



It is the goal of SAPA to provide bids and write contracts that can be used by multiple members providing the best products, services and delivery of reasonable priced products. Members are requesting that more products and services be bid since many members use like products and services alleviating members having to write bids for many of the same items used by other SAPA members. The advantages work well for better pricing for members and benefit bidders giving them a means of providing products and services to many more customers giving vendors a larger customer base and better pricing for companies bidding SAPA Bids. SAPA members are increasing because of the benefits of better pricing through multiple members using like products.

The **South Alabama Purchasing Association (SAPA)** is releasing a bid for **WATER & SEWER INVENTORY ITEMS USED BY SAPA UTILITY MEMBERS**. Bids will be opened on: Thursday, September 24, 2020 at 10:00 am. If you should have any questions, please email: waynesmith@sarpc.org. All questions must be documented through email and no question will be addressed by telephone or voice mail. Any question must be clearly documented and an answer to the question will be sent as soon as possible to SAPA bidders. An attachment of the emailed question will be sent to all bidders and SAPA members. Depending upon the question or clarification needed, an Addendum may be released. The last date a question can be responded to will be: Monday, September 21, 2020 at 4:00 pm. A decision and announcement of the award of the bid will not be made the day of the bid opening. Because of the number of items bid, the bid will not be read aloud. A bid tabulation will be posted on the SARPC/SAPA Website as soon as possible after the bid opening. The address of the website is: www.SARPC.com then click under SAPA BIDS. SAPA members will vote as soon as a tabulation is released, then a recommendation will be made by those members of the lowest qualified bidder meeting specifications. After the low bidder meeting specifications has been contacted, a contract will be executed between SAPA and the awarded bidder as soon as possible.

The following are members of the *South Alabama Purchasing Association*, otherwise known as SAPA.

- City of Foley
- City of Robertsdale
- City of Bay Minette
- South Alabama Regional Planning Commission
- Mobile County Commission
- City of Satsuma
- City of Daphne
- Baldwin County Commission
- Daphne Utilities
- City of Orange Beach
- City of Gulf Shores
- Mobile Area Water and Sewer & Sewer System
- City of Fairhope
- Baldwin County Board of Education
- North Baldwin Utilities
- City of Saraland
- Town of Summerdale
- City of Semmes
- Riviera Utilities
- Gulf Shores City Board of Education



Russell Whisnant

Sales

Ferguson Waterworks

30065 Hwy 59

Loxley, AL 36551

(251) 964-8330 Office

(251) 677-6095 Direct

(251) 964-8334 Fax

russell.whisnant@ferguson.com

ferguson.com/waterworks

NOTE:

After you receive this email with the attached bid, please respond via email stating that you have received all pages, which includes the title page of the RFB along with your intent to either BID or NO-BID.



All SAPA bid openings are normally open to the public. Because of present public restrictions placed by the State of Alabama, the public may not be able to gather for a bid opening. If such restrictions are in place at the time of the bid opening, vendors will be sent the tabulation sheet as soon as possible showing vendor pricing and other information. It is always the wish of the South Alabama Purchasing Association to be as transparent as possible. All tabulations are also posted on the SAPA Website for public record.

Bid opening will be September 24, 2020 at 10:00 am.

Location of bid opening:

Daphne Utilities
8301 Well Road
Daphne, Alabama 26526

Bids may be mailed to:

Daphne Utilities
Attn: Marinda Turner – SAPA BID
P.O. Box 2550
Daphne, Alabama 36526

We appreciate you bidding on the WATER & SEWER INVENTORY FOR SAPA UTILITY MEMBERS & look forward to working with you through the bid process.

Best Regards,

Wayne Smith,
SAPA Coordinator,
South Alabama Purchasing Association (SAPA)
Email: waynesmith@sarpc.org
Office at SARPC: 251-433-6541, Ext: 430
Cell: 251-463-1271
Bid Information: www.sarpc.org
*An affiliate of:
South Alabama Regional
Planning Commission*



SOUTH ALABAMA PURCHASING ASSOCIATION

110 Bearegard Street
Mobile, Alabama 36633

REQUEST FOR BID (RFB) SAPA 2020-07

WATER & SEWER INVENTORY FOR SAPA UTILITY MEMBERS

**COMPETITIVE SEALED PROPOSALS WILL BE
RECEIVED NO LATER THAN:**

**Thursday, September 24, 2020 at 10:00 am,
Local Time, At the Following Location:**

DAPHNE UTILITIES

8301 Well Road

Daphne, Alabama 36532

Attn: Marinda Turner – SAPA BID

Wayne Smith, SAPA
Coordinator

Hand Deliver to:

Daphne Utilities
% SAPA BID –
Attention: Marinda
Turner
8301 Well Road
Daphne, Alabama 36526

Mail to:

Daphne Utilities
% SAPA BID –
Attention: Marinda Turner
PO Box 2550
Daphne, Alabama 36526



SEALED SAPA BIDS will be received at Daphne Utilities, Attention: Marinda Turner for the *South Alabama Purchasing Association*, hereafter known as SAPA on Thursday, September 24, 2020 prior to 10:00 am, local time at which time bids will be publicly opened.

Questions or comments pertaining to this bid must be presented in writing and sent as an E-mail to:

Wayne Smith,
E-mail: waynesmith@sarpc.org

Each bid sent is to be in a separate opaque envelope, clearly marked with the following information:

“Sealed Bid”
WATER & SEWER SAPA INVENTORY
FOR SAPA UTILITY MEMBERS
Bid No: 2020-09
Attn: Marinda Turner

Failure to observe the instructions contained herein will constitute grounds for rejection of your bid. SAPA reserves the right to accept or reject all bids or any portion thereof whichever is in the best interest of SAPA.

The company awarded the bid must present proof of having Workman's Compensation Insurance if the company's employee enters the SAPA member's premises. Any firm submitting a proposal must have General Liability Insurance specifying coverage must maintain to hold any SAPA members harmless in event of an accident.

No bids will be considered unless the bidder, whether resident or non-resident of Alabama, is properly qualified to submit a proposal for this type of work in accordance with all applicable laws of the State of Alabama. Where applicable, this shall include evidence of holding a current license from the State Licensing Board for General Contractors, Montgomery, Alabama.



1.0 INSTRUCTIONS TO BIDDER

1.1 AWARD OR REJECTION OF BIDS:

The Bid will be awarded to the lowest responsible bidder complying with conditions of the invitation for Bids, provided his/her bid is reasonable and it is in the interest of SAPA in accepting it. The bidder to whom the award is made will be notified as soon as possible. SAPA, however reserves the right to reject any and all bids, and to waive any informality in Bids received whenever such rejection or waiver is in the interest to SAPA.

1.2 EVALUATION OF BID- BASIS OF AWARD:

All purchases which are based on competitive Invitation to Bids are awarded to the lowest, responsive bidder subject to SAPA's right to reject any or all bids and to waive informality and irregularity in bids and bidding. In addition to price, consideration will be given to the following items determining the lowest, responsive bidder:

- » The best interest of SAPA members
- » The quality and performance of the goods or services to be supplied
- » Conformity to specifications
- » Delivery time (if applicable)
- » Other unique requirements outlined in the bid request
- » Comparison of two or three common items SAPA members use

1.3 COMPLIANCE:

All bid components will comply with all Federal, State and Local laws, ordinances, codes and regulations. The awarded Vendor will be responsible for insuring that all items meet specifications before delivery. Awarded vendor will make no substitutions for bid items without prior written approval of SAPA or SAPA member.

1.3.1 ORDERING:

SAPA member will place orders as needed and will not guarantee any particular quantity of parts or equipment will be ordered.

1.3.2 If Awarded Vendor fails to deliver amount ordered within a reasonable amount of time, the SAPA member reserves the right to procure needed, comparable items from another source, and may bill the Awarded Vendor for associated expenses generated by such failure.



1.4 DELIVERY:

1.4.1 Because of the Covid-19 Pandemic, some delays are being experienced in transportation and manufacturing of some items. Many companies are experiencing longer than usual delays in shipping when ordering some products. Some companies are prioritizing some products considered non-essential to life and public safety. Construction and necessary repairs for SAPA utility members is a priority and experiencing delays on shipments can be costly and could be dangerous depending what products are experiencing delays. In light of delays, when awarding a bid, delivery dates may play a large part of the awarding of a bid.

1.4.2 All orders should be delivered as soon as possible after receipt of order (ARO). Partial shipments are acceptable if authorized. Items will be delivered to the address on the Purchase Order. All freight charges must be paid by the vendor. If Equipment such as parts are delivered, an itemized delivery ticket including the purchase order will be clearly referenced thereon, to SAPA member receiving personnel for signing such ticket.

1.4.3 All invoices must agree with the purchase order in description, price and include the following information:

- Purchase Order Number
- Ship to department name and address

1.4.4 In order to ensure prompt payment, all original invoices must have a Purchase Order Number.

1.4.5 F.O.B. SAPA Member's location as directed by order.

1.5 MEMBER TO PICK UP PARTS:

SAPA Members may prefer to pick up items as needed if a storefront is available but a storefront is not required.

1.6 INSURANCE:

Contractor, at its sole expense, shall obtain and maintain in full force the following insurance to protect the Contractor and the SAPA Member at limits and coverage's specified herein. The SAPA Member may list "additional insured" on all applicable certificates.

**1.7 PAYMENT:**

Invoices, upon completion of service and delivery of materials specified in the applicable Purchase Order, Awarded Vendor will submit an invoice and signed delivery ticket to the SAPA Member's address as specified by that member. SAPA Member's Purchase Order Number must be written on all paperwork, including delivery tickets along with the invoice. Other reasonable additional instructions may be given by SAPA Member.

1.8 PROOF OF DELIVERY:

It is the responsibility of the supplier to provide proof of delivery of merchandise. Proof of delivery required would consist of:

- A signed delivery ticket by a designated representative of the department
- Whom the item is delivered to and
- Purchase Order Number reflected for the order.

1.9 COLLUSION:

If there is any reason for believing that collusion exists among the Bidders any or all proposals may be rejected, and those participating in such collusion may be barred from submitting bids on the same or other work affiliated with SAPA or the SAPA Member.

2.0 CONTRACT**2.1 CONTRACTS**

The Request for Proposal, Vendors Bid, the acceptance of the bid whether in part of whole, and the Letter of Award to the successful vendor shall constitute a contract unless otherwise noted.

2.2 Term of Contract

It is the desire of SAPA that a contract remain in effect for a period of one (1) year with an option to extend for two (2) additional years, beginning on the first day of purchase of the award subject to funding for the various "SAPA" members on a year-to-year basis if both parties agree.

2.3 PRICE ESCALATION/DESCALATION CLAUSE

Pricing offered shall be firm against any increase for one year from the date of award. It shall be the Contractor's responsibility to send written notification of any requested price changes thirty (30) days in advance prior to the automatic



commencement of subsequent renewal periods. SAPA reserves the right to grant or deny the request for a price increase. Pricing will be tied to the PPI Index.

2.4 **Contract Commencement**

Successful vendor shall immediately, upon *Notice of Award* proceed to secure any equipment, services, or other items bid, proceed with the execution of the contractual services of this proposal.

2.5 **Termination of Contract**

If, for any reasons, or through any cause, the Contractor fails to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor violates any of the covenants, agreements, or stipulations of this Contract, SAPA and/or the SAPA member may terminate the contract by a 30-day written notice, in whole or in part if vendor fails to perform adequately the services, terms or promises vendor proposed in their response to this RFP.

2.6 **Notification of Owner Re: Termination/Expiration**

Each and every policy shall contain an endorsement stating that insurance company will not, prior to completion of the contract of any policy expiration date shown on policy and certificate, whichever occurs first, terminate policy or change, to Owner at whose request the policy and certificates are issued.

3.0 **SCOPE OF WORK**

3.1 The attached specifications are intended and provided solely as a general and non-exhaustive expression for the intent and purpose of SAPA and the SAPA Member regarding this bid; said specifications should be so considered by the bidders. The use of specific names is not intended to restrict the bidder or any seller or manufacturer but is solely for the purpose of indicating the type, size and quality of materials, product services, or equipment best suited for SAPA and its members. Accordingly, the bidder admits and agrees that said specifications are not complete in every detail and that the work and materials not indicated or expressly mentioned in said specifications, but which are reasonably necessary for the full and faithful performance of the item(s) bid in accordance with their full and faithful intent, will be included in the bid and incorporated in the work by the bidder and at the bidder's sole expense, the same as if indicated and specified.

3.2 SAPA reserves the right to terminate the contract at any time by registered letter



to the supplier if specifications and conditions are not met.

- 3.2.1 If you are unable to furnish product as specified and desire to offer a substitute, give full description of the item. No errors will be corrected after bids are opened. No prices shall include State or Federal Excise Taxes. Municipalities or Towns which are SAPA Members are exempt from Alabama Sales Tax by state law.
- 3.2.2 Any attachments hereto are made and become a part of this inquiry and must be signed by bidder.
- 3.2.3 SAPA Bid Form must be filled in completely.
- 3.2.4 All pages of the bid form must be returned. Any substitutions must be noted on a page describing the substituted item and reason for substituting the item.
- 3.2.5 All documents requested must be attached to the back of page of such request and acknowledgement must be made where blank appears.
- 3.2.6 A signed contractual agreement must be in place prior to any item/s being delivered.

4.0 MANUFACTURER/ITEM NUMBER:

Vendors must complete the MFR/ITEM NUMBER being bid for each item bid must have a MFR/ITEM NUMBER.

- 4.1 NOTE: Unit pricing entered on the Item List must be "Cost" before the = % is added.

4.2 MATERIALS, SUPPLIES OR EQUIPMENT:

All materials, supplies or equipment being bid and delivered to the SAPA member shall be new, unused, or recent manufacture, first class quality in every respect, and suitable for their intended purpose.





BID COST SHEET

- 4.3 ALL DELIVERY COST MUST BE INCLUDED IN PRICE (UNLESS OTHERWISE NOTED).
- 4.4 BIDS MUST BE RETURNED ON ENCLOSED QUOTE SHEET WITH TOTAL UNIT COST LISTED.
- 4.5 BIDDER ACKNOWLEDGES WITH THE SUBMISSION OF A BID THAT HE/SHE HAS REVIEWED THE TERMS AND CONDITIONS OF THIS BID AND ACCEPTS THEM.
- 4.6 BID SHEETS MUST BE DATED AND SIGNED BY COMPANY OWNER OR AUTHORIZED PERSONNEL.
- 4.7 THE BIDDER ACKNOWLEDGES WITH THE SUBMISSION OF A BID THAT HE/SHE HAS REVIEWED THE TERMS AND CONDITIONS OF THIS BID AND ACCEPTS THEM. BID SHEETS MUST BE SIGNED BY COMPANY OWNER OR AUTHORIZED PERSONNEL AND NOTARIZED.

5.0 SPECIFICATIONS

5.1 PVC SCH40 Fittings:

The rigid PVC compound used in the manufacture of SCH40 fittings must be Type I, Grade I with a cell classification of 12454B as defined in ASTM D1784. The compound shall be approved by NSF International (NSF Std. 61) for the conveyance of potable water. The fittings shall be in strict accordance with ASTM D2466. Markings on fittings shall be permanent and include, at a minimum, manufacturer's name or trademark, fitting size(s), Schedule 40, ASTM D2466, NSF seal of approval and manufacture date. Fittings shall be stored indoors by manufacturer until shipped. All standards shall include latest revisions. Fittings shall be white. Fittings shall be in new condition and no older than 1 year from date of manufacture. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

- 5.2 **PVC SCH40 Pipe:** The rigid PVC compound used in the manufacture of SCH40 pipe must be Type I, Grade I with a cell classification of 12454B as defined in ASTM D1784. The compound shall be approved by NSF International (NSF Std.



61) for the conveyance of potable water. The pipe shall be manufactured in strict accordance with ASTM D1785. Markings on the pipe shall, at a minimum, include the manufacturer's name or trademark, pipe material, nominal pipe size, material designation code, pipe schedule and pressure rating at 73 degrees Fahrenheit, ASTM Designation D1785, NSF seal of approval for potable water usage and date of manufacture. All standards shall include latest revisions. Pipe shall be white. Pipe shall be in 20-foot lengths. Pipe shall contain solvent weld bell on one end and beveled spigot on the other. Pipe shall be in new condition and no older than 1 year from date of manufacture. All pipe deliveries shall include a document that defines all markings on the pipe and the country in which the pipe was manufactured. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

- 5.3 **PVC SCH 80 Fittings:** The rigid PVC compound used in the manufacture of SCH 80 fittings must be Type I, Grade I with a cell classification of 12454B as identified in ASTM D1784. The compound shall be approved by NSF International (NSF Std. 61) for the conveyance of potable water. The fittings shall be in strict accordance with ASTM D2467 for socket fittings and ASTM D2464 for threaded fittings. Markings on fittings shall be permanent and include, at a minimum, manufacturer's name or trademark, PVC, fitting size(s), Schedule 80, ASTM D2466, country where manufactured, NSF seal of approval for potable water usage and manufacture date. Fittings shall be stored indoors until shipped by manufacturer. All standards shall include latest revisions. Fittings shall be gray. Fittings shall be in new condition and no older than 1 year from date of manufacture. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.
- 5.4 **PVC SCH 80 Pipe:** The rigid PVC compound used in the manufacture of SCH80 pipe must be Type I, Grade I with a cell classification of 12454B as defined in ASTM D1784. The compound shall be approved by NSF International (NSF Std. 61) for the conveyance of potable water. The pipe shall be manufactured in strict accordance with ASTM D1785. All pipe shall be stored indoors until shipped from the manufacturer. Markings on the pipe shall, at a minimum, include the manufacturer's name or trademark, PVC, Sch. 80, nominal pipe size, material designation code, pipe schedule and pressure rating at 73 degrees Fahrenheit, ASTM D1785, NSF seal of approval for potable water usage and date of manufacture. All standards shall include latest revisions. Pipe shall be gray. Pipe shall be in 20-foot lengths. Pipe shall contain solvent weld bell on one end and beveled spigot on the other. Pipe shall be in new condition and no older than 1-year from date of manufacture. All pipe deliveries shall include a document that defines all markings on the pipe and the country in which the pipe was



manufactured. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

6.0 SAPA 2020-07 Pipe, PVC Fittings and Ball Valves

6.1 **Gravity Flow SDR 35 Cleanout Adapter (Hub) and Recessed Cleanout Plug:**

SDR35-PVC clean-out adapter (hub) and recessed plug shall meet requirements of ASTM D3034. The fittings shall be made from a compound that meets or exceeds cell classification 12454B as defined by ASTM 1784. Adapter shall be for solvent weld connection to SDR26 gravity sewer service pipe. Fittings shall be stored indoors until shipped by manufacturer. All standards shall include latest revisions. Adapter and plug shall be white. Fittings shall be in new condition and no older than 1-year from date of manufacture. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

6.2 **SDR 26 Sewer Fittings for Gravity Sewer Service:**

SDR26 PVC gravity sewer fittings for shall meet requirements of ASTM D3034. SDR26 PVC gravity sewer fittings for 18" and larger pipe shall meet requirements of ASTM F679. The fittings shall be made from a compound that meets or exceeds cell classification 12454B as defined by ASTM 1784. Integral bells must incorporate locked-in flexible elastomeric gaskets meeting the requirement of ASTM D3212 and F477. Where solvent welded joints are required, such joints shall meet ASTM D2467. Markings on fittings shall be permanent and include, at a minimum, manufacturer's name or trademark, PVC, fitting size(s), SDR26, ASTM D3034 or F679, country where manufactured and manufacture date. Fittings shall be stored indoors until shipped by manufacturer. All standards shall include latest revisions. Fittings shall be white, green or green and white. Fittings shall be in new condition and no older than 1-year from date of manufacture. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

6.3 **SDR 26 Pipe for Gravity Sewer Service:**

All SDR26 PVC gravity sewer pipe shall meet requirements of ASTM D3034 and F679 for 18" through 36" pipe. The pipe shall be made from a compound that meets or exceeds cell classification 12454B as identified in ASTM 1784. Pipe length shall be 14 feet or 20-feet to be specified when ordered. Integral bells must incorporate locked-in flexible elastomeric



gaskets meeting the requirement of ASTM D3212 and F477. Spigot end of pipe shall be beveled. Markings on the pipe shall, at a minimum, include the manufacturer's name or trademark, pipe material, nominal pipe size, material designation code, SDR26, ASTM D1785 and date of manufacture. All standards shall include latest revisions. Pipe shall be green. Pipe shall be in new condition and no older than 1-year from date of manufacture. All pipe deliveries shall include a document that defines all markings on the pipe and the country in which the pipe was manufactured. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

- 6.4 **AWWA C-900 DR18 PC150 Water Distribution Pipe:** Water main distribution pipe must be made in accordance with AWWA C900 and AWWA C905, respectively from a compound conforming to cell classification of 12454B as defined by ASTM 1784. Integral bells must incorporate flexible elastomeric gaskets meeting the requirements of ASTM F477 and be locked into the bell. Spigot end of pipe shall be beveled. The assembled joint must be able to meet the requirements of ASTM D3139. The pipe and gasket must be tested and approved for contact with potable water in accordance with NSF Standard 61. The pipe and gasket must be listed by Underwriters Laboratory Listing #76E4 and approved by Factory Mutual. Markings on pipe shall be permanent and include, at a minimum, manufacturer's name or trademark, material designation, PVC, pipe size, C900, pressure rating, cell classification 12454B, NSF seal of approval for potable water usage, FM designation, UL designation, and date of manufacture. All standards shall include latest revisions. All pipe shall be blue unless requested in green for gravity or force main service. NSF designation not required for sanitary sewer service pipe if "Non-NSF" or "Non-Potable" marked on green pipe. Pipe length shall be 20-feet. Pipe shall be in new condition and no older than 1-year from date of manufacture. All pipe deliveries shall include a document that defines all markings on the pipe and the country in which the pipe was manufactured. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

- 6.5 **PVC Schedule 80 Compact Ball Valves:** The rigid PVC compound used in the manufacture of PVC compact ball valves shall be Type I, Grade I with a cell classification of 12454 per ASTM D1784. The ball valve shall be manufactured in strict accordance with ASTM D1784. The O-rings shall be EPDM and the seats shall be Teflon. The valve handle shall be of high impact polypropylene and contain open and/or close markings on top. Full closure of valve shall be accomplished with 1/4 turn of handle. The valve shall also meet the requirements of ASTM F1970 and be certified for use with potable water in accordance with NSF International (NSF Std. 61). Minimum pressure rating of valve shall be 150 psi



non-shock at 73° F. The valve shall have socket-end connections conforming to the requirements of ASTM D2467 and F439 for solvent welded joints. The valve shall be white or gray. Markings on the valve shall be permanent and include, at a minimum, manufacturer's name or trademark, material designation, NSF seal of approval, pressure rating, and nominal size. Valves shall be stored indoors by manufacturer until shipped. All standards shall include latest revisions. Valves shall be in new condition and no older than 6-months from date of manufacture. A dated certification of compliance with these specifications containing an original signature from appropriate representative of manufacturer or vendor shall be provided to SAPA upon delivery of the material.

6.6 Ductile Iron Pipe (Water)

All Ductile Iron pipe shall meet requirements of current AWWA Specifications C151 with Mechanical Joint or Push-on Joint type pipe. Working pressure shall be a minimum of 150 psi. Design thickness and pressure classes are listed below:

- Diameter 3" Class 52
- Diameter 4" – 12" Class 350
- Diameter 14" – 24" Class 250
- Diameter 30" – 60" Class 150

The interior of all pipe shall be cement mortar lined as specified in AWWA Specification C104, and the exterior shall receive an approved bituminous coating. All gaskets, bolts and lubricants shall be furnished.

Ductile Iron pipe shall be centrifugally cast with minimum wall thickness in accordance with current AWWA Specifications C151, Table 51.1.

The pressure rating, metal thickness, net weight of pipe without lining, length of pipe, name of the manufacturer and letters "DI" shall be clearly marked on each length of pipe.

6.7 Category "C" Specifications for Ductile Iron Mechanical Joint Fittings (Water)

Fittings shall be Mechanical Joint, Ductile Iron Compact Fitting Class 350 type, meeting current AWWA Specifications C104.

Fittings shall meet or exceed all applicable terms and provisions of current



AWWA and ANSI Specifications.

Fittings shall be from one of the following companies only: US Pipe, Tyler Union, Sigma Corporation, or SIP Industries.

Fittings are to include gaskets and bolts only. NO GLANDS

Category "D" and "E" Specifications for Ductile Iron Pipe (Sewer)

The Ductile Iron pipe shall meet requirements of current AWWA Specifications C151 psi. Design thickness and pressure classes are listed below:

- Diameter 3" Class 52
- Diameter 4" – 12" Class 350

Interior of all pipe shall be ceramic epoxy lined with either Permox-CTF (tinted green) or Tenmec 431 Perma-Shield PL (tinted green), and exterior shall receive an approved bituminous coating. All gaskets, bolts and lubricants shall be furnished.

Ductile Iron pipe shall be centrifugally cast with minimum wall thickness in accordance with current AWWA Specifications C151, Table 51.1.

The pressure rating, metal thickness, net weight of pipe without lining, length of pipe, name of the manufacturer and letters "DI" shall be clearly marked on each length of pipe.

6.8 Category "F" Specifications for Ductile Iron Mechanical Joint Fittings (Sewer)

Fittings shall be Mechanical Joint, Ductile Iron Compact Fitting Class 350 type, meeting current AWWA C153 Specifications and shall be ceramic epoxy lined.

The interior of all fittings shall be ceramic epoxy lined with either Permox-CTF (tinted green) or Tnemec 431 Perma-Shield PL (tinted green), and the exterior shall receive an approved bituminous coating.

Fittings shall meet or exceed all applicable terms and provisions of current AWWA and ANSI Specifications.

Fittings shall be from one of the following companies only: US Pipe, Tyler Union, Sigma Corporation, or SIP Industries.
 Fittings are to include gaskets and bolts only. NO GLANDS

**SAPA 2020-07 MJ DI PIPE AND FILLTING
 SECTION 1 - WATER PIPE BID SHEET**

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
1		Mechanical Joint Ductile Iron Pipe	A-Water	3"	52	NO BID
2		Mechanical Joint Ductile Iron Pipe	A-Water	4"	350	NO BID
3		Mechanical Joint Ductile Iron Pipe	A-Water	6"	350	NO BID
4		Mechanical Joint Ductile Iron Pipe	A-Water	8"	350	NO BID
5		Mechanical Joint Ductile Iron Pipe	A-Water	10"	350	NO BID
6		Mechanical Joint Ductile Iron Pipe	A-Water	12"	350	NO BID
7		Mechanical Joint Ductile Iron Pipe	A-Water	14"	250	NO BID
8		Mechanical Joint Ductile Iron Pipe	A-Water	16"	250	NO BID
9		Mechanical Joint Ductile Iron Pipe	A-Water	18"	250	NO BID
10		Mechanical Joint Ductile Iron Pipe	A-Water	20"	250	NO BID
11		Mechanical Joint Ductile Iron Pipe	A-Water	24"	250	NO BID
12		Mechanical Joint Ductile Iron Pipe	A-Water	30"	150	NO BID
13		Mechanical Joint Ductile Iron Pipe	A-Water	36"	150	NO BID
14		Mechanical Joint Ductile Iron Pipe	A-Water	48"	150	NO BID
15		Mechanical Joint Ductile Iron Pipe	A-Water	60"	150	NO BID
16		Ductile Iron Push-On Pipe	B-Water	3"	52	NO BID
17		Ductile Iron Push-On Pipe	B-Water	4"	350	NO BID
18		Ductile Iron Push-On Pipe	B-Water	5"	350	NO BID
19		Ductile Iron Push-On Pipe	B-Water	8"	350	NO BID
20		Ductile Iron Push-On Pipe	B-Water	10"	350	NO BID
21		Ductile Iron Push-On Pipe	B-Water	12"	350	NO BID
22		Ductile Iron Push-On Pipe	B-Water	14"	250	NO BID
23		Ductile Iron Push-On Pipe	B-Water	16"	250	NO BID
24		Ductile Iron Push-On Pipe	B-Water	18"	250	NO BID
25		Ductile Iron Push-On Pipe	B-Water	20"	250	NO BID
26		Ductile Iron Push-On Pipe	B-Water	24"	250	NO BID
27		Mechanical Joint Ductile Iron Pipe	D-Sewer	3"	52	NO BID
28		Mechanical Joint Ductile Iron Pipe	D-Sewer	4"	350	NO BID
29		Mechanical Joint Ductile Iron Pipe	D-Sewer	6"	350	NO BID
30		Mechanical Joint Ductile Iron Pipe	D-Sewer	8"	350	NO BID
31		Mechanical Joint Ductile Iron Pipe	D-Sewer	10"	350	NO BID
32		Mechanical Joint Ductile Iron Pipe	D-Sewer	12"	350	NO BID
33		Ductile Iron Push-On Pipe	E-Sewer	3"	52	NO BID
34		Ductile Iron Push-On Pipe	E-Sewer	4"	350	NO BID
35		Ductile Iron Push-On Pipe	E-Sewer	6"	350	NO BID

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
36		Ductile Iron Push-On Pipe	E-Sewer	8"	350	NO BID
37		Ductile Iron Push-On Pipe	E-Sewer	10"	350	NO BID
38		Ductile Iron Push-On Pipe	E-Sewer	12"	350	NO BID
37		Mechanical Joint Ductile Iron Pipe	A-Water	10"	350	NO BID
38		Mechanical Joint Ductile Iron Pipe	A-Water	12"	350	NO BID
39		Mechanical Joint Ductile Iron Pipe	A-Water	14"	250	NO BID
40		Mechanical Joint Ductile Iron Pipe	A-Water	16"	250	NO BID
41		Mechanical Joint Ductile Iron Pipe	A-Water	18"	250	NO BID
42		Mechanical Joint Ductile Iron Pipe	A-Water	20"	250	NO BID
43		Mechanical Joint Ductile Iron Pipe	A-Water	24"	250	NO BID
44		Mechanical Joint Ductile Iron Pipe	A-Water	30"	150	NO BID
45		Mechanical Joint Ductile Iron Pipe	A-Water	36"	150	NO BID
46		Mechanical Joint Ductile Iron Pipe	A-Water	48"	150	NO BID
47		Mechanical Joint Ductile Iron Pipe	A-Water	60"	150	NO BID
48		Ductile Iron Push-On Pipe	B-Water	3"	52	NO BID
49		Ductile Iron Push-On Pipe	B-Water	4"	350	NO BID
50		Ductile Iron Push-On Pipe	B-Water	5"	350	NO BID
51		Ductile Iron Push-On Pipe	B-Water	8"	350	NO BID
52		Ductile Iron Push-On Pipe	B-Water	10"	350	NO BID
53		Ductile Iron Push-On Pipe	B-Water	12"	350	NO BID
54		Ductile Iron Push-On Pipe	B-Water	14"	250	NO BID
55		Ductile Iron Push-On Pipe	B-Water	16"	250	NO BID
56		Ductile Iron Push-On Pipe	B-Water	18"	250	NO BID
57		Ductile Iron Push-On Pipe	B-Water	20"	250	NO BID
58		Ductile Iron Push-On Pipe	B-Water	24"	250	NO BID
59		Mechanical Joint Ductile Iron Pipe	D-Sewer	3"	52	NO BID
60		Mechanical Joint Ductile Iron Pipe	D-Sewer	4"	350	NO BID
61		Mechanical Joint Ductile Iron Pipe	D-Sewer	6"	350	NO BID
62		Mechanical Joint Ductile Iron Pipe	D-Sewer	8"	350	NO BID
63		Mechanical Joint Ductile Iron Pipe	D-Sewer	10"	350	NO BID
64		Mechanical Joint Ductile Iron Pipe	D-Sewer	12"	350	NO BID
65		Ductile Iron Push-On Pipe	E-Sewer	3"	52	NO BID
66		Ductile Iron Push-On Pipe	E-Sewer	4"	350	NO BID
67		Ductile Iron Push-On Pipe	E-Sewer	6"	350	NO BID
68		Ductile Iron Push-On Pipe	E-Sewer	8"	350	NO BID
69		Ductile Iron Push-On Pipe	E-Sewer	10"	350	NO BID
70		Ductile Iron Push-On Pipe	E-Sewer	12"	350	NO BID
71	211021M	MJ 11-1/4 Degree	C-Water	2"	350	\$ 65.74
72	211031M	MJ 11-1/4 Degree	C-Water	3"	350	\$ 33.91
73	211041M	MJ 11-1/4 Degree	C-Water	4"	350	\$ 47.81
74	211061M	MJ 11-1/4 Degree	C-Water	6"	350	\$ 80.00
75	211081M	MJ 11-1/4 Degree	C-Water	8"	350	\$ 90.67
76	211101M	MJ 11-1/4 Degree	C-Water	10"	250	\$ 125.72
77	211121M	MJ 11-1/4 Degree	C-Water	12"	350	\$ 155.43

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
78	21I16M	MJ 11-1/4 Degree	C-Water	16"	350	\$ 330.00
79	21I20M	MJ 11-1/4 Degree	C-Water	20"	350	\$ 489.60
80	21I24M	MJ 11-1/4 Degree	C-Water	24"	350	\$ 653.60
81	21I022M	MJ 22-1/2 Degree	C-Water	2"	350	\$ 60.16
82	21I032M	MJ 22-1/2 Degree	C-Water	3"	350	\$ 33.28
83	21I042M	MJ 22-1/2 Degree	C-Water	4"	350	\$ 49.92
84	21I062M	MJ 22-1/2 Degree	C-Water	6"	350	\$ 76.80
85	21I082M	MJ 22-1/2 Degree	C-Water	8"	350	\$ 99.74
86	21I102M	MJ 22-1/2 Degree	C-Water	10"	350	\$ 136.37
87	21I122M	MJ 22-1/2 Degree	C-Water	12"	350	\$ 165.95
88	21I162M	MJ 22-1/2 Degree	C-Water	16"	350	\$ 312.00
89	21I202M	MJ 22-1/2 Degree	C-Water	20"	350	\$ 520.00
90	21I242M	MJ 22-1/2 Degree	C-Water	24"	350	\$ 744.54
91	21I04QP12	MJ Offset (MJ x PE)	C-Water	4" x 12"	350	\$ 130.80
92	21I04QP18	MJ Offset (MJ x PE)	C-Water	4" x 18"	350	\$ 133.60
93	21I04QP24	MJ Offset (MJ x PE)	C-Water	4" x 24"	350	\$ 146.80
94	21I06QP12	MJ Offset (MJ x PE)	C-Water	6" x 12"	350	\$ 138.40
95	21I06QP18	MJ Offset (MJ x PE)	C-Water	6" x 18"	350	\$ 202.19
96	21I06QP24	MJ Offset (MJ x PE)	C-Water	6" x 24"	350	\$ 238.40
97	21I08QP12	MJ Offset (MJ x PE)	C-Water	8" x 12"	350	\$ 250.30
98	21I08QP18	MJ Offset (MJ x PE)	C-Water	8" x 18"	350	\$ 288.13
99	21I08QP24	MJ Offset (MJ x PE)	C-Water	8" x 24"	350	\$ 266.40
100	21I10QP12	MJ Offset (MJ x PE)	C-Water	10" X 12"	350	\$ 329.04
101	21I10QP18	MJ Offset (MJ x PE)	C-Water	10" X 18"	350	\$ 361.04
102	21I10QP24	MJ Offset (MJ x PE)	C-Water	10" X 24"	350	\$ 454.03
103	21I2QP12	MJ Offset (MJ x PE)	C-Water	12" X 12"	350	\$ 378.73
104	21I2QP18	MJ Offset (MJ x PE)	C-Water	12" X 18"	350	\$ 516.52
105	21I2QP24	MJ Offset (MJ x PE)	C-Water	12" x 24"	350	\$ 678.40
106	21I024M	MJ Bend 45 Degree	C-Water	2"	350	\$ 43.52
107	21I034M	MJ Bend 45 Degree	C-Water	3"	350	\$ 52.48
108	21I044M	MJ Bend 45 Degree	C-Water	4"	350	\$ 52.48
109	21I064M	MJ Bend 45 Degree	C-Water	6"	350	\$ 84.48
110	21I084M	MJ Bend 45 Degree	C-Water	8"	350	\$ 122.88
111	21I104M	MJ Bend 45 Degree	C-Water	10"	350	\$ 161.75
112	21I124M	MJ Bend 45 Degree	C-Water	12"	350	\$ 177.07
113	21I184M	MJ Bend 45 Degree	C-Water	18"	350	\$ 497.50
114	21I204M	MJ Bend 45 Degree	C-Water	20"	350	\$ 530.78
115	21I244M	MJ Bend 45 Degree	C-Water	24"	350	\$ 756.00
116	21I364M	MJ Bend 45 Degree	C-Water	36"	350	\$ 2,113.13
117	21I02S112T	MJ Sleeve	C-Water	2"	350	\$ 65.28
118	21I03S112T	MJ Sleeve	C-Water	3"	350	\$ 49.28
119	21I04S112T	MJ Sleeve	C-Water	4"	350	\$ 56.32
120	21I06S112T	MJ Sleeve	C-Water	6"	350	\$ 94.08
121	21I08S112T	MJ Sleeve	C-Water	8"	350	\$ 152.32
122	21I10S112T	MJ Sleeve	C-Water	10"	350	\$ 140.80

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
123	21I12S112T	MJ Sleeve	C-Water	12"	350	\$ 188.56
124	21I14S115T	MJ Sleeve	C-Water	14"	350	\$ 264.23
125	21I16S115T	MJ Sleeve	C-Water	16"	350	\$ 334.63
126	21I18S115T	MJ Sleeve	C-Water	18"	350	\$ 399.36
127	21I20S115T	MJ Sleeve	C-Water	20"	350	\$ 481.71
128	21I24S115T	MJ Sleeve	C-Water	24"	350	\$ 634.46
129	21I30S115T	MJ Sleeve	C-Water	30"	350	\$ 1,245.60
130	21I36S115T	MJ Sleeve	C-Water	36"	350	\$ 1,748.80
131	21I029M	MJ Bend 90 Degree	C-Water	2"	350	\$ 56.96
132	21I039M	MJ Bend 90 Degree	C-Water	3"	350	\$ 58.88
133	21I049M	MJ Bend 90 Degree	C-Water	4"	350	\$ 63.36
134	21I069M	MJ Bend 90 Degree	C-Water	6"	350	\$ 103.68
135	21I089M	MJ Bend 90 Degree	C-Water	8"	350	\$ 150.40
136	21I109M	MJ Bend 90 Degree	C-Water	10"	350	\$ 183.64
137	21I129M	MJ Bend 90 Degree	C-Water	12"	350	\$ 229.49
138	21I149M	MJ Bend 90 Degree	C-Water	14"	350	\$ 383.09
139	21I169M	MJ Bend 90 Degree	C-Water	16"	350	\$ 454.80
140	21I189M	MJ Bend 90 Degree	C-Water	18"	350	\$ 547.60
151	21I209M	MJ Bend 90 Degree	C-Water	20"	350	\$ 763.20
142	21I249M	MJ Bend 90 Degree	C-Water	24"	350	\$ 1,139.20
143	21I309M	MJ Bend 90 Degree	C-Water	30"	350	\$ 1,828.00
144	21T02T020M	MJ Tee	C-Water	2" x 2"	350	\$ 69.12
145	21I03T030M	MJ Tee	C-Water	3" x 3"	350	\$ 78.08
146	21I04T030M	MJ Tee	C-Water	4" x 3"	350	\$ 94.72
147	21I04T040M	MJ Tee	C-Water	4" x 4"	350	\$ 83.20
148	21I06T040M	MJ Tee	C-Water	6" x 4"	350	\$ 138.88
149	21I06T060M	MJ Tee	C-Water	6" x 6"	350	\$ 149.76
150	21I08T040M	MJ Tee	C-Water	8" x 4"	350	\$ 161.92
151	21I08T060M	MJ Tee	C-Water	8" x 6"	350	\$ 185.60
152	21I08T080M	MJ Tee	C-Water	8" x 8"	350	\$ 164.71
153	21I10T040M	MJ Tee	C-Water	10" x 4"	350	\$ 181.65
154	21I10T060M	MJ Tee	C-Water	10" x 6"	350	\$ 176.01
155	21I10T080M	MJ Tee	C-Water	10" x 8"	350	\$ 206.12
156	21I10T100M	MJ Tee	C-Water	10" x 10"	350	\$ 235.30
157	21I12T040M	MJ Tee	C-Water	12" x 4"	350	\$ 223.25
158	21I12T060M	MJ Tee	C-Water	12" x 6"	350	\$ 222.59
159	21I12T060M	MJ Tee	C-Water	12" x 6"	350	\$ 222.59
160	21I12T080M	MJ Tee	C-Water	12" x 8"	350	\$ 256.48
161	21I12T100M	MJ Tee	C-Water	12" x 10"	350	\$ 329.42
162	21I12T120M	MJ Tee	C-Water	12" x 12"	350	\$ 328.48
163	21I16T060M	MJ Tee	C-Water	16" x 6"	350	\$ 457.89
164	21I16T080M	MJ Tee	C-Water	16" x 8"	350	\$ 496.95
165	21I16T100M	MJ Tee	C-Water	16" x 10"	350	\$ 639.09
166	21I16T120M	MJ Tee	C-Water	16" x 12"	350	\$ 577.38
167	21I16T160M	MJ Tee	C-Water	16" x 16"	350	\$ 684.80

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
168	21I18T060M	MJ Tee	C-Water	18" x 6"	350	\$ 629.49
169	21I20T060M	MJ Tee	C-Water	20" x 6"	350	\$ 688.45
170	21I20T120M	MJ Tee	C-Water	20" x 12"	350	\$ 784.00
171	21I20T160M	MJ Tee	C-Water	20" x 16"	350	\$ 771.60
172	21I20T200M	MJ Tee	C-Water	20" x 20"	350	\$ 850.00
173	21I24T120M	MJ Tee	C-Water	24" x 12"	350	\$ 876.80
174	21I24T160M	MJ Tee	C-Water	24" x 16"	350	\$ 1,104.00
175	21I24T200M	MJ Tee	C-Water	24" x 20"	350	\$ 1,315.94
176	21I24T240M	MJ Tee	C-Water	24" x 24"	350	\$ 1,375.00
178	21I04X040M	MJ Cross	C-Water	4" x 4"	350	\$ 177.92
179	21I06X040M	MJ Cross	C-Water	6" x 4"	350	\$ 121.60
180	21I06X060M	MJ Cross	C-Water	6" x 6"	350	\$ 136.00
181	21I08X060M	MJ Cross	C-Water	8" x 6"	350	\$ 141.20
182	21I08X080M	MJ Cross	C-Water	8" x 8"	350	\$ 148.81
183	21I10X060M	MJ Cross	C-Water	10" x 6"	350	\$ 182.00
184	21I10X080M	MJ Cross	C-Water	10" x 8"	350	\$ 225.60
185	21I10X100M	MJ Cross	C-Water	10" x 10"	350	\$ 238.00
186	21I12X060M	MJ Cross	C-Water	12" x 6"	350	\$ 229.60
187	21I12X080M	MJ Cross	C-Water	12" x 8"	350	\$ 264.00
188	21I12X100M	MJ Cross	C-Water	12" x 10"	350	\$ 417.20
189	21I12X120M	MJ Cross	C-Water	12" x 12"	350	\$ 417.20
190	21I16X100M	MJ Cross	C-Water	16" x 10"	350	\$ 812.50
191	21I16X120M	MJ Cross	C-Water	16" x 12"	350	\$ 825.27
192	21I16X140M	MJ Cross	C-Water	16" x 14"	350	\$ 843.75
193	21I16X160M	MJ Cross	C-Water	16" x 16"	350	\$ 1,154.40
194	21I24X160M	MJ Cross	C-Water	24" x 16"	350	\$ 1,571.60
195	21I24X200M	MJ Cross	C-Water	24" x 20"	350	\$ 2,376.80
196	21I24X240M	MJ Cross	C-Water	24" x 24"	350	\$ 1,960.80
197	21I06T060S	MJ Anchor Tee	C-Water	6" x 6"	350	\$ 107.60
198	21I08T060S	MJ Anchor Tee	C-Water	8" x 6"	350	\$ 134.80
199	21I08T080S	MJ Anchor Tee	C-Water	8" x 8"	350	\$ 204.00
200	21I10T060S	MJ Anchor Tee	C-Water	10" x 6"	350	\$ 170.80
201	21I10T080S	MJ Anchor Tee	C-Water	10" x 8"	350	\$ 226.80
202	21I12T060S	MJ Anchor Tee	C-Water	12" x 6"	350	\$ 194.00
203	21I12T080S	MJ Anchor Tee	C-Water	12" x 8"	350	\$ 290.40
203	21I20T060S	MJ Anchor Tee	C-Water	20" x 6"	350	\$ 594.80
205	21I04CT	MJ Cap	C-Water	4"	350	\$ 23.68
206	21I06CT	MJ Cap	C-Water	6"	350	\$ 42.24
207	21I08CT	MJ Cap	C-Water	8"	350	\$ 57.61
208	21I10CT	MJ Cap	C-Water	10"	350	\$ 72.01
209	21I12CT	MJ Cap	C-Water	12"	350	\$ 92.35
210	21I02PT	MJ Plug	C-Water	2"	350	\$ 35.21
211	21I03PT	MJ Plug	C-Water	3"	350	\$ 28.81
212	21I04PT	MJ Cap	C-Water	4"	350	\$ 29.44
213	21I06PT	MJ Cap	C-Water	6"	350	\$ 39.78

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
214	21I08PT	MJ Cap	C-Water	8"	350	\$ 58.98
215	21I10PT	MJ Plug	C-Water	10"	350	\$ 102.86
216	21I12PT	MJ Plug	C-Water	12"	350	\$ 101.49
217	21I04R03S	SEB Reducer (Small Bell End)	C-Water	4" x 3"	350	\$ 41.60
218	21I06R04S	SEB Reducer (Small Bell End)	C-Water	6" x 4"	350	\$ 51.74
219	21I08R04S	SEB Reducer (Small Bell End)	C-Water	8" x 4"	350	\$ 86.94
220	21I08R06S	SEB Reducer (Small Bell End)	C-Water	8" x 6"	350	\$ 78.94
221	21I10R06S	SEB Reducer (Small Bell End)	C-Water	10" x 6"	350	\$ 121.60
222	21I10R08S	SEB Reducer (Small Bell End)	C-Water	10" x 8"	350	\$ 130.14
223	21I12R06S	SEB Reducer (Small Bell End)	C-Water	12" x 6"	350	\$ 160.50
224	21I12R08S	SEB Reducer (Small Bell End)	C-Water	12" x 8"	350	\$ 136.00
225	21I12R10S	SEB Reducer (Small Bell End)	C-Water	12" x 10"	350	\$ 164.27
226	21I16R12S	SEB Reducer (Small Bell End)	C-Water	16" x 12"	350	\$ 330.67
227	21I04R03S	SEB Reducer (Small Bell End)	C-Water	4" x 3"	350	\$ 41.60
228	21I06R04S	SEB Reducer (Small Bell End)	C-Water	6" x 4"	350	\$ 51.74
229	21I08R04S	SEB Reducer (Small Bell End)	C-Water	8" x 4"	350	\$ 86.94
230	21I08R06S	SEB Reducer (Small Bell End)	C-Water	8" x 6"	350	\$ 78.94
231	21I10R06S	SEB Reducer (Small Bell End)	C-Water	10" x 6"	350	\$ 121.60
232	21I10R08S	SEB Reducer (Small Bell End)	C-Water	10" x 8"	350	\$ 130.14
233	21I12R06S	SEB Reducer (Small Bell End)	C-Water	12" x 6"	350	\$ 160.50
234	21I12R08S	SEB Reducer (Small Bell End)	C-Water	12" x 8"	350	\$ 136.00
235	21I12R10S	SEB Reducer (Small Bell End)	C-Water	12" x 10"	350	\$ 164.27
236	21I16R12S	SEB Reducer (Small Bell End)	C-Water	16" x 12"	350	\$ 248.00
276		MJ Bend 11-1/4 Degree	F-Sewer	3"	350	NO BID
238		MJ Bend 11-1/4 Degree	F-Sewer	4"	350	NO BID
239		MJ Bend 11-1/4 Degree	F-Sewer	6"	350	NO BID
240		MJ Bend 11-1/4 Degree	F-Sewer	8"	350	NO BID
241		MJ Bend 11-1/4 Degree	F-Sewer	10"	350	NO BID
242		MJ Bend 11-1/4 Degree	F-Sewer	12"	350	NO BID
243		MJ Bend 22-1/2 Degree	F-Sewer	3"	350	NO BID
244		MJ Bend 22-1/2 Degree	F-Sewer	4"	350	NO BID
245		MJ Bend 22-1/2 Degree	F-Sewer	6"	350	NO BID
246		MJ Bend 22-1/2 Degree	F-Sewer	8"	350	NO BID
247		MJ Bend 22-1/2 Degree	F-Sewer	10"	350	NO BID
248		MJ Bend 22-1/2 Degree	F-Sewer	12"	350	NO BID
249		MJ Bend 45 Degree	F-Sewer	3"	350	NO BID
250		MJ Bend 45 Degree	F-Sewer	4"	350	NO BID
251		MJ Bend 45 Degree	F-Sewer	6"	350	NO BID
252		MJ Bend 45 Degree	F-Sewer	8"	350	NO BID
253		MJ Bend 45 Degree	F-Sewer	10"	350	NO BID
254		MJ Bend 45 Degree	F-Sewer	12"	350	NO BID
255		MJ Bend 90 Degree	F-Sewer	3"	350	NO BID
256		MJ Bend 90 Degree	F-Sewer	6"	350	NO BID
257		MJ Bend 90 Degree	F-Sewer	8"	350	NO BID
258		MJ Bend 90 Degree	F-Sewer	10"	350	NO BID

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
259		MJ Bend 90 Degree	F-Sewer	12"	350	NO BID
260		MJ Sleeve	F-Sewer	3"	350	NO BID
251		MJ Sleeve	F-Sewer	4"	350	NO BID
252		MJ Sleeve	F-Sewer	6"	350	NO BID
253		MJ Sleeve	F-Sewer	8"	350	NO BID
254		MJ Sleeve	F-Sewer	10"	350	NO BID
255		MJ Sleeve	F-Sewer	12"	350	NO BID
256		MJ Tee	F-Sewer	3" x 3"	350	NO BID
257		MJ Tee	F-Sewer	4" x 3"	350	NO BID
258		MJ Tee	F-Sewer	4" x 4"	350	NO BID
259		MJ Tee	F-Sewer	6" x 4"	350	NO BID
260		MJ Tee	F-Sewer	6" x 6"	350	NO BID
261		MJ Tee	F-Sewer	8" x 4"	350	NO BID
262		MJ Tee	F-Sewer	8" x 6"	350	NO BID
263		MJ Tee	F-Sewer	8" x 8"	350	NO BID
264		MJ Tee	F-Sewer	10" x 4"	350	NO BID
265		MJ Tee	F-Sewer	10" x 6"	350	NO BID
266		MJ Tee	F-Sewer	10" x 8"	350	NO BID
267		MJ Tee	F-Sewer	10" x 10"	350	NO BID
268		MJ Tee	F-Sewer	12" x 4"	350	NO BID
269		MJ Tee	F-Sewer	12" x 6"	350	NO BID
270		MJ Tee	F-Sewer	12" x 8"	350	NO BID
271		MJ Tee	F-Sewer	12" x 10"	350	NO BID
272		MJ Tee	F-Sewer	12" x 12"	350	NO BID
273		SEB Reducer (Small Bell End)	F-Sewer	4" x 3"	350	NO BID
274		SEB Reducer (Small Bell End)	F-Sewer	6" x 4"	350	NO BID
275		SEB Reducer (Small Bell End)	F-Sewer	8" x 6"	350	NO BID
276		LEB Reducer (Large Bell End)	F-Sewer	4" x 3"	350	NO BID
277		LEB Reducer (Large Bell End)	F-Sewer	6" x 4"	350	NO BID
278		LEB Reducer (Large Bell End)	F-Sewer	8" x 6"	350	NO BID

Adapters and Fittings

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
279	Adapter, Inserta Tee	4"x 6"			Sch 3034	NO BID
280	Adapter, Inserta Tee	4" x 8"				NO BID
281	Adapter, Inserta Tee	8" x 6"			Sch 3034	NO BID
282	Adapter, Brass, Compression	Female x 1"	H15454			NO BID
283	Adapter, Brass, Compression w/Comp. Nut Female-2" CTS x 2" FIP		H1545 33510			NO BID
284	Adapter, Brass, Compression	Female x 3/4"	15451			NO BID

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
285	Adapter, Brass, Female Flare	Female Flare x ¾"	H-15071			NO BID
286	Adapter, Male, Brass 1" MIP x ¾" Compression	MIP X ¾"	H-15428			NO BID
287	Adapter, Brass, Male, Compression Nut for CTS	1" Compression	H-15428			NO BID
288	Adapter, Brass, Male, 1-1/2" Compression	Nut for CTS, 1-1/2" MIP	H-15428			NO BID
289	Adapter, Brass, Male, 1-1/4" Compression	Nut for CTS – 1- 1/4" MIP	H15428			NO BID
290	Adapter, Brass, Male, 2" Compression Nut	For CTS x 2" MIP	H15428			NO BID
291	Adapter, Brass, Male, 1" MIP x ¾" Comp	Nut for CTS	C84-43Q H 15428			NO BID
292	Adapter, Male, Brass – ¾" MIP X ¾"	Comp Nut for CTS	H15428			NO BID
293	Adapter, PVC-1" Slip x ¾" Male Thread	Sch-40				NO BID
	CLAMPS					
294	Clamp, Patch,	½" x 3"	72245008403	Smith Blair/JCM		\$ 5.00
295	Clamp, Patch	½" x 6"	72245008406	Smith Blair/JCM		\$ 9.22
296	Clamp, Patch	1" x 6"	72245013206	Smith Blair/JCM		\$ 10.12
297	Clamp, Patch	1" x 3"	72245013203	Smith Blair/JCM		\$ 5.57
298	Clamp, Patch,	2" x 3"	72245023803	Smith Blair		\$ 6.73
299	Clamp, Patch	2 ½" x 3"	72245028803	Smith Blair		\$ 8.42
300	Clamp, Patch	2" x 6"	72245023806	Smith Blair		\$ 12.17
301	Clamp, Patch	¾" x 3"	72245010503	Smith Blair		\$ 5.09
302	Clamp, Pipe Support	1" IPS		Continental		NO BID
323	Clamp, Pipe Support	2" IPS		Continental		NO BID
304	Clamp, Pipe Support	¾" IPS				NO BID
305	Clamp, Pipe Support	4" IPS				NO BID
306	Clamp, Pipe Support	5" IPS				NO BID
307	Clamp, Pipe-Full Circle, Abestos/Cement- Bolt On	10" x 12"	72227111012	Smith Blair		\$ 203.65
308	Clamp, Pipe-Full Circle, Single Bolt- O.D. C900	10" x 15"	72226111015	Smith Blair		\$ 176.47
309	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 12", 12.62 to 13.02	72226127512	Smith Blair		\$ 161.38
310	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 15", 12.62 to 13.02	72226127515	Smith Blair		\$ 197.58
311	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 15" 13.10 to 13.50	72226132015	Smith Blair		\$ 203.33
312	Clamp, Pipe-Full Circle, Bolt On- O.D.	2" x 12" 2.35 to 2.63	72226023812	Smith Blair		\$ 68.93
314	Clamp, Pipe-Full Circle, Bolt On- O.D.	3" x 12" 3.73 x 4.13	72226037512	Smith Blair		\$ 78.78

No.	Item:	Size:	Model No:	Manufacturer	Misc:	Price
315	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" x 12" 4.45 x 4.75	72226045012			\$ 85.57
316	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" x 15" 4.45 to 4.85 C900	72226048014			\$ 103.70
317	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" X 7" 4.45 to 4.75	72226045007			\$ 50.68
318	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" X 12" 6.56 to 6.96	72226066312			\$ 97.59
319	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 6.85 to 7.25	72225069012			\$ 99.02
320	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 6.85 x 7.25	72226069012			\$ 99.02
321	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 7.04 x 7.84	72227069012			\$ 128.10
322	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 15" 6.56 x 6.95 Range covers PVC	72226066315			\$ 109.83
323	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 15" 6.85 x 7.25	72226069015			\$ 115.07
324	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 20" 7.05 x 7.45	72226071020			\$ 169.78
325	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12-1/2" 6.84 x 7.24	72226069012			\$ 99.02
326	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 12" 8.54 x 8.94	72226086312			\$ 115.08
327	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 12" 8.99 x 9.93	72226090512			\$ 118.59
328	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 20" 9.27 x 9.67	72227090520			\$ 252.12
329	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 30" 8.54 x 8.94	72226086330			\$ 268.24
330	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 15" 8.99 x 9.39	72226090515			\$ 141.32
331	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 15" 8.54 x 8.94	72226086315			\$ 137.24
332	Clamp, Pipe-Full Circle, Bolt On- O.D.- Single Bolt	10" x 15" 10.75	72226107515			\$ 175.50
333	Coupling, Compression, PVC	1/2" White 200 PSI				NO BID
334	Coupling, Compression, PVC	1-1/4" White 200 PSI				NO BID
335	Coupling, Compression, PVC	1" White 200 PSI				NO BID
336	Coupling, Compression, PVC	2" White 200 PSI				NO BID
337	Coupling, Compression, PVC	3" White 200 PSI				NO BID
338	Coupling, Compression, PVC	3/4" White 200 PSI				NO BID

No.	Item:	Size:	Model No:	Manufacturer	Misc:	Price
339	Coupling, Compression, PVC	4" White 200 PSI				NO BID
340	Coupling (Fitting), PVC	2" Slip x Slip	86054005416	Hymax		\$ 135.00
314	Coupling, Repair Pipe	3" O.D. 3.47 x 4.03	86054008816	Hymax		\$ 180.00
315	Coupling, Repair Pipe	3" O.D. 3.47 x 4.03 4.25 x 5.63	86054010816	Hymax		\$ 225.00
316	Coupling, Plastic to Plastic	10" PVC				NO BID
317	Coupling, Plastic to Plastic	12" PVC				NO BID
318	Coupling, Plastic to Plastic	15" PVC				NO BID
319	Coupling, Plastic to Plastic	2" PVC				NO BID
320	Coupling, Plastic to Plastic	3" PVC				NO BID
321	Coupling, Plastic to Plastic	4" PVC				NO BID
322	Coupling, Plastic to Plastic	4" x 2" PVC				NO BID
333	Coupling, Plastic to Plastic	6" PVC				NO BID
334	Coupling, Plastic to Plastic	6" x 4" PVC				NO BID
335	Coupling, Plastic to Plastic	6" x 8" PVC				NO BID
336	Coupling, Plastic to Plastic	8" PVC				NO BID
337	Coupling, Repair	6" O.D. Range 6.43 to 7.68	86054016316	Hymax		\$ 275.00
338	Coupling, Repair	8" O.D. Range 8.54 to 9.84	86054021716	Hymax		\$ 305.00
339	Coupling, Repair	10" O.D. Range 10.54	86054027216	Hymax		\$ 390.00
340	Coupling, Repair	12" O.D. Range 12.40 – 13.33	86054031516	Hymax		\$ 465.00
341	Coupling, Steel	2" Nominal Size 2.38 Steel Pressure Rated: 300 WOG- Plastic				NO BID
342	Check Valve, Fitting, Back Flow, Brass	1" (Ford)				NO BID
343	Coupling, Fitting, Slip x Female Thread	2", Schedule 40				NO BID
344	Check Valve, Fitting, Back Flow, Brass	3/4"				NO BID
345	Corporation Stop, Fitting, Brass	1-1/2" Valve Taper Thread, Inlet- 1- 1/2"				NO BID
346	Compression Nut for CTS	1"				NO BID
347	Corporation Stop, Brass	1" AWWA/CC Taper Thread Inlet- 1"				NO BID
348	Compression Nut for CTS	1"				NO BID
349	Coupling, Fitting – PVC	2" Slip x Male Thread				NO BID
350	Corporation Stop, Brass	2" M.I.P. X F.I.P., Hot Tap				NO BID

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
351	Corporation Stop, Standard Thread on Inlet as specified by AWWA C800, suitable for Service Piping, F10000-3-Q or Mueller H15008	¾" Equal to Ford				NO BID
352	Curb Stops, Suitable for service piping	¾" Equal to Mueller 300 series or Ford B11 Series				NO BID
353	Corporation Stop, Brass	¾" Valve, AWWA/CC Taper Thread Inlet-3/4" Compression Nut for CTS	H-15008			NO BID
354	Copper Service Pipe, to be seamless copper water tubing ASTM B 88, Type "K"	¾" Size				NO BID
355	Copper Service Pipe, to be seamless copper water tubing ASTM B 88, Type "K"	1" Size				NO BID
356	Pipe for Service Connections, Copper Service Pipe, Seamless Copper Water Tubing, ASTM B 88, Type "K"	1-1/2" Size				NO BID
357	Crosslinked Polyethylene (PEX) water service Pipe, in accordance with AWWA C904 and to SDR9 Copper Tube Size (CTS). PEX Water Service Pipe	1-1/2" Size				NO BID
358	Crosslinked Polyethylene (PEX) water service Pipe, in accordance with AWWA C904 and to SDR9 Copper Tube Size (CTS). PEX Water Service Pipe	2" Size				NO BID
GALVANIZED FITTINGS						
359	Elbow, 90 Degree Galvanized	1"				NO BID
360	Elbow, 90 Degree Galvanized	1-1/2"				NO BID
361	Elbow, 90 Degree Galvanized	1-1/2" x 1"				NO BID
362	Elbow, 90 Degree Galvanized	1-1/2" x 1-1/4"				NO BID
363	Elbow, 90 Degree Galvanized	1-1/4"				NO BID
364	Elbow, 90 Degree Galvanized	1-1/4" x 1"				NO BID
365	Elbow, 90 Degree Galvanized	½"				NO BID
366	Elbow, 90 Degree Galvanized	1" x ¾"				NO BID
367	Elbow, 90 Degree Galvanized	2"				NO BID
368	Elbow, 90 Degree Galvanized	2" x 1"				NO BID
369	Elbow, 90 Degree Galvanized	2" x 1-1/2"				NO BID
370	Elbow, 90 Degree Galvanized	¾"				NO BID
371	Elbow, Street, 90 Degree Galvanized	1" x 1"				NO BID
372	Gasket, Rubber	10" Mechanical Joint (M.J.)	21AMG110	SIGMA		\$ 10.23
373	Gasket, Rubber	10" Transition	21AMG510	SIGMA		\$ 13.38
374	Gasket, Rubber	12" MJ	21AMG112	SIGMA		\$ 11.80

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
375	Gasket, Rubber	12" Transition	21AMG512	SIGMA		\$ 14.95
376	Gasket, Rubber	2" MJ	21AMG102	SIGMA		\$ 5.51
377	Gasket, Rubber	2" Transition	21AMG502	SIGMA		\$ 4.72
378	Gasket, Rubber	3" MJ	21AMG103	SIGMA		\$ 6.30
379	Gasket, Rubber	3" Transition	21AMG503	SIGMA		\$ 6.30
380	Gasket, Rubber	4" MJ	21AMG104	SIGMA		\$ 6.30
381	Gasket, Rubber	4" Transition	21AMG504	SIGMA		\$ 7.08
382	Gasket, Rubber	6" MJ	21AMG106	SIGMA		\$ 6.30
383	Gasket, Rubber	6" Transition	21AMG506	SIGMA		\$ 7.87
384	Gasket, Rubber	8" MJ	21AMG108	SIGMA		\$ 7.08
385	Gasket, Rubber	8" Transition	21AMG508	SIGMA		\$ 11.80
386	Nipple, Brass	1-1/2" x 5-1/2"	3015N055D	MERIT		\$ 12.24
387	Nipple, Brass	1-1/4" x Close	3012NCLD	MERIT		\$ 3.59
388	Nipple, Brass	1-1/2" x Close	3015NCLD	MERIT		\$ 4.67
389	Nipple, Brass	1-3/4" x 5"	3007N050D	MERIT		\$ 4.26
390	Nipple, Brass	1-3/4" x 6"	3007N060D	MERIT		\$ 5.18
391	Nipple, Brass	1" x Close	3010NCLD	MERIT		\$ 2.39
392	Nipple, Brass	2" x 2"	3020N020D	MERIT		\$ 7.11
393	Nipple, Brass	2" x 4"	3020N040D	MERIT		\$ 11.58
394	Nipple, Brass	2" x 6"	3020N060D	MERIT		\$ 17.09
395	Nipple, Galvanized	1" x 10"				NO BID
396	Nipple, Galvanized	1" x 1-1/2"				NO BID
397	Nipple, Galvanized	1-1/2" x Close				\$ 4.67
398	Nipple, Galvanized	1-1/2" x 2"				NO BID
399	Nipple, Galvanized	1-1/2" x 2-1/2"				NO BID
400	Nipple, Galvanized	1-1/2" x 3"				NO BID
401	Nipple, Galvanized	1-1/2" x 3-1/2"				NO BID
402	Nipple, Galvanized	1-1/2" x 4"				NO BID
403	Nipple, Galvanized	1-1/2" x 4-1/2"				NO BID
404	Nipple, Galvanized	1-1/2" x 5"				NO BID
405	Nipple, Galvanized	1-1/2" x 5-1/2"				NO BID
406	Nipple, Galvanized	1-1/4" x 6"				NO BID
407	Nipple, Galvanized	1/2" x 10"				NO BID
408	Nipple, Galvanized	1" x 2-1/2"				NO BID
409	Nipple, Galvanized	1/2" x 12"				NO BID
410	Nipple, Galvanized	1/2" x 2				NO BID
411	Nipple, Galvanized	1/2" x 3"				NO BID
412	Nipple, Galvanized	1/2" x 4"				NO BID
413	Nipple, Galvanized	1/2" x 6"				NO BID
414	Nipple, Galvanized	1" x 3"				NO BID
415	Nipple, Galvanized	1" x 1/2"				NO BID
416	Nipple, Galvanized	1" x 4"				NO BID

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
417	Nipple, Galvanized	1" x 4-1/2"				NO BID
418	Nipple, Galvanized	1" x 5"				NO BID
419	Nipple, Galvanized	1" x 6"				NO BID
420	Nipple, Galvanized	1" x 8"				NO BID
421	Reducer, Bell, Galvanized	1" x 1/2"				NO BID
422	Reducer, Bell, Galvanized	1-1/2" x 1"				NO BID
423	Reducer, Bell, Galvanized	1-1/4" x 1"				NO BID
424	Reducer, Bell, Galvanized	1-1/4" x 3/4"				NO BID
425	Reducer, Bell, Galvanized	1" x 3/4"				NO BID
426	Riser, Manhole	22-7/8" Dia. X 1-1/2" Rise x 1-3/4" Lid				NO BID
427	Riser, Manhole	23-5/8" Dia. X 1-1/2" Rise x 1-3/4" Lid				NO BID
428	Riser, Manhole	22-7/8" Dia. X 2-1/2" Rise x 2-3/4" Lid				NO BID
429	Riser, Manhole	23-5/8" Dia. X 2-1/2" Rise x 2-3/4" Lid				NO BID
430	Riser, Manhole	22-7/8" Dia. X 3-1/2" Rise x 3-3/4" Lid				NO BID
431	Riser, Manhole	23-5/8" Dia. X 3-1/2" Rise x 3-3/4" Lid				NO BID
432	Riser, Manhole	22-7/8" Dia. X 4-1/2" Rise x 4-3/4" Lid				NO BID
433	Riser, Manhole	23-5/8" Dia. X 4-1/2" Rise x 1-3/4" Lid				NO BID

7.00 Fire Hydrant Specifications

7.01 All hydrants shall meet or exceed AWWA C-502, latest revision, shall be of the traffic-model design, and rated at 200 psi working pressure, 400 psi hydrostatic test pressure. The hydrant main valve shall be a minimum of 5-1/4" and of compression type and closes with the pressure. All operating parts, including the drain ring, operating nut, hold-down nut, upper valve plate, seat ring, drain lever, and nozzles shall be made of bronze, in compliance with AWWA C-502, Section 2.2.501. Hydrant shall be a "Break Away" type hydrant if vehicle makes contact with it.



- 7.02 The bonnet assemble shall provide for an oil or grease reservoir and lubricating system that lubricates all stem threads and bearing surfaces each time the hydrant is operated. The reservoir shall be completely sealed from the waterway and all external contaminants by two O-ring stem seals. Hydrants shall be factory prefilled with a lubricant suitable for a working range of -60 degrees F. to + 150 degrees F. and shall comply with USDA Safety and Health Regulations. Material Safety Data Sheets shall be made available if required.
- 7.03 Hydrants shall be provided with two 2-1/2" bronze hose nozzles and one 4-1/2" bronze pumper nozzle. All nozzle threads shall be National Standard Fire Hose Coupling threads. Nozzle caps shall be cast or ductile iron and provided with gaskets and chains for caps.
- 7.04 Hydrants shall have a 6" mechanical joint inlet, less accessories, with the interior of the hydrant shoe fully fusion bonded epoxy coated with at least 4 mils in accordance to AWWA C-550 and the exterior of the hydrant shoe coated with at least 8 mils of asphaltic coating or epoxy coated to the same specifications as the interior.
- 7.05 The exterior of the lower barrel shall be coated with 4 – 8 mils of asphaltic coating in compliance with AMSOAWWA C110/A21.10. The interior of the lower barrel shall be seal coated in accordance with the requirements of Seal Coating in ANSI/AWWA C104/A21.4 to a thickness of no less than 4 mils.
- 7.06 Flanges of the hydrant lower barrel shall be intergral cast with the barrel, screwed on, or of a connection type approved by the Board of Water & Sewer Commissioners.
- 7.07 The shoe of the hydrant shall be made of ductile iron or cast iron. If the shoe is made of ductile iron, the lower barrel may be made of either ductile iron or cast iron. If the shoe is made of cast iron, the lower barrel shall be made of cast iron only. Shoes and lower barrels made of ductile iron shall have the letters "DI" or "Ductile" cast, stamped, or stenciled (painted) on them. Shoes and lower barrels with no markings will be cast iron.
- 7.08 Hydrants shall utilize three-quarter inch (3/4") bolts meeting ASTM A0307 Grade B, zinc coated by the hot dip process, in accordance with the requirements of Class C of Specification A 153, to secure the lower barrel to the hydrant shoe or type 316 Stainless Steel bolts must be used if the bolts are less than 3/4" in diameter.
- 7.09 Hydrants shall be of the three-way design with the upper barrel capable of full 360-degree rotation by any degree.
- 7.10 Hydrants shall have a 1-1/2" pentagon, one-piece operating nut and open left.



Protection from weather shall be accomplished by one or both of the following methods:

- A. A weather cap made of cast iron and firmly attached to the operating nut by means of a screw passing through the center of the weather Cap and into the top of the operating nut. The base of the weather cap shall be of a type that can be easily removed for maintenance and will provide tamper resistance. The bronze hold-down nut will be a weather seal preventing water entry.
 - B. An exterior rubber seal to prevent water entry and a redundant interior rubber seal for additional protection (2-separate seals).
- 7.11 Hydrants shall allow for the easy installation of barrels or extensions at the hydrant shoe or ground line without having to shut off the water main.
 - 7.12 Design, materials, and workmanship shall be similar and equal to the latest stock pattern produced by the manufacturer and that hydrant shall be of the same general type as the hydrants in the existing system.
 - 7.13 Hydrants shall be furnished for a bury of 3' 6" except where otherwise required in the field and/or called for on the plans.
 - 7.14 The inside diameter of hydrant barrel shall be 6.125 inches or greater. Hydrants with barrels less than 7-inches shall meet AWWA C-502 minimum wall thickness requirements for a 7-inch inside diameter barrel.
 - 7.15 Friction losses through the hydrant shall not exceed 7.6 psi at 1500 gpm or 3.0 psi at 1000 gpm through the posted nozzle, and 1.25 psi at 500 gpm through two (2) hose nozzles when tested simultaneously as outlined by AWWA C-502. Flow test results indicating the friction losses through the hydrant shall not be older than 12 months from the date said results are required by the owner. Flow tests must be conducted by an independent lab. Each manufacturer must provide written certification, if requested, that their hydrants meet all of the Board hydrant specifications.
 - 7.16 Hydrants shall be painted in accordance with the requirements of AWWA C-502. The outside of the hydrant top section shall receive one coat of shop applied primer (Federal Specifications TTO-P-86-Type IV, TT-P-636, or equal). After hydrant is installed, it shall be cleaned and primer applied to scraped or abraded areas. Hydrants shall receive an intermediate coat of final coat of paint meeting Federal Specifications TT-E-489 applied at a dry thickness of 2 mils per coat.
 - 7.17 Complete drawing standards and certificate of compliance must be furnished when requested. Should any accepted fire hydrant change design or material of present accepted fire hydrant, the owner must be notified in writing prior to the change and



the fire hydrant must be resubmitted for approval.

- 7.18 All Hydrants shall have a 10-year warranty, a copy of which is to be made available on demand, identified from the cast date on the upper barrel of the hydrant.
- 7.19 Hydrants shall be shipped on a trailer or truck that will allow the unloading of the hydrants from both sides of the trailer or truck with a forklift. Any hydrants delivered in an enclosed trailer or truck that does not allow access to the hydrants from both sides with a forklift will be immediately rejected and not unloaded.
- 7.20 Hydrants will be visually inspected for compliance with these specifications upon arrival at the delivery point. Hydrants that clearly do not meet these specifications upon delivery, will not be accepted and will be returned to the shipper on the same truck that delivered them.
- 7.21 If it is discovered that the hydrants accepted by the buyer do not meet these specifications, the provider of said hydrants will be asked to replace the noncompliant hydrants. No new hydrants will be ordered until the noncompliant hydrants are replaced.
- 7.22 The following fire hydrants with the necessary modifications to make them meet this specification as bid:

American Flow-Darling B-84-B M&H 129 Mueller Centurian Clow Medallion

End of Fire Hydrant Specifications

FIRE HYDRANT BID SHEET

Line #		Size	Price Each	Other
1	AFC	24" Bury	\$ 1445.58	
2	AFC	30" Bury	\$ 1445.58	
3	AFC	36" Bury	\$ 1445.58	
4	AFC	42" Bury	\$ 1481.02	
5	AFC	48" Bury	\$ 1515.99	
6	AFC	54" Bury	\$ 1551.44	
7	AFC	60" Bury	\$ 2093.58	
8	AFC	66" Bury	\$ 2129.02	
9	AFC	72" Bury	\$ 2163.99	

Please note:

There are no guaranteed quantities for fire hydrants that will be purchased under this contract. Purchases will be made by the SAPA member on an as needed basis. Purchase Order numbers are required for all purchases. All deliveries are



to be made FOD Destination, Freight Allowed. No additional charges above the bid price will be allowed. This includes but is not limited to Fuel Surcharges.

Manufacturer AFC Model B84B hydrant
 Delivery ARO 3-6 WKS Payment Terms Net 30
 Company Name Core & Main LP
 Address 4210 Halls Mill Rd
 City, State, Zip Mobile AL 36693
 Submitted By Shane Carson Title DM
 Phone 251-443-1725 Please Print Email Address Kristen.Tarazono@
Coreandmain.com

The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to all of the terms and conditions of this agreement.

Signature [Signature] Date 12/15/20

7.0 BID PRICE SHEET

	Manufacturer:	Description:	Price:	Measure:
434		4" SDR26 Sewer Pipe	NO BID	Per Ft
435		6" SDR26 Sewer Pipe	NO BID	Per Ft
436		8" SDR26 Sewer Pipe	NO BID	Per Ft
437		10" SDR26 Sewer Pipe	NO BID	Per Ft
438		12" SDR26 Sewer Pipe	NO BID	Per Ft
439		15" SDR26 Sewer Pipe	NO BID	Per Ft
440		18" SDR26 Sewer Pipe	NO BID	Per Ft
441	Multi-Fittings	4" SDR26 11-1/2 degree PVC Elbow	\$ 29.05	Ea.
442	Multi-Fittings	6" SDR26 11-1/2 degree PVC Elbow	\$ 70.25	Ea.
443	Multi-Fittings	8" SDR26 11-1/2 degree PVC Elbow	\$ 19.80	Ea.
444	Multi-Fittings	4" SDR26 22-1/2 degree PVC Elbow	\$ 37.29	Ea.
445	Multi-Fittings	6" SDR26 22-1/2 degree PVC Elbow	\$ 66.27	Ea.
446	Multi-Fittings	8" SDR26 22-1/2 degree PVC Elbow	\$ 14.93	Ea.
447	Multi-Fittings	4" SDR26 45 degree Elbow GxG 4x4	\$ 27.35	Ea.
448	Multi-Fittings	6" SDR26 45 degree Elbow GxG 6x6	\$ 67.98	Ea.
449	Multi-Fittings	8" SDR26 45 degree Elbow GxG 8x8	\$ 133.95	Ea.
450	Multi-Fittings	10" SDR26 45 degree PVC Elbow GxG 10x10	\$ 26.48	Ea.
451	Multi-Fittings	4" SDR26 90 degree PVC Elbow GxG 4x4	\$ 29.05	Ea.
452	Multi-Fittings	6" SDR26 90 degree PVC Elbow GxG 6x6	\$ 131.98	Ea.
453	Multi-Fittings	8" SDR26 90 degree PVC Elbow GxG 8x8		

	Manufacturer:	Description:	Price:	Measure:
454	Multi-Fittings	10" SDR26 90 degree PVC Elbow GxG 10x10	\$ 210.02	Ea.
455	Multi-Fittings	12" SDR26 90 degree PVC Elbow GxG 12x12	\$ 277.49	Ea.
456	Multi-Fittings	4" SDR26 90 degree Tee Wye 4"x4"x4"	\$ 40.85	Ea.
457	Multi-Fittings	6" SDR26 90 degree Tee Wye 6"x6"x4"	\$ 48.02	Ea.
458	Multi-Fittings	8" SDR26 90 degree Tee Wye 8"x8"x4"	\$ 60.67	Ea.
459	Multi-Fittings	8" SDR26 90 degree Tee Wye 8"x8"x6"	\$ 69.42	Ea.
460	Multi-Fittings	8" SDR26 90 degree Tee Wye 8"x8"x8"	\$ 156.08	Ea.
461	Multi-Fittings	10"x10"x4" SDR26 PVC Tee Wye	\$ 179.23	Ea.
462	Multi-Fittings	10"x10"x6" SDR26 PVC Tee Wye	\$ 201.32	Ea.
463	Multi-Fittings	12"x12"x6" SDR26 PVC Tee Wye	\$ 243.34	Ea.
464	Multi-Fittings	**See Attached Specification**	\$ 178.60	Ea.
465	Multi-Fittings	6" SDR26 PVC Double Sweep Clean Out	\$ 178.60	Ea.
466	Multi-Fittings	4" Wye (45) SDR26 GxGxG 4"x4"x4"	\$ 33.74	Ea.
467	Multi-Fittings	6" Wye (45) SDR26 GxGxG 6"x6"x4"	\$ 44.28	Ea.
468	Multi-Fittings	6" Wye (45) SDR26 GxGxG 6"x6"x6"	\$ 61.97	Ea.
469	Multi-Fittings	8" Wye (45) SDR26 GxGxG 8"x8"x4"	\$ 61.97	Ea.
470	Multi-Fittings	8" Wye (45) SDR26 GxGxG 8"x8"x6"	\$ 71.28	Ea.
471	Multi-Fittings	8" Wye (45) SDR26 GxGxG 8"x8"x8"	\$ 124.62	Ea.
472	Multi-Fittings	10" Wye (45) SDR26 GxGxG 10"x10"x4"	\$ 156.82	Ea.
473	Multi-Fittings	10" Wye (45) SDR26 GxGxG 10"x10"x6"	\$ 159.35	Ea.
474	Multi-Fittings	10" Wye (45) SDR26 GxGxG 10"x10"x8"	\$ 246.22	Ea.
475	Multi-Fittings	10" Wye (45) SDR26 GxGxG 10"x10"x10"	\$ 297.50	Ea.
476	Multi-Fittings	12" Wye (45) SDR26 GxGxG 12"x12"x4"	\$ 214.25	Ea.
477	Multi-Fittings	12" Wye (45) SDR26 GxGxG 12"x12"x6"	\$ 217.04	Ea.
478	Multi-Fittings	12" Wye (45) SDR26 GxGxG 12"x12"x8"	\$ 322.69	Ea.
479	Multi-Fittings	4" PVC Sewer Clean Out Adapter	\$ 3.83	Ea.
480	Multi-Fittings	6" PVC Sewer Clean Out Adapter SDR35	\$ 17.58	Ea.
481	Multi-Fittings	4" PVC Sewer Clean Out Plug	\$ 5.23	Ea.
482	Multi-Fittings	6" PVC Sewer Clean Out Plug SDR35	\$ 13.43	Ea.
483		4" C-900 DR18 PC 150 PVC Pipe	NO BID	Per Ft.
484		6" C-900 DR18 PC 150 PVE Pipe	NO BID	Per Ft.
485		8" C-900 DR18 PC 150 PVC Pipe	NO BID	Per Ft.
486		10" C-900 DR18 PC 150 PVC Pipe	NO BID	Per Ft.
487		12" C-900 DR18 PC 150 PVC Pipe	NO BID	Per Ft.
488		¾" PVC Sch 80 Male Adapter	NO BID	Ea.
489		1" PVC Sch 80 Male Adapter	NO BID	Ea.
490		1-1/2" PVC Sch 80 Male Adapter	NO BID	Ea.
491		2" PVC Sch 80 Male Adapter	NO BID	Ea.
492		2-1/2" PVC Sch 80 Male Adapter	NO BID	Ea.
493		3" PVC Sch 80 Male Adapter	NO BID	Ea.
494		4" PVC Sch 80 Male Adapter	NO BID	Ea.
495		¾" PVC Sch 80 Female Adapter	NO BID	Ea.
496		1" PVC Sch 80 Female Adapter	NO BID	Ea.
497		1-1/2" PVC Sch 80 Female Adapter	NO BID	Ea.

No.	Manufacturer:	Description:	Price:	Measure:
498		2" PVC Sch 80 Female Adapter	NO BID	Ea.
499		2-1/2" PVC Sch 80 Female Adapter	NO BID	Ea.
500		3" PVC Sch 80 Female Adapter	NO BID	Ea.
501		4" PVC Sch 80 Female Adapter	NO BID	Ea.
502		3/4" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
503		1" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
504		1-1/2" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
505		2" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
506		2-1/2" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
507		3" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
508		4" PVC Sch 80 22-1/2 Bend	NO BID	Ea.
509		3/4" PVC Sch 80 90 deg Elbow	NO BID	Ea.
510		1" PVC Sch 80 90 deg Elbow	NO BID	Ea.
511		2-1/2" PVC Sch 80 90 deg Elbow	NO BID	Ea.
512		3" PVC Sch 80 90 deg Elbow	NO BID	Ea.
513		4" PVC Sch 80 90-deg Elbow	NO BID	Ea.
514		3/4" PVC Sch 80 Sleeve	NO BID	Ea.
515		1" PVC Sch 80 Sleeve	NO BID	Ea.
516		1-1/2" PVC Sch 80 Sleeve	NO BID	Ea.
517		2" PVC Sch 80 Sleeve	NO BID	Ea.
518		2-1/2" PVC Sch 80 Sleeve	NO BID	Ea.
519		3" PVC Sch 80 Sleeve	NO BID	Ea.
520		4" PVC Sch 80 Sleeve	NO BID	Ea.
521		3/4" PVC Sch 80 45 bend	NO BID	Ea..
522		1" PVC Sch 80 45 bend	NO BID	Ea.
523		1-1/2" PVC Sch 80 45 deg bend	NO BID	Ea.
524		2" PVC Sch 80 45-deg Bend	NO BID	Ea.
525		2-1/2" PVC Sch 80 45-deg Bend	NO BID	Ea.
526		3" PVC Sch 80 45-deg Bend	NO BID	Ea.
527		4" PVC Sch 80 45-deg Bend	NO BID	Ea.
528		3/4" PVC Sch 80 SW Cap	NO BID	Ea..
529		1" PVC Sch 80 SW Cap	NO BID	Ea.
530		1-1/2" PVC Sch 80 SW Cap	NO BID	Ea.
531		2" PVC Sch 80 SW Cap	NO BID	Ea.
532		2-1/2" PVC Sch 80 SW Cap	NO BID	Ea.
533		3" PVC Sch 80 SW Cap	NO BID	Ea.
534		4" PVC Sch 80 SW Cap	NO BID	Ea.
535		3/4" PVC Sch 80 Tee	NO BID	Ea.
536		1" PVC Sch 80 Tee	NO BID	Ea.
537		1-1/2" PVC Sch 80 Tee	NO BID	Ea.
538		2" PVC Sch 80 Tee	NO BID	Ea.
539		2-1/2" PVC Sch 80 Tee	NO BID	Ea.
540		3" PVC Sch 80 Tee	NO BID	Ea.
541		4" PVC Sch 80 Tee	NO BID	Ea.
542		1/2" PVC Sch 80 Ball Valve	NO BID	Ea.

No.	Manufacturer:	Description:	Price:	Measure:
543		¾" PVC Sch 80 Ball Valve	NO BID	Ea.
544		1" PVC Sch 80 Ball Valve	NO BID	Ea.
545		1-1/2" PVC Sch 80 Ball Valve	NO BID	Ea.
546		2" PVC Sch 80 Ball Valve	NO BID	Ea.
547		3" PVC Sch 80 Ball Valve	NO BID	Ea.
548		1" x ¾" PVC Sch 80 Bushing	NO BID	Ea.
549		1-1/2" x ¾" PVC Sch 80 Bushing	NO BID	Ea.
550		1-1/2" x 1" PVC Sch 80 Bushing	NO BID	Ea.
551		2" x 1" PVC Sch 80 Bushing	NO BID	Ea.
552		2-1/2" x 1" PVC Sch 80 Bushing	NO BID	Ea.
553		2" x 1-1/2" PVC Sch 80 Bushing	NO BID	Ea.
554		1-1/2" x 1-1/2" PVC Sch 80 Bushing	NO BID	Ea.
555		2-1/2" x 2" PVC Sch 80 Bushing	NO BID	Ea.
556		3" x 1" PVC Sch 80 Bushing	NO BID	Ea.
557		3" x 2" PVC Sch 80 Bushing	NO BID	Ea.
558		3" x 2-1/2" PVC Sch 80 Bushing	NO BID	Ea.
559		4" x 2" PVC Sch 80 Bushing	NO BID	Ea.
560		4" x 3" PVC Sch 80 Bushing	NO BID	Ea.
561		8" HDPE	NO BID	per ft.
562		10" HDPE	NO BID	per ft.
563		12" HDPE	NO BID	per ft.
564		15" HDPE	NO BID	per ft.
565		18" HDPE	NO BID	per ft.
566		24" HDPE	NO BID	per ft.
567		30" HDPE	NO BID	per ft.
568		36" HDPE	NO BID	per ft.
569		42" HDPE	NO BID	per ft.
570		48" HDPE	NO BID	per ft.
571		60" HDPE	NO BID	per ft.
572		12" HPPP	NO BID	per ft.
573		15" HPPP	NO BID	per ft.
574		18" HPPP	NO BID	per ft.
575		24" HPPP	NO BID	per ft.
576		30" HPPP	NO BID	per ft.
577		36" HPPP	NO BID	per ft.
578		42" HPPP	NO BID	per ft.
579		48" HPPP	NO BID	per ft.
580		60" HPPP	NO BID	per ft.
581		Geotech Filter Cloth, Heavyweight, 16' x 300' / Roll	NO BID	Roll
582		Straw-Coconut Erosion Control Standard Blanket, 8'x113'/Roll	NO BID	Roll
583		Anchor Staples, 11 gauge, 500 per box	NO BID	Box



8.0 PRICE & DELIVERY

8.1 Prices shall be firm, net, delivered prices, F.O.B. destination of SAPA Member.

8.2 QUANTITIES: The SAPA Member does not guarantee that they will procure any set quantities.

SAPA or its members do not guarantee that any set quantity will be purchased.

Bid Form must be filled in completely.

- All pages of this Bid Response Form, and additional requested pages, if any, must be returned.
- Any attachments hereto are made and become a part of this inquiry and must be signed by bidder.

NOTE: Awarded vendor must hold bid pricing for a minimum of 90-days.

Receipt of the following Addenda (if issued) to these documents is hereby acknowledged by the undersigned (*bidder to complete below*):

ADDEMDUM NO: 1	ADDENDUM NO: 2	ADDENDUM NO: 3	ADDENDUM NO: 4
DATE ISSUED: 10/15	DATE ISSUED: 10/15	DATE ISSUED: 10/15	DATE ISSUED: 10/15

Each bid must give the full business address of the bidder and must be signed by he/she with their usual signature. Bids by partnerships must furnish the full names of all



partners and must be signed with the partnership name by one of the members of the partnership, or by an authorized representative, followed by the signature and designation of the person signing. Bids by corporations must be signed by the legal name of the corporation followed by the name of the State of Incorporation and by the signature designation of the president, secretary, or other person authorized to bind it in the matter. The name of each person shall also be typed or printed below the signature. A bid by a person who affixes to this signature the word "president", "secretary", "agent", or other designation without disclosing his/her principal, may be held to be the bid of the individual signing.

The undersigned agrees to furnish the goods/services as requested by you for SAPA in your invitation to bid, and certifies that they will meet or exceed the specifications called for. The undersigned has read all information pertaining to this bid and has resolved all questions. It is also understood and agreed that all prices quoted are F.O.B. described in the bid documents and specifications.

THIS MUST BE NOTORIZED
(See next page)

Bid Number: 2020-07 "PVC PIPE, PVC FITTINGS & BALL VALVES"

Notary for Individual or Corporation

STATE OF Mississippi }

COUNTY OF Harrison }

I, the undersigned authority in and for said State and County, hereby certify that _____ as Shane Carson respectively, of Core and Main whose name is signed to the foregoing document and who is known to me, acknowledged before me on this day, that, being informed of the contents of the document they executed the same voluntarily on the day the same bears date.

Given under my hand and Notary Seal on this 15 day of October, 2020.



NOTARY PUBLIC Kristen Tarazano

MY COMMISSION EXPIRES: 7 / 1 / 22



9.0 INSURANCE

9.1 INSURANCE REQUIREMENTS

Awarded Contractor, at its sole expense, shall obtain and maintain in full force the following Insurance to protect the Contractor and SAPA and its members at limits and coverages specified herein.

All insurance will be provided by insurers by admitted carriers in the State of Alabama, shall have a minimum A.M. Best rating of A-VII and must be acceptable to SAPA. Self-insured plans and/or group funds not having an A.M. Best rating must be submitted to SAPA for prior approval.

9.2 IF PRODUCT IS DELIVERED, NO WORK IS TO BE PERFORMED UNTIL PROOF OF COMPLIANCE WITH THE INSURANCE REQUIREMENTS HAS BEEN RECEIVED BY SAPA.

9.3 Worker's Compensation and Employer's Liability

Part One: Statutory Benefits as required by the State of Alabama
Part Two: Employer's Liability: \$100,000; each accident: \$100,000; each employee: \$500,000 Policy Limit

9.4 Commercial General Liability

Coverage on an Occurrence from with a combined single limit of (Bodily Injury and Property)

Damage combined as follows:

Each occurrence: \$1,000,000

Personal and Advertising Injury: \$1,000,000

Products/Completed Operation Aggregate: \$2,000,000

General Aggregate: \$2,000,000

Coverage to include:

Premises and operations

Personal injury and Advertising Injury

Products/completed operations

Independent Contractors

Blanket Contractual Liability



Explosion, Collapse and Underground hazards

Broad Form Property Damage

Railroad Protective Liability Insurance if work involves construction, demolition, or maintenance operations on or within 50-feet of a railroad.

9.5 **Automobile Liability**

Covering all owned, non-owned and hired vehicles with a limit of no less than \$1,000,000 combined single limit of Bodily injury and property damage per occurrence.

9.6 **Certificates of Insurance**

A Certificate of Insurance evidencing the above minimum requirements must be provided to and accepted by the City PRIOR to commencement of any work on the contract. Each policy shall be endorsed to provide ten (10) days written notice of cancellation to SAPA and its member using contract.

10.00 **Alabama Immigration Act Contract Requirements**

10.1 **Background**

The Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No 2011-535, as Amended by Act No 2012-491, Code of Alabama (1975) Section 31-13-1 through Section 31-13-30 (also known as and hereinafter referred to as "the Alabama Immigration Act") is applicable to contracts with SAPA. All business entities entering into contracts with SAPA or its members will comply with the Alabama Immigration Act.

10.1.2 Definitions

ALIEN. Any person who is not a citizen or national of the United States, as described in 8 U.S.C. § 1101, et seq., and any amendments thereto.

10.1.3 BUSINESS ENTITY

Any person or group of persons employing one or more persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood, whether for profit or not for profit. Business entity shall include but not be limited to the following:

10.1.4 Self-employed individuals, business entities filling articles of incorporation, partnerships, limited partnerships, limited liability companies, foreign



corporations, foreign limited partnerships, foreign liability companies authorized to transact business in this state, business trusts, and any business entity that registers with the Secretary of State.

10.1.5 Any business entity that possesses a business license, permit, certificate, approval, registration, charter, or similar form of authorization issued by the state, any business entity that is exempt by law from obtaining such a business license, and any business entity that is operating unlawfully without a business license.

10.1.6 CONTRACTOR

A person, employer, or business entity that enters into an agreement to perform any service or work or to provide a certain product in exchange for valuable consideration. This definition shall include, but not be limited to, a general contractor, subcontractor, independent contractor, contract employee, project manager, or a recruiting or staffing entity.

10.1.7 EMPLOYEE

Any person directed, allowed, or permitted to perform labor or service of any kind by an employer. The employees of an independent contractor working for a business entity shall not be regarded as the employees of the business entity, for the purposes of this chapter. This term does not include any inmate in the legal custody of the state, a county, or a municipality.

10.1.8 EMPLOYER

Any person, firm, corporation, partnership, joint stock association, agent, manager, representative, foreman, or other person having control or custody of any employment, place of employment, or of any employee, including any person or entity employing any person for hire within the State of Alabama, including a public employer. This term shall not include the occupant of a household contracting with another person to perform casual domestic labor within the household.

10.1.9 E-VERIFY

The electronic verification of federal employment authorization program of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, P.L. 104-208, Division c, Section 403 (a); 8 U.S.C. §1324(a), and operated by the *United States Department of Homeland Security*, or its successor program.

10.1.10 STATE-FUNDED ENTITY

Any governmental entity of the state or a political subdivision thereof or any other entity that receives any monies from the state or a political subdivision thereof; provided, however, an entity that merely provides a service or a product to any governmental entity of the state or a political subdivision thereof, and



receives compensation for the same, shall not be considered a state-funded entity.

11.1.11 SUBCONTRACTOR

A person, business entity, or employer who is awarded a portion of an existing contract by a contractor, regardless of its tier.

10.1.12 UNAUTHORIZED ALIEN

An alien who is not authorized to work in the United States as defined in 8 U.S.C. § 1324a (h) (3).

11.0 Mandatory Clause

All contracts or agreements, to which the state, a political subdivision, or state-funded entities are a party, shall include the following clause:

"By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom."

For purposes of this section, "contract" shall mean a contract awarded by the state, any political sub-division thereof, or any state-funded entity that was competitively bid or would, if entered into by the state or an agency thereof, be required to be submitted to the Contract Review Permanent Legislative Oversight Committee.

11.1 Contracts Involving Business Entity, or Employer

As a condition for the award of any contract, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees, the business entity or employer shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.



As a condition for the award of any contract, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees within the state of Alabama, the business entity or employer shall provide documentation establishing that the business entity or employer is enrolled in the E-Verify program. During the performance of the contract, the business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations.

11.2 Contracts Involving Subcontracting

Any subcontractor on a project paid for by contract, grant, or incentive by the state, any political subdivision thereof, or any state-funded entity shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama and shall also enroll in the E-Verify program prior to performing any work on the project. Furthermore, during the performance of the contract, the subcontractor shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. This subsection shall only apply to subcontractors performing work on a project subject to the provisions of this section and not to collateral persons or business entities hired by the subcontractor.

11.3 Proof of E-Verify documentation will be in the form of a copy of the signed Memorandum of Understanding (MOU) generated upon completion of the E-Verify program.



INVITATION TO BID SUMMARY
Bid Number SAPA 2020-07 - "WATER & SEWER INVENTORY OF SAPA UTILITY MEMBERS"

Issue Date: _____

Deadline for Questions Date: Monday, Sept. 21, 2020, 4:00 pm
 SAPA Web Site: www.sarpc.org
Choose SAPA BIDS

Copies of Bid: One (1) original, One (1) copy

Contact: Wayne Smith
 SAPA Coordinator
 Email: waynesmith@sarpc.org

END OF INVITATION SUMMARY

BIDDER INFORMATION

Bid No. SAPA 2020-07 - PVC PIPE, FITTINGS, FIRE HYDRANTS, etc.

NOTE: This Section must be printed, completed and turned in with your bid response

Business Organization

Name of Bidder (exactly as it appears on W-9): Core and Man LP

Doing-Business-As Name of Bidder: _____

Principal Office Address: 1830 Craig Park Court
St Louis MO 63146

Telephone Number: 251-443-1725 Fax Number: 251-661-7768

Email address: Kristen-tarrazano@coreandman.com



Form of Business Entity [mark one ("X")]	
Corporation	<input type="checkbox"/>
Partnership	<input checked="" type="checkbox"/>
Individual	<input type="checkbox"/>
Joint Venture	<input type="checkbox"/>
Other (describe):	_____

Corporation Statement

If a corporation, answer the following:

Date of incorporation: _____

Location of incorporation: _____

The Corporation is held: Publicly
Privately

Partnership Statement

If a partnership, answer the following:

Date of organization: Nov. 22 2004

Location of organization: Florida

The partnership is: General
Limited

Joint Venture Statement

If a Joint Venture, answer the following:

Date of organization: _____

Location of organization: _____

JV Agreement recorded? Yes
No



Contact Name Kirsten Tarazano E-mail kirsten.tarazano@
coheadman.com
Cell Phone _____ Office Phone 251-443-1725

END OF BIDDER INFORMATION SECTION



This contract will be available to all current SAPA members and any new members upon approval by SAPA Chairman.

Members:

Rachel Keith	City of Foley
Rustee Karolyi	City of Robertsdale
Tammy Smith	City of Bay Minette
Kathryn Saucier	South Alabama Regional Planning Comm.
Susan Holland	Mobile County Commission
Vicki Miller	City of Satsuma
Suzanne Henson	City of Daphne
Wanda Gautney (<i>SAPA Vice-Chair.</i>)	Baldwin County Commission
Marinda Turner	Daphne Utilities
Renee Eberly (<i>SAPA Chair.</i>)	City of Orange Beach
Temple Smith	City of Gulf Shores
Lisa Russell	Mobile Area Water & Sewer System
Dee Dee Brandt	City of Fairhope
Thomas Waters	Baldwin County Board of Education
Tracy Rogers	North Baldwin Utilities
Paige Walding	City of Saraland
Tiffany Lynn	Town of Summerdale
Chad Green	Gulf Shores City Board of Education
Jeremy Asarisi	Riviera Utilities
Jason Franklin	City of Semmes

South Alabama Purchasing Association

ADDENDUM - 1

REFERENCE: SAPA RFB 2020-07

BID: "Water & Sewer Inventory of SAPA Utility Members"

COMPETITIVE SEALED PROPOSALS WILL BE RECEIVED NO LATER THAN
Thursday, September 24, 2020 at 11:00 am LOCAL TIME

Wayne Smith,
SAPA Coordinator

Please Note:
This Addendum must be returned along with the bid documents.

ADDENDUM – I

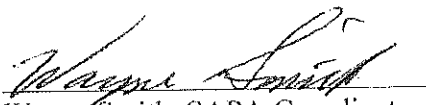
Date Issued: September 11, 2020

THE FOLLOWING INFORMATION IS FOR CLARIFICATION OF ITEM'S NOTED ON THIS PAGE:

Section 6.7 and 6.8, other manufacturers will be considered if bid. The particular item that is accepted by SAPA members must be in the best interest of SAPA.

Various SAPA utility members use different configurations of Mission Couplings, ARC style couplings along with other various products. Some members only use Standard Rubber Boot Style. Because of the various different types of configurations of products used, please quote on the items which are used and acceptable by the majority of your customers. It is important that various configurations of products shown below are included within the bid. If there is not room to list additional items in the space provided on the price sheet, please list any additional items on a separate page and attach that page behind the numbered item below.

- Item # 342 – FIP to FIP backflow
- Item #342 – 349 & 349 – schedule 40 PVC
- Item #348 – Brass compression nut only
- Item #351 & 353 – Brass Compression Nut only
- Item #359 – 371 – Only Domestic
- Item #386 – 425 – Only Domestic
- Item # 361 – 580 – Various Configurations


Wayne Smith, SAPA Coordinator

Associated with:
South Alabama Regional
Planning Commission

Email: waynesmith@sarpc.org

Website: www.sarpc.org

South Alabama Purchasing Association

ADDENDUM - 2

REFERENCE: SAPA RFB 2020-07

BID: “Water & Sewer Inventory of SAPA Utility Members”

Wayne Smith,
SAPA Coordinator

Please Note:

This Addendum must be returned along with the bid documents.

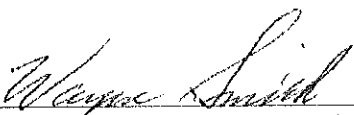
ADDENDUM – 2

Date Issued: September 14, 2020

BID OPENING DATE CHANGE

Because members of SAPA may be involved with repairs possibly caused by Hurricane Sally, the bid opening has been extended. The new bid opening date will be Thursday, October 15, 2020 at 10:00 am at the same location which is:

Daphne Utilities
8301 Well Road
Attention: Marinda Turner
Daphne, Alabama 36526


Wayne Smith, SAPA Coordinator
Associated with:
South Alabama Regional
Planning Commission
Email: waynesmith@sarpe.org
Website: www.sarpe.org

**South Alabama
Purchasing Association**

ADDENDUM - 3

REFERENCE: SAPA RFB 2020-07

BID: "Water & Sewer Inventory of SAPA Utility Members"

Wayne Smith,
SAPA Coordinator

Please Note:

This Addendum must be returned along with the bid documents.

ADDENDUM – 3

Date Issued: September 30, 2020

CHANGES IN BID

Item 342 Clarification: To be 1" back flow and connections to be a meter swivel x FIP Thread

Item 242 Clarification: Bid Sch40 PVC and Brass Style Fitting. Be sure to include both types and show price of both on price sheet.

Item 348 Clarification: To include a Brass Compression Nut.

Item 351 & 353 Clarification: These are the same.

Items 359 – 371 Clarification: To be only domestic.

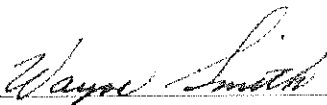
Items 561 – 580: Request for Clarification addressing the model or resin specification for product is not currently available. Please specify model and/or resin specification you have available for bid or item used more frequently and/or sold by your company.

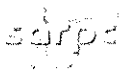
If you are unable to provide a price for any item on the price sheet, please respond with a NO BID (N/B).

Item 464 Clarification: (See Image on attached sheet)

Please Note: BID AWARD

Bid will be awarded to the bidder that reflects the best overall pricing meeting specifications.


Wayne Smith, SAPA Coordinator
Associated with:
South Alabama Regional
Planning Commission



Email: waynesmith@sarpc.org

Website: www.sarpc.org



**South Alabama
Purchasing Association**

ADDENDUM - 4

REFERENCE: SAPA RFB 2020-07

BID: “Water & Sewer Inventory of SAPA Utility Members”

**Wayne Smith,
SAPA Coordinator**

Please Note:
This Addendum must be returned along with the bid documents.

ADDENDUM – 4

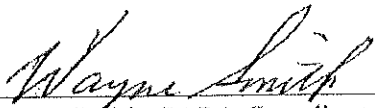
Date Issued: October 1, 2020

CHANGES IN BID

Remove page 16 which states...

“PRICE LESS (-) _____ % DISCOUNT ON ALL BID ITEMS”

Please insert the attached page.



Wayne Smith, SAPA Coordinator

*Associated with:
South Alabama Regional
Planning Commission*



Email: waynesmith@sarpc.org

Website: www.sarpc.org

2020

Fittings shall be from one of the following companies only: US Pipe, Tyler Union, Sigma Corporation, or SIP Industries.

Fittings are to include gaskets and bolts only. NO GLANDS

To be removed →

**SAPA 2020-07 MJ DI PIPE AND FILLTING
SECTION 1 – WATER PIPE BID SHEET -
PRICE LESS (-) _____ % DISCOUNT ON ALL BID ITEMS**

Item #	Mfgr/Model	Description	Category	Diameter	Class	Price
1		Mechanical Joint Ductile Iron Pipe	A-Water	3"	52	\$
2		Mechanical Joint Ductile Iron Pipe	A-Water	4"	350	
3		Mechanical Joint Ductile Iron Pipe	A-Water	6"	350	
4		Mechanical Joint Ductile Iron Pipe	A-Water	8"	350	
5		Mechanical Joint Ductile Iron Pipe	A-Water	10"	350	
6		Mechanical Joint Ductile Iron Pipe	A-Water	12"	350	
7		Mechanical Joint Ductile Iron Pipe	A-Water	14"	250	
8		Mechanical Joint Ductile Iron Pipe	A-Water	16"	250	
9		Mechanical Joint Ductile Iron Pipe	A-Water	18"	250	
10		Mechanical Joint Ductile Iron Pipe	A-Water	20"	250	
11		Mechanical Joint Ductile Iron Pipe	A-Water	24"	250	
12		Mechanical Joint Ductile Iron Pipe	A-Water	30"	150	
13		Mechanical Joint Ductile Iron Pipe	A-Water	36"	150	
14		Mechanical Joint Ductile Iron Pipe	A-Water	48"	150	
15		Mechanical Joint Ductile Iron Pipe	A-Water	60"	150	
16		Ductile Iron Push-On Pipe	B-Water	3"	52	
17		Ductile Iron Push-On Pipe	B-Water	4"	350	
18		Ductile Iron Push-On Pipe	B-Water	5"	350	
19		Ductile Iron Push-On Pipe	B-Water	8"	350	
20		Ductile Iron Push-On Pipe	B-Water	10"	350	
21		Ductile Iron Push-On Pipe	B-Water	12"	350	
22		Ductile Iron Push-On Pipe	B-Water	14"	250	
23		Ductile Iron Push-On Pipe	B-Water	16"	250	
24		Ductile Iron Push-On Pipe	B-Water	18"	250	
25		Ductile Iron Push-On Pipe	B-Water	20"	250	
26		Ductile Iron Push-On Pipe	B-Water	24"	250	
27		Mechanical Joint Ductile Iron Pipe	D-Sewer	3"	52	
28		Mechanical Joint Ductile Iron Pipe	D-Sewer	4"	350	
29		Mechanical Joint Ductile Iron Pipe	D-Sewer	6"	350	
30		Mechanical Joint Ductile Iron Pipe	D-Sewer	8"	350	
31		Mechanical Joint Ductile Iron Pipe	D-Sewer	10"	350	
32		Mechanical Joint Ductile Iron Pipe	D-Sewer	12"	350	
33		Ductile Iron Push-On Pipe	E-Sewer	3"	52	
34		Ductile Iron Push-On Pipe	E-Sewer	4"	350	
35		Ductile Iron Push-On Pipe	E-Sewer	6"	350	

South Alabama Purchasing Association

ADDENDUM - 5

REFERENCE: SAPA RFB 2020-07

BID: “Water & Sewer Inventory of SAPA Utility Members”

Wayne Smith,
SAPA Coordinator

Please Note:

This Addendum must be returned along with the bid documents.

ADDENDUM – 5


Date Issued: October 7, 2020

CHANGES IN BID

Please note: Page 14 & 15 of section 6.7, Category “C” Specification for Ductile Iron Mechanical Joint Fittings for WATER it calls out a Sewer Pipe coating of ceramic Epoxy lining which is not NSF 61 approved and not recommended that for water service as well as most of the manufactures listed.

-Please change to-

The interior of all pipe shall be cement-mortar lined as specified in AWWA Specification C104 and the exterior shall receive an approved bituminous coating. All gaskets, bolts and lubricants shall be furnished.


Wayne Smith, SAPA Coordinator

Associated with:
South Alabama Regional
Planning Commission



Email: waynesmith@sarpc.org

Website: www.sarpc.org

Legal Information Sheet

Legal Name:	Core & Main LP
Former Names:	Core & Main LP f/k/a HD Supply Waterworks, Ltd. Name change to Core & Main LP - 08/29/17 HD Supply Waterworks, Ltd. (From 10/25/2006 – 08/28/2017) Hughes Water & Sewer, Ltd. (From 11/22/04 – 10/24/2006)
Date of Formation:	November 22, 2004
Place of Formation:	Florida
Legal Entity Type:	Limited Partnership
List of Partners:	Core & Main Intermediate GP, LLC – General Partner (Delaware LLC) Core & Main Midco, LLC – Limited Partner (Delaware LLC) <u>Address for all Partners:</u> 1830 Craig Park Court, St. Louis, MO 63146
Principal Place of Business:	1830 Craig Park Court (This is also our corporate headquarters) St. Louis, MO 63146
Officers of Core & Main LP:	Stephen O. LeClair, Chief Executive Officer Mark R. Witkowski, Vice President and Chief Financial Officer Mark G. Whittenburg, General Counsel & Secretary Laura K. Schneider, Chief Human Resources Officer Bradford A. Cowles, President, Fire Protection John R. Schaller, President, Waterworks
Contract Signing Authority:	Refer to <u>Core & Main Delegation of Authority Matrix Policy Summary</u> for signing and approvals authority. https://coreandmain.sharepoint.com/intranet/Library/Core%20&%20Main%20Policies/Legal%20Policies/DOA%20Policy%202019.pdf#search=delegation%20of%20authority
EIN:	03-0550887
DUNS #:	627564029
US DOT #:	3024102
CAGE Code:	4NHU9
NAICS Codes:	237110 – WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION* (Primary) 221310 – WATER SUPPLY AND IRRIGATION SYSTEMS 221320 – SEWAGE TREATMENT FACILITIES
Business Size:	Large
Disadvantaged Business?	No. Core & Main LP does not meet any category of disadvantaged business.
Local Business:	Varies by jurisdiction. Contact Legal for assistance.
E-Verify:	E-Verify No.: 1219073 Date of Memorandum of Understanding: 09/29/2017
Website:	www.coreandmain.com
Incorporation Sentences:	For addenda: "The Addendum to [agreement name] is attached hereto and incorporated by reference as though fully set forth herein." For bid qualifications: "The Qualification of Core & Main LP is attached hereto and incorporated by reference as though fully set forth herein."

Safety Stats:

Core & Main Waterworks Stats					
	2018	2017	HD Supply	2016	2015
Workman Comp Modifier Rate (EMR)	0.66	0.67		0.98	0.91
Employee Work Hour	6,485,184	5,960,151		5,692,825	5,355,612
Total Recordable Cases	81	75		75	64
Total Restricted Work & Job Transfer Cases	42	38		38	19
Total LT Cases	18	21		13	16
Total LT Work Days	421	712		523	544
Recordable Incident Rate (RIR)	2.41	2.52		2.63	2.39
Total Lost Day Incident Rate (TLIR)	.52	.70		0.46	0.60
Restricted Duty or Job Transfer Days	484	670		1,114	612
DART	1.85	1.98		1.79	1.31
Fatalities	0	0	0	0	

Important URLs

Ticket System:	<p>https://help.coreandmain.net/ContractsReviewForm.asp</p> <p>You can also access it through the intranet. Go to the Core & Main intranet page. Under Popular Items, click on "Apps & Tools." From the list that pops up in the center of your screen, select "Contract Review Request."</p>																		
SBA Website:	<p>https://eweb1.sba.gov/subnet/common/dsp_login.cfm</p> <p>You will be prompted to create an account with a login ID and complex password that meet the SBA's requirements. Once you do that and login to the system, you will need to complete a company profile. Click on "Functions" in the bubble at the top, and then "Subcontracting Network (Sub-Net)". Fill in information on the "Enter Company Profile" screen based on your local branch address. Be sure to use Core & Main's full legal name: Core & Main LP. Our DUNS number is 627564029. Once you create your profile, you will be permitted to post a solicitation.</p>																		
Requesting Insurance Certificates:	<p>https://coreandmain.sharepoint.com/intranet/SitePages/Certificates%20of%20insurance%20and%20Surety%20Bonds.aspx</p> <p>Follow the link above to download a request form that may be utilized to request a Certificate of Insurance identifying your customer as a certificate holder. E-mail the completed request form and the insurance requirements from your contract or bid to Certificates@willis.com.</p> <p>https://coreandmain.sharepoint.com/intranet/Library/Legal/Risk%20Management%20and%20Insurance/Memorandum%20of%20Insurance.PDF</p> <p>Follow the link above to request a copy of our current Memorandum of Insurance:</p>																		
Requesting:	<p>https://coreandmain.sharepoint.com/intranet/SitePages/Surety%20Bonds.aspx</p> <p>Under "Surety Bonds & Quotes on Pricing," there is a download link for the request form for a surety bond. Use this request form for a bid bond or for payment, performance and/or maintenance bonds. Once the bond request form is completed, email the request form, the customer's bond form (if applicable), and the customer's bond requirements to bondrequest@aon.com</p>																		
Calculating Bond Premiums:	<p>https://coreandmain.sharepoint.com/intranet/SitePages/Surety%20Bonds.aspx</p> <p>Approximately \$4.00/\$1,000 (for bonds less than one year in duration) up to \$6.00/\$1,000 for bonds with a term of 2 years or less. Any bonds over \$5 Million or longer than 2 years, please request a quote from Aon.</p>																		
Legal Contacts (Email for all contacts can be found in Outlook Global Directory)	<table border="0"> <tr> <td style="text-align: center;">CONTACT:</td> <td style="text-align: center;">PHONE:</td> </tr> <tr> <td>Mark Whittenburg, General Counsel</td> <td>314-372-0260</td> </tr> <tr> <td>Jackie Burkhardt, Director, Legal</td> <td>314-451-0081</td> </tr> <tr> <td>Cheryl Afshari, Senior Manager, Legal</td> <td>407-541-6024</td> </tr> <tr> <td>Chris Michener, Senior Manager, Legal</td> <td>314-995-9145</td> </tr> <tr> <td>Josh Allison, Senior Manager, Legal</td> <td>314-451-0129</td> </tr> <tr> <td>Susan McLean, Lead Contract Specialist</td> <td>314-995-9139</td> </tr> <tr> <td>Caryn Haddix, Senior Manager, Legal</td> <td>314-372-0919</td> </tr> <tr> <td>Paul Abate, DBE Compliance</td> <td>215-805-0633</td> </tr> </table>	CONTACT:	PHONE:	Mark Whittenburg, General Counsel	314-372-0260	Jackie Burkhardt, Director, Legal	314-451-0081	Cheryl Afshari, Senior Manager, Legal	407-541-6024	Chris Michener, Senior Manager, Legal	314-995-9145	Josh Allison, Senior Manager, Legal	314-451-0129	Susan McLean, Lead Contract Specialist	314-995-9139	Caryn Haddix, Senior Manager, Legal	314-372-0919	Paul Abate, DBE Compliance	215-805-0633
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