TRAFFIC IS NOT IMPEDED OR IN SUCH A MANNER SO AS NOT TO CREATE A HAZARD.
- IF AN OBSTRUCTION IS ENCOUNTERED DURING THE BORING OPERATION, THE AUGER SHALL BE WITHDRAWN, THE EXCESS CASING PIPE CUT-OFF, CAPPED AND THE INTERIOR AND EXTERIOR VOIDS SHALL BE COMPLETELY FILLED WITH 1:3 PORTLAND CEMENT GROUT UNDER PRESSURE. NO SEPARATE PAYMENT FOR UNSUCCESSFUL BORES.
- CONTRACTOR SHALL FIELD ADJUST AND INSTALL PROPER PIPE BRACES TO ACCOMPLISH GRADE AND INVERTS AS SHOWN ON THE DRAWINGS.
- A MANUAL CONTROL STEERING HEAD OR OTHER GUIDANCE SYSTEM IS RECOMMENDED FOR BORES 30" DIAMETER AND/OR LARGER AND FOR BORES EXCEEDING 100' IN LENGTH OR AS SPECIFIED.
- SUBCONTRACTORS SHALL ADHERE TO ALL PERMIT REQUIREMENTS AND SHALL PROVIDE APPROVED INSURANCE CERTIFICATES AS REQUIRED.
- CONTRACTOR SHALL EXECUTE AND PERFORM ALL REQUIREMENTS AND CONDITIONS STIPULATED BY THE PERMITTING AGENCY.
- SEE DRAWING M.6 SHEET 1 OF 2 FOR ADDITIONAL INFORMATION.
- CARRIER PIPE FOR PRESSURE APPLICATIONS (WATER MAINS AND FORCE MAINS) SHALL HAVE FACTORY RESTRAINED JOINTS. CARRIER PIPE FOR GRAVITY SEWER SHALL HAVE RESTRAINED JOINTS AND MAY USE RESTRAINING GASKETS SUCH AS FIELD LOK, SURE STOP 350 OR OTHER APPROVED GASKETS.

BORE UNDER ROADWAYS/RAILROADS N.T.S.		FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.			NO.	DATE	REVISION	
					1	02/11/04	ADDED 6" CARRIER PIPE TO BORE SIZING CHART	
SHEET NO. 2 OF 2	DWG. NO.	M.6	DWG. BY:	FAYPWC		2	07/10	REVISED NOTES, SIZING CHART
	DATE:	JAN 01, 2023	APPROVED BY:	M.M.M.				
WATER RESOURCES ENGINEERING DEPARTMENT								

PART "C", AQUA AMERICA WATER UTILITIES

C-1 PVC WATER MAINS

A. Installation of the PVC water main shall be accomplished in accordance with AQUA Standard Specifications for Water Distribution. Payment under this item shall include all costs necessary to install the specified water main in accordance with AQUA standards. Work shall include all costs for excavation, backfill, thrust blocking as required, compaction, fittings, tracing wire, cutting and removal of pavement, removal and disposal of excess unsuitable material off site, installation of the pipe at the specified line and grade, bedding material, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall be responsible for completing the installation, all required compaction testing, proper alignment of the installed main, and all other items related to proper installation. No payment for installation of water main shall be made until all required compaction testing has been satisfactorily completed.

C-2 DUCTILE IRON WATER MAIN

A. Installation of the ductile iron water main shall be accomplished in accordance with AQUA Standard Specifications for Water Distribution. Payment under this item shall include all costs necessary to install the specified water main in accordance with AQUA standards. Work shall include all costs for excavation, backfill, thrust blocking as required, compaction, fittings, cutting and removal of pavement, installation of the pipe at the specified line and grade, bedding material, removal and disposal of excess unsuitable material off site, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall be responsible for completing the installation, all required compaction testing, proper alignment of the installed main, and all other items related to proper installation. No payment for installation of water main shall be made until all required compaction testing has been satisfactorily completed.

C-3 RESTRAINED JOINT DUCTILE IRON WATER MAIN

A. Installation of the restrained joint ductile iron water main shall be accomplished in accordance with AQUA Standard Specifications Water Distribution. Payment under this item shall include all costs necessary to install the water main in accordance with AQUA standards. Work shall include all costs for excavation, backfill, compaction, fittings, cutting and removal of pavement, installation of restrained joint pipe as specified in the drawings or as required by AQUA standards, bedding material, removal and disposal of excess unsuitable material off site, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall be responsible for completing the installation, all required testing, proper alignment of the installed main, and all other items related to proper installation. No payment for installation of the water main shall be made until all required compaction tests are satisfactorily completed.

C-4 UNDERCUT EXCAVATION

A. Undercut excavation shall be measured and paid for by the volume in cubic yards of unsuitable material excavated below the bedding limit line of four (4) inches below the pipe as authorized by the Project Coordinator. Payment shall be based on the width of two (2) feet plus the internal diameter of the pipe and to the authorized additional depth required for proper support of the pipeline. Payment for structures shall be based on the width of two (2) feet plus the external diameter/dimension to the authorized depth required for proper support of the structure.

B. Payment shall include the costs for all labor, tools, materials and equipment including but not limited to the removal and disposal of unsuitable soil, approved bedding material and all other

incidentals necessary to complete the work. No payment for undercut will be made for over excavation by error or where proper dewatering methods are not in place for trench and or excavation stabilization.

C-5 GATE VALVES

A. Gate valves shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all costs necessary to install the specified gate valve and valve box, as indicated on the plans. All gate valves shall be installed in accordance with AQUA standard details. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, installation, valve boxes, concrete protection rings, concrete collars, tracing wire, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-6 GATE VALVES ON EXISTING MAINS

A. Installation of gate valves on existing mains shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all costs necessary to install the specified gate valve and valve box on the existing water main, as indicated on the plans. All gate valves shall be installed in accordance with AQUA standard details. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, installation, cutting and disposal of the existing water main, valve boxes, fittings, concrete protection rings, concrete collars, tracing wire, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-7 TAPPING SLEEVE AND VALVE

A. Installation of tapping sleeves and valves shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all costs necessary to install the specified tapping sleeve and valve on the existing water mains. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, determining the proper size sleeve, installation, testing of the sleeve, thrust blocking, concrete protection rings, concrete collars, valve boxes, tracing wire, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-8 TAPPING SADDLE AND VALVE

A. Installation of tapping saddles and valves shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all costs necessary to install the specified tapping saddle and two (2) inch ball valve on the existing or proposed water mains. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, determining the proper size saddle, installation, valve boxes, tracing wire, concrete protection rings, concrete collars, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-9 INSTALLATION OF NEW WATER SERVICE

A. Installation of a new water service shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. The Contractor shall install water services, utilizing ¾" CTS 200 pipe for doubled services or ¾" P.E. pipe, as indicated on the plans. Installation of the services shall be in accordance with AQUA standards. The meter boxes shall be located 18-inches inside the right-of-way, in accordance with AQUA standards. Payment under this item shall include all costs necessary to install the new CTS 200 or P.E. pipe service, as indicated on the plans. Work shall include cutting and removal of pavement, proper disposal of waste, excavation, backfill, removal and disposal of excess unsuitable material off site, compaction, installation, if necessary boring the lateral under the road, furnishing and installing new meter boxes, corporations, saddles, lock valves, fittings, tapping the new or existing water main, and all equipment, tools, labor, and incidentals necessary to complete the work. No payment for installation of water services shall be made until all required compaction testing has been satisfactorily completed.

C-10 REPLACEMENT OF EXISTING 3/4-INCH WATER SERVICE

A. Replacement of existing water services shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. The Contractor shall replace the existing water services, utilizing 3/4" CTS 200 pipe for doubled services or 3/4" P.E. pipe, as indicated on the plans. Installation of the services shall be in accordance with AQUA standards. The meter boxes shall be located 18-inches inside the right-of-way, in accordance with AQUA standards. All connections to the customer side of the meter shall be completed by the Contractor. Payment under this item shall include all costs necessary to install the new 3/4" CTS 200 pipe for doubled services or 3/4" P.E. pipe, as indicated on the plans. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, installation, if necessary boring the lateral under the road, furnishing and installing new meter boxes, corporations, saddles, lock valves, tailpiece, fittings, tapping the new or existing water main, connecting the new service to the Customer's side utilizing brass fittings, and all equipment, tools, labor, and incidentals necessary to complete the work. No payment for installation of water services shall be made until all required compaction testing has been satisfactorily completed.

C-11 3/4-INCH WATER SERVICE RELOCATION

A. Relocation of water services shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. The Contractor shall relocate and replace the existing water service utilizing 3/4" CTS 200 pipe for doubled services or 3/4" P.E. pipe, as indicated on the plans. Installation of the service shall be in accordance with AQUA standards. The meter box shall be located 18-inches inside the right-of-way, in accordance with AQUA standards. The location of the new meter box is as indicated on the plans. All connections to the customer side of the meter shall be completed by the Contractor utilizing brass fittings. Payment under this item shall include all costs necessary to install the new 3/4" CTS 200 pipe for doubled services or 3/4" P.E. pipe, as indicated on the plans. Work shall include cutting and removal of pavement, removal and disposal of excess unsuitable material off site, excavation, backfill, compaction, installation, if necessary boring the lateral under the road, removal of the existing meter box, removal and reinstallation of existing meter to new location, furnishing and installing new meter boxes, corporations, saddles, lock valves, tailpiece, fittings, tapping the new or existing water main, and all equipment, tools, labor, and incidentals necessary to complete the work. No payment for relocation of the existing water service shall be made until all required compaction testing has been satisfactorily completed.

C-12 ADJUSTING EXISTING VALVE BOXES

A. Adjustment of existing valve boxes indicated as a separate item of work shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment will be full compensation for excavation, removal and disposal of excess unsuitable material off site, concrete valve protection rings, furnishing and placement of concrete collars in paved areas, re-adjustments, backfill, compaction, and all other essentials necessary for the complete adjustment in accordance with AQUA requirements. Replacement of valve boxes if necessary will be as directed by the Project Coordinator and AQUA representative.

C-13 ABANDONMENT OF WATER SERVICES

A. Abandonment of existing water services shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. The Contractor shall furnish all materials necessary to "kill-out" the existing water services. The Contractor will excavate the tap on the existing main, turn off the corporation, plug the corporation, then plug the service, as indicated on the plans. All work shall be in accordance with AQUA standards. Work shall include all costs for excavation, cutting and removal of pavement, removal of meter boxes, removal and disposal of excess unsuitable material off site, backfill, compaction, all necessary fittings, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-14 TWO (2) INCH BLOW OFF

A. Installation of two (2) inch blow-offs shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all necessary costs to install a two (2) inch blow-off at the end of water mains, in accordance with AQUA standards. The Contractor shall furnish and install a blow-off assembly at the end of the water mains, as indicated on the drawings. Work shall include all costs for excavation, valves, valve boxes, meter boxes, tracing wire, backfill, compaction, fittings, thrust blocks, saddles, concrete protector rings, concrete collar, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-15 CONNECT TO EXISTING WATER MAIN

A. Connections to existing water mains shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all necessary costs to connect to the existing water main. Work shall include all costs for excavation, backfill, compaction, removal of the existing blow-off, tracing wire, removal and disposal of excess unsuitable material off site, necessary fittings to connect to the new water main, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-16 ABANDON EXISTING VALVES

A. Abandonment of existing valves shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. Payment under this item shall include all necessary costs to properly abandon the existing valves, as specified on the plans. Work shall include all costs for excavation, cutting and removal of pavement, removal and disposal of excess unsuitable material off site, backfill, compaction, fittings, turning off existing valve, plugging existing valve and all necessary fittings, removal of valve boxes as required, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-17 ABANDON & GROUT FILL EXISTING WATER MAIN

A. Payment under this item shall include all necessary costs to grout fill the existing water main to be abandoned. All work shall be in accordance with AQUA standards and as approved by AQUA. Work shall include all costs to plug the water main, hoses, pumps, fittings, grout, and all labor, materials, equipment, and incidentals necessary to complete the work. Grouting of the water main shall occur after AQUA has accepted the new water main and laterals.

C-18 ABANDON EXISTING WATER MAIN

A. Abandonment of the existing water main shall be measured by actual count, complete, in place, and payment will be made at the applicable unit price bid as listed in the Bid Form. The Contractor shall furnish all materials necessary to "kill-out" the existing water mains, as indicated on the plans. All work shall be in accordance with AQUA standards and as approved by AQUA. Work shall include all costs for excavation, cutting and removal of pavement, removal and disposal of unsuitable material off site, backfill, compaction, concrete, all necessary fittings, and all equipment, tools, labor, and incidentals necessary to complete the work.

C-19 STERILIZATION AND TESTING

A. Payment under this line item shall include all costs necessary to perform the required testing on the water mains, laterals and appurtenances. Work shall include all costs for furnishing test equipment, installation of temporary taps for testing and/or disinfection, coordination with the Project Coordinator and AQUA representative, and all labor, materials, equipment, and incidentals necessary to complete the testing in accordance with AQUA standards. All laterals shall be tested. The Contractor shall pressure test and disinfect the new water main, laterals and appurtenances in accordance with AQUA standards, prior to placing it into service.

B. The Contractor shall be responsible for furnishing all necessary equipment to complete the testing and sterilization, coordination with the Project Coordinator and AQUA representative, and removal of all unnecessary taps and fittings upon completion of the work. Payment under this line item will not be made until all required tests are successful.

C-20 REPLACEMENT OF ASBESTOS-CEMENT WATER MAINS

A. Payment under this line item shall include all costs necessary to remove the existing asbestos-cement (AC) water mains and install new ductile iron water mains. Replacement of the water main shall be in accordance with AQUA standards. Work shall include all costs for excavation, backfill, thrust blocking as required, compaction, fittings, all necessary connections, cutting and removal of pavement, installation of the pipe at the specified line and grade, bedding material, removal and disposal of excess unsuitable material off site, removal and proper disposal of the AC water main, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall be responsible for completing the installation, all required compaction testing, proper alignment of the installed main, and all other items related to proper installation. The replacement of the existing AC water main shall be paid for by the actual count per linear feet installed at each proposed crossing.

B. The Contractor shall also replace all of the existing water services from the main to the meter box connected to the section of the AC pipe to be replaced. The water services and meter boxes shall be replaced in accordance with the utility owner's standards. The replacement of the connected water services shall be paid for by the actual count of each and payment made under the applicable unit price per each contained in the Bid Form.

C-21 RELOCATION OF EXISTING WATER MAINS

A. Payment under this line item shall include all costs necessary to relocate existing water mains due to conflict with existing or proposed utility work. Relocation of the water main shall be in accordance with AQUA standards. Work shall include all costs for excavation, backfill, compaction, fittings, installation of restrained joint pipe as specified in the drawings or as required by AQUA standards, all necessary connections, cutting and removal of pavement, installation of the pipe at the specified line and grade, bedding material, removal and disposal of excess unsuitable material off site, removal and proper disposal of the existing water main, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall be responsible for completing the installation, all required compaction testing, proper alignment of the installed main, and all other items related to proper installation. The relocation of the existing water main shall be paid for by the actual count per linear feet installed.

B. The Contractor shall also replace all of the existing water services from the main to the meter box connected to the section of the pipe to be relocated. The water services and meter boxes shall be replaced in accordance with the utility owner's standards. The replacement of the connected water services shall be paid for by the actual count of each and payment made under the applicable unit price per each contained in the Bid Form.

C-22 REMOVE AND DISPOSE EXISTING WATER LINE

A. Payment for this item shall be measured and paid for at the unit price per linear foot as indicated in the Bid Form. Payment per linear foot of water main removed and disposed of will be made under the applicable unit price for each size pipe as indicated in the Bid Form. Payment shall include the cost of excavation, removal of indicated existing pipe, shoring, disposal of pipe, removal and disposal of excess unsuitable material off site, grading, backfilling, dewatering, compaction and all other items necessary to complete the work.

PART “B” STORM DRAIN IMPROVEMENTS

B-1 DRAINAGE PIPE

A. Payment for furnishing and installing storm drainage pipe shall be for the number of linear feet of pipe installed measured between the centerline of manholes (or catch basin, junction box, or other similar structure or fitting) and as measured vertically from the finished grade or ground surface to the invert elevation of the pipe. Payment per linear foot of storm drainage pipe will be made under the applicable unit price for each size, type, and pay depth as indicated in the Bid Form.

B. Payment shall include the cost for excavation, stone bedding, shoring, removal and disposal of excess unsuitable material off site, grading, backfilling, dewatering, compaction and all other work required for a complete installation.

B-2 STORM DRAINAGE STRUCTURES

A. Payment for furnishing and installing storm drainage structure will be made by actual count per each type, complete, in place, with a measured depth in vertical feet from the lowest invert elevation to the finish grade or ground surface and for various types of structures shown on plans and profiles. Storm drainage structures shall include manholes, catch basins, curb inlets, yard inlets, open throat catch basins (OTCB), junction boxes, headwalls, flared end sections, etc.

B. Precast concrete storm drainage structures may be acceptable depending on the specific type of structure and subject to the City of Fayetteville’s approval. Payment shall include the cost for excavations, stone bedding, shoring, dewatering, removal and disposal of excess unsuitable material off site, grading, backfill, compaction, furnishing and installing structures, frames, covers, grates and hoods, other metal castings, concrete collars, special linings or coatings, constructing inverts and concrete bedding where applicable, testing, grade adjustments, cleanup and all other work.

B-3 TAPPING INTO EXISTING STRUCTURES

A. Payment for tapping into existing storm drainage structures shall be made by actual count of the number of taps made as indicated on the Bid Form. Payment shall include the costs of mechanically coring into the existing structure, installing a watertight connection, building and/or modifying inverts, and any and all incidental work required to make a complete and serviceable connection.

B-4 REMOVE AND REPLACE EXISTING DRAINAGE STRUCTURE

A. Payment for removal and replacing existing storm drainage structure will be made by actual count per each, complete, in place with a measured depth in vertical feet from the lowest invert elevations to the finish grade or original ground surface.

B. Payment shall include the cost for excavation, stone bedding, shoring, dewatering, removal and disposal of excess unsuitable material off site, grading, backfill, compaction, furnishing, installing or constructing new drainage structure, grade adjustments, cleanup and all other work required for complete installation.

B-5 REMOVE AND REPLACE GRATES

A. Payment for removal and replacing existing grates will be made by actual count per each, complete,

in place, at the various sizes indicated in the Bid Form. Payment shall include the cost for frames and grates, disposal of existing grate and frame and all other work specifically covered under payment items to perform the work.

B-6 RIP-RAP (NO OVERAGE ALLOWED)

A. Payment for furnishing and installing rip-rap will be measured and paid for at the unit price bid per square yard as listed on the Bid Form. The quantity shown on the plans shall not be exceeded and payment will not be made for overages.

B. Payment shall be full compensation for furnishing, hauling, placing all materials including filter fabric, graded stone rip-rap, fine grading and all equipment, tools, labor and incidentals necessary to complete the work.

B-7 TRENCHLESS STORM DRAIN REHABILITATION

A. Payment for this item shall be measured and paid for at the unit price bid per linear foot as indicated in the bid schedule for a complete rehabilitation. Payment shall include cleaning the existing storm drain, video of existing conditions for the City of Fayetteville to review, rehabilitating the existing storm drain with an approved method, grouting of pipe annulus where required by method chosen for rehabilitation, access pits and all else necessary to rehabilitate the existing storm drain.

B-8 REMOVE AND REPLACE DRAINAGE PIPE

A. Payment for this item shall be measured and paid for at the unit price bid per linear foot as indicated in the bid schedule. Payment per linear foot of storm drainage pipe will be made under the applicable unit price for each size of pipe installed, type and pay depth as indicated in the Bid Form. Payment shall include the cost for excavation, removal of indicated existing pipe, bedding stone, shoring, disposal of existing pipe, removal and disposal of excess unsuitable material off site, installation of proposed drainage pipe, installation of concrete collars, grading, backfilling, dewatering, compaction and all other work required for a complete installation.

B-9 UNDERCUT EXCAVATION

A. Undercut excavation shall be measured and paid for by the volume in cubic yards completed and accepted of unsuitable material excavated below the pipe as authorized by the Project Coordinator. Payment shall be based on the width of two (2) feet plus the internal diameter of the pipe and to the authorized additional depth required for proper support of the pipeline. Payment for structures shall be based on the width of two (2) feet plus the external diameter/dimension to the authorized depth required for proper support of the structure.

B. Payment shall include the costs for all labor, tools, materials and equipment including but not limited to the removal and disposal of unsuitable soil, stone bedding material and all other incidentals necessary to complete the work. No payment for undercut will be made for over excavation by error or where proper dewatering methods are not in place for trench and or excavation stabilization.

B-10 BORE AND JACK STORM DRAIN PIPE

A. Payment under this item shall include all necessary costs to install the storm pipe in accordance with the project requirements. Work shall include all costs for excavation, shoring, removal and disposal of excess unsuitable material off site, bedding material, horizontal and vertical controls, bore

steering mechanisms, pipe, backfill, compaction, and all labor, materials, equipment, and incidentals necessary to complete the work. The Contractor shall comply with all requirements for construction within the right-of-ways of the applicable authority i.e., City of Fayetteville or NCDOT.

B-11 DRAINAGE DITCH EXCAVATION

A. Payment for drainage ditch excavation shall be for the number of cubic yards based on the quantity outlined in the plans and provided on the bid form. Payment will not be made for any excavation outside of the limits defined in the plans, unless directed to do so by the Project Coordinator.

B. Payment shall include the cost for excavation to proper line and grade, shaping of the ditches, disposal of all materials, the maintenance of this work in an acceptable condition until final acceptance and all other work required for the excavation of the ditch in accordance with the plans.

B-12 ABANDON AND GROUT FILL EXISTING RCP

A. Payment under this item shall include all necessary costs to grout fill the existing RCP to be abandoned. Work shall include all costs to plug the pipe at the structures, hoses, pumps, fittings, grout, and all labor, materials, equipment, and incidentals necessary to complete the work. Grouting of the pipe shall occur in the presence of a City of Fayetteville representative.

B-13 REMOVE AND DISPOSE OF DRAINAGE PIPE

A. Payment for this item shall be measured and paid for at the unit price bid per linear foot as indicated in the Bid Form. Payment per linear foot of storm drainage pipe removed and disposed of will be made under the applicable unit price for each size of pipe as indicated in the Bid Form. Payment shall include the cost for excavation, removal of indicated existing pipe, shoring, disposal of pipe, removal and disposal of excess unsuitable material off site, grading, backfilling, dewatering, compaction and all other work necessary.

B-14 CONSTRUCT CONCRETE SWALE

A. Constructing concrete swale shall be paid for at the unit price bid per linear foot. Payment shall be full compensation for removal and disposal of existing swale, furnishing, hauling, fine grading sub grade, seeding, backfilling beside swale with topsoil, adding soil amendments, placing all materials, and all equipment, materials, tools, labor, and incidentals necessary to complete the work.

B-15 REMOVE AND DISPOSE OF EXISTING STORM DRAINAGE MANHOLE

A. Payment for removal of the existing storm drainage manhole will be made by actual count per each, complete, measured to a depth in vertical feet from the lowest invert elevations to the finished grade or original ground surface. Payment shall include the cost for excavation, shoring, dewatering, removal and disposal of excess unsuitable material off site, grading, backfill, compaction, clean up and all other items necessary to complete the work.

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "A" STREET CONSTRUCTION						
A-1	G-1	Mobilization and Demobilization @ _____ lump sum	1	LS		
A-2	G-2	Traffic Control & Traffic Plan @ _____ lump sum	1	LS		
A-3	G-3	Erosion & Sediment Control @ _____ lump sum	1	LS		
A-4	A-1	Permanent Pavement Patch (No Overage Allowed) @ _____ per square yard	24,287	SY		
A-5	A-4	Permanent Pavement Patch Failed Areas PWC (No Overage Allowed) @ _____ per square yard	2,000	SY		
A-6	A-4	Permanent Pavement Patch Failed Areas COA (No Overage Allowed) @ _____ per square yard	1,400	SY		
A-7	A-6	Undercut Excavation (No Overage Allowed) @ _____ per cubic yard	50	CY		
A-8	A-7	Incidental Stone (ABC) @ _____ per ton	200	TN		
A-9	A-9	Remove & Replace Concrete Driveway @ _____ per square yard	83	SY		
A-10	A-13	Maintenance Stone (No Overage Allowed) @ _____ per square yard	1,500	SY		
A-11		OMITTED				
TOTAL PART "A" STREET CONSTRUCTION						

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "C" WATER CONSTRUCTION (AQUA)						
C-1	G-1	Mobilization and Demobilization @ _____ lump sum	1	LS		
C-2	G-2	Traffic Control and Traffic Plan @ _____ lump sum	1	LS		
C-3	G-3	Erosion & Sediment Control @ _____ lump sum	1	LS		
C-4	C-1	6" C-900 Water Main @ _____ per linear foot	67	LF		
C-5	C-3	6" RJDIP Water Main 0' – 6' Depth @ _____ per linear foot	17	LF		
C-6	C-3	6" RJDIP Water Main 6' – 8' Depth @ _____ per linear foot	39	LF		
C-7	C-3	8" RJDIP Water Main 0' – 6' Depth @ _____ per linear foot	20	LF		
C-8	C-17	Abandon Exist. 6" Water Line – Grout Fill @ _____ per linear foot	87	LF		
C-9	C-18	Abandon Exist. 6" Water Line – Kill Out @ _____ per each	1	EA		
C-10	C-5	6" RJ Gate Valve @ _____ per each	1	EA		
C-11	C-22	Remove/Dispose Exist. 6" Water Line @ _____ per linear feet	36	LF		
C-12	C-10	Replace Existing Unmarked Aqua America Water Service @ _____ per each	10	EA		
C-13		OMITTED				
C-14	C-19	Sterilization and Testing @ _____ per linear foot	143	LF		
TOTAL PART "C" WATER CONSTRUCTION (AQUA)						

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "D" SANITARY SEWER UTILITIES						
D-1	G-1	Mobilization and Demobilization @ _____ Lump Sum	1	LS		
D-2	G-2	Traffic Control & Traffic Plan @ _____ Lump Sum	1	LS		
D-3	G-3	Erosion & Sediment Control @ _____ Lump Sum	1	LS		
D-4	G-5	Clearing & Grubbing, Permanent Easements @ _____ per acre	0.50	AC		
D-5	G-6	Clearing & Grubbing, Temporary Easements @ _____ per acre	0.31	AC		
D-6	G-7	Sod (No Overage Allowed) @ _____ per square yard	3,930	SY		
D-7	G-8	Seeding (No Overage Allowed) @ _____ per acre	0.56	AC		
D-8	D-1	8" SDR26 Sanitary Sewer 0'-6' Depth @ _____ per linear foot	75	LF		
D-9	D-1	8" SDR26 Sanitary Sewer 6'-8' Depth @ _____ per linear foot	4,901	LF		
D-10	D-1	8" SDR26 Sanitary Sewer 8'-10' Depth @ _____ per linear foot	7,747	LF		
D-11	D-1	8" SDR26 Sanitary Sewer 10'-12' Depth @ _____ per linear foot	3,945	LF		
D-12	D-1	8" SDR26 Sanitary Sewer 12'-14' Depth @ _____ per linear foot	1,456	LF		
D-13	D-1	8" SDR26 Sanitary Sewer 14'-16' Depth @ _____ per linear foot	177	LF		
D-14	D-2	8" CL 50 DI Sanitary Sewer 0'-6' Depth @ _____ per linear foot	299	LF		
D-15	D-2	8" CL 50 DI Sanitary Sewer 6'-8' Depth @ _____ per linear foot	537	LF		
D-16	D-2	8" CL 50 DI Sanitary Sewer 8'-10' Depth @ _____ per linear foot	370	LF		

D-17	D-2	8" CL 50 DI Sanitary Sewer 10'-12' Depth @_____ per linear foot	392	LF		
D-18	D-2	8" CL 50 DI Sanitary Sewer 12'-14' Depth @_____ per linear foot	142	LF		
D-19	D-2	8" RJDIP Sanitary Sewer 6' – 8' Depth @_____ per linear foot	10	LF		
D-20	D-2	8" RJDIP Sanitary Sewer 8' – 10' Depth @_____ per linear foot	10	LF		
D-21	D-2	8" RJDIP Sanitary Sewer 10' – 12' Depth @_____ per linear foot	23	LF		
D-22	D-27	Bore & Jack 16" Steel Casing w/ 8" Restrained DIP Carrier Pipe @_____ per linear foot	402	LF		
D-23	D-5	Sanitary Sewer Manhole 4' Dia. 0' – 6' Depth @_____ per each	5	EA		
D-24	D-5	Sanitary Sewer Manhole 4' Dia. 6' – 8' Depth @_____ per each	29	EA		
D-25	D-5	Sanitary Sewer Manhole 4' Dia. 8' – 10' Depth @_____ per each	37	EA		
D-26	D-5	Sanitary Sewer Manhole 4' Dia. 10' – 12' Depth @_____ per each	14	EA		
D-27	D-5	Sanitary Sewer Manhole 4' Dia. 12' – 14' Depth @_____ per each	4	EA		
D-28	D-5	Sanitary Sewer Manhole 4' Dia. 14' – 16' Depth @_____ per each	1	EA		
D-29	D-5	Sanitary Sewer Manhole 5' Dia. 8' – 10' Depth @_____ per each	2	EA		
D-30	D-5	Sanitary Sewer Manhole 5' Dia. 10' – 12' Depth @_____ per each	6	EA		
D-31	D-5	Sanitary Sewer Manhole 5' Dia. 12' – 14' Depth @_____ per each	5	EA		
D-32	D-5	Sanitary Sewer Manhole 5' Dia. 14' – 16' Depth @_____ per each	2	EA		
D-33	D-6	Sanitary Sewer Doghouse Manhole 4' Dia 6'- 8' Depth @_____ each	1	EA		
D-34	D-7	4" Sanitary Sewer Interior Drop Connection @_____ each	13	EA		

D-35	D-7	8" Sanitary Sewer Interior Drop Connection @_____ each	16	EA		
D-36	D-8	4" SDR26 Sanitary Sewer Lateral @_____ each	309	EA		
D-37	D-9	4" DIP Sanitary Sewer Lateral @_____ each	7	EA		
D-38	D-13	8" Connection to Existing Structures @_____ each	7	EA		
D-39		OMITTED				
D-40	D-17	Testing @_____ per linear foot	20,486	LF		
D-41	D-29	Retrofit Exist. Manhole with Camlock ring & Cover @_____ per each	1	EA		
D-42	D-16	Undercut Excavation @_____ per cubic yard	500	CY		
D-43	G-4	Borrow Excavation (Select Backfill) @_____ per cubic yard	750	CY		
D-44	G-9	French Drains @_____ per linear foot	200	LF		
D-45		OMITTED				
D-46		OMITTED				
D-47		OMITTED				
D-48	B-1	Install 15" RCP Storm Drainage Pipe 0' – 6' Depth @_____ per linear foot	33	LF		
D-49	B-1	Install 15" RCP Storm Drainage Pipe 6' – 8' Depth @_____ per linear foot	4	LF		
D-50	B-1	Install 18" RCP Storm Drainage Pipe 0' – 6' Depth @_____ per linear foot	433	LF		
D-51	B-2	Install Catch Basin 0' - 6' Depth @_____ per each	2	EA		
D-52	B-2	Install Catch Basin 6' - 8' Depth @_____ per each	1	EA		
D-53	B-3	Tie Into Exist. Catch Basin 0' – 6' Depth (18" Pipe) @_____ per each	1	EA		

D-54	B-3	Tie Into Exist. Storm Drainage Manhole 0' – 6' Depth (24" Pipe) @_____ per each	1	EA		
D-55	B-4	Remove/Replace Exist. Catch Basin with New Oversize Catch Basin 0' – 6' Depth @_____ per each	2	EA		
D-56	B-8	Remove & Replace Exist. 15" RCP 0' – 6' Depth @_____ per linear foot	503	LF		
D-57	B-8	Remove & Replace Exist. 18" RCP 0' – 6' Depth @_____ per linear foot	558	LF		
D-58	B-8	Remove & Replace Exist. 24" RCP 0' – 6' Depth @_____ per linear foot	353	LF		
D-59	B-8	Remove & Replace Exist. 24" RCP 6' – 8' Depth @_____ per linear foot	232	LF		
D-60	B-8	Remove & Replace Exist. 24" RCP 8' – 10' Depth @_____ per linear foot	54	LF		
D-61	B-8	Remove & Replace Exist. 30" RCP 0' – 6' Depth @_____ per linear foot	29	LF		
D-62	B-8	Remove & Replace Exist. 36" RCP 0' – 6' Depth @_____ per linear foot	39	LF		
D-63	B-15	Remove/Dispose Exist. Storm Drainage Manhole 8' – 10' Depth @_____ per each	1	EA		
D-64	B-13	Remove/Dispose Exist. 15" RCP Storm Drainage Pipe 0' – 6' Depth @_____ per linear foot	40	LF		
D-65	B-13	Remove/Dispose Exist. 18" RCP Storm Drainage Pipe 0' – 6' Depth @_____ per linear foot	403	LF		
D-66	B-13	Remove/Dispose Exist. 24" RCP Storm Drainage Pipe 0' – 6' Depth @_____ per linear foot	102	LF		
D-67	B-9	Undercut Excavation @_____ per cubic yard	50	CY		
		TOTAL PART "D" SANITARY SEWER UTILITIES				

BID SUMMARY

TOTAL PART "A" STREET CONSTRUCTION \$ _____
TOTAL PART "C" AQUA WATER \$ _____
TOTAL PART "D" SANITARY SEWER \$ _____
TOTAL BASE BID \$ _____

The BIDDER has received, acknowledged, and used the following addenda in completing the Bid. (Initial and Date as appropriate).

Addendum No. 1 _____ Dated _____
Addendum No. 2 _____ Dated _____
Addendum No. 3 _____ Dated _____
Addendum No. 4 _____ Dated _____
Addendum No. 5 _____ Dated _____

The undersigned BIDDER certifies that they are a licensed as a Contractor under the provisions of the Act of North Carolina Legislature, Session 1952 as amended regulating the practice of General Contracting, and that their license number is _____ (License Number).

Phase V Annexation, Project XII, Construction Area 26 Cliffdale West & Woodmark

Pre-Bid Conference
March 22, 2023, 11:00AM
Teleconference

Agenda:

1. Welcome and Introductions
2. Project Overview
 - a. Sewer Installation
 - i. 20,486 LF of 8-inch Sanitary Sewer Main
 - ii. 143 LF of Water Main Relocation (AQUA)
 - iii. 106 EA Sanitary Sewer Manholes
 - iv. 316 EA Sanitary Sewer Laterals
 - v. 470 LF of Storm Drain Relocation
3. Bid Items
 - a. Questions due by 5:00 p.m., Wednesday, March 29, 2023
 - i. All questions need to be submitted in writing to Tanya Hazlett, PWC Procurement Advisor (tanya.hazlett@faypwc.com)
 - b. Addendum issued by 5:00 p.m., Friday March 31, 2023
 - i. Answers to questions received at Pre-bid and Question deadline
 - ii. Pre-bid Minutes
 - iii. Updated Bid Form
 - iv. Measurement & Payment for Line Items without Ref. No.
 - v. Volume 1, Section 01000, Paragraph 1.06 Working Days, Emergencies, Public Access, and Meetings (Veteran's Day is a recognized Holiday)
 - vi. Bore/Jack Detail
 - c. All Bids due 2:00 p.m., Tuesday, April 11, 2023; the bid documents specify the bid opening will be held at 2:00 p.m. Bids will be opened inside PWC Administrative Building, Conference Room 107. All bid packages must be submitted directly to the Procurement Services Department or brought to PWC on the day of the bid opening. If mailing the bid, it is suggested the bidder obtain a tracking number and notify PWC by email that it is on its way. All bidders are reminded to inform security that they are turning in a bid to the Procurement Services Department, and not to leave the bid package at the security desk.
 - d. Notice to Proceed expected in July/ August 2023

- e. 445-day contract duration
 - i. Calculation: 60 LF/day for sanitary sewer, 100/LF days for water main, 40/LF days for storm drain, and an additional 90 days added for miscellaneous tasks such as restoration and testing.
 - ii. No additional time for weather delays has been included in the Contract Time Calculation. In accordance with the Contract Documents, the Contractor will be required to submit a request for time due to weather delays within 30 days of the occurrence. \$1,000 per day liquidated damages.
 - f. A Bid Bond is required for this project and must be submitted with all bids.
 - g. All prospective bidders should thoroughly review the Bid Evaluation information listed in Volume I of the Contract Documents. If any information is omitted, the submitted bid may be considered incomplete. Incomplete bid packages may be rejected as non-responsive. A Bid Evaluation Checklist has been provided.
4. SDBE and Local Participation Requirements
- a. PWC promotes utilizing SDBE and HUB businesses for services and supplies.
 - b. PWC requests that bidders solicit SDBE and HUB businesses and report any efforts to do so.
 - c. A link to the DBE and HUB online directory can be found in the bid packet.
 - d. All SDBE documents required to be submitted with the bid are marked as such. Good faith opportunity and subcontractor utilization efforts can be documented in the SDBE forms provided in the contract documents. It is encouraged for bidders to provide these efforts at the time of the bid submittal, but is not required. The SDBE team will reach out to the lowest responsive, responsible bidder to obtain the good faith efforts evidence if not included in the bid package, and at that time the bidder is required to provide the documentation within 7 calendar days.
 - e. Bidders with questions or bidders that wish PWC to provide a list of possible SDBE and HUB businesses may contact Tanya Hazlett at tanya.hazlett@faypwc.com or via phone at (910) 223-4023, who will engage the SDBE Team for the request. Please include they type of subcontracted work and NAICS code(s) in the request.
 - f. The awarded bidder is required to turn in subcontractor payments on the SDBE forms with each pay application to include the final pay application. Non-compliance with subcontractor payment reporting may result in delays for pay application review and payments.
 - g. PWC values the participation of local vendors in our procurements. We encourage contractors to consider the use of local vendors whenever possible and identify such with your bid. Cumberland, Hoke, or Harnett Counties are considered local. Local vendor payments should also be included with subcontractor payment reporting.
5. Contract Items
- a. General and Administrative (Vol. I) – Contains information specific to this project:
 - i. General Conditions
 - ii. Special Provisions
 - iii. Measurement and Payment

- b. Technical Specifications (Vol. II)
 - c. Other Technical Information (Vol. II) – Contains PWC technical specifications. Encroachments, permits, soil report, easement special conditions and other items pertaining to this Contract are found in the Appendices.
6. Construction Issues
- a. Easement acquisition is complete. There are eleven (11) easements on the project.
 - i. The Contractor is expected to adhere to the easement special conditions listed in Volume II of the Contract Documents. The easement special conditions are also noted on the plans if they were known at the time of preparation of the plans and Contract Documents.
 - ii. The Special Conditions are as follows:
 - 6853 Fern Creek Place – Temporary fencing needed for 2 dogs. Dogs are aggressive.
 - 6857 Fern Creek Place – Owner wishes the grape vine at the rear of the property not to be disturbed.
 - 6919 Wickersham Road – 6-foot temporary fencing will need to be erected for the owner’s dog during the project.
 - 6923 Wickersham Road – 6-foot temporary fencing will need to be erected for the owner’s two dogs during the project.
 - 6932 Skyhawk Drive – Wooden fence will need to be removed and replaced.
 - 6934 Skyhawk Drive – Treehouse located in the rear of the property is cemented into the ground and will have to be destroyed. Older metal building will have to be taken down and destroyed.
 - 6828 Buttermere Drive – Temporary fencing will be needed for the owner’s pets. Remove/replace wooden fencing.
 - 6801 Beaver Stone Street – Property owner requests workers enter the property from the rear.
 - iii. All work to include clearing operations should be performed inside the PUE and TCE, or public right-of-way.
 - b. Customer Service – It is expected that the Contractor recognize they are working in subdivisions, public right-of-way, and on private properties. All personnel are to be respectful and courteous. The Contractor shall follow the Contract requirements for dealing with complaints that may arise during construction. The Contract working hours are 7 AM to 5 PM, Monday thru Friday (Contract Documents Volume I Section 1.06). The working hours will be enforced. There will be no work on weekends and PWC recognized holidays.
 - c. Testing and Acceptance
 - i. Compaction testing will be conducted in accordance with the Contract Documents.
 - 1. Compaction testing will be coordinated by the PWC Project Coordinator.
 - 2. PWC will contract directly with the materials testing firm and pay for all initial compaction testing. However, the Contractor will be charged for all retests and bracket testing for failed compaction testing.
 - ii. Testing of the sewer mains, manholes, and laterals shall be conducted in accordance with the Contract Documents.
 - 1. Contractor shall coordinate with the PWC Project Coordinator two (2) business days prior to schedule testing.

- d. Traffic Control – Traffic Control shall be in accordance with the most recent edition of the MUTCD, NCDOT Standards, and the Approved Traffic Control Plan. The Contractor is required to submit traffic control plans for approval to the Project Engineer for work in both NCDOT and City of Fayetteville roadways. These plans shall be approved prior to work beginning in any roadway. In accordance with the Contract Documents, the Contractor shall notify the City of Fayetteville and PWC by close of business the Wednesday of the previous business week, indicating which roadways will be affected by the work for the upcoming week. This notification shall include a brief sketch. The Contractor shall abide by all NCDOT and City of Fayetteville requirements when working within their respective rights-of-way.
- e. Erosion Control – The Contractor will be required to abide by the approved erosion control plan and permit daily. The Contractor is also required to submit a supplemental erosion plan for their staging area to NCDEQ for approval. Upon completion of the project, the staging area shall be seeded, and ground cover established, in accordance with the requirements of the erosion control permit.
- f. Water Services
 - i. AQUA owns water main within project limits.
 - ii. If an AQUA water service is damaged during construction, the Contractor is expected to replace the water service from main to meter with poly pipe. If any damage to facilities occurs, the PWC Project Coordinator and the AQUA representative shall be notified.
 - 1. AQUA's field representative during construction is Scott McMasters. He can be reached at (910) 728-1043.
- g. Restoration – Sod will be utilized for all easement areas and lateral trenches. Areas outside the project limits that are damaged shall be considered collateral damage areas and shall be restored with sod at no cost to PWC.
- h. This project includes Permanent Pavement Patch, which consists of 8-inches of ABC stone base and 2-inches of surface course.
 - i. The Contractor will be required to place and compact 10-inches of ABC Stone in the trenches immediately after installation of the sanitary sewer main and laterals. The upper 2-inches of ABC-stone will be removed for paving. Contractor should review Section 01000 and Section 0125A, Measurement and Payment Item A-1, in Volume I of the Contract Documents.
 - ii. There will not be an overlay or an alternate bid for temporary patching on this Contract.
 - iii. A line item has been included in the bid form for permanent pavement patch in failed areas outside the trench limits, as previously identified by the City of Fayetteville. These areas will be painted by the City of Fayetteville Inspector prior to patching.
- i. Staging Area - requirements can be found in Volume I, Section 01000, Paragraph 2.05 H. The Contractor is required to submit a plan to PWC, as indicated in the Contract Documents. Any Temporary Use and Truck Route Permit fees shall be the Contractor's responsibility. An approved supplemental erosion control plan is also the Contractor's responsibility.
- j. Truck Route Bond – Volume I, Section 01000, Paragraph 2.05 J, The Contractor will be required to bond those City streets outside the project limits that will be utilized for construction activities. A bond amount of \$25,000 is anticipated.

7. COVID-19
 - a. If the contractor or subcontractor personnel comes in contact with someone who has been exposed to or tested positive for COVID-19, the contractor should inform the Project Coordinator and Project Engineer immediately.
8. Design Engineer Comments
9. City of Fayetteville Comments
10. Questions
11. Adjourn

Phase V Annexation, Project XII, Construction Area 26- Cliffdale West and Woodmark
March 22, 2023, 11:00AM
Teleconference

<u>NAME</u>	<u>COMPANY</u>	<u>EMAIL</u>	<u>PHONE</u>
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