



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

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 Beauregard 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 or 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 Permax-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 Permax-CTF (tinted green) or Tenmec 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 -
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	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
36		Ductile Iron Push-On Pipe	E-Sewer	8"	350	\$
37		Ductile Iron Push-On Pipe	E-Sewer	10"	350	
38		Ductile Iron Push-On Pipe	E-Sewer	12"	350	
37		Mechanical Joint Ductile Iron Pipe	A-Water	10"	350	\$
38		Mechanical Joint Ductile Iron Pipe	A-Water	12"	350	
39		Mechanical Joint Ductile Iron Pipe	A-Water	14"	250	
40		Mechanical Joint Ductile Iron Pipe	A-Water	16"	250	
41		Mechanical Joint Ductile Iron Pipe	A-Water	18"	250	
42		Mechanical Joint Ductile Iron Pipe	A-Water	20"	250	
43		Mechanical Joint Ductile Iron Pipe	A-Water	24"	250	
44		Mechanical Joint Ductile Iron Pipe	A-Water	30"	150	
45		Mechanical Joint Ductile Iron Pipe	A-Water	36"	150	
46		Mechanical Joint Ductile Iron Pipe	A-Water	48"	150	
47		Mechanical Joint Ductile Iron Pipe	A-Water	60"	150	
48		Ductile Iron Push-On Pipe	B-Water	3"	52	
49		Ductile Iron Push-On Pipe	B-Water	4"	350	
50		Ductile Iron Push-On Pipe	B-Water	5"	350	
51		Ductile Iron Push-On Pipe	B-Water	8"	350	
52		Ductile Iron Push-On Pipe	B-Water	10"	350	
53		Ductile Iron Push-On Pipe	B-Water	12"	350	
54		Ductile Iron Push-On Pipe	B-Water	14"	250	
55		Ductile Iron Push-On Pipe	B-Water	16"	250	
56		Ductile Iron Push-On Pipe	B-Water	18"	250	
57		Ductile Iron Push-On Pipe	B-Water	20"	250	
58		Ductile Iron Push-On Pipe	B-Water	24'	250	
59		Mechanical Joint Ductile Iron Pipe	D-Sewer	3"	52	
60		Mechanical Joint Ductile Iron Pipe	D-Sewer	4"	350	
61		Mechanical Joint Ductile Iron Pipe	D-Sewer	6"	350	
62		Mechanical Joint Ductile Iron Pipe	D-Sewer	8"	350	
63		Mechanical Joint Ductile Iron Pipe	D-Sewer	10"	350	
64		Mechanical Joint Ductile Iron Pipe	D-Sewer	12"	350	
65		Ductile Iron Push-On Pipe	E-Sewer	3"	52	
66		Ductile Iron Push-On Pipe	E-Sewer	4"	350	
67		Ductile Iron Push-On Pipe	E-Sewer	6"	350	
68		Ductile Iron Push-On Pipe	E-Sewer	8"	350	
69		Ductile Iron Push-On Pipe	E-Sewer	10"	350	
70		Ductile Iron Push-On Pipe	E-Sewer	12"	350	
71		MJ 11-1/4 Degree	C-Water	2"	350	
72		MJ 11-1/4 Degree	C-Water	3"	350	
73		MJ 11-1/4 Degree	C-Water	4"	350	
74		MJ 11-1/4 Degree	C-Water	6"	350	
75		MJ 11-1/4 Degree	C-Water	8"	350	
76		MJ 11-1/4 Degree	C-Water	10"	250	
77		MJ 11-1/4 Degree	C-Water	12"	350	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
78		MJ 11-1/4 Degree	C-Water	16"	350	\$
79		MJ 11-1/4 Degree	C-Water	20"	350	
80		MJ 11-1/4 Degree	C-Water	24"	350	
81		MJ 22-1/2 Degree	C-Water	2"	350	
82		MJ 22-1/2 Degree	C-Water	3"	350	
83		MJ 22-1/2 Degree	C-Water	4"	350	
84		MJ 22-1/2 Degree	C-Water	6"	350	
85		MJ 22-1/2 Degree	C-Water	8"	350	
86		MJ 22-1/2 Degree	C-Water	10"	350	
87		MJ 22-1/2 Degree	C-Water	12"	350	
88		MJ 22-1/2 Degree	C-Water	16"	350	
89		MJ 22-1/2 Degree	C-Water	20"	350	
90		MJ 22-1/2 Degree	C-Water	24"	350	
91		MJ Offset (MJ x PE)	C-Water	4" x 12"	350	
92		MJ Offset (MJ x PE)	C-Water	4" x 18"	350	
93		MJ Offset (MJ x PE)	C-Water	4" x 24"	350	
94		MJ Offset (MJ x PE)	C-Water	6" x 12"	350	
95		MJ Offset (MJ x PE)	C-Water	6" x 18"	350	
96		MJ Offset (MJ x PE)	C-Water	6" x 24"	350	
97		MJ Offset (MJ x PE)	C-Water	8" x 12"	350	
98		MJ Offset (MJ x PE)	C-Water	8" x 18"	350	
99		MJ Offset (MJ x PE)	C-Water	8" x 24'	350	
100		MJ Offset (MJ x PE)	C-Water	10" X 12"	350	
101		MJ Offset (MJ x PE)	C-Water	10" X 18"	350	
102		MJ Offset (MJ x PE)	C-Water	10" X 24"	350	
103		MJ Offset (MJ x PE)	C-Water	12" X 12"	350	
104		MJ Offset (MJ x PE)	C-Water	12" X 18"	350	
105		MJ Offset (MJ x PE)	C-Water	12" x 24"	350	
106		MJ Bend 45 Degree	C-Water	2"	350	
107		MJ Bend 45 Degree	C-Water	3"	350	
108		MJ Bend 45 Degree	C-Water	4"	350	
109		MJ Bend 45 Degree	C-Water	6"	350	
110		MJ Bend 45 Degree	C-Water	8"	350	
111		MJ Bend 45 Degree	C-Water	10"	350	
112		MJ Bend 45 Degree	C-Water	12"	350	
113		MJ Bend 45 Degree	C-Water	18"	350	
114		MJ Bend 45 Degree	C-Water	20"	350	
115		MJ Bend 45 Degree	C-Water	24"	350	
116		MJ Bend 45 Degree	C-Water	36"	350	
117		MJ Sleeve	C-Water	2"	350	
118		MJ Sleeve	C-Water	3"	350	
119		MJ Sleeve	C-Water	4"	350	
120		MJ Sleeve	C-Water	6"	350	
121		MJ Sleeve	C-Water	8"	350	
122		MJ Sleeve	C-Water	10"	350	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
123		MJ Sleeve	C-Water	12"	350	\$
124		MJ Sleeve	C-Water	14"	350	
125		MJ Sleeve	C-Water	16"	350	
126		MJ Sleeve	C-Water	18"	350	
127		MJ Sleeve	C-Water	20"	350	
128		MJ Sleeve	C-Water	24"	350	
129		MJ Sleeve	C-Water	30"	350	
130		MJ Sleeve	C-Water	36"	350	
131		MJ Bend 90 Degree	C-Water	2"	350	
132		MJ Bend 90 Degree	C-Water	3"	350	
133		MJ Bend 90 Degree	C-Water	4"	350	
134		MJ Bend 90 Degree	C-Water	6"	350	
135		MJ Bend 90 Degree	C-Water	8"	350	
136		MJ Bend 90 Degree	C-Water	10"	350	
137		MJ Bend 90 Degree	C-Water	12"	350	
138		MJ Bend 90 Degree	C-Water	14"	350	
139		MJ Bend 90 Degree	C-Water	16"	350	
140		MJ Bend 90 Degree	C-Water	18"	350	
151		MJ Bend 90 Degree	C-Water	20"	350	
142		MJ Bend 90 Degree	C-Water	24"	350	
143		MJ Bend 90 Degree	C-Water	30"	350	
144		MJ Tee	C-Water	2" x 2"	350	
145		MJ Tee	C-Water	3" x 3"	350	
146		MJ Tee	C-Water	4" x 3"	350	
147		MJ Tee	C-Water	4" x 4"	350	
148		MJ Tee	C-Water	6" x 4"	350	
149		MJ Tee	C-Water	6" x 6"	350	
150		MJ Tee	C-Water	8" x 4"	350	
151		MJ Tee	C-Water	8" x 6"	350	
152		MJ Tee	C-Water	8" x 8"	350	
153		MJ Tee	C-Water	10" x 4"	350	
154		MJ Tee	C-Water	10" x 6"	350	
155		MJ Tee	C-Water	10" x 8"	350	
156		MJ Tee	C-Water	10" x 10"	350	
157		MJ Tee	C-Water	12" x 4"	350	
158		MJ Tee	C-Water	12" x 6"	350	
159		MJ Tee	C-Water	12" x 6"	350	
160		MJ Tee	C-Water	12" x 8"	350	
161		MJ Tee	C-Water	12" x 10"	350	
162		MJ Tee	C-Water	12" x 12"	350	
163		MJ Tee	C-Water	16" x 6"	350	
164		MJ Tee	C-Water	16" x 8"	350	
165		MJ Tee	C-Water	16" x 10"	350	
166		MJ Tee	C-Water	16" x 12"	350	
167		MJ Tee	C-Water	16" x 16"	350	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
168		MJ Tee	C-Water	18" x 6"	350	\$
169		MJ Tee	C-Water	20" x 6"	350	
170		MJ Tee	C-Water	20" x 12"	350	
171		MJ Tee	C-Water	20" x 16"	350	
172		MJ Tee	C-Water	20" x 20"	350	
173		MJ Tee	C-Water	24" x 12"	350	
174		MJ Tee	C-Water	24" x 16"	350	
175		MJ Tee	C-Water	24" x 20"	350	
176		MJ Tee	C-Water	24" x 24"	350	
178		MJ Cross	C-Water	4" x 4"	350	
179		MJ Cross	C-Water	6" x 4"	350	
180		MJ Cross	C-Water	6" x 6"	350	
181		MJ Cross	C-Water	8" x 6"	350	
182		MJ Cross	C-Water	8" x 8"	350	
183		MJ Cross	C-Water	10" x 6"	350	
184		MJ Cross	C-Water	10" x 8"	350	
185		MJ Cross	C-Water	10" x 10"	350	
186		MJ Cross	C-Water	12" x 6"	350	
187		MJ Cross	C-Water	12" x 8"	350	
188		MJ Cross	C-Water	12" x 10"	350	
189		MJ Cross	C-Water	12" x 12"	350	
190		MJ Cross	C-Water	16" x 10"	350	
191		MJ Cross	C-Water	16" x 12"	350	
192		MJ Cross	C-Water	16" x 14"	350	
193		MJ Cross	C-Water	16" x 16"	350	
194		MJ Cross	C-Water	24" x 16"	350	
195		MJ Cross	C-Water	24" x 20"	350	
196		MJ Cross	C-Water	24" x 24"	350	
197		MJ Anchor Tee	C-Water	6" x 6"	350	
198		MJ Anchor Tee	C-Water	8" x 6"	350	
199		MJ Anchor Tee	C-Water	8" x 8"	350	
200		MJ Anchor Tee	C-Water	10" x 6"	350	
201		MJ Anchor Tee	C-Water	10" x 8"	350	
202		MJ Anchor Tee	C-Water	12" x 6"	350	
203		MJ Anchor Tee	C-Water	12" x 8"	350	
203		MJ Anchor Tee	C-Water	20" x 6"	350	
205		MJ Cap	C-Water	4"	350	
206		MJ Cap	C-Water	6"	350	
207		MJ Cap	C-Water	8"	350	
208		MJ Cap	C-Water	10"	350	
209		MJ Cap	C-Water	12"	350	
210		MJ Plug	C-Water	2"	350	
211		MJ Plug	C-Water	3"	350	
212		MJ Cap	C-Water	4"	350	
213		MJ Cap	C-Water	6"	350	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
214		MJ Cap	C-Water	8"	350	\$
215		MJ Plug	C-Water	10"	350	
216		MJ Plug	C-Water	12"	350	
217		SEB Reducer (Small Bell End)	C-Water	4" x 3"	350	
218		SEB Reducer (Small Bell End)	C-Water	6" x 4"	350	
219		SEB Reducer (Small Bell End)	C-Water	8" x 4"	350	
220		SEB Reducer (Small Bell End)	C-Water	8" x 6"	350	
221		SEB Reducer (Small Bell End)	C-Water	10" x 6"	350	
222		SEB Reducer (Small Bell End)	C-Water	10" x 8"	350	
223		SEB Reducer (Small Bell End)	C-Water	12" x 6"	350	
224		SEB Reducer (Small Bell End)	C-Water	12" x 8"	350	
225		SEB Reducer (Small Bell End)	C-Water	12" x 10"	350	
226		SEB Reducer (Small Bell End)	C-Water	16" x 12"	350	
227		SEB Reducer (Small Bell End)	C-Water	4" x 3"	350	
228		SEB Reducer (Small Bell End)	C-Water	6" x 4"	350	
229		SEB Reducer (Small Bell End)	C-Water	8" x 4"	350	
230		SEB Reducer (Small Bell End)	C-Water	8" x 6"	350	
231		SEB Reducer (Small Bell End)	C-Water	10" x 6"	350	
232		SEB Reducer (Small Bell End)	C-Water	10" x 8"	350	
233		SEB Reducer (Small Bell End)	C-Water	12" x 6"	350	
234		SEB Reducer (Small Bell End)	C-Water	12" x 8"	350	
235		SEB Reducer (Small Bell End)	C-Water	12" x 10"	350	
236		SEB Reducer (Small Bell End)	C-Water	16" x 12"	350	
276		MJ Bend 11-1/4 Degree	F-Sewer	3"	350	
238		MJ Bend 11-1/4 Degree	F-Sewer	4"	350	
239		MJ Bend 11-1/4 Degree	F-Sewer	6"	350	
240		MJ Bend 11-1/4 Degree	F-Sewer	8"	350	
241		MJ Bend 11-1/4 Degree	F-Sewer	10"	350	
242		MJ Bend 11-1/4 Degree	F-Sewer	12"	350	
243		MJ Bend 22-1/2 Degree	F-Sewer	3"	350	
244		MJ Bend 22-1/2 Degree	F-Sewer	4"	350	
245		MJ Bend 22-1/2 Degree	F-Sewer	6"	350	
246		MJ Bend 22-1/2 Degree	F-Sewer	8"	350	
247		MJ Bend 22-1/2 Degree	F-Sewer	10"	350	
248		MJ Bend 22-1/2 Degree	F-Sewer	12"	350	
249		MJ Bend 45 Degree	F-Sewer	3"	350	
250		MJ Bend 45 Degree	F-Sewer	4"	350	
251		MJ Bend 45 Degree	F-Sewer	6"	350	
252		MJ Bend 45 Degree	F-Sewer	8"	350	
253		MJ Bend 45 Degree	F-Sewer	10"	350	
254		MJ Bend 45 Degree	F-Sewer	12"	350	
255		MJ Bend 90 Degree	F-Sewer	3"	350	
256		MJ Bend 90 Degree	F-Sewer	6"	350	
257		MJ Bend 90 Degree	F-Sewer	8"	350	
258		MJ Bend 90 Degree	F-Sewer	10"	350	



Item #	Mfgr/Model	Description	Category	Diameter	Class	Price Ea.
259		MJ Bend 90 Degree	F-Sewer	12"	350	\$
260		MJ Sleeve	F-Sewer	3"	350	
251		MJ Sleeve	F-Sewer	4"	350	
252		MJ Sleeve	F-Sewer	6"	350	
253		MJ Sleeve	F-Sewer	8"	350	
254		MJ Sleeve	F-Sewer	10"	350	
255		MJ Sleeve	F-Sewer	12"	350	
256		MJ Tee	F-Sewer	3" x 3"	350	
257		MJ Tee	F-Sewer	4" x 3"	350	
258		MJ Tee	F-Sewer	4" x 4"	350	
259		MJ Tee	F-Sewer	6" x 4"	350	
260		MJ Tee	F-Sewer	6" x 6"	350	
261		MJ Tee	F-Sewer	8" x 4"	350	
262		MJ Tee	F-Sewer	8" x 6"	350	
263		MJ Tee	F-Sewer	8" x 8"	350	
264		MJ Tee	F-Sewer	10" x 4"	350	
265		MJ Tee	F-Sewer	10" x 6"	350	
266		MJ Tee	F-Sewer	10" x 8"	350	
267		MJ Tee	F-Sewer	10" x 10"	350	
268		MJ Tee	F-Sewer	12" x 4"	350	
269		MJ Tee	F-Sewer	12" x 6"	350	
270		MJ Tee	F-Sewer	12" x 8"	350	
271		MJ Tee	F-Sewer	12" x 10"	350	
272		MJ Tee	F-Sewer	12" x 12"	350	
273		SEB Reducer (Small Bell End)	F-Sewer	4" x 3"	350	\$
274		SEB Reducer (Small Bell End)	F-Sewer	6" x 4"	350	
275		SEB Reducer (Small Bell End)	F-Sewer	8" x 6"	350	
276		LEB Reducer (Large Bell End)	F-Sewer	4" x 3"	350	
277		LEB Reducer (Large Bell End)	F-Sewer	6" x 4"	350	
278		LEB Reducer (Large Bell End)	F-Sewer	8" x 6"	350	

Adapters and Fittings

No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
279	Adapter, Inserta Tee	4" x 6"			Sch 3034	\$
280	Adapter, Inserta Tee	4" x 8"				
281	Adapter, Inserta Tee	8" x 6"			Sch 3034	
282	Adapter, Brass, Compression	Female x 1"	H15454			
283	Adapter, Brass, Compression w/Comp. Nut	Female-2" CTS x 2" FIP	H1545 33510			
284	Adapter, Brass, Compression	Female x 3/4"	C04-33Q H-15451			



285	Adapter, Brass, Female Flare	Female Flare x ¾"	H-15071			\$
286	Adapter, Male, Brass 1" MIP x ¾" Compression	MIP X ¾"	H-15428			
287	Adapter, Brass, Male, Compression Nut for CTS	1" Compression	H-15428			
288	Adapter, Brass, Male, 1-1/2" Compression	Nut for CTS, 1-1/2" MIP	H-15428			
289	Adapter, Brass, Male, 1-1/4" Compression	Nut for CTS – 1-1/4" MIP	H15428			
290	Adapter, Brass, Male, 2" Compression Nut	For CTS x 2" MIP	H15428			
291	Adapter, Brass, Male, 1" MIP x ¾" Comp	Nut for CTS	C84-43Q H 15428			
292	Adapter, Male, Brass – ¾" MIP X ¾"	Comp Nut for CTS	H15428			
293	Adapter, PVC-1" Slip x ¾" Male Thread	Sch-40				
	CLAMPS					
294	Clamp, Patch,	½" x 3"		Smith Blair/JCM		\$
295	Clamp, Patch	½" x 3"		Smith Blair/JCM		
296	Clamp, Patch	1" x 6"		Smith Blair/JCM		
297	Clamp, Patch	½" x 3"		Smith Blair/JCM		
298	Clamp, Patch,	2" x 3"				
299	Clamp, Patch	2 ½" x 3"				
300	Clamp, Patch	2" x 6"				
301	Clamp, Patch	¾" x 3"				\$
302	Clamp, Pipe Support	1" IPS		Continental		
323	Clamp, Pipe Support	2" IPS		Continental		
304	Clamp, Pipe Support	¾" IPS				
305	Clamp, Pipe Support	4" IPS				
306	Clamp, Pipe Support	5" IPS				
307	Clamp, Pipe-Full Circle, Abestos/Cement-Bolt On	10" x 12"				\$
308	Clamp, Pipe-Full Circle, Single Bolt-O.D. C900	10" x 15"				
309	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 12", 12.62 to 13.02				
310	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 15", 12.62 to 13.02				
311	Clamp, Pipe-Full Circle, Bolt On- O.D.	12" x 15" 13.10 to 13.50				
312	Clamp, Pipe-Full Circle, Bolt On- O.D.	2" x 12" 2.35 to 2.63				
314	Clamp, Pipe-Full Circle, Bolt On- O.D.	3" x 12" 3.73 x 4.13				



No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
315	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" x 12" 4.45 x 4.75				\$
316	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" x 15" 4.45 to 4.85 C900				
317	Clamp, Pipe-Full Circle, Bolt On- O.D.	4" X 7" 4.45 to 4.75				
318	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" X 12" 6.56 to 6.96				
319	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 6.85 to 7.25				
320	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 6.85 x 7.25				
321	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12" 7.04 x 7.84				
322	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 15" 6.56 x 6.95 Range covers PVC				
323	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 15" 6.85 x 7.25				
324	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 20" 7.05 x 7.45				
325	Clamp, Pipe-Full Circle, Bolt On- O.D.	6" x 12-1/2" 6.84 x 7.24				
326	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 12" 8.54 x 8.94				
327	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 12" 8.99 x 9.93				
328	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 20" 9.27 x 9.67				
329	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 30" 8.54 x 8.94				
330	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 15" 8.99 x 9.39				
331	Clamp, Pipe-Full Circle, Bolt On- O.D.	8" x 15" 8.54 x 8.94				
332	Clamp, Pipe-Full Circle, Bolt On- O.D.- Single Bolt	10" x 15" 10.75				
333	Coupling, Compression, PVC	½" White 200 PSI				\$
334	Coupling, Compression, PVC	1-1/4" White 200 PSI				
335	Coupling, Compression, PVC	1" White 200 PSI				
336	Coupling, Compression, PVC	2" White 200 PSI				
337	Coupling, Compression, PVC	3" White 200 PSI				
338	Coupling, Compression, PVC	¾" White 200 PSI				



No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
339	Coupling, Compression, PVC	4" White 200 PSI				\$
340	Coupling (Fitting), PVC	2" Slip x Slip				\$
314	Coupling, Repair Pipe	3" O.D. 3.47 x 4.03				
315	Coupling, Repair Pipe	3" O.D. 3.47 x 4.03 4.25 x 5.63				
316	Coupling, Plastic to Plastic	10" PVC				
317	Coupling, Plastic to Plastic	12" PVC				
318	Coupling, Plastic to Plastic	15" PVC				
319	Coupling, Plastic to Plastic	2" PVC				
320	Coupling, Plastic to Plastic	3" PVC				
321	Coupling, Plastic to Plastic	4" PVC				
322	Coupling, Plastic to Plastic	4" x 2" PVC				
333	Coupling, Plastic to Plastic	6" PVC				
334	Coupling, Plastic to Plastic	6" x 4" PVC				
335	Coupling, Plastic to Plastic	6" x 8" PVC				
336	Coupling, Plastic to Plastic	8" PVC				\$
337	Coupling, Repair	6" O.D. Range 6.43 to 7.68				
338	Coupling, Repair	8" O.D. Range 8.54 to 9.84				
339	Coupling, Repair	10" O.D. Range 10.54				
340	Coupling, Repair	12" O.D. Range 12.40 – 13.33				
341	Coupling, Steel	2" Nominal Size 2.38 Steel Pressure Rated: 300 WOG- Plastic				
342	Check Valve, Fitting, Back Flow, Brass	1" (Ford)				\$
343	Coupling, Fitting, Slip x Female Thread	2", Schedule 40				
344	Check Valve, Fitting, Back Flow, Brass	¾"				
345	Corporation Stop, Fitting, Brass	1-1/2" Valve Taper Thread, Inlet- 1- 1/2"				
346	Compression Nut for CTS	1"				
347	Corporation Stop, Brass	1" AWWA/CC Taper Thread Inlet- 1"				
348	Compression Nut for CTS	1"				
349	Coupling, Fitting – PVC	2" Slip x Male Thread				
350	Corporation Stop, Brass	2" M.I.P. X F.I.P., Hot Tap				



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				\$
352	Curb Stops, Suitable for service piping	¾" Equal to Mueller 300 series or Ford B11 Series				
353	Corporation Stop, Brass	¾" Valve, AWWA/CC Taper Thread Inlet-¾" Compression Nut for CTS	H-15008			
354	Copper Service Pipe, to be seamless copper water tubing ASTM B 88, Type "K"	¾" Size				
355	Copper Service Pipe, to be seamless copper water tubing ASTM B 88, Type "K"	1" Size				
356	Pipe for Service Connections, Copper Service Pipe, Seamless Copper Water Tubing, ASTM B 88, Type "K"	1-1/2" Size				
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				
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				
	GALVANIZED FITTINGS					
359	Elbow, 90 Degree Galvanized	1"				\$
360	Elbow, 90 Degree Galvanized	1-1/2"				
361	Elbow, 90 Degree Galvanized	1-1/2" x 1"				
362	Elbow, 90 Degree Galvanized	1-1/2" x 1-1/4"				
363	Elbow, 90 Degree Galvanized	1-1/4"				
364	Elbow, 90 Degree Galvanized	1-1/4" x 1"				
365	Elbow, 90 Degree Galvanized	½"				
366	Elbow, 90 Degree Galvanized	1" x ¾"				
367	Elbow, 90 Degree Galvanized	2"				
368	Elbow, 90 Degree Galvanized	2" x 1"				
369	Elbow, 90 Degree Galvanized	2" x 1-1/2"				
370	Elbow, 90 Degree Galvanized	¾"				
371	Elbow, Street, 90 Degree Galvanized	1" x 1"				
372	Gasket, Rubber	10" Mechanical Joint (MJ)				\$
373	Gasket, Rubber	10" Transition				
374	Gasket, Rubber	12" MJ				



No.	Item:	Size:	Model No.	Manufacturer	Misc.	Price Ea.
375	Gasket, Rubber	12" Transition				\$
376	Gasket, Rubber	2" MJ				
377	Gasket, Rubber	2" Transition				
378	Gasket, Rubber	3" MJ				
379	Gasket, Rubber	3" Transition				
380	Gasket, Rubber	4" MJ				
381	Gasket, Rubber	4" Transition				
382	Gasket, Rubber	6" MJ				
383	Gasket, Rubber	6" Transition				
384	Gasket, Rubber	8" MJ				
385	Gasket, Rubber	8" Transition				
386	Nipple, Brass	1-1/2" x 5-1/2"				\$
387	Nipple, Brass	1-1/4" x Close				
388	Nipple, Brass	1-1/2" x Close				
389	Nipple, Brass	1-3/4" x 5"				
390	Nipple, Brass	1-3/4" x 6"				
391	Nipple, Brass	1" x Close				
392	Nipple, Brass	2" x 2"				
393	Nipple, Brass	2" x 4"				
394	Nipple, Brass	2" x 6"				
395	Nipple, Galvanized	1" x 10"				\$
396	Nipple, Galvanized	1" x 1-1/2"				
397	Nipple, Galvanized	1-1/2" x Close				
398	Nipple, Galvanized	1-1/2" x 2"				
399	Nipple, Galvanized	1-1/2" x 2-1/2"				
400	Nipple, Galvanized	1-1/2" x 3"				
401	Nipple, Galvanized	1-1/2" x 3-1/2"				
402	Nipple, Galvanized	1-1/2" x 4"				
403	Nipple, Galvanized	1-1/2" x 4-1/2"				
404	Nipple, Galvanized	1-1/2" x 5"				
405	Nipple, Galvanized	1-1/2" x 5-1/2"				
406	Nipple, Galvanized	1-1/4" x 6"				
407	Nipple, Galvanized	1/2" x 10"				
408	Nipple, Galvanized	1" x 2-1/2"				
409	Nipple, Galvanized	1/2" x 12"				
410	Nipple, Galvanized	1/2" x 2				
411	Nipple, Galvanized	1/2" x 3"				
412	Nipple, Galvanized	1/2" x 4"				
413	Nipple, Galvanized	1/2" x 6"				
414	Nipple, Galvanized	1" x 3"				
415	Nipple, Galvanized	1" x 1/2"				
416	Nipple, Galvanized	1" x 4"				



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

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 Gradde 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		24" Bury	\$	
2		30" Bury	\$	
3		36" Bury	\$	
4		42" Bury	\$	
5		48" Bury	\$	
6		54" Bury	\$	
7		60" Bury	\$	
8		66" Bury	\$	
9		72" Bury	\$	

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 _____ Model _____

Delivery ARO _____ Payment Terms _____

Company Name _____

Address _____

City, State, Zip _____

Submitted By _____ Title _____

Please Print

Phone _____ Email Address _____

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 _____ Date _____

7.0 **BID PRICE SHEET**

	Manufacturer:	Description:	Price:	Measure:
434		4" SDR26 Sewer Pipe	\$	Per Ft
435		6" SDR26 Sewer Pipe		Per Ft
436		8" SDR26 Sewer Pipe		Per Ft
437		10" SDR26 Sewer Pipe		Per Ft
438		12" SDR26 Sewer Pipe		Per Ft
439		15" SDR26 Sewer Pipe		Per Ft
440		18" SDR26 Sewer Pipe		Per Ft
441		4" SDR26 11-1/2 degree PVC Elbow		Ea.
442		6" SDR26 11-1/2 degree PVC Elbow		Ea.
443		8" SDR26 11-1/2 degree PVC Elbow		Ea.
444		4" SDR26 22-1/2 degree PVC Elbow		Ea.
445		6" SDR26 22-1/2 degree PVC Elbow		Ea.
446		8" SDR26 22-1/2 degree PVC Elbow		Ea.
447		4" SDR26 45 degree Elbow GxG 4x4		Ea.
448		6" SDR26 45 degree Elbow GxG 6x6		Ea.
449		8" SDR26 45 degree Elbow GxG 8x8		Ea.
450		10" SDR26 45 degree PVC Elbow GxG 10x10		Ea.
451		4" SDR26 90 degree PVC Elbow GxG 4x4		Ea.
452		6" SDR26 90 degree PVC Elbow GxG 6x6		Ea.
453		8" SDR26 90 degree PVC Elbow GxG 8x8		Ea.



No.	Manufacturer:	Description:	Price:	Measure:
454		10" SDR26 90 degree PVC Elbow GxG 10x10	\$	Ea.
455		12" SDR26 90 degree PVC Elbow GxG 12x12		Ea.
456		4" SDR26 90 degree Tee Wye 4"x4"x4"		Ea.
457		6" SDR26 90 degree Tee Wye 6"x6"x4"		Ea.
458		8" SDR26 90 degree Tee Wye 8"x8"x4"		Ea.
459		8" SDR26 90 degree Tee Wye 8"x8"x6"		Ea.
460		8" SDR26 90 degree Tee Wye 8"x8"x8"		Ea.
461		10"x10"x4" SDR26 PVC Tee Wye		Ea.
462		10"x10"x6" SDR26 PVC Tee Wye		Ea.
463		12"x12"x6" SDR26 PVC Tee Wye		Ea.
464		6" SDR26 90 PVC Tee Wye 6"x6"x6" Double Sweep **See Attached Specification**		Ea.
465		6" SDR26 PVC Double Sweep Clean Out		Ea.
466		4" Wye (45) SDR26 GxGxG 4"x4"x4"		Ea.
467		6" Wye (45) SDR26 GxGxG 6"x6"x4"		Ea.
468		6" Wye (45) SDR26 GxGxG 6"x6"x6"		Ea.
469		8" Wye (45) SDR26 GxGxG 8"x8"x4"		Ea.
470		8" Wye (45) SDR26 GxGxG 8"x8"x6"		Ea.
471		8" Wye (45) SDR26 GxGxG 8"x8"x8"		Ea.
472		10" Wye (45) SDR26 GxGxG 10"x10"x4"		Ea.
473		10" Wye (45) SDR26 GxGxG 10"x10"x6"		Ea.
474		10" Wye (45) SDR26 GxGxG 10"x10"x8"		Ea.
475		10" Wye (45) SDR26 GxGxG 10"x10"x10"		Ea.
476		12" Wye (45) SDR26 GxGxG 12"x12"x4"		Ea.
477		12" Wye (45) SDR26 GxGxG 12"x12"x6"		Ea.
478		12" Wye (45) SDR26 GxGxG 12"x12"x8"		Ea.
479		4" PVC Sewer Clean Out Adapter		Ea.
480		6" PVC Sewer Clean Out Adapter SDR35		Ea.
481		4" PVC Sewer Clean Out Plug		Ea.
482		6" PVC Sewer Clean Out Plug SDR35		Ea.
483		4" C-900 DR18 PC 150 PVC Pipe		Per Ft.
484		6" C-900 DR18 PC 150 PVE Pipe		Per Ft.
485		8" C-900 DR18 PC 150 PVC Pipe		Per Ft.
486		10" C-900 DR18 PC 150 PVC Pipe		Per Ft.
487		12" C-900 DR18 PC 150 PVC Pipe		Per Ft.
488		¾" PVC Sch 80 Male Adapter		Ea.
489		1" PVC Sch 80 Male Adapter		Ea.
490		1-1/2" PVC Sch 80 Male Adapter		Ea.
491		2" PVC Sch 80 Male Adapter		Ea.
492		2-1/2" PVC Sch 80 Male Adapter		Ea.
493		3" PVC Sch 80 Male Adapter		Ea.
494		4" PVC Sch 80 Male Adapter		Ea.
495		¾" PVC Sch 80 Female Adapter		Ea.
496		1" PVC Sch 80 Female Adapter		Ea.
497		1-1/2" PVC Sch 80 Female Adapter		Ea.



No.	Manufacturer:	Description:	Price:	Measure:
498		2" PVC Sch 80 Female Adapter	\$	Ea.
499		2-1/2" PVC Sch 80 Female Adapter		Ea.
500		3" PVC Sch 80 Female Adapter		Ea.
501		4" PVC Sch 80 Female Adapter		Ea.
502		¾" PVC Sch 80 22-1/2 Bend		Ea.
503		1" PVC Sch 80 22-1/2 Bend		Ea.
504		1-1/2" PVC Sch 80 22-1/2 Bend		Ea.
505		2" PVC Sch 80 22-1/2 Bend		Ea.
506		2-1/2" PVC Sch 80 22-1/2 Bend		Ea.
507		3" PVC Sch 80 22-1/2 Bend		Ea.
508		4" PVC Sch 80 22-1/2 Bend		Ea.
509		¾" PVC Sch 80 90 deg Elbow		Ea.
510		1" PVC Sch 80 90 deg Elbow		Ea.
511		2-1/2" PVC Sch 80 90 deg Elbow		Ea.
512		3" PVC Sch 80 90 deg Elbow		Ea.
513		4" PVC Sch 80 90-deg Elbow		Ea.
514		¾" PVC Sch 80 Sleeve		Ea.
515		1" PVC Sch 80 Sleeve		Ea.
516		1-1/2" PVC Sch 80 Sleeve		Ea.
517		2" PVC Sch 80 Sleeve		Ea.
518		2-1/2" PVC Sch 80 Sleeve		Ea.
519		3" PVC Sch 80 Sleeve		Ea.
520		4" PVC Sch 80 Sleeve		Ea.
521		¾" PVC Sch 80 45 bend		Ea..
522		1" PVC Sch 80 45 bend		Ea.
523		1-1/2" PVC Sch 80 45 deg bend		Ea.
524		2" PVC Sch 80 45-deg Bend		Ea.
525		2-1/2" PVC Sch 80 45-deg Bend		Ea.
526		3" PVC Sch 80 45-deg Bend		Ea.
527		4" PVC Sch 80 45-deg Bend		Ea.
528		¾" PVC Sch 80 SW Cap		Ea..
529		1" PVC Sch 80 SW Cap		Ea.
530		1-1/2" PVC Sch 80 SW Cap		Ea.
531		2" PVC Sch 80 SW Cap		Ea.
532		2-1/2" PVC Sch 80 SW Cap		Ea.
533		3" PVC Sch 80 SW Cap		Ea.
534		4" PVC Sch 80 SW Cap		Ea.
535		¾" PVC Sch 80 Tee		Ea.
536		1" PVC Sch 80 Tee		Ea.
537		1-1/2" PVC Sch 80 Tee		Ea.
538		2" PVC Sch 80 Tee		Ea.
539		2-1/2" PVC Sch 80 Tee		Ea.
540		3" PVC Sch 80 Tee		Ea.
541		4" PVC Sch 80 Tee		Ea.
542		½" PVC Sch 80 Ball Valve		Ea.



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

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 _____}

COUNTY OF _____}

I, the undersigned authority in and for said State and County, hereby certify that _____

as _____ respectively, of _____
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 _____ day of _____, 2020.

NOTARY PUBLIC _____

MY COMMISSION EXPIRES: ____ / ____ / ____



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): _____

Doing-Business-As Name of Bidder: _____

Principal Office Address:

Telephone Number: _____ Fax Number: _____

Email address: _____



Form of Business Entity [mark one ("X")]

Corporation _____

Partnership _____

Individual _____

Joint Venture _____

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: _____

Location of organization: _____

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 _____ E-mail _____

Cell Phone _____ Office Phone _____

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