

GENERAL CONDITIONS FOR WATER FITTINGS AND ACCESSORIES DECEMBER 2023

I. CONTRACT PERIOD

The period of this contract will be for **one-hundred eighty (180) days** from the date the bid is awarded. This contract may be renewed for up to **three (3) years** from the initial award date upon the agreement of both parties. The bid price will remain firm during the period of the contract.

II. DELIVERY

Deliveries shall be made within seven (7) working days from the order date. The vendor shall notify the Water Plant Operator or Shelby County Water Services personnel (the person who ordered the product) of any problems in meeting the mandatory seven (7) working day deadline. The vendor must schedule a specific delivery day and time with personnel if the deadline is not met. Excessive failure to deliver within seven (7) working days shall be grounds for rejection of the vendor for future purchases at the sole discretion of Shelby County. Bulk deliveries of chemicals, if ordered, shall be made in tanker truck. For all chemical deliveries, the truck must be equipped with all the means to safely convey the chemical from the truck to the storage tanks. Any spillage or leakage shall be the responsibility of the vendor.

All quoted prices shall include delivery charges. Deliveries shall be made to the following locations:

**Shelby County Booster Station B-2-N
10610 Old Hwy 280
Sterrett, AL 35147**

**Shelby County Field Operations Office
42 Big Oak Circle
Sterrett, AL 35147**

III. BILLING

Invoice payments shall be based solely on the quantity of items received and the vendor's stated bid price. **The product shall be billed in items received, and all prices shall include shipping.** Shelby County Water Services does require a Purchase Order for every order placed. Shelby County Water Services is tax-exempt.

All invoices shall be billed to:

**Shelby County Water Services
200 West College Street, Room 145
Columbiana, AL 35051
ap-water-landfill@shelbyal.com - preferred delivery method**

IV. ESTIMATED ANNUAL USE

Products will be ordered on an **AS-NEEDED** basis. Minimum quantities for chemical orders, other than bulk orders, may be one (1) tote or one (1) pallet. Estimated quantities for products are:

See attached bid documents for quantities.

V. BID QUALIFICATIONS

All BIDDERS must submit product information with bids. Information to be submitted must show that the product proposed meets all the specifications listed below and list **ALL EXCEPTIONS** to the specifications in a separate document. Failure to submit these exceptions may be cause for disqualification.

VI. METHOD OF AWARD

The intention is to award this bid to one supplier on a Total basis for Groups 1-4. Failure to provide a bid price for all items within a Group will be cause for disqualification of the bid for that entire Group. However, the Shelby County Commission reserves the right to award separate contracts for each group or combination of groups if it is in the best interest of the Shelby County Commission. Successful bidders are required to provide any or all items within the Group awarded at the unit prices offered in the bid. Unit prices shall be firm, and no increase in price shall be allowed during the one-hundred eighty (180) days that the award is in effect. Failure to furnish any item within the Group at the bid price during the one-hundred eighty (180) day award period may be cause for disqualification from future bid processes for the Group of items awarded. Group 5 will be awarded to the vendor or vendors that are awarded any of Groups 1-4 and submit information for this bid.

QUOTATION SHEET
Shelby County Water Services
BID: WATER FITTINGS AND ACCESSORIES
December 2023

THE UNDERSIGNED OFFERS THESE PRICES, TERMS, AND DELIVERY AS PER BID
GENERAL CONDITIONS AND SPECIFICATIONS:

NAME OF COMPANY: _____

CONTACT: (Please Print): _____

SIGNATURE: _____

COMPANY ADDRESS: _____

PHONE: _____

E-MAIL ADDRESS: _____

BIDS SUBMITTED ARE FIRM AND NO CLAIMS FOR ERRORS WILL BE MADE AFTER BIDS
ARE OPENED AND SUBSEQUENT THEREOF.

Sworn to and subscribed before me this

the _____ day of _____, _____.

_____, Notary Public

My Commission Expires: _____

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
1	3/4" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal	400				
2	3/4" Union Tailpiece - Watts # 1139959	100				
3	3/4" O-Ring - Watts # 1101192	100				
4	1" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal	400				
5	1" Union Tailpiece - Watts # 1139960	100				
6	1" O-Ring - Watts # 1101930	100				
7	2" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal	10				
8	1" x 3/4" Back Flow Preventor With Meter Connector Attached Watts 710U2 or Equal	400				
9	1" Back Flow Preventor With Meter Connector Attached Watts 710U2 or Equal	400				
10	2" Back Flow Preventor With Meter Connector Attached Watts 007QT or Equal	10				
11	2" Double Check Repair Kit (complete) Watts 0887192 (Valve)	50				
12	2" Double Check Repair Kit (rubbers only) Watts 0887188 (Valve)	50				
13	3/4" Brass Ball Type Corporation Stop - Ford FB10003 or Equal	25				
14	1" Brass Ball Type Corporation Stop -Ford FB10004 or Equal	400				

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
15	2" Brass Ball Type Corporation Stop - Ford FB10007 or Equal	10				
16	2" Threaded Brass Cap	50				
17	3/4" Angle Curb Stops - Ford BA43-332W or Equal	25				
18	1" Angle Curb Stops - Ford BA43-444W or Equal	400				
19	3/4" Straight Curb Stop - Ford B43-332W or Equal	10				
20	1" Straight Curb Stop - Ford B43-444W or Equal	25				
21	3/4" x 1/16" Rubber Washers	1000				
22	3/4" x 1/8" Rubber Washers	1000				
23	3/4" Grip Joint - Gasket/Nut Assembly - Ford GJN 4-3	200				
24	1" Grip Joint - Gasket/Nut Assembly - Ford GJN 4-4	200				
25	3/4" Pack Joint - Gasket/Nut Assembly - Ford NG-D4	200				
26	1" Pack Joint - Gasket/Nut Assembly - Ford NG-F4	200				
27	2" Meter Adapter Kits (Flange Type) Ford CF31-77 or Equal	25				
28	2" Bronze Gate Valves Screw Joint - NIBCO T113 or Equal	25				

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
29	3/4" Brass Ball Valves Screw Joint - NIBCO T580 or Equal	25				
30	1" Brass Ball Valves Screw Joint - NIBCO T580 or Equal	25				
31	2" Brass Ball Valves Screw Joint	10				
32	2" Dual Check Valve - Ford HFS31-777 or Equal	10				
33	3/4" Meter Adapters - Ford A-14 or Equal	800				
34	1" Meter Adapters - Ford A-34 or Equal	800				
35	2" Flange Bolts, Nuts and Washers	40				
36	1" x 1/16" Rubber Washers	1000				
37	1" x 1/8" Rubber Washers	1000				
38	3/4" Brass Meter Coupling, Ford C38-23-2.5 or Equal	800				
39	1" Brass Meter Coupling, Ford C38-44-2.625 or Equal	800				
40	2" Brass Meter Coupling, Ford C38-77-3.0625 or Equal	20				
41	1" Compression To Compression Coupling - Ford C44-44 or Equal	100				
42	1" Compression To Male Coupling - Ford C84-44 or Equal	75				

GROUP 1			VENDOR NAME:			
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
43	1" Compression To Female Coupling - Ford C14-44 or Equal	75				
44	1" Compression L or 90 - Ford L44-44 or Equal (Elbow)	250				
45	1" Compression Tees - ford T444-444Q or Equal	25				
46	2" Compression to Compression Coupling - Ford C44-77 or Equal	40				
47	2" Compression to Male for PVC (Adapter)	10				
48	2" Compression to Female for PVC (Adapter)	10				
49	2" IPS Female Compression x CTS (Adapter)	10				
50	2" IPS Male Compression x CTS (Adapter)	10				
51	3/4" Compression Coupling - Ford C44-33 or Equal	50				
52	3/4" Female to Compression Coupling - Ford C14-33 or Equal	25				
53	3/4" Male to Compression Coupling - Ford C84-33 or Equal	25				
54	3/4" x 1" Compression Tee - Ford T444-334 or Equal	25				
55	2" I 2500 Resilient Wedge Gate Valve, NRS with 2" Operating Nut, Screw Joint or Equal	10				
56	3/4" Brass Coupling - Iron Pipe Threads - Merit or Equal	50				

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
57	1" Brass Coupling - Iron Pipe Threads - Merit or Equal	50				
58	2" Brass Coupling - Iron Pipe Threads - Merit or Equal	25				
59	3/4" x Close Brass Nipple - Trenton or Equal	800				
60	1" x Close Brass Nipple - Trenton or Equal	800				
61	2" x Close Brass Nipple - Trenton or Equal	25				
62	3/4" x 2" Brass Nipple - Trenton or Equal	40				
63	3/4" x 3" Brass Nipple - Trenton or Equal	25				
64	3/4" x 4" Brass Nipple - Trenton or Equal	25				
65	3/4" x 5" Brass Nipple - Trenton or Equal	25				
66	1" x 2" Brass Nipple - Trenton or Equal	25				
67	1" x 3" Brass Nipple - Trenton or Equal	25				
68	1" x 4" Brass Nipple - Trenton or Equal	25				
69	1" x 5" Brass Nipple - Trenton or Equal	25				
70	1" x 6" Brass Nipple - Trenton or Equal	25				

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
71	2" x 2" Brass Nipple - Trenton or Equal	25				
72	2" x 3" Brass Nipple - Trenton or Equal	25				
73	2" x 4" Brass Nipple - Trenton or Equal	25				
74	2" x 6" Brass Nipple - Trenton or Equal	25				
75	2" x 12" Brass Nipple - Trenton or Equal	25				
76	2" x 24" Brass Nipple - Trenton or Equal	25				
77	2" x 36" Brass Nipple - Trenton or Equal	6				
78	2" x 48" Brass Nipple - Trenton or Equal	6				
79	3/4" x 1-1/4" Brass Bushings	50				
80	1" x 3/4" Brass Bushings - Merit or Equal	100				
81	2" x 3/4" Brass Bushings	20				
82	2" x 1" Brass Bushings	20				
83	3/4" Brass Unions - Merit or Equal	20				
84	1" Brass Unions - Merit or Equal	20				

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
85	2" Brass Unions - Merit or Equal	10				
86	3/4" x 2" Brass Bell Reducer - Merit or Equal	10				
87	2" 90 Degree Brass Elbows	40				
88	2" Brass Tee	40				
89	2" Brass 45 Degree Fitting (Elbow)	20				
90	5/8" x 3/4" x 12" Resetter - Ford VHH42 -12W	10				
91	5/8" x 3/4" x 15" Resetter - Ford VHH42 -15W	10				
92	5/8" x 3/4" x 18" Resetter - Ford VHH42 -18W	10				
93	1" x 12" Resetter - Ford VHH44 - 12 W	10				
94	1" x 15" Resetter - Ford VHH44 - 15 W	10				
95	1" x 18" Resetter - Ford VHH44 - 18W	10				
96	3/4" Repair Clamps Ford Style FLSC-088-3R	50				
97	1" Repair Clamps Ford Style FLSC-113-3R	50				
98	2" Repair Clamps Ford Style FLSC-213-6R	24				

GROUP 1			VENDOR NAME:			
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
99	3/4" PEXa Water Service Line, 100' coils, per foot	200				
100	1" PEXa Water Service Line, 100' coils, per foot	200				
101	3/4" Stainless Steel Inserts for PEXa Water Service Line (PEX ftg)	100				
102	1" Stainless Steel Inserts for PEXa Water Line (PEX ftg)	100				
103	2" x 7 1/2" Repair Clamp for PVC FF126375	10				
104	2" x 12 1/2" Repair Clamp for PVC FF1263125	10				
105	3" x 7 1/2" Repair Clamp for PVC FF137075	10				
106	3" x 12 1/2" Repair Clamp for PVC FF1370125	10				
			GROUP 1 TOTAL			\$

GROUP 2			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
201	12" x 18" Rectangular Meter Box Polyplastic or Equivalent with cast iron, hinged reader lid NDS -1200-DICIR or Equal	100				
202	18" x 24" Rectangular Meter Box Polyplastic or Equivalent with cast iron, hinged reader lid NDS -1500-DICIR or Equal	400				
203	24" x 36" Rectangular Meter Box Polyplastic or Equivalent with cast iron, hinged reader lid NDS - 126BCDMCIFB or Equal	10				
204	12" x 18" Concrete Meter Box with lid: 36-H	25				
205	Meter Box Lid for 12" x 18" Concrete Meter Box (Lid Only)	25				
206	Meter Box Lid for 12" x 18" Meter Box (Lid Only) NDS-D1200-DICIRLID or Equal	25				
207	Meter Box Lid for 18" x 24" Meter Box (Lid Only) NDS-D1500-DICIRLD or Equal	500				
208	Meter Box Lid for 24" x 36" Meter Box (Lid Only) NDS Bolt Down, Drop-in Plastic w/ Cast Iron Reader Cover or Equal	10				
209	polyethylene lid with 2" thru hole and recess for Badger transmitter; Sigma RMB132412NSW-W (Box) & N1324BLKWAT-TS (Lid) or Equal (See Specifications)	400				
			GROUP 2 TOTAL			\$

GROUP 3		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
301	Fire Hydrant (3'6" Depth) - Style 129 M & H, American Darling B84B or Equal	5				
302	Fire Hydrant (4'0" Depth) - Style 129 M & H, American Darling B84B or Equal	2				
303	Fire Hydrant (4'6" Depth) - Style 129 M & H, American Darling B84B or Equal	5				
304	6" x 6" Fire Hydrant "T" American Table 5-24 or Equal	5				
305	8" x 6" Fire Hydrant "T" American Table 5-24 or Equal	2				
306	6" x 24" Anchor Coupling	10				
307	6" x 13" Anchor Coupling	10				
308	4" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	10				
309	6" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	8				
310	8" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	5				
311	10" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	10				
312	12" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	10				
313	14" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal	10				
314	6" Tapping Valve - M & H 4067 or Equal	2				

GROUP 3		VENDOR NAME:				
BID ITEM#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
315	8" Tapping Valve - M & H 4067 or Equal	2				
316	10" Tapping Valve - M & H 4067 or Equal	1				
317	12" Tapping Valve - M & H 4067 or Equal	1				
318	Fire Hydrant Repair Kit - American Darling for (Main Valve Repair Kit) Part #84-35-02, B-84-B Part #84-37, Part #84-36-1	4				
319	Fire Hydrant Repair Kit - Mueller Kit #280357	4				
320	Fire Hydrant Repair Kit - M & H Style 129 Kit #557999	4				
			GROUP 3 TOTAL			\$

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
401	18" Valve Box 461S	25				
402	24" Valve Box 562S	25				
403	2" x 1" Tapping Saddle for PVC	10				
404	2" x 6" Tapping Saddle for Ductile Iron Ford F202 Series	5				
405	2" x 6" Tapping Saddle for PVC Smith Blair 238-066312-015	10				
406	2" x 8" Tapping Saddle for Ductile Iron Ford F202 Series	10				
407	2" x 8" Tapping Saddle for PVC Smith Blair 238-086312-015	10				
408	2" x 3/4" Tapping Saddle for PVC - Ford S70-203	10				
409	3" x 3/4" Tapping Saddle for PVC Ford S70-303	10				
410	6" x 3/4" Tapping Saddle for PVC Ford S70-603	10				
411	8" x 3/4" Tapping Saddle for PVC - Ford S70-803	10				
412	2" x 1" Tapping Saddle for PVC - Ford S70-204	10				
413	3" x 1" Tapping Saddle for PVC - Ford S70-304	10				
414	4" x 1" Tapping Saddle for PVC - Ford S70-404	10				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
415	6" x 1" Tapping Saddle for PVC - Ford S70-604	10				
416	8" x 1" Tapping Saddle for PVC - Ford S70-804	10				
417	4" Mechanical Joint Accessory Packs for Ductile Iron Pipe	30				
418	6" Mechanical Joint Accessory Packs for Ductile Iron Pipe	30				
419	8" Mechanical Joint Accessory Packs for Ductile Iron Pipe	30				
420	10" Mechanical Joint Accessory Packs for Ductile Iron Pipe	10				
421	12" Mechanical Joint Accessory Packs for Ductile Iron Pipe	10				
422	14" Mechanical Joint Accessory Packs for Ductile Iron Pipe	6				
423	16" Mechanical Joint Accessory Packs for Ductile Iron Pipe	6				
424	20" Mechanical Joint Accessory Packs for Ductile Iron Pipe	4				
425	24" Mechanical Joint Accessory Packs for Ductile Iron Pipe	4				
426	30" Mechanical Joint Accessory Packs for Ductile Iron Pipe	4				
427	36" Mechanical Joint Accessory Packs for Ductile Iron Pipe	2				
428	42" Mechanical Joint Accessory Packs for Ductile Iron Pipe	2				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
429	4" Megalug Accessory Packs for Ductile Iron	10				
430	6" Megalug Accessory Packs for Ductile Iron	10				
431	8" Megalug Accessory Packs for Ductile Iron	10				
432	10" Megalug Accessory Packs for Ductile Iron	10				
433	12" Megalug Accessory Packs for Ductile Iron	10				
434	14" Megalug Accessory Packs for Ductile Iron	4				
435	16" Megalug Accessory Packs for Ductile Iron	4				
436	20" Megalug Accessory Packs for Ductile Iron	4				
437	24" Megalug Accessory Packs for Ductile Iron	4				
438	30" Megalug Accessory Packs for Ductile Iron	4				
439	36" Megalug Accessory Packs for Ductile Iron	4				
440	42" Megalug Accessory Packs for Ductile Iron	2				
441	3" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	50				
442	4" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	120				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
443	6" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	120				
444	8" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	200				
445	10" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
446	12" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
447	14" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
448	16" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
449	20" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
450	24" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
451	30" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	40				
452	36" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	20				
453	42" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot (American or US)	20				
454	6" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot (American or US)					
455	8" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot (American or US)	100				
456	10" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot (American or US)	100				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
457	12" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot (American or US)	100				
458	14" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot (American or US)	100				
459	4" Mechanical Joint Compact Long Sleeve Ductile Iron	16				
460	6" Mechanical Joint Compact Long Sleeve Ductile Iron	16				
461	8" Mechanical Joint Compact Long Sleeve Ductile Iron	16				
462	10" Mechanical Joint Compact Long Sleeve Ductile Iron	10				
463	12" Mechanical Joint Compact Long Sleeve Ductile Iron	10				
464	14" Mechanical Joint Compact Long Sleeve Ductile Iron	4				
465	16" Mechanical Joint Compact Long Sleeve Ductile Iron	4				
466	20" Mechanical Joint Compact Long Sleeve Ductile Iron	4				
467	24" Mechanical Joint Compact Long Sleeve Ductile Iron	4				
468	30" Mechanical Joint Compact Long Sleeve Ductile Iron	4				
469	36" Mechanical Joint Compact Long Sleeve Ductile Iron	2				
470	42" Mechanical Joint Compact Long Sleeve Ductile Iron	1				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
471	6" Mechanical Joint C153 90 Degree Bend	10				
472	4"-12" Ductile Iron MJ Fittings (Not Listed Above), C153, less accessories per pound	750 lbs				
473	14"-24" Ductile Iron MJ Fittings (Not Listed Above), C153, less accessories per pound	1,000 lbs				
474	30"-42" Ductile Iron MJ Fittings (Not Listed Above), C110, less accessories per pound	2,500 lbs				
475	4" Mechanical Joint x IPS Transition Gaskets	30				
476	6" Mechanical Joint x IPS Transition Gaskets	30				
477	8" Mechanical Joint x IPS Transition Gaskets	30				
478	10" Mechanical Joint x IPS Transition Gaskets	10				
479	12" Mechanical Joint x IPS Transition Gaskets	10				
480	14" Mechanical Joint x IPS Transition Gaskets	6				
481	16" Mechanical Joint x IPS Transition Gaskets	6				
482	4" Repair Clamps, Ford Style FS1 15" Length	8				
483	6" Repair Clamps, Ford Style FS1 15" Length	8				
484	8" Repair Clamps, Ford Style FS2 20" Length	10				

GROUP 4			VENDOR NAME:			
Bid Item#	Bid Item Description	ESTIMATED ANNUAL QUANTITY NEEDED	MAKE OR MANUFACTURER	MODEL #	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
485	10" Repair Clamps, Ford Style FS2 20" Length	2				
486	12" Repair Clamps, Ford Style FS2 20" Length	4				
487	14" Repair Clamps, Ford Style FS2 20" Length	2				
488	16" Repair Clamps, Ford Style FS2 20" Length	2				
489	20" Repair Clamps, Ford Style FS3 20" Length	2				
490	24" Repair Clamps, Ford Style FS3 20" Length	2				
491	30" Repair Clamps, Ford FS3 Style 36" Length	1				
492	36" Repair Clamps, Ford FS3 Style 36" Length	1				
493	42" Repair Clamps, Ford FS3 Style 36" Length	1				
494	2" Knock on Hubs (Plastic)	50				
495	3" Knock on Hubs (Plastic)	12				
496	4" Knock on Hubs (Plastic)	30				
497	6" Knock on Hubs Harco D3139-SDR21 PVC 11G1, or Equal	50				
			GROUP 4 TOTAL			\$

GROUP 5	VENDOR NAME:
Bid Item	% Discount off of List Price
PVC Fittings (Sch. 40 & 80) not on other bids	
PVC Valves (Sch. 40 & 80) Including Viton Seats	
Pex Fittings	
Miscellaneous Water/Wastewater Catalog Items	
Hand Tools	
Power Tools	

BID SPECIFICATIONS FOR WATER FITTINGS AND ACCESSORIES

- I. All brass fittings must meet the "Reduction of Lead in Drinking Water Act" of January 4, 2011 as follows:
 - a. Not containing more than 0.2% lead when used in respect to solder and flux.
 - b. Not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings and fixtures.
- II. All manufacturers and models listed in each group are the standard of quality for each item. "Or Equals" shall be determined by Shelby County Water Services based on the available information and any past experiences by Shelby County Water Services' personnel. Any vendor wishing to submit "Or Equal" items must submit product information with bid. They must also list any exceptions with the listed item in a separate document.
- III. Gaskets used for MJ accessory packs, MJ x IPS transition gaskets, and Megalug accessory packs shall be manufactured in the USA and shall be made from Styrene Butadiene Copolymer (SBR). Gaskets shall be manufactured by Specification Rubber Products, Inc., or Equal.
- IV. Restrained joint pipe shall be Ductile Iron manufactured in accordance with the requirements of ANSI/ AWWA C151/A21.51. Push-on joints for such pipe shall be in accordance with ANSI/AWWA C111/A21.11 "Rubber-Gasket Joints for Ductile-Iron Pipe and Fittings." Pipe thickness shall be designed in accordance with ANSI/AWWA C150/A21.50 "Thickness Design of Ductile-Iron Pressure Pipe," and shall be based on laying conditions and internal pressures. Cement mortar lining and seal coating for pipe and fittings, where applicable, shall be in accordance with ANSI/AWWA C104/A21.4. Asphaltic outside coating shall be in accordance with ANSI/AWWA C151/A21.51 for pipe and ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53 for fittings. Restrained push-on joints for pipe and fittings shall be designed for a water working pressure of 350 psi for sizes 4" through 24" and 250 psi for sizes 30" through 42". Restrained joint pipe shall be:
 - a. TR Flex as manufactured by US Pipe
 - b. Flex-Ring as manufactured by American Cast Iron Pipe Company
 - c. Or Equal as determined by Shelby County Water Services
- V. PEX Water Service Lines shall be manufactured using the high-pressure method of crosslinking. Pipe shall be certified to AWWA C 904 *Cross-linked Polyethylene (PEX) Pressure Pipe, 1/2 in. (12 mm) Through 3 in. (76 mm), for Water Service* by approved testing agency. In addition, pipe shall be certified to standards ASTM F876, CSA B137.5, NSF 14 and NSF 61, by approved testing agencies, with a standard materials designation code of 3306. Pipe shall demonstrate ability to satisfy the performance requirements of section F.7 of PPI TR-3 of PE materials in

order to apply a 0.63 design factor resulting in a temperature/pressure rating of 200 psi @ 73.4°F (1380 kPa @ 23°C). Pipe shall be rated for:

- a. 160 psi @ 73.4°F (1103 kPa @ 23°C)
- b. 100 psi @ 180°F (690 kPa @ 82°C) per PPI TR-4

Pipe shall have a co-extruded UV Shield made from UV-resistant high-density polyethylene, color Blue. Pipe shall have minimum recommended UV exposure time of one (1) year when tested in accordance with ASTM F2657, or as per manufacturer's recommendations. Pipe shall be compatible with cold-expansion compression-sleeve fittings certified to ASTM F2080 for installations as cold as -40°F (-40°C). Pipe shall be approved for use with AWWA C800 fittings when using manufacturer's recommended insert. Pipe shall be approved by manufacturer for use with manual plastic pipe squeeze-off tools for temporary stoppage of flow. Pipe shall be approved by manufacturer to be repaired using hot air, if kinked in the field. Pipe shall have the minimum markings: PEXa 3306, CSA B137.5, ASTM F876, F2023 and F2080, NSF-pw-g. Pipe shall carry the following markings every three (3) feet (0.9 meters): Manufacturer's name and trademark, nominal size, PEXa 3306 (material designation code) SDR9 (standard dimension ratio), POTABLE TUBING, AWWA C904, ASTM F876/ F2023 / F2080, CSA B137.5, NSF-pw-g, U.P. Code 160psi/73°F 100psi/180°F 200psi/73°F at 0.63 Design Factor, manufacturing date and footage mark. PEXa shall be:

- a. MUNICIPEX as manufactured by REHAU Construction, LLC.
- b. Or Approved Equal by Shelby County Water Services

VI. Meter Box and lid designed to support 20,000 lb. vertical loads, in accordance with ASSHTO loading process requirements, shall meet the following requirements.

- Meter boxes shall be produced using LLD Polyethylene regrind and virgin resins in a series of laminated walls using a 3-step ROTATIONAL MOLDING process.
- The outer wall will be formed against an aluminum mold and laminated to the porous (foamed) center wall, which shall be laminated to a smooth bright white interior wall.
- The combined wall thickness shall be ½ inch minimum.
- The meter box shall have an integral flat settling plate (flange) around the base, sufficient to prevent settling when installed in accordance with approved installation methods.
- The meter box shall meet the dimensions from the product listed as the standard of quality below.
- The meter box shall have a pipe cut out 4" in diameter.
- The meter box lid shall be made using injection molding process.

- The meter box lid shall be made with 100% virgin No-Break polymer for consistency in material and quality.
- The meter box lid material density shall be 0.935 to 0.941 g/cc.
- The meter box lid shall meet ADA slip restraint coefficient requirements.
- The meter box lid shall have a 2" thru hole and a recess for Badger transmitters.

The manufacturer and box type that will be standard of quality for this item is a Sigma RMB 132412-NSW (Box) and N1324BLKWAT-TS (Lid). Approved Equals will be determined by Shelby County Water Services based on this standard of quality.

- VII. Group 5 shall be a minimum discount percentage applied to the current list price from the proposed supplier submitted as part of the bid for the different categories listed in the bid items.