

ST. JOHN THE BAPTIST PARISH COUNCIL
BID FOR 2017 Warehouse Water & Sewer Fittings

BID FORM – to be completed and submitted with Bid prices

DELIVER TO:

ST. JOHN THE BAPTIST PARISH
PRESIDENT'S OFFICE RECEPTIONIST
1801 WEST AIRLINE HWY.
LAPLACE, LA. 70068
(985) 652-9569

ITEM: Water & Sewer Fittings

BID TIME: 2:45 PM

BID DATE: 10/18/16

OPENING:

ST. JOHN THE BAPTIST PARISH
OPERATIONS ROOM OF THE
EMERGENCY OPERATIONS CENTER
1801 WEST AIRLINE HWY.
LAPLACE, LA. 70068

OPENING TIME: 3:00 PM

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN WILL BE ACCEPTED. BIDS CONTAINING CORRECTIONS USING LIQUID PAPER OR CORRECTION TAPE OF ANY VARIETY WILL NOT BE CONSIDERED AND BID SHALL BE DISQUALIFIED.

GENERAL

All bids must be prepared on the bid form. Under no circumstances will any bid be accepted after the specified bid opening time. **ALL BIDS MUST BE IN A SEALED ENVELOPE DISPLAYING THE NAME AND ADDRESS OF THE BIDDER AND MARKED "BID FOR 2017 WATER & SEWER FITTINGS, MATERIALS & SUPPLIES" ON THE OUTSIDE OF THE ENVELOPE.**

SPECIFICATIONS/BIDDING

The following specifications have been prepared by our office setting forth those items deemed necessary by our personnel. Certain brand names and "or approved equal" are listed to indicate the minimum quality acceptable to the St. John the Baptist Parish Utilities & the St. John the Baptist Parish Wastewater Depts. They are not intended to be restrictive or discriminatory in any manner whatsoever. Any deviation from these specifications must be noted in writing along with this bid. Pipe and pipe fittings will be considered "lead free" when they contain not more than .25% lead.

If any item of equal quality is substituted, a Technical Specification of the item must be provided with the bid. Include brochures or other literature describing all required quality features.

The brand name and stock number of bid items must be listed on the bid form as indicated.

DO NOT INCLUDE LOUISIANA OR ST. JOHN THE BAPTIST PARISH SALES TAX IN THE BID PRICE.

AWARDING OF BID

The St. John the Baptist Parish Purchasing Office reserves the right to award all items to one bidder per section.

Bidders will total each section and award will be made to the lowest bidder meeting specifications and at the same time, best fulfilling the needs of the St. John the Baptist Parish Utilities & Wastewater Depts. The Purchasing Office will be the sole judge of equality of products and comparability to specifications.

The term of the contract shall be two (2) years, beginning January 1, 2017 and ending December 31, 2018 with a one year renewal option if agreeable to both parties in writing.

The St. John the Baptist Parish Purchasing Office reserves the right to select any part of the bid or the whole bid, as well as to reject any or all bids, and to waive any formalities when such action or waiver is in its best interest. Any such action will be in accordance with Title 38 of the Louisiana Revised Statutes.

The Purchasing Office reserves the right to seek additional bids for special projects beyond their normal operations.

ORDERS/DELIVERY

Order placement and order quantity will be determined by the St. John the Baptist Parish Purchasing Officer on a "when and as needed" basis. Price is to include freight.

Delivery on all items must be F.O.B. St. John the Baptist Parish Central warehouse within seven (7) days of order between the hours of 7:00am – 3:00pm Monday - Friday. Freight Prepaid. The Purchasing Office must be informed of any inability to deliver an order with that stated period. The Purchasing Office reserves the right to cancel and place order with another vendor if any order cannot be delivered as per the time agreed upon. Repeated inability to fill orders may result in cancellation of the order and/or disqualification of the bidder.

I hereby certify that the bid price(s) listed above and/or attached have been carefully checked and are submitted as correct and final.

Southern Pipe + Supply Landon Craft 10/18/16
NAME OF FIRM AUTHORIZED SIGNATURE DATE

59489 Camp Villere Rd. Landon Craft
ADDRESS TYPE OR PRINT NAME

Slidell, LA 70460 Branch Manager
CITY, STATE, ZIP CODE TITLE

985-644-2210 985-641-8505 Landon.Craft@SouthernPipe.com
PHONE FAX Email

BID ADVERTISEMENT:

www.centralbidding.com

www.sjbparish.com

L'Observateur:

September 28, 2016

October 5, 2016

October 12, 2016

CTS WATER SERVICE TUBING - BLACK

Section 1

Cts Water Service Tubing shall be PE 3408 Resin listed in PPI
TR4, MSF Standard 14 and NSF Standard 61, AWWA C901,
ASTM D 2737, Cell classification per ASTM D 3350 = 344564C.
All pressure ratings are a maximum PSI @ 74.4 degrees F.
Charter Plastics or Equal.

A. 3/4" PVC - per foot

B. 1" PVC - per foot

C. 2" PVC - per foot

Brand/ Stock No. _____

Delivery Time: _____

TOTAL SECTION 1

\$ _____

INSERTS FOR CTS WATER TUBING

Section 2

Tubing Inserts or Liners are made of stainless steel and are designed to be used on CTS Polyethylene (PE) tubing per ASTM D-2737 - SDR-9. Mueller or equal.

A. 3/4" Insert

B. 1" Insert

C. 2" Insert

1.42
1.52
5.18

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Total Section 2

\$ 8.12

AWWA C900 PVC WATER DISTRIBUTION PIPE
(DR18)CTS WATER SERVICE

Section 3

Water main distribution pipe shall be made in accordance with AWWA C900 from a compound conforming to a cell classification of 12454 as defined by ASTM D1784. Integral bells shall incorporate gaskets meeting the requirements of ASTM F477 and be locked into the bell. The assembled joint shall meet the requirements of ASTM D3139. The laying length of pipe shall be 20 feet. The pipe and gasket must be tested and approved for contact with potable water in accordance with ANSI/NSF 61. The pipe and gasket shall be listed by Underwriters Laboratory and approved by Factory Mutual.

- | | |
|-----------------|---------|
| A. 4" C900 PVC | \$_____ |
| B. 6" C900 PVC | \$_____ |
| C. 8" C900 PVC | \$_____ |
| D. 10" C900 PVC | \$_____ |
| E. 12" C900 PVC | \$_____ |

Brand/ Stock No. _____
Delivery Time: _____

TOTAL SECTION 3 **\$_____**

SECTION 4

ASTM D3034 Gravity Sewer Pipe (Solvent Weld)

Solvent weld PVC gravity sewer pipe shall be manufactured in accordance with ASTM D3034 for sizes 4" thru 12". The PVC material used shall conform to a cell classification of 12454 as defined by ASTM D 1784. The pipe's wall thickness, when tested according to ASTM D2122, shall correspond to a dimension ratio of DR 35 with a pipe stiffness value of 46 or DR 26 with a pipe stiffness of 115. The solvent cement socket dimensions shall conform to ASTM D3034. The laying length of the pipe shall be 10 feet.

4" SDR 35 PVC \$ _____

6" SDR 35 PVC \$ _____

8" SDR 35 PVC - Gasketed \$ _____

Brand/ Stock No. _____

Delivery Time: _____

Total Section 4 \$ _____

Section 5

Large Full Circle Clamps

The repair clamp shall be a single band complete circle stainless steel clamp preassembled with a gasket, bridge plate, lugs, nuts & bolts. The exterior band of the repair clamp shall be Type 304 (18-8) stainless steel per ASTM A240. Metal thickness to be determined by diameter. Styrene Butadiene Rubber (SBR) gaskets shall be vulcanized, molded or extruded, natural or synthetic rubber free from porous areas, foreign materials and visible defects. Reclaimed rubber shall not be used. Gaskets shall meet the requirements of ASTM D2000 to ensure superior storage characteristics, permanence and resistance to set. Suitable for Potable Water, Raw Water, Salt Solutions, Oils, Acids, Alkalies and most Hydrocarbon Fluids (aliphatic) and have a temperature range of 40F to +212F. The lugs shall be ductile iron as per ASTM A536, coated with epoxy paint. Lugs must be field removable. The bolts shall be Low Alloy steel bolts and nuts per ASTM A325 and A563 with a minimum 5/8" diameter bolts (nc thread). The nuts shall be heavy hexagon design and be lubricated to prevent seizing and galling. Markings and Packing shall be on the outside of the box, the sizing information of the repair clamp, type of bolting and gasket and the manufacturers name along the date of manufacture shall be evident. Powerseal 3121 or equal.

A.	1 1/2" x 8" Full Circle 1.88 - 2.15	\$ 41.10
B.	1 1/2" 12 1/2" Full Circle 1.88 - 1.92	\$ 54.83
C.	2" x 8" Full Circle 2.35 - 2.63	\$ 40.38
D.	2" x 8" Full Circle 2.70 - 3.00	\$ 43.58
E.	2" x 12" Full Circle 2.35 - 2.63	\$ 51.09
F.	2 1/2" x 8" Full Circle 2.70 - 3.00	\$ 33.00
G.	2 1/2" x 12" Full Circle 2.70 - 3.00	\$ 56.82
H.	3" x 7 1/2" Full Circle 3.73 - 4.13	\$ 37.00
I.	3" x 12" Full Circle 3.46 - 3.70	\$ 55.20
J.	3" x 12" Full Circle 3.73 - 4.00	\$ 65.10
K.	3" x 12" Full Circle 3.96 - 4.25	\$ 65.10
L.	3" x 12" Full Circle 4.00 - 4.45	\$
M.	3B" x 8" Full Circle 3.46 - 3.70	\$ 36.10
N.	3A" X 8" Full Circle 2.97 - 3.75	\$ 35.26

O. 4C" x 7 1/2" Full Circle 4.95 - 5.35
P. 4B" x 8" Full Circle 4.74 - 5.14
Q. 4D" x 8" Full Circle 5.22 - 5.62
R. 4A" x 12" Full Circle 4.45 - 4.73
S. 4B" x 12" Full Circle 4.74 - 5.14
T. 4" x 12" Full Circle 4.95 - 5.35
U. 4D" x 12" Full Circle 5.22 - 5.62
V. 4" x 15" Full Circle 4.47 - 5.57
W. 4B" x 16" Full Circle 4.74 - 5.14
X. 4" x 18" Full Circle 4.74 - 5.14
Y. 4" x 30" Full Circle 4.74 - 5.14
Z. 6" x 12" Full Circle 7.45 - 7.85
AA. 6" x 12" Full Circle 6.85 - 7.25
BB. 6" x 12" Full Circle 7.05 - 7.45
CC. 6" x 16" Full Circle 6.62 - 7.42
DD. 6" x 20" Full Circle 6.56 - 6.96
EE. 6" x 24" Full Circle 6.84 - 7.24
FF. 6" x 24" Full Circle 7.45 - 7.85
GG. 6" x 12" Full Circle 6.56 - 6.96
HH. 6" x 15" Full Circle 6.56 - 6.96
II. 6" x 15" Full Circle 7.05 - 7.45
JJ. 6" x 18" Full Circle 6.85 - 7.25
KK. 8" x 15" Full Circle 9.00 - 9.80
LL. 8" x 12" Full Circle 8.54 - 8.94
MM. 8" x 12" Full Circle 8.99 - 9.39
NN. 8" x 12" Full Circle 9.27 - 9.67
OO. 8" x 15" Full Circle 7.95 - 8.35

\$ 41.50
\$ 41.05
\$ 42.00
\$ 66.95
\$ 67.26
\$ 70.81
\$ 72.40
\$ _____
\$ 81.16
\$ 97.80
\$ 211.15
\$ 81.09
\$ 77.49
\$ 78.77
\$ 90.06
\$ 159.00
\$ 197.36
\$ 203.00
\$ 76.38
\$ 84.33
\$ 91.20
\$ 114.30
\$ 110.60
\$ 90.07
\$ 92.80
\$ 94.80
\$ 100.50

PP.	8" x 16" Full Circle 9.30 - 9.70	\$ <u>112.18</u>
QQ.	8" x 18" Full Circle 7.95 - 8.35	\$ <u>125.80</u>
RR.	8" x 18" Full Circle 8.99 - 9.39	\$ <u>136.18</u>
SS.	8" x 24" Full Circle 8.54 - 8.94	\$ <u>228.09</u>
TT.	8" x 25" Full Circle 8.99 - 9.79	\$ <u>227.24</u>
UU.	8" x 24" Full Circle 9.00 - 9.40	\$ <u>232.30</u>
VV.	8" x 24" Full Circle 9.27 - 9.67	\$ <u>232.26</u>
WW.	10" x 7" Full Circle 11.10 - 11.40	\$ <u>70.50</u>
XX.	10" x 12" Full Circle 9.27 - 9.67	\$ <u>94.85</u>
YY.	10A" x 12" Full Circle 9.70 - 10.10	\$ <u>105.20</u>
ZZ.	10" x 12" Full Circle 11.04 - 11.44	\$ <u>109.58</u>
AAA.	10" x 12" Full Circle 11.75 - 12.15	\$ <u>116.30</u>
BBB.	10" x 16" Full Circle 10.60 - 11.00	\$ <u>137.35</u>
CCC.	10" x 16" Full Circle 11.75 - 12.15	\$ <u>144.10</u>
DDD.	10" x 24" Full Circle 11.04 - 11.44	\$ <u>256.90</u>
EEE.	10" x 24" Full Circle 11.75 - 12.15	\$ <u>277.40</u>
FFF.	10" x 24" Full Circle 10.60 - 11.00	\$ <u>249.50</u>
GGG.	12" x 12" Full Circle 12.62 - 13.02	\$ <u>138.80</u>
HHH.	12" x 12" Full Circle 14.00 - 14.44	\$ <u>150.15</u>
III.	12" X 16" Full Circle 13.10 - 14.38	\$ <u>159.12</u>
JJJ.	12" x 24" Full Circle 13.10 - 13.50	\$ <u>303.90</u>
KKK.	12" x 24" Full Circle 13.40 - 13.80	\$ <u>310.90</u>
LLL.	12" x 24" Full Circle 14.00 - 14.40	\$ <u>325.80</u>
MMM.	12" x 12" Full Circle 14.20 - 14.60	\$ _____
NNN.	12" x 25" Full Circle 13.70 - 14.10	\$ <u>310.90</u>
OOO.	12" x 16" Full Circle 13.70 - 14.10	\$ <u>161.35</u>
PPP.	14" x 15" Full Circle 14.38 - 15.13	\$ _____
QQQ.	18A" x 24" Full Circle 17.82 - 18.57	\$ _____

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Large Full Circle Clamp with Tap

Specifications are the same as the Full Circle Clamp, these have a tap on them. Powerseal 3131 or equal.

- A. 4" x 12" x 3/4" CC Full Circle 4.75 - 5.15
- B. 6" x 12" x 3/4" CC Full Circle 7.05 - 7.45
- C. 6" x 12" x 3/4" CC Full Circle 6.85 - 7.25
- D. 6" x 12" x 3/4" CC Full Circle 6.56 - 6.96
- E. 8" x 12" x 3/4" CC Full Circle 8.99 - 9.39
- F. 8" x 12" x 3/4" CC Full Circle 9.27 - 9.67

\$ _____
\$ 101.30
\$ 101.30
\$ 98.90
\$ 115.30
\$ 121.17

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Full Circle Redi-Clamp

The Full Circle Redi Clamp shall have an 18-8 type 304 stainless steel band. The band shall be a minimum of 3" in width. The lugs shall be made of high strength ductile iron per ASTM A536 and have an epoxy coating. The 244 lugs shall be attached to the band by wrapping the end of the band around the lug base. The gasket cartridge shall be made of Nitrile (Buna N) specially compounded to resist water, oil, acids, alkalis, natural gas, most (aliphatic) hydrocarbon fluids, and many other chemicals. The temperature range of the gasket shall be -20 degrees F thru + 180 degrees F. The gasket shall be smooth with two 304 stainless steel recessed flush and bonded bridge plates. The gasket shall provide 360 degrees pipe surface coverage. The nuts and bolts shall be carbon steel per ASTM A304 and electro-galvanized with a di-chromate finish. The washers shall be mild steel per AISI C1010-1020 and electro-galvanized with a di-chromate seal. This clamp shall be Smith Blair 244 or equal.

- A. 3/4" X 3" Full Circle
- B. 3/4" x 6" Full Circle
- C. 3/4" x 12" Full Circle
- D. 1" x 3" Full Circle

\$ 4.44
\$ 8.20
\$ 17.54
\$ 4.80

E.	1" x 6" Full Circle	\$ <u>8.75</u>
F.	1" x 12" Full Circle	\$ <u>19.15</u>
G.	1 1/4" x 3" Full Circle	\$ <u>4.98</u>
H.	1 1/4" x 6" Full Circle	\$ <u>9.20</u>
I.	1 1/4" x 12" Full Circle	\$ <u>19.75</u>
J.	1 1/2" x 3" Full Circle	\$ <u>5.34</u>
K.	1 1/2" x 6" Full Circle	\$ <u>10.08</u>
L.	1 1/2" x 12" Full Circle	\$ <u>21.16</u>
M.	2" x 3" Full Circle	\$ <u>5.85</u>
N.	2" x 6" Full Circle	\$ <u>10.46</u>
O.	2" x 12" Full Circle	\$ <u>21.30</u>

Brand/ Stock No. Mreller
 Delivery Time: 7 Days

Half Circle Redi Clamp

The Redi Clamp shall have an 18-8 type 304 stainless steel band. The band shall be a minimum of 3" in width. The lugs shall be made of high strength ductile iron per ASTM A536 and have an epoxy coating. The lugs shall be attached to the band by wrapping the end of the band around the lugs base. The gasket shall be Nitrile (Buna N) specially compounded to resist water, oil, acids, alkalies, natural gas, most (aliphatic) hydrocarbon fluids, and many other chemicals. The temperature range shall be -20 degrees F thru +180 degrees F. The gasket shall have a gridded pattern (or smooth) and be 1/8" (or 1/4") thick. The nuts and bolts shall be carbon steel per ASTM A304 and electro-galvanized with a dichromate finish. The washers shall be mild steel per AISI C1010-1020 and electro-galvanized with a dichromate seal. The clamp shall be Smith Blair 245 or equal.

A.	3/4" x 3" Half Circle	\$ <u>4.44</u>
B.	3/4" x 6" Half Circle	\$ <u>8.27</u>
C.	3/4" x 12" Half Circle	\$ <u>17.54</u>

- | | | |
|----|--------------------------|----------|
| D. | 1" x 3" Half Circle | \$ _____ |
| E. | 1" x 6" Half Circle | \$ _____ |
| F. | 1" x 12" Half Circle | \$ _____ |
| G. | 1 1/4" x 3" Half Circle | \$ _____ |
| H. | 1 1/4" x 6" Half Circle | \$ _____ |
| I. | 1 1/4" x 12" Half Circle | \$ _____ |
| J. | 1 1/2" x 3" Half Circle | \$ _____ |
| K. | 1 1/2" x 6" Half Circle | \$ _____ |
| L. | 1 1/2" x 12" Half Circle | \$ _____ |
| M. | 2" x 3" Half Circle | \$ _____ |
| N. | 2" x 6" Half Circle | \$ _____ |
| O. | 2" x 12" Half Circle | \$ _____ |

Brand Stock No. Mueller

Delivery Time: 7 Days

Socket Clamps

For use in preventing underground pipe joints from separating. Designed for use on ductile iron pipe. All Socket Clamps include two steel half clamps, two bolts and nuts and two cast iron washers. Used with all- thread rod and Trumbull tie-lugs or tie-bolts for joint resistant.

- | | | |
|----|------------------|----------|
| A. | 4" Socket Clamp | \$ _____ |
| B. | 6" Socket Clamp | \$ _____ |
| C. | 8" Socket Clamp | \$ _____ |
| D. | 10" Socket Clamp | \$ _____ |
| E. | 12" Socket Clamp | \$ _____ |

Brand Stock No. _____

Delivery Time: _____

Total Section 5 \$ _____

Transition Couplings

Section 6

The Transition Couplings shall be Hymax, Marco or equal.

- A. 4" Transition Coupling AC Pipe to C-900 pipe with 6" or 8" center ring \$ 132.61
- B. 6" Transition Coupling AC Pipe to C-900 pipe with 8" center ring \$ 175.61
- C. 8" Transition Coupling AC Pipe to C-900 pipe with 8" center ring \$ 198.23
- D. 10" Transition Coupling AC Pipe to C-900 pipe with 8" center ring \$ 255.66
- E. 12" Transition Coupling AC Pipe to C-900 pipe with 8" center ring \$ 304.21

Brand/ Stock No. Krausz/Hymax

Delivery Time: 7 Day 5

Total Section 6

\$ 1065.72

Steel Couplings

Section 7

The coupling shall have a steel sleeve made of carbon steel with a minimum yield of 30,000 PSI. The flanges shall be made of ductile iron per ASTM A536. The coupling shall have nuts and bolts made of carbon steel ASTM A307 and be electro galvanized with di-chromate seal. Smith Blair 411 or equal.

- | | |
|--------------------------------|----------|
| A 3/4" Blue Dresser Coupling | \$ _____ |
| B 1" Blue Dresser Coupling | \$ _____ |
| C 1 1/4" Blue Dresser Coupling | \$ _____ |
| D 1 1/2" Blue Dresser Coupling | \$ _____ |
| E 2" Blue Dresser Coupling | \$ _____ |

Brand/ Stock No. _____

Delivery Time: _____

Total Section 7 \$ _____

KWICK Flange (E-Z Flange) DI Flange Adapter

Section 8

Flange adapters shall be used in lieu of threaded to welded flanges on plain end ductile and steel pipe. The restraints shall be manufactured of ductile iron conforming to ASTM A536. The restraint devices shall be fusion bond epoxy coated. The bolt circles and bolt holes shall conform to ANSI/AWWA C110/A21.10. The flange adapter shall have a minimum working pressure rating of 100-250 PSI depending on size. Kwik Flange shall be EBAA Iron or equal.

A	4" Kwik Flange	\$ _____
B	6" Kwik Flange	\$ _____
C	8" Kwik Flange	\$ _____
D	10" Kwik Flange	\$ _____
E	12" Kwik Flange	\$ _____

Brand/ Stock No. _____

Delivery Time: _____

Total Section 8 \$ _____

Mechanical Joint Restraint for AWWA PVC Pipe (Mega Lugs)

Section 9

The restraint shall conform to the following; restraint devices for nominal pipe sizes 3 inch through 36 inch shall consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements if ANSI/AWWA C110/A21.10. The devices shall have a working pressure rating equal to that of the pipe on which it is used. Ratings are for water pressure and must include a minimum safety factor of 2:1 in all sizes. Gland body, wedges and wedge actuating components shall be cast from grade 65-45-12 ductile iron material in accordance with ASTM A536. Ductile iron gripping wedges shall be heat treated with a range of 370 to 470 BHN. Three(3) test bars shall be incrementally poured per production shift as per Underwriter's Laboratory Specifications and ASTM A536.

A 4" Mega Lug F/IPS C900	\$ <u>22.61</u>
B 6" Mega Lug F/IPS C900	\$ <u>27.35</u>
C 8" Mega Lug F/IPS C900	\$ <u>40.93</u>
D 10" Mega Lugs F/IPS C900	\$ <u>77.22</u>
E 12" Mega Lugs F/IPS C900	\$ <u>80.77</u>

Brand/ Stock No. Ebba

Delivery Time: 7 Days

Total Section 9

\$ 248.88

Restrainer - Uni-Flange

Section 10

Restrainer Devices for PVC Pipe shall incorporate a series of serrations on the inside diameter to provide positive restraint, exact fit, 360 degrees contact and support of the pipe wall.

Restrainer Devices shall be manufactured of high strength ductile iron, ASTM A536, Grade 65-45-12 to ASTM A36 structural steel. Bolts and connecting hardware shall be of high strength low alloy material in accordance with ANSI/AWWA C111/A21.11. All Restrainer Devices for PVC Pipe shall have a water working pressure rating equivalent to the full rated pressure of the PVC Pipe on which they are installed, with a minimum 2"1 safety factor in any nominal pipe size. In addition, they shall meet or exceed the requirements of UNI-13 94. Recommended performance specification for joint restraint devices for use with polyvinyl chloride (PVC) pipe. The restrainer (Uni-Flange) shall be Ford 1300 series or equal.

A	4" Restrainer C900	\$ _____
B	6" Restrainer C900	\$ _____
C	8" Restrainer C900	\$ _____
D	10" Restrainer C900	\$ _____
E	12" Restrainer C900	\$ _____

Brand/ Stock No. _____

Delivery Time: _____

Total Section 10 \$ _____

"SST" Stainless Steel Tapping Sleeve**Section 11**

Shell and Lugs: Stainless steel per ASTM A240, type 304 and type 304L. Bolts: 5/8" UNC rolled thread, stainless steel per ASTM A 193, type 304. 4" nominal pipe size has 1/2" bolts. Nuts: Heavy hex, stainless steel per ASTM A 194, type 304, coated to prevent galling. Washers: Stainless steel per ASTM A240, type 304 and plastic lubricating washer. Gaskets: SBR per ASTM D 2000 MAA 610, compound for water and sewer service. Other compounds available on request. MJ Bolts & Nuts: 3/4" UNC T-Bolts, heavy hex nuts, high strength low alloy steel per AWWA C111. Tapping Sleeve shall be Romac SST or equal.

A	4" x 4" Tapping Sleeve	4.95 - 5.25	\$ <u>360.19</u>
B	4" x 4" Tapping Sleeve	4.70 - 4.90	\$ <u>360.19</u>
C	6" x 4" Tapping Sleeve	6.59 - 6.99	\$ <u>375.38</u>
D	6" x 4" Tapping Sleeve	6.84 - 7.30	\$ <u>375.38</u>
E	6" X 4" Tapping Sleeve	7.10 - 7.50	\$ <u>375.38</u>
F	6" x 6" Tapping Sleeve	6.84 - 7.30	\$ <u>428.08</u>
G	6" x 6" Tapping Sleeve	7.10 - 7.50	\$ <u>428.08</u>
H	8" x 4" Tapping Sleeve	8.62 - 9.06	\$ <u>388.67</u>
I	8" x 4" Tapping Sleeve	9.04 - 9.45	\$ <u>388.67</u>
J	8" X 6" Tapping Sleeve	8.62 - 9.06	\$ <u>432.26</u>
K	8" X 6" Tapping Sleeve	9.04 - 9.45	\$ <u>432.26</u>
L	8" X 6" Tapping Sleeve	9.20 - 9.60	\$ <u>432.26</u>
M	8" x 8" Tapping Sleeve	9.04 - 9.45	\$ <u>537.02</u>
N	10" x 6" Tapping Sleeve	11.80 - 12.20	\$ <u>458.42</u>
O	12" x 4" Tapping Sleeve	14.03 - 14.38	\$ <u>499.38</u>
P	12" x 6" Tapping Sleeve	13.16 - 13.56	\$ <u>549.43</u>
Q	12" x 6" Tapping Sleeve	13.98 - 14.38	\$ <u>549.43</u>
R	12" x 8" Tapping Sleeve	12.90 - 13.30	\$ <u>664.32</u>

Brand/ Stock No. RomacDelivery Time: 7 Days**Total Section 11** \$ 8034.80

Section 12

Double Strap Service Saddles

The Double Strap Service Saddle utilize the heavy duty double strap saddle body with corrosion resistant shop coat primer. The saddle is furnished with two electro galvanized straps sizes 2" - 12", on sizes 15.20 and larger. The Saddle shall be JCM 402 or equal.

A	2" x 3/4" CC Saddle	\$ <u>15.85</u>
B	2" x 3/4" IPS Saddle	\$ <u>15.85</u>
C	4" x 3/4" CC Saddle 4.74 - 5.63	\$ <u>28.27</u>
D	4" x 3/4" IPS Saddle	\$ <u>28.27</u>
E	4" x 1" CC Saddle	\$ <u>28.27</u>
F	4" x 2" CC Saddle	\$ <u>28.27</u>
G	6" x 3/4" CC Saddle 6.90 - 7.45	\$ <u>27.39</u>
H	6" x 3/4" IPS Saddle	\$ <u>27.39</u>
I	6" x 1" CC Saddle 6.84 - 7.60	\$ <u>27.39</u>
J	6" x 1" IPS Saddle 6.84 - 7.60	\$ <u>27.39</u>
K	6" x 2" CC Saddle	\$ <u>33.77</u>
L	6" x 2" IPS Saddle 6.90 - 7.45	\$ <u>33.77</u>
M	8" x 3/4" CC Saddle 8.54 - 10.10	\$ <u>29.91</u>
N	8" x 3/4" IPS Saddle	\$ <u>29.91</u>
O	8" x 1" CC Saddle 8.54 - 10.10	\$ <u>29.91</u>
P	8" x 2" CC Saddle 9.05 - 9.63	\$ <u>37.31</u>
Q	8" x 2" IPS Saddle 8.54 - 10.10	\$ <u>37.31</u>
R	10" x 3/4" CC Saddle 10.64 - 12.12	\$ <u>38.66</u>
S	10" x 3/4" IPS Saddle	\$ <u>38.66</u>
T	10" x 1" CC Saddle 11.10 - 11.40	\$ <u>38.66.</u>

U	10" x 2" CC Saddle	\$ <u>49.20</u>
V	10" x 2" IPS Saddle 11.10 - 11.90	\$ <u>49.20</u>
W	12" x 3/4" CC Saddle 12.62 - 14.32	\$ <u>46.36</u>
X	12" x 1" CC Saddle 12.62 - 14.32	\$ <u>46.36</u>
Y	12" x 2" CC Saddle	\$ <u>59.01</u>
Z	12" x 2" IPS Saddle 12.62 - 14.32	\$ <u>59.01</u>
AA	12" x 4" IPS Saddle 13.20	\$ _____
BB	18" x 3/4" CC Saddle 19.70 - 20.50	\$ _____
CC	18" x 3/4" IPS Saddle 19.70 - 20.50	\$ _____

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Saddles

Body Castings: Waterworks Bronze (85-5-5-5) per ASTM B 585 and AWWA C800. **Fasteners:** Silicon Bronze per ASTM B98. **Gasket:** Patented SBR Twin Seal dual O-ring design incorporating both hydrostatic & mechanical forces to affect a dynamic seal.

A.	1 1/2" x 3/4" IPS Saddle	\$ _____
B.	2" Brass Water Saddle w/3/4" tap	\$ <u>15.29</u>
C.	4" Brass Water Saddle w/3/4" tap	\$ <u>25.92</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Corporation Stops

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A	3/4" Brass Corp. Stop CC	\$ <u>22.75</u>
B	3/4" Brass Corp. Stop IP	\$ <u>22.75</u>
C	1" Brass Corp. Stop CC	\$ <u>34.45</u>
D	1" Brass Corp. Stop IP	\$ <u>34.45</u>
E	2" Brass Corp. Stop CC	\$ <u>232.06</u>
F	2" Brass Corp. Stop IP	\$ <u>232.06</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Ball Curb Valve

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A	3/4" Ball Curb Valve - Meter Nut x Comp.	\$ <u>31.69</u>
B	1" Ball Curb Valve - Meter Nut x Comp.	\$ <u>58.33</u>
C	2" Ball Curb Valve - Meter Nut x Comp.	\$ <u>218.74</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Service Fittings

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

Brass Adapters

A	3/4" Brass Male Adapter	\$ <u>10.53</u>
B	3/4" Brass Female Adapter	\$ <u>11.16</u>
C	1" Brass Male Adapter	\$ <u>12.31</u>
D	1" Brass Female Adapter	\$ <u>15.96</u>
E	1" x 3/4" Brass Male Adapter	\$ <u>11.34</u>
F	1" x 3/4" Brass Female Adapter	\$ <u>13.04</u>
G	1 1/2" Brass Male Adapter	\$ <u>34.04</u>
H	1 1/2" Brass Female Adapter	\$ <u>43.53</u>
I	2" Brass Male Adapter	\$ <u>49.67</u>
J	2" Brass Female Adapter	\$ <u>51.87</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Unions

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A	3/4" Brass Union	\$ <u>12.70</u>
B	3/4" Brass Union IP x CTS	\$ <u>28.88</u>

C	1" x 3/4" Brass Union	\$ <u>14.02</u>
D	1" Brass Union	\$ <u>13.86</u>
E	1" Brass Union IP x CTS	\$ <u>35.82</u>
F	2" Brass Union	\$ <u>66.04</u>
G	1" x 3/4" Brass Wye	\$ <u>25.01</u>
H	3/4" Compression Nut	\$ <u>2.88</u>
I	1" Compression Nut	\$ <u>5.15</u>
J	3/4" Brass Cap	\$ <u>15.42</u>
K	1" Brass Cap	\$ <u>20.53</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Tee

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A	3/4" Brass Tee	\$ <u>29.24</u>
B	1" Brass Tee	\$ <u>40.52</u>
C	1" x 3/4" Brass Tee	\$ <u>34.76</u>

Brand/ Stock No. Mueller

Delivery Time: 7 Days

In- Line Check Valve (Meter Check Valve)

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A. 5/8" x 3/4" Meter Check Valve

\$ 30.91

B. 1" Meter Check Valve

\$ 48.10

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Total Section 12 \$

SECTION 13

Insta-tite Connection Fittings

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A 3/4" Brass Stab Nut

\$ 12.10

B 1" Brass Stab Nut

\$ 17.74

C 3/4" Brass Stab Union

\$ 12.92

D 1" Brass Stab Union

\$ 14.83

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Hydrosert Mechanical Couplings

Hydrosert fittings comply with requirements of AWWA C901 and are NSF listed. Hydrosert fittings are pressure rated to the design pressure of the PE piping to be connected, up to 200 PSIG. Specifications - Body: Polyethylene HDPE (PE3408/PE4710), NSF & PPI listed. Collet Support Ring: Stainless Steel (400 series). Gripping Collet: Acetal (POM). Thrust Washer: Polyethylene (PE). O-Rings: EPDEM, NSF listed. Spacer Retainer Ring: Acetal (POM). Insert Stiffener: Polysulfone.

A 3/4" CTS Hydrosert Mechanical Coupling

\$ _____

B 1" CTS Hydrosert Mechanical Coupling

\$ _____

Brand/ Stock No. _____

Delivery Time: _____

Straight Meter Coupling

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A 3/4" Brass Meter Coupling

\$ 6.32

B 1" Brass Meter Coupling

\$ 9.72

C 2" Brass Meter Coupling

\$ 41.61

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Coupling (1/4 bend) (90 bend)

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Mueller or equal.

A 3/4" Brass Coupling (1/4 bend) (90 bend)

\$ 15.62

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Brass Expansion Connection

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved. Ford or equal.

A 3/4" Brass Expansion Connection

\$ 13.46

B 1" Brass Expansion Connection

\$ 24.06

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Total Section 13

\$

Fire Hydrant Parts

Section 14

Parts for Mueller * 5 1/4" Fire Hydrant 3'6" bury

AA	A423 Mueller 5 1/4" Fire Hydrant 3'6" Bury	\$_____
B	A-1 Mueller Operating Nut	\$_____
C	A-3 Mueller Hold Down Nut O-ring	\$_____
D	A-11 Mueller Upper Stem	\$_____
E	A-14 Mueller 4 1/2" Pumper Nozzle	\$_____
F	A-15 Mueller Pumper Nozzle Gasket	\$_____
G	A-16 Mueller Pumper Nozzle O-Ring	\$_____
H	A-17 Mueller Pumper Nozzle Cap	\$_____
I	A-19 Mueller Hose Nozzle Gasket	\$_____
J	A-20 Mueller Hose Nozzle O-Ring	\$_____
K	A-21 Mueller 2 1/2" Hose Nozzle Cap	\$_____
L	A-22 & A-23 Mueller Chain & Ring	\$_____
M	24" Mueller Fire Hydrant Extension	\$_____
N	A-25 Mueller Safety Coupling	\$_____
O	A-26 Mueller Safety Flange Bolt & Nut	\$_____
P	A-28 Mueller Safety Flange	\$_____
Q	A-30 Clevis Pin	\$_____
R	A-33 Mueller Stem Pin	\$_____
S	A-34 Mueller Drain Valve Facing	\$_____
T	A-39 Mueller Seat Ring Top O-Ring	\$_____
U	A-40 Mueller Drain Ring Housing	\$_____
V	A-42 Mueller Drain Ring	\$_____
W	A-43 Mueller Seat Ring	\$_____
X	A-44 Mueller Seat Ring Bottom O-Ring	\$_____
Y	A-45 Mueller 5 1/4" Main Valve	\$_____

Z	A-51 Mueller Hydrant Lubricating Oil 10.5 oz.	\$ _____
AA	12" Mueller Fire Hydrant Extension	\$ _____
BB	Mueller Fire Hydrant Parts Kit for 5 1/4" Hydrant	\$ _____
CC	A-301 Mueller Safety Flange Repair Kit for 5 1/4" Hydrant	\$ _____

Delivery Time: _____

Total Section 14 \$ _____

Parts for CLOW Fire Hydrant**Section 15**

A	Clow Safety Stem Coupling	\$_____
B	Clow 2 1/2" Hose Nozzle	\$_____
C	Clow Hold Down Nut	\$_____
D	Clow Operating Nut	\$_____
E	Clow Seat Ring Lower O-Ring	\$_____
F	Clow Weather Shield	\$_____

Delivery Time: _____

Total Section 15 \$_____

Parts for M & H Fire Hydrant**Section 16**

A	M & H Safety Stem Coupling	\$ _____
B	M & H 2 1/2" Hose Nozzle	\$ _____
C	M & H Hold Down Nut	\$ _____
D	M & H Operating Nut	\$ _____
E	M & H Seat Ring Lower O-Ring	\$ _____
F	M & H Weather Shield	\$ _____

Delivery Time: _____

Total Section 16 \$ _____

Wrench Nuts for Valves Section 17

- | | |
|-----------------------------------|----------|
| A Wrench Nut for 4" Valves | \$ _____ |
| B Wrench Nut for 6" & 8" Valves | \$ _____ |
| C Wrench Nut for 10" & 12" Valves | \$ _____ |

Brand/ Stock No. _____

Delivery Time: _____

Total Section 17	\$ _____
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Section 18

A/C Common Groove Transition Gaskets

(for CI and IPS pipe)

Gasket: SBR per ASTM D 2000 MBA 710, compounded for water and sewer service. The gasket is designed to be used in cast iron fittings with an A/C common groove, or asbestos-cement coupling for adapting to C900 PVC or ductile iron pipe. Romac or equal

A	4" AC x CI Gasket	\$ <u>7.10</u>
B	6" AC x CI Gasket	\$ <u>8.75</u>
C	8" AC x CI Gasket	\$ <u>10.35</u>
D	10" AC x CI Gasket	\$ <u>14.55</u>
E	12" AC x CI Gasket	\$ <u>18.70</u>
F	8RR 1/8 FF 150# Gasket	\$ _____

Brand/ Stock No. Romac

Delivery Time: 7 Days

Full Face Red Rubber Gaskets

The gasket is made of Styrene Butadiene-Buna S - GRS. Color is Red. Heat resistant - Operating temperature: 20 - +170 degrees Fahrenheit. Gasket is used for hot, cold, air and stream (not exceeding 100 PSI).

A	3" Full Face Red Rubber Gasket	\$ _____
B	4" Full Face Red Rubber Gasket	\$ _____
C	6" Full Face Red Rubber Gasket	\$ _____
D	8" Full Face Red Rubber Gasket	\$ _____
E	10" Full Face Red Rubber Gasket	\$ _____
F	12" Full Face Red Rubber Gasket	\$ _____

G 14" Full Face Red Rubber Gasket

\$ _____

H 16" Full Face Red Rubber Gasket

\$ _____

I 24" Full Face Red Rubber Gasket

\$ _____

J 3' x 60' Red Rubber Gasket Material (roll)

\$ _____

Brand/ Stock No. _____

Delivery Time: _____

Total Section 18

\$ _____

65 Air Release Valve - Apco**Section 19**

The air release valve shall have a 3/4" NPT inlet and a 1/2" NPT outlet and a 1/2" NPT accessory connection with a removable plug for future mounting of a test gauge or test cock. The needle shall be brass, positively guided into the seat orifice for tight shut-off. The seat shall be brass with a Buna-N insert and a minimum 1/8" orifice for 150 psi working pressure and 300 psi shell test. The brass seat shall be slotted and be removable and replaceable without dismantling the main valve. The air release valve must have a stainless steel float designed to withstand a pressure of 1000 psi (static). AP

A 3/4" Air Release Valve

\$ 315.62

Brand/ Stock No. Apco

Delivery Time: 7 Days

Total Section 19

\$ 315.62

Resilient Wedge Gate Valve

Section 20

The valve should have three O-Ring seals plus dirt seal, two above thrust collar and one below, retain lubricant in the critical area. Top two are replaceable with valve fully open and under pressure. Fourth seal at top serves as dirt seal. Two anti-friction washers with lubrication made of polymer, one above and one below the thrust collar, reduce operating torque to open or close valve. The stem is forged manganese bronze stock is upset, then machined to form a thrust collar for superior strength in this critical area. The wedge is cast iron, fully encapsulated in molded rubber - no exposed iron. The extended wedge guides are molded as part of wedge, ride inside body channels to maintain wedge alignment throughout its travel. The guide cap bearings are made of polymer and snapped over rubber covered wedge guides. Smooth, oversized flow way is full round, unobstructed flow way accommodates full size cutters, provides superior flow characteristics and reduces pumping cost. The valve should have fusion epoxy coating, 10 mils thick to protect all inside and outside iron surfaces, and complies with AWWA C550 and Certified to ANSI/NSF 61. The working pressure should be 250 PSIG Maximum working pressure, hydrostatically tested at 500 psig. Surpasses ANSI/AWWA standard C509 by 25%. UL/FM: 200 psig MWP. The valve should be Bi-Directional Flow, have flat bottom surface to stand upright for easier handling and storage. The valve should have at least a ten year warranty. Mueller 2360 series or equal.

- A 3" Gate Valve - Flg. X Flg.
- B 4" Gate Valve - Flg. X Flg.
- C 6" Gate Valve - Flg. X Flg.
- D 8" Gate Valve - Flg. X Flg.
- E 10" Gate Valve - Flg. X Flg.
- F 12" Gate Valve - Flg. X Flg.
- G 4" Gate Valve - MJ x MJ
- H 6" Gate Valve - MJ x MJ
- I 8" Gate Valve - MJ x MJ
- J 10" Gate Valve - MJ x MJ

\$ 356.⁸³
\$ 398.⁷⁵
\$ 533.⁰⁴
\$ 832.⁹⁷
\$ 1323.⁹⁵
\$ 1597.⁹¹
\$ 402.⁰⁸
\$ 513.⁵⁴
\$ 817.⁷⁰
\$ 1273.⁹⁵

K 12" Gate Valve - MJ x MJ

\$ 1612.50

L 4" Gate Valve - MJ x Flg.

\$ 382.29

M 6" Gate Valve - MJ x Flg.

\$ 512.50

N 8" Gate Valve - MJ x Flg.

\$ 802.08

O 10" Gate Valve - MJ x Flg.

\$ 1273.95

P 12" Gate Valve - MJ x Flg.

\$ 1532.29

Brand/ Stock No. US Hydrants

Delivery Time: 7 Days

Total Section 20

\$ 14,166.33

MJ and Flanged Fittings

Section 21

Mechanical Joint water main fittings with accessories, 3" through 48" shall be manufactured from Ductile Iron in accordance with and meet all applicable terms and provisions of standards ANSI/AWWA C153/A21.53 ANSI/AWWA C111/A21.11 (current revisions). Ductile Iron Mechanical Joint Fittings 3" through 24" shall be rated for 350 PSI working pressure. 30" through 48" shall be rated for 250 PSI working pressure. All coated fittings meet requirements of NSF-61. Flanged fittings shall be faced and drilled in accordance with ANSI Class 125 B16.1. All Ductile iron flange fittings shall be rated for water pressure of 250 PSI. Flange ductile iron fittings in 24" (610mm) and smaller sizes may be rated for 350 PSI with use of special gaskets. Fittings are cement lined and seal coated in accordance with ANSI/AWWA C104/A21.4, also available prime coated, bare or epoxy coated. All coated fittings meet requirements of NSF-61. Interiors shall be lined and seal coated in accordance with ANSI/AWWA C104/A21.04, Cement Lining for Ductile Iron Pipe and Fittings for Water.

A	4" MJ x FLG Adapter	\$ <u>21.87</u>
B	6" MJ x FLG Adapter	\$ <u>30.31</u>
C	8" MJ x FLG Adapter	\$ <u>45.93</u>
D	6" MJ Cap	\$ <u>15.00</u>
E	8" MJ Cap	\$ <u>25.00</u>
F	6" MJ 22 Elbow	\$ <u>28.12</u>
G	4" MJ 45 Elbow	\$ <u>19.06</u>
H	6" MJ 45 Elbow	\$ <u>30.62</u>
I	8" MJ 45 Elbow	\$ <u>44.68</u>
J	4" MJ 90 Elbow	\$ <u>23.12</u>
K	6" MJ 90 Elbow	\$ <u>37.81</u>
L	8" MJ 90 Elbow	\$ <u>55.00</u>

M	12" MJ x FLG 90 Elbow	\$ <u>191.87</u>
N	6" x 6" FLG 90 Elbow	\$ <u>66.25</u>
O	4" MJ Retainer Gland	\$ <u>3.12</u>
P	6" MJ Retainer Gland	\$ <u>3.75</u>
Q	8" MJ Retainer Gland	\$ <u>4.68</u>
R	10" MJ Retainer Gland	\$ <u>7.50</u>
S	12" MJ Retainer Gland	\$ <u>7.81</u>
T	6" Split Swivel Gland	\$ <u>14.68</u>
U	4" MJ Plug	\$ <u>10.31</u>
V	6" MJ Plug	\$ <u>20.00</u>
W	8" MJ Plug	\$ <u>30.00</u>
X	10" MJ Plug	\$ <u>52.81</u>
Y	12" MJ Plug	\$ <u>51.87</u>
Z	6" x 2" MJ Tap Plug	\$ <u>29.06</u>
AA	8" x 6" MJ Reducer	\$ <u>31.87</u>
BB	4" MJ x MJ Sleeve	\$ <u>14.37</u>
CC	6" x 6" MJ Sleeve	\$ <u>25.62</u>
DD	6" x 12" MJ Sleeve	\$ <u>34.06</u>
EE	8" x 12" MJ Sleeve	\$ <u>55.93</u>
FF	10" x 12" MJ Sleeve	\$ <u>66.56</u>
GG	12" x 12" MJ Sleeve	\$ <u>90.00</u>
HH	6" MJ Tee	\$ <u>54.68</u>
II	6" x 4" MJ Tee	\$ <u>50.93</u>
JJ	8" x 6" MJ Tee	\$ <u>68.12</u>
KK	4" x 12" FLG X FLG Spool Piece	\$ <u>90.46</u>
LL	2" MJ Gasket	\$ <u>1.25</u>
MM	3" MJ Gasket	\$ <u>1.56</u>
NN	4" MJ Gasket	\$ <u>1.56</u>

OO	6" MJ Gasket	\$ <u>1.56</u>
PP	8" MJ Gasket	\$ <u>1.87</u>
QQ	10" MJ Gasket	\$ <u>2.50</u>
RR	12" MJ Gasket	\$ <u>3.12</u>
SS	14" MJ Gasket	\$ <u>5.31</u>
TT	6" x 13" Anchor Coupling	\$ <u>62.50</u>
UU	6" x 18" Anchor Coupling	\$ <u>68.48</u>
VV	6" x 24" Anchor Coupling	\$ <u>92.81</u>
WW	6" x 36" Anchor Coupling	\$ <u>117.81</u>
XX	6" x 48" Anchor Coupling	\$ <u>155.⁰⁰</u>
YY	4" Blind Flange	\$ <u>19.68</u>
ZZ	6" Blind Flange	\$ <u>30.⁰⁰</u>
AAA	8" Blind Flange	\$ <u>50.83</u>
BBB	10" Blind Flange	\$ <u>75.62</u>
CCC	12" Blind Flange	\$ <u>101.87</u>
DDD	1 1/2" Iron Meter Flange Kit	\$ <u>18.92</u>
EEE	2" Iron Meter Flange Kit	\$ <u>24.⁰⁰</u>

Brand/ Stock No. Star

Delivery Time: 7 Days

Total Section 21

\$ 2,289.⁰⁸

Section 22

Brass Nipples

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved.

A	1/2" x Close Brass Nipple	\$ <u>.88</u>
B	1/2" x 2" Brass Nipple	\$ <u>1.26</u>
C	1/2" x 3" Brass Nipple	\$ <u>1.76</u>
D	1/2" x 4" Brass Nipple	\$ <u>2.30</u>
E	1/2" x 4 1/2" Brass Nipple	\$ <u>2.51</u>
F	1/2" x 5" Brass Nipple	\$ <u>2.77</u>
G	1/2" x 6" Brass Nipple	\$ <u>3.27</u>
H	3/4" x Close Brass Nipple	\$ <u>1.34</u>
I	3/4" x 1 1/2" Brass Nipple	\$ <u>1.43</u>
J	3/4" x 2" Brass Nipple	\$ <u>1.69</u>
K	3/4" x 3" Brass Nipple	\$ <u>2.26</u>
L	3/4" x 4" Brass Nipple	\$ <u>2.94</u>
M	3/4" x 5" Brass Nipple	\$ <u>3.54</u>
N	3/4" x 6" Brass Nipple	\$ <u>4.36</u>
O	1" x Close Brass Nipple	\$ <u>1.97</u>
P	2" x Close Brass Nipple	\$ <u>5.90</u>
Q	2" x 3" Brass Nipple	\$ <u>7.36</u>
R	2" x 6" Brass Nipple	\$ <u>14.21</u>
S	2" x 8" Brass Nipple	\$ <u>18.95</u>
T	2" x 12" Brass Nipple	\$ <u>28.00</u>

Brand/ Stock No. JMF

Delivery Time: 7 Days

Brass Fittings

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not listed in ANSI/AWWA C800 are not approved.

A	1/2" Brass 45 Elbow	\$ <u>2.34</u>
B	3/4" Brass 45 Elbow	\$ <u>3.40</u>
C	1/2" Brass Hose Bibb Faucet	\$ <u>6.03</u>
D	3/4" Brass Hose Bibb Faucet	\$ <u>6.28</u>
E	3/4" x 1/2" Brass Reducer	\$ <u>1.52</u>
F	1/2" Brass Tee	\$ <u>2.45</u>
G	1/2" Brass Swing Check Valve	\$ <u>3.70</u>
H	3/4" Brass Swing Check Valve	\$ <u>5.23</u>
I	1" Brass Swing Check Valve	\$ <u>7.59</u>
J	1 1/4" Brass Swing Check Valve	\$ <u>10.76</u>
K	1 1/2" Brass Swing Check Valve	\$ <u>14.34</u>
L	2" Brass Swing Check Valve	\$ <u>23.01</u>
M	1/2" Brass Gate Valve	\$ <u>3.91</u>
N	3/4" Brass Gate Valve	\$ <u>4.78</u>
O	1" Brass Gate Valve	\$ <u>8.61</u>
P	1 1/4" Brass Gate Valve	\$ <u>14.57</u>
Q	1 1/2" Brass Gate Valve	\$ <u>19.24</u>
R	2" Brass Gate Valve	\$ <u>16.46</u>
S	1/2" Brass Ball Valve	\$ <u>3.56</u>
T	3/4" Brass Ball Valve	\$ <u>5.69</u>
U	1/2" Polished Brass Water Sample Valve	\$ <u>7.02</u>

Brand/ Stock No. JMF

Delivery Time: 7 Days

Total Section 22

\$ 279.19

Stainless Steel Fittings

Section 23

Stainless Steel Nipple Material conform to ASTM A312,
Dimensions conform to ASTM A 733 and ASME B36.19, NPT
Threads on Stainless Nipples conform to ASME B36.19. Ball
Valves have Female threaded connection with locking lever
handle

- | | |
|--|----------|
| A. 1/2" x Close Stainless Steel Nipple | \$ _____ |
| B. 3/4" X Close Stainless Steel Nipple | \$ _____ |
| C. 1" x Close Stainless Nipple | \$ _____ |
| D. 1/2" Stainless Steel Ball Valve | \$ _____ |
| E. 3/4" Stainless Steel Ball Valve | \$ _____ |
| F. 1" Stainless Steel Ball Valve | \$ _____ |

Brand/ Stock No. _____

Delivery Time: _____

Total Section 23

\$ _____

Water Sampling Station**Section 24**

The sampling station shall be manufactured by GIL Industries or Equal.

A 3/4" Complete Water Sampling Station

\$ 277.77

Brand/ Stock No. GIL

Delivery Time: 7 Days

Total Section 24

\$ 277.77

PVC Schedule 40 Pipe & Sch. 40 & 80 Fittings

Section 25

Pipe and Fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a Cell Class of 12454 as identified in ASTM D 1784. PVC Schedule Pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. PVC Schedule 40 fittings shall conform to ASTM D 2466. Pipe and fittings shall be manufactured as a system and the product of one manufacturer. Pipe and fittings shall conform to National Sanitation Foundation (NSF) Standard 61 or the health effects portion of NSF Standard 14.

A	1/2" Sch. 40 PVC 45 Elbow	\$ <u>.18</u>
B	3/4" Sch. 40 PVC 45 Elbow	\$ <u>.26</u>
C	1" Sch. 40 PVC 45 Elbow	\$ <u>.32</u>
D	1 1/2" Sch. 40 PVC 45 Elbow	\$ <u>.54</u>
E	2" Sch. 40 PVC 45 Elbow	\$ <u>.71</u>
F	1/2" Sch. 40 PVC 90 Elbow	\$ <u>.12</u>
G	3/4" Sch. 40 PVC 90 Elbow	\$ <u>.15</u>
H	1" Sch. 40 PVC 90 Elbow	\$ <u>.21</u>
I	1 1/4" Sch. 40 PVC 90 Elbow	\$ <u>.36</u>
J	1 1/2" Sch. 40 PVC 90 Elbow	\$ <u>.38</u>
K	2" Sch. 40 PVC 90 Elbow	\$ <u>.60</u>
L	2" x 2 1/2" Sch. 40 PVC Bushing	\$ <u>.72</u>
M	4" Sch. 40 PVC Backwater Valve SW-DWV	\$ <u>18.03</u>
N	1/2" Sch. 40 PVC Cap	\$ <u>.12</u>
O	3/4" Sch. 40 PVC Cap	\$ <u>.15</u>
P	1" Sch. 40 PVC Cap	\$ <u>.18</u>
Q	1 1/2" Sch. 40 PVC Cap	\$ <u>.21</u>
R	2" Sch. 40 PVC Cap	\$ <u>.32</u>
S	3/4" Sch. 40 PVC Compression Coupling	\$ <u>1.07</u>

T	1" Sch. 40 PVC Compression Coupling	\$ <u>1.73</u>
U	1 1/4" Sch. 40 PVC Compression Coupling	\$ <u>1.77</u>
V	1 1/2" Sch. 40 PVC Compression Coupling	\$ <u>2.44</u>
W	2" Sch. 40 PVC Compression Coupling	\$ <u>3.54</u>
X	1/2" Sch. 40 PVC Female Adapter	\$ <u>.16</u>
Y	3/4" Sch. 40 PVC Female Adapter	\$ <u>.18</u>
Z	1" Sch. 40 PVC Female Adapter	\$ <u>.22</u>
AA	1 1/2" Sch. 40 PVC Female Adapter	\$ <u>.32</u>
BB	2" Sch. 40 PVC Female Adapter	\$ <u>.40</u>
CC	1/2" Sch. 40 PVC Male Adapter	\$ <u>.12</u>
DD	3/4" Sch. 40 PVC Male Adapter	\$ <u>.14</u>
EE	1" Sch. 40 PVC Male Adapter	\$ <u>.20</u>
FF	1 1/4" Sch. 40 PVC Male Adapter	\$ <u>.23</u>
GG	1 1/2" Sch. 40 PVC Male Adapter	\$ <u>.32</u>
HH	2" Sch. 40 PVC Male Adapter	\$ <u>.40</u>
II	1" x 3/4" PVC Reducer	\$ <u>.20</u>
JJ	1 1/4" X 3/4" PVC Reducer	\$ <u>.30</u>
KK	1 1/2" X 3/4" PVC Reducer	\$ <u>.30</u>
LL	1 1/2" x 1" PVC Reducer	\$ <u>.30</u>
MM	2" X 3/4" PVC Reducer	\$ <u>.46</u>
NN	2" x 1" PVC Reducer	\$ <u>.46</u>
OO	2" x 1 1/2" PVC Reducer	\$ <u>.46</u>
PP	4" x 2" PVC Reducer	\$ <u>2.38</u>
QQ	1/2" Sch. 40 PVC Sleeve	\$ <u>.12</u>
RR	3/4" Sch. 40 PVC Sleeve	\$ <u>.15</u>
SS	1" Sch. 40 PVC Sleeve	\$ <u>.22</u>
TT	1 1/2" Sch. 40 PVC Sleeve	\$ <u>.26</u>
UU	2" Sch. 40 PVC Sleeve	\$ <u>.38</u>
VV	3/4" Sch. 40 PVC Tee	\$ <u>.18</u>

WW	1" Sch. 40 PVC Tee	\$ <u>.29</u>
XX	1 1/4" Sch. 40 PVC Tee	\$ <u>.45</u>
YY	1 1/2" Sch. 40 PVC Tee	\$ <u>.54</u>
ZZ	2" Sch. 40 PVC Tee	\$ <u>.76</u>
AAA	2" Sch. 80 PVC Glue on Union	\$ <u>7.86</u>
BBB	2" Sch. 80 PVC Threaded Union	\$ <u>9.00</u>
CCC	1/2" Sch. 40 PVC Pipe	\$ <u>.16</u>
DDD	3/4" Sch. 40 PVC Pipe	\$ <u>.20</u>
EEE	1" Sch. 40 PVC Pipe	\$ <u>.26</u>
FFF	1 1/4" Sch. 40 PVC Pipe	\$ <u>.32</u>
GGG	1 1/2" Sch. 40 PVC Pipe	\$ <u>.40</u>
HHH	2" Sch. 40 PVC Pipe	\$ <u>.50</u>
III	3" Sch. 40 PVC Pipe	\$ <u>1.02</u>

Brand/ Stock No. Charlotte

Delivery Time: 7 Days

Total Section 25

\$ 64.73

SDR 35 SEWER FITTINGS (SOLVENT WELD)

Section 26

The fittings shall be manufactured in accordance with ASTM D 3034 and CSA B 182.2. They shall be molded from virgin PVC having a minimum cell classification of 12454-B in accordance with, and certified by the National Sanitation Foundation (NSF), to meet ASTM D 1784.

A	4" SDR 35 PVC 22 1/2 Elbow	\$ <u>1.88</u>
B	6" SDR 35 PVC 22 1/2 Elbow	\$ <u>8.16</u>
C	4" SDR 35 PVC 45 Elbow	\$ <u>1.70</u>
D	6" SDR 35 PVC 45 Elbow	\$ <u>6.70</u>
E	4" SDR 35 PVC 90 Elbow - Long Turn	\$ <u>2.34</u>
F	6" SDR 35 PVC 90 Elbow - Long Turn	\$ <u>11.24</u>
G	4" PVC Bushing (SCH 40 x SDR 35)	\$ <u>2.26</u>
H	4" SDR 35 PVC Cap	\$ <u>1.10</u>
I	6" SDR 35 PVC Cap	\$ <u>3.62</u>
J	4" SDR 35 PVC Cleanout Adapter	\$ <u>1.78</u>
K	6" SDR 35 PVC Cleanout Adapter	\$ <u>10.96</u>
L	4" SDR35 PVC Threaded Plug	\$ <u>1.38</u>
M	6" SDR35 PVC Threaded Plug	\$ <u>6.86</u>
N	6" x 4" SDR35 PVC Reducer - Bushing	\$ <u>8.52</u>
O	4" SDR35 PVC Sleeve	\$ <u>1.18</u>
P	6" SDR35 PVC Sleeve	\$ <u>4.16</u>
Q	8" x 6" SDR35 PVC 3034 Saddle Tee	\$ <u>17.60</u>
R	4" SDR35 SANITARY PVC Tee	\$ <u>3.62</u>

S 6" SDR35 SANITARY PVC Tee \$ _____

T	4" SDR35 PVC Wye	\$ <u>3.16</u>
U	6" SDR35 PVC Wye	\$ <u>13.16</u>
V	4" Backflow Preventer Schedule 40	\$ <u>16.65</u>
W	6" Backflow Preventer Schedule 40	\$ <u>157.12</u>

Brand/ Stock No. Multi Fitting

Delivery Time: 7 Days

Total Section 26

\$ 285.15

Galv. Fittings **Section 27**

The fittings shall be silicone free, the galvanizing should be ASTM A-153, Threads should be ANSI/ASME B.1.20.1, Fittings pressure rating should be ANSI/ASME B16.3, Bushings/Plugs pressure rating should be ANSI/ASME B16.14. All pressure fittings, bushings and plugs should be FM approved. Galv. Nipples should be Standard Welded Nipples and are to manufactured to the latest ASTM A733 Specifications for Steel Pipe Nipples, from material meeting the latest requirements of the ASTM A53 Specification for continuous welded pipe. The threads are produced and inspected in compliance with the latest ANSI/ASME B1.20 Specification for General Purpose Taper Pipe Threads, NPT.

Galv. Bushings

A	1/2" x 1/4" Galv. Bushing	\$ <u>.54</u>
B	3/4" x 1/2" Galv. Bushing	\$ <u>.90</u>
C	1" x 3/4" Galv. Bushing	\$ <u>1.66</u>
D	2" x 1" Galv. Bushing	\$ <u>7.85</u>
E	2" x 1 1/4" Galv. Bushing	\$ <u>8.00</u>
F	3" x 2" Galv. Bushing	\$ <u>14.68</u>

Galv. Caps

A	1/2" Galv. Cap	\$ <u>.79</u>
B	3/4" Galv. Cap	\$ <u>1.12</u>
C	1" Galv. Cap	\$ <u>2.98</u>
D	1 1/2" Galv. Cap	\$ <u>5.00</u>
E	2" Galv. Cap	\$ <u>7.01</u>

Galv. Dresser Couplings

A	2" Galv. Dresser Coupling	\$ <u>12.21</u>
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Galv. Elbows

A	3/4" Galv. 45 Elbow	\$ <u>3.53</u>
B	1" Galv. 45 Elbow	\$ <u>4.01</u>
C	1 1/2" Galv. 45 Elbow	\$ <u>8.57</u>
D	1/4" x 1/4" Galv. 90 Elbow	\$ <u>2.40</u>
E	1/2" x 1/2" Galv. 90 Elbow	\$ <u>1.57</u>
F	3/4" X 3/4" Galv. 90 Elbow	\$ <u>1.92</u>
G	1" x 3/4" Galv. 90 Elbow	\$ <u>4.28</u>
H	1" x 1" Galv. 90 Elbow	\$ <u>3.56</u>
I	1 1/2" x 1 1/2" Galv. 90 Elbow	\$ <u>7.32</u>
J	2" x 2" Galv. 90 Elbow	\$ <u>12.02</u>
K	3/4" Galv. Street Elbow	\$ <u>3.44</u>
L	1" x 3/4" Galv. Street Elbow	\$ <u>5.18</u>
M	1" Galv. Street Elbow	\$ <u>4.59</u>

Galv. Plugs

A	3/8" Galv. Plug	\$ <u>.22</u>
B	1/4" Galv. Plug	\$ <u>.16</u>
C	1/2" Galv. Plug	\$ <u>.40</u>
D	3/4" Galv. Plug	\$ <u>.59</u>
E	1" Galv. Plug	\$ <u>2.32</u>
F	1 1/4" Galv. Plug	\$ <u>3.84</u>
G	1 1/2" Galv. Plug	\$ <u>5.22</u>
H	2" Galv. Plug	\$ <u>17.42</u>
I	3" Galv. Plug	

Galv. Bell Reducers

A	3/4" X 1/2" Galv. Bell Reducer	\$ <u>2.97</u>
B	1" x 1/4" Galv. Bell Reducer	\$ <u>3.85</u>
C	1" x 3/4" Galv. Belle Reducer	\$ <u>4.60</u>
D	1 1/2" x 3/4" Galv. Bell Reducer	\$ <u>8.12</u>

E	1 1/2" x 1 Galv. Bell Reducer	\$ <u>8.37</u>
F	1 1/2" x 1 1/4" Galv. Bell Reducer	\$ <u>7.79</u>
G	2" x 1" Galv. Bell Reducer	\$ <u>11.06</u>
H	2" x 1 1/2" Galv. Bell Reducer	\$ <u>11.25</u>
I	2 1/2" x 1 1/2" Galv. Bell Reducer	\$ <u>14.00</u>

Galv. Sleeve

A	1/4" Galv. Sleeve	\$ <u>.40</u>
B	1/2" Galv. Sleeve	\$ <u>2.28</u>
C	3/4" Galv. Sleeve	\$ <u>2.64</u>
D	3/8" Galv. Sleeve	\$ <u>1.32</u>
E	1" Galv. Sleeve	\$ <u>4.32</u>
F	1 1/2" Galv. Sleeve	\$ <u>6.92</u>
G	2" Galv. Sleeve	\$ <u>10.11</u>
H	3" Galv. Sleeve	\$ <u>20.00</u>
I	4" Galv. Sleeve	\$ <u>28.00</u>

Galv. Tee

A	1/2" Galv. Tee	\$ <u>2.02</u>
B	3/4" Galv. Tee	\$ <u>2.80</u>
C	1" Galv. Tee	\$ <u>5.39</u>
D	1 1/2" Galv. Tee	\$ <u>10.62</u>
E	2" Galv. Tee	\$ <u>17.40</u>
F	3" Galv. Tee	\$ <u>65.11</u>
G	1" x 3/4" x 1" Galv. Tee	\$ <u>8.13</u>
H	1 1/2" x 3/4" x 1 1/2" Galv. Tee	\$ <u>9.00</u>
I	1 1/2" x 1" x 1 1/2" Galv. Tee	\$ <u>12.00</u>
J	2" x 3/4" x 2" Galv. Tee	\$ <u>18.00</u>
L	2" x 1" x 2" Galv. Tee	\$ <u>20.00</u>
M	2" x 1 1/4" x 2" Galv. Tee	\$ <u>24.00</u>
N	2" x 1 1/2" x 2" Galv. Tee	\$ <u>28.00</u>

Galv. Union

		\$ <u>7.20</u>
A	1/2" Galv. Union	\$ <u>8.20</u>
B	3/4" Galv. Union	\$ <u>10.82</u>
C	1" Galv. Union	\$ <u>15.91</u>
D	1 1/4" Galv. Union	\$ <u>18.78</u>
E	1 1/2" Galv. Union	\$ <u>22.12</u>
F	2" Galv. Union	\$ <u>30.00</u>
G	2 1/2" Galv. Union	\$ <u>52.00</u>

Galv. Nipple

A	1/4" x Close Galv. Nipple	\$ <u>.64</u>
B	1/4" X 2" Galv. Nipple	\$ <u>.88</u>
C	1/4" x 3" Galv. Nipple	\$ <u>1.17</u>
D	1/4" x 4" Galv. Nipple	\$ <u>1.37</u>
E	3/8" x Close Galv. Nipple	\$ <u>.84</u>
F	3/8" x 2" Galv. Nipple	\$ <u>.96</u>
G	3/8" X 3" Galv. Nipple	\$ <u>2.24</u>
H	3/8" x 4" Galv. Nipple	\$ <u>1.45</u>
I	3/8" x 6" Galv. Nipple	\$ <u>2.07</u>
J	1/2" x Close Galv. Nipple	\$ <u>.69</u>
K	1/2" x 2" Galv. Nipple	\$ <u>.72</u>
L	1/2" x 4" Galv. Nipple	\$ <u>1.05</u>
M	1/2" x 6" Galv. Nipple	\$ <u>1.45</u>
N	1/2" x 12" Galv. Nipple	\$ <u>3.39</u>
O	3/4" x Close Galv. Nipple	\$ <u>.84</u>
P	3/4" x 2" Galv. Nipple	\$ <u>.91</u>
Q	3/4" x 3" Galv. Nipple	\$ <u>1.00</u>
R	3/4" x 4" Galv. Nipple	\$ <u>1.28</u>
S	3/4" x 6" Galv. Nipple	\$ <u>1.86</u>

T	3/4" x 8" Galv. Nipple	\$ <u>3.22</u>
U	3/4" x 12" Galv. Nipple	\$ <u>4.05</u>
V	1" x Close Galv. Nipple	\$ <u>1.14</u>
W	1" x 2" Galv. Nipple	\$ <u>1.32</u>
X	1" x 3" Galv. Nipple	\$ <u>1.44</u>
Y	1" x 4" Galv. Nipple	\$ <u>1.72</u>
Z	1" x 6" Galv. Nipple	\$ <u>2.40</u>
AA	1" x 8" Galv. Nipple	\$ <u>4.11</u>
BB	1" x 10" Galv. Nipple	\$ <u>4.65</u>
CC	1" x 12" Galv. Nipple	\$ <u>5.40</u>
DD	1 1/4" x 4" Galv. Nipple	\$ <u>2.13</u>
EE	1 1/4" x 6" Galv. Nipple	\$ <u>3.12</u>
FF	1 1/4" x 8" Galv. Nipple	\$ <u>5.04</u>
GG	1 1/2" x Close Galv. Nipple	\$ <u>1.73</u>
HH	1 1/2" x 4" Galv. Nipple	\$ <u>2.70</u>
II	1 1/2" x 6" Galv. Nipple	\$ <u>3.68</u>
JJ	2" x Close Galv. Nipple	\$ <u>2.48</u>
KK	2" x 3" Galv. Nipple	\$ <u>2.84</u>
LL	2" x 4" Galv. Nipple	\$ <u>3.49</u>
MM	2" x 5" Galv. Nipple	\$ <u>4.24</u>
NN	2" x 6" Galv. Nipple	\$ <u>5.12</u>
OO	2" x 12" Galv. Nipple	\$ <u>11.25</u>
PP	3" x Close Galv. Nipple	\$ <u>8.97.</u>

Brand/ Stock No. Mueller Streamline

Delivery Time: 7 Days

Total Section 27

\$ 801.85

Plumber Plug**Section 28**

The Sewer Pipe Plug is guaranteed to make a perfectly tight joint in asbestos cement or extra heavy soil pipe fittings, no matter how rough or irregular. It comes with a malleable iron wing nut which will not strip the threads. Rim-bolted test plugs. The rim bolts allow a more uniform seal around the edges of the plug when in use.

- | | |
|-------------------|----------|
| A 1" Plumber Plug | \$ _____ |
| B 2" Plumber Plug | \$ _____ |
| C 3" Plumber Plug | \$ _____ |
| D 4" Plumber Plug | \$ _____ |
| E 5" Plumber Plug | \$ _____ |
| F 6" Plumber Plug | \$ _____ |

Brand/ Stock No. _____

Delivery Time: _____

Total Section 28 \$ _____

Flexible Couplings

Section 29

Flexible Couplings are made of an elastometric compound that meets the requirements of ASTM #D5926, C1173 and applicable portions of ASTM #C443, C425, C564, CSA B602 and D1869. They are leak proof, root-proof and are resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases. Stainless steel clamps are corrosion-resistant and rust-proof. Fernco brand or equal.

PVC - PVC

A	2" X 2" Stainless Steel Sheer Ring Coupling	\$ <u>7.96</u>
B	4" X 4" Stainless Steel Sheer Ring Coupling	\$ <u>13.20</u>
C	6" x 4" Stainless Steel Sheer Ring Coupling	\$ <u>32.44</u>
D	6" x 6" Stainless Steel Sheer Ring Coupling	\$ <u>25.10</u>
E	8" x 8" Stainless Steel Sheer Ring Coupling	\$ <u>37.24</u>

CLAY - PVC

A	4" X 4" Stainless Steel Sheer Ring Coupling	\$ <u>19.30</u>
B	6" x 4" Stainless Steel Sheer Ring Coupling	\$ <u>48.46</u>
C	6" x 6" Stainless Steel Sheer Ring Coupling	\$ <u>32.76</u>
D	8" x 6" Stainless Steel Sheer Ring Coupling	\$ <u>32.74</u>
E	8" x 8" Stainless Steel Sheer Ring Coupling	\$ <u>37.24</u>

WRENCHES

- A. 5/16" Torque Wrench

SADDLE

A. 4" 5" Flexible Tapping Saddle

Brand/ Stock No. Fernco

Delivery Time: 7 Days

Total Section 29

\$ 286.⁴⁴

Section 30

Plastic Water Meter Box & Lid

Meter box shall be black and constructed out of modified polypropylene material for maximum durability and corrosion resistance. The black material is for maximum UV protection. The body is designed with two support structures for the universal "T" lid. The body is designed to fit all plastic, black, reinforced, overlapping (T-Lid) design the fits flush on the top of box. The body will have pipe slots on each end of the box that measure - 2 1/2" x 3 1/2". The Lid shall have "Water Meter" molded into the lid, shall have all stainless steel pinned 3 3/4" x 6 3/4" plastic reading door. The lid shall seat securely and evenly inside the meter box and shall not overlap the top edge of the meter box and have a diamond pattern for skid resistance.

A	12" Standard Black Box w/Black Plastic Reading Lid	\$ <u>12.24</u>
B	Standard Plastic Lid Only	\$ <u>5.60</u>
C	Jumbo Plastic Black Box w/Black Plastic Reading Lid	\$ <u>23.88</u>
D	Jumbo Plastic Lid Only	\$ <u>12.28</u>

Brand/ Stock No. NDS

Delivery Time: 7 Days

Iron Water Meter Box

Yoke boxes for 5/8" x 3/4" water meters, straight ball valve inlet - straight outlet. Ford or equal. YL11-233-TP

A	Iron Water Meter Box	\$ _____
B	Iron Water Meter Box Lid	\$ _____

Brand/ Stock No. _____

Delivery Time: _____

Grade Adjuster for Iron Meter Box

The grade adjuster allows between 1 1/2" to 3" additional height to the grade level for a Yoke box after the initial installation. The unit attaches to the top of the box with stainless steel screws and accepts both locking and lockless lids. Ford or equal.

A Grade Adjuster for Iron Meter Box #9501 \$ _____

Brand/ Stock No. _____

Delivery Time: _____

Water Meter Yoke Riser

All Brass components in contact with potable water must be made either CDA/UNS Brass Alloys C89520 or C89833 with a maximum lead content of .25% by weight. Brass alloys not list in ANSI/AWWA C800 are not approved. Mueller or equal.

A 7" Water Meter Yoke Riser \$ 62.44

B 12" Water Meter Yoke Riser \$ 67.83

Brand/ Stock No. Mueller

Delivery Time: 7 Days

Total Section 30 \$ _____

Cast Iron Water Valve Box & Extension**Section 31**

Valve Box should be 5 1/4" shaft, screw type, 3 piece adjustable for 3" to 20" valves. Risers should be 1" through 6" to fit valve box.

A	Valve Box - 3 piece	\$ <u>66.58</u>
B	Valve Box Lid	\$ <u>5.45</u>
C	1 1/2" Valve Box Extension	\$ <u>5.45</u>
D	2" Valve Box Extension	\$ <u>5.80</u>
E	3" Valve Box Extension	\$ <u>9.48</u>
F	4" Valve Box Extension	\$ <u>10.56</u>
G	6" Valve Box Extension	\$ <u>17.90</u>

Brand/ Stock No. Star

Delivery Time: 7 Days

Total Section 31

\$ 121.22

Sewer Cleanout Boxes & Lid

Section 32

Valve box shall be black and constructed out of modified polypropylene material for maximum durability and corrosion resistance. The black material is for maximum UV protection. The body is designed with two support ridges, designed to fit an all, plastic overlapping lid design. The body will have pipe slots on each side on each of the box that measure - 2" x 3". The lid shall overlap the top of the valve box and snap &/or twist lock into the valve box. the lid shall have a diamond pattern for skid resistance.

- | | | |
|---|----------------------------------|-----------------|
| A | 10" Round Sewer Cleanout Box | \$ <u>46.32</u> |
| B | 10" Round Sewer Cleanout Box Lid | \$ <u>5.36</u> |

Brand/ Stock No. Star

Delivery Time: 7 Days

Total Section 32

\$ 51.68

Wafer Check Valve

Section 33

Check valves shall be of the short face-to-face type with external spring to ensure tight shutoff. The pressure rating shall be 200 psi. Valve bodies shall be of ASTM A-126 Class B cast iron. Disc and disc arm shall be of ASTM A-743 Grade CF8M stainless steel. The valve shaft shall be manufactured of ASTM A-276 Grade 316 stainless steel and supported by two (2) SAE 660 bronze bearings. Shaft sealing shall be accomplished by multiple rings of braided PTFE Teflon rings. Packing shall be utilized on each side of the valve. The design of the valve shall be such that spring/arm assembly can be field changed from right to left. The closure spring shall be manufactured of ASTM A-228 spring steel. The spring arm shall be constructed of carbon steel ASTM A-36 and designed to provide disc position indication. The spring arm shall be capable of overriding the spring action for use as an override lever. The valve seat shall be of specified O-ring material and retained in a dovetail groove in the valve body. Milliken valve or equal.

- | | | |
|---|----------------------|----------|
| A | 4" Wafer Check Valve | \$ _____ |
| B | 6" Wafer Check Valve | \$ _____ |
| C | 8" Wafer Check Valve | \$ _____ |

Brand/ Stock No. _____

Delivery Time: _____

Total Section 33

\$ _____

SEWER MANHOLE ASSEMBLY

Section 34

Manhole material specification, cover gray iron ASTM A48 CL35B, frame - gray iron ASTM A48 CL35B, estimated weight, cover 115 lbs., frame 156 lbs., unit 271 lbs. Manhole assembly shall be V-1403 w/ V-1501 Lid.

A	Manhole Casting (36") w/Cover (32")	\$ <u>208.42</u>
B	Manhole Cover Top/Lid (32")	\$ <u>90.33</u>
C	1 1/2" Manhole Riser Ring	\$ <u>80.42</u>
D	2" Manhole Riser Ring	\$ <u>100.85</u>
E	3" Manhole Riser Ring	\$ <u>120.00</u>
F	4" Manhole Riser Ring	\$ <u>160.85</u>
G	6" Manhole Riser Ring	\$ <u>241.27</u>

Brand/ Stock No. East Jordan Iron Works

Delivery Time: 7 Days

Total Section 34

\$ 1002.14

Submersible Sewage Pumps

Section 35

Double Seal Series. Non-clogging vortex impeller design. Bronze class 84-8-0-4. Durable cast construction. Cast Iron switch case, base, motor & pump housing. No sheet metal parts to rust or corrode. All cast iron 25-30 25000# tensile strength. Stainless steel screws, float rod, handle, guard, arm & seal assembly. 20 ft. UL Listed 3-wire neoprene cord & plug. Motor - 60HZ, 3450 RPM, oil filled, hermetically sealed, automatic reset, thermal overload protected. Zoeller or equal.

- | | | |
|---|-------------------------------------|------------------|
| A | 2" Zoeller Pump M292 115V, w/float | \$ <u>780.45</u> |
| B | 2" Zoeller Pump D294 230V, w/float | \$ <u>979.96</u> |
| C | 2" Zoeller Pump E294 230V, no float | \$ <u>910.74</u> |

Brand/ Stock No. Zoeller

Delivery Time: 7 Days

Total Section 35

\$ 2671.15

Concrete Repair

Section 36

A. 60LB Bag of Concrete \$ _____

B. Bag of Sand \$ _____

Brand/ Stock No. _____

Delivery Time: _____

Total Section 36 \$ _____

COPPER TUBING

Section 37

- A. 1/4 Soft copper tubing \$_____/50 ' coil
- B. 3/4 Soft copper tubing \$_____/50 ' coil

Brand/ Stock No. _____

Delivery Time: _____

SECTION 37 TOTAL \$_____