

**Request for Invitation to Bid (ITB) for
Sewer Pipes, Cleanouts & Couplings
Addendum A**

Solicitation Number: 10089690-21-J

Solicitation Issue Date: October 21, 2020

Pre-bid Conference: No pre-bid conference will be held.

Questions and Comments Due: October 23, 2020 @ 12:00 p.m.

Bid Due Date and Time (“Closing Date”): November 10, 2020 @ 3:00 p.m.

Contract Terms: Five (5) years from Effective Date, as defined in Article I, Section 1.2 of the City’s General Contract Terms and Provisions.

City Contact: Janet Polite, Sr. Procurement Contracting Officer
1200 Third Avenue, Suite 200
San Diego, California 92101
jpolite@sandiego.gov
(619) 236-7017

Bidder is required to provide two (2) originals and one (1) electronic copy (e.g. thumb drive or CD) of their response as described herein.

Completed and signed ITB signature page is required, with the most recent addendum listed as an acknowledgment of all addenda issued.

Note: Emailed submissions will not be accepted. Due to COVID-19, electronic copies submitted through PlanetBids will be accepted. Instructions for electronic submissions are provided as an attachment in PlanetBids.

CITY OF SAN DIEGO

PURCHASING & CONTRACTING DEPARTMENT

1200 Third Avenue, Suite 200

San Diego, CA 92101-4195

Fax: (619) 236-5904

ADDENDUM A

Invitation to Bid (ITB) 10089690-21-J

Closing Date: November 10, 2020
@ 3:00 p.m.

Bid for furnishing the City of San Diego with Sewer Pipes, Cleanouts and Couplings

The following changes to the specifications are hereby made effective as though they were originally shown and/or written:

1. Remove the original cover sheet and replace with the attached Addendum A cover sheet.
2. Remove the original ITB, Signature Page (pg. 3 of 9) and replace with the attached Addendum A, Signature Page (pg. 3 of 9).
3. **Public Bid Opening:** Due to COVID-19, the City will be conducting a bid opening via teleconference. For attendance, Bidders are required to email the contact listed on the coversheet to be added to the meeting request.

CITY OF SAN DIEGO PURCHASING & CONTRACTING DEPARTMENT



Janet Polite
Senior Procurement Contracting Officer
(619) 236-7017

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City Contact: Janet Polite, Sr. Procurement
Contracting Officer
1200 Third Avenue, Suite 200
San Diego, California 92101
jp polite@sandiego.gov
(619) 236-7017

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**CONTRACT RESULTING FROM INVITATION TO BID NUMBER 10089690-21-J Sewer Pipes,
Cleanouts & Couplings**

This Contract (Contract) is entered into by and between the City of San Diego, a municipal corporation (City), and the successful bidder to Invitation to Bid (ITB) # 10089690-21-J Sewer Pipes, Cleanouts & Couplings (Contractor).

RECITALS

On or about 10/21/2020, City issued an ITB to prospective bidders on goods to be provided to the City. The ITB and any addenda and exhibits thereto are collectively referred to as the "ITB." The ITB is attached hereto as Exhibit A.

City has determined that Contractor has the expertise, experience, and personnel necessary to provide the goods.

City wishes to retain Contractor to provide sewer pipes, cleanouts and couplings as further described in the Scope of Work, attached hereto as Exhibit B. (Goods).

For good and valuable consideration, the sufficiency of which is acknowledged, City and Contractor agree as follows:

**ARTICLE I
CONTRACTOR SERVICES**

1.1 Scope of Work. Contractor shall provide the Goods to City as described in Exhibit B which is incorporated herein by reference. Contractor will submit all required forms and information described in Exhibit A to the Purchasing Agent before providing Goods.

1.2 General Contract Terms and Provisions. This Contract incorporates by reference the General Contract Terms and Provisions, attached hereto as Exhibit C.

**ARTICLE II
DURATION OF CONTRACT**

2.1 Term. This Contract shall be for a period of five (5) years beginning on the Effective Date. The term of this Contract shall not exceed five years unless approved by the City Council by ordinance.

2.2 Effective Date. This Contract shall be effective on the date it is executed by the last Party to sign the Contract, and approved by the City Attorney in accordance with San Diego Charter Section 40.

**ARTICLE III
COMPENSATION**

3.1 Amount of Compensation. City shall pay Contractor for performance of all Services rendered in accordance with this Contract in an amount not to exceed the amount referenced in bid.

**ARTICLE IV
WAGE REQUIREMENTS**

4.1 Reserved.

**ARTICLE V
CONTRACT DOCUMENTS**

5.1 Contract Documents. The following documents comprise the Contract between the City and Contractor: this Contract and all exhibits thereto; the Notice to Proceed; and the City's written acceptance of exceptions or clarifications to the ITB, if any.

5.2 Contract Interpretation. The Contract Documents completely describe the Goods to be provided. Contractor will provide any Goods that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result whether or not specifically called for or identified in the Contract Documents. Words or phrases which have a well-known technical or construction industry or trade meaning and are used to describe Goods will be interpreted in accordance with that meaning unless a definition has been provided in the Contract Documents.

5.3 Precedence. In resolving conflicts resulting from errors or discrepancies in any of the Contract Documents, the Parties will use the order of precedence as set forth below. The document highest in the order of precedence controls. Inconsistent provisions in the Contract Documents that address the same subject, are consistent, and have different degrees of specificity, are not in conflict and the more specific language will control. The order of precedence from highest to lowest is as follows:

- 1st The Contract
- 2nd The ITB and the City's written acceptance of any exceptions or clarifications to the ITB, if any
- 3rd Contractor's Pricing

5.4 Counterparts. This Contract may be executed in counterparts which, when taken together, shall constitute a single signed original as though all Parties had executed the same page.

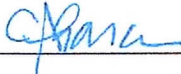
5.5 Public Agencies. Other public agencies, as defined by California Government Code section 6500, may choose to use the terms of this Contract, subject to Contractor's acceptance. The City is not liable or responsible for any obligations related to a subsequent Contract between Contractor and another public agency.

IN WITNESS WHEREOF, this Contract is executed by City and Contractor acting by and through their authorized officers.

CONTRACTOR

CITY OF SAN DIEGO
A Municipal Corporation

Ferguson Waterworks
Bidder

BY: 

11909 Tech Center Court
Street Address

Print Name: Claudia C. Abarca
Director Purchasing & Contracting Department

Poway, CA 92064
City

12/23/2020
Date Signed

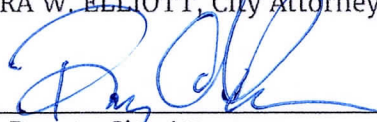
858-391-3700
Telephone No.

mike.akins@ferguson.com
E-Mail

BY: Mike Akins

Approved as to form this 28 day of
December, 2020
MARA W. ELLIOTT, City Attorney

Signature of Bidder's Authorized Representative

BY: 
Deputy City Attorney

Mike Akins
Print Name

Municipal Sales
Title

11/9/2020
Date

EXHIBIT A
INSTRUCTIONS AND BID REQUIREMENTS

A. BID SUBMISSION

1. Timely Bid Submittal. Bids must be submitted as described herein to the Purchasing & Contracting Department (P&C).

1.1 Reserved.

1.2 Paper Bids. The City will accept paper bids in lieu of eBids. Paper bids must be submitted in a sealed envelope to the Purchasing & Contracting Department (P&C) located at 1200 Third Avenue, Suite 200, San Diego, CA 92101. The Solicitation Number and Closing Date must be referenced in the lower left-hand corner of the outside of the envelope. Faxed bids will not be accepted.

1.2.1 Due to Covid-19, electronic copies submitted through PlanetBids will be accepted. Instructions for electronic submissions are provided as an attachment in PlanetBids.

1.3 Bid Due Date. Bids must be submitted prior to the Closing Date indicated in the eBidding System. E-mailed and/or faxed bids will not be accepted.

1.4 Pre-Bid Conference. No pre-bid conference will be held for ITB.

1.4.1 Reserved.

1.5 Questions and Comments. Written questions and comments must be submitted electronically via the eBidding System no later than the date specified on the eBidding System. Only written communications relative to the procurement shall be considered. The City's eBidding System is the only acceptable method for submission of questions. All questions will be answered in writing. The City will distribute questions and answers without identification of the inquirer(s) to all bidders who are on record as having received this ITB via its eBidding System. No oral communications can be relied upon for this ITB. Addenda will be issued addressing questions or comments that are determined by the City to cause a change to any part of this ITB.

1.6 Contact with City Staff. Unless otherwise authorized herein, bidders who are considering submitting a bid in response to this ITB, or who submit a bid in response to this ITB, are prohibited from communicating with City staff about this ITB from the date this ITB is issued until a contract is awarded.

2. Submission of Information and Forms.

2.1 Completed and signed Contract Signature Page. If any addenda are issued, the latest Addendum Contract Signature Page is required.

2.2 Exceptions requested by bidder, if any. The bidder must present written factual or legal justification for any exception requested to the Scope of Work, Contract, or the Exhibits. Any exceptions to the Contract that have not been accepted by the City in writing are deemed rejected. The City, in its sole discretion, may accept some or all of bidder's exceptions, reject bidder's exceptions and deem the bid non-responsive, or award the Contract without bidder's proposed exceptions.

2.3 The Contractor Standards Pledge of Compliance Form.

2.4 Equal Opportunity Contracting forms including the Work Force Report and Contractors Certification of Pending Actions.

2.5 Reserved

2.6 Reserved.

2.7 Manufacturer's Price List.

2.8 Additional Information as required in Exhibit B.

2.9 Reserved

2.10 Reserved

2.11 Reserved

3. Bid Review. Bidders are responsible for carefully examining the ITB, the Scope of Work, this Contract, and all documents incorporated into the Contract by reference before submitting a bid. If selected for award of contract, bidder shall be bound by same unless the City has accepted bidder's exceptions, if any, in writing.

4. Addenda. The City may issue addenda to this ITB as necessary. All addenda are incorporated into the Contract. The bidder is responsible for determining whether addenda were issued prior to a bid submission. Failure to respond to or properly address addenda may result in rejection of a bid.

5. Quantities. The estimated quantities provided by the City are not guaranteed. These quantities are listed for informational purposes only. Quantities vary depending on the demands of the City. Any variations from the estimated quantities shall not entitle the bidder to an adjustment in the unit price or any additional compensation.

6. Quality. Unless otherwise required, all goods furnished shall be new and the best of their kind.

6.1 Items Offered. Bidder shall state the applicable trade name, brand, catalog, manufacturer, and/or product number of the required good, if any, in the bid.

6.2 Brand Names. Any reference to a specific brand name in a solicitation is illustrative only and describes a component best meeting the specific operational, design, performance, maintenance, quality, or reliability standards and requirements of the City. Bidder may offer an equivalent or equal in response to a brand name referenced (Proposed Equivalent). The City may consider the Proposed Equivalent after it is subjected to testing and evaluation which must be completed prior to the award of contract. If the bidder offers an item of a manufacturer or vendor other than that specified, the bidder must identify the maker, brand, quality, manufacturer number, product number, catalog number, or other trade designation. The City has complete discretion in determining if a Proposed Equivalent will satisfy its requirements. It is the bidder's responsibility to provide, at their expense, any product information, test data, or other information or documents the City requests to properly evaluate or demonstrate the acceptability of the Proposed Equivalent, including independent testing, evaluation at qualified test facilities, or destructive testing.

7. Modifications, Withdrawals, or Mistakes. Bidder is responsible for verifying all prices and extensions before submitting a bid.

7.1 Modification or Withdrawal of Bid before Bid Opening. Prior to the Closing Date, the bidder or bidder's authorized representative may modify or withdraw the bid by providing written notice of the bid modification or withdrawal to the City Contact via the eBidding System. E-mail or telephonic withdrawals or modifications are not permissible.

7.2 Bid Modification or Withdrawal of Bid After Bid Opening. Any bidder who seeks to modify or withdraw a bid because of the bidder's inadvertent computational error affecting the bid price shall notify the City Contact identified on the eBidding System no later than three working days following the Closing Date. The bidder shall provide worksheets and such other information as may be required by the City to substantiate the claim of inadvertent error. Failure to do so may bar relief and allow the City recourse from the bid surety. The burden is upon the bidder to prove the inadvertent error. If, as a result of a bid modification, the bidder is no longer the apparent successful bidder, the City will award to the newly established apparent successful bidder. The City's decision is final.

8. Incurred Expenses. The City is not responsible for any expenses incurred by bidders in participating in this solicitation process.

9. Public Records. By submitting a bid, the bidder acknowledges that any information submitted in response to this ITB is a public record subject to disclosure unless the City determines that a specific exemption in the California Public Records Act (CPRA) applies. If the bidder submits information clearly marked confidential or proprietary, the City may protect such information and treat it with confidentiality to the extent permitted by law. However, it will be the responsibility of the bidder to provide to the City the specific legal grounds on which the City can rely in withholding information requested under the CPRA should the City choose to withhold such information. General references to sections of the CPRA will not suffice. Rather, the bidder must provide a specific and detailed legal basis, including applicable case law, that clearly establishes the requested information is exempt from the disclosure under the CPRA. If the bidder does not provide a specific and detailed legal basis for requesting the City to withhold bidder's confidential or proprietary

information at the time of bid submittal, City will release the information as required by the CPRA and bidder will hold the City, its elected officials, officers, and employees harmless for release of this information. It will be the bidder's obligation to defend, at bidder's expense, any legal actions or challenges seeking to obtain from the City any information requested under the CPRA withheld by the City at the bidder's request. Furthermore, the bidder shall indemnify and hold harmless the City, its elected officials, officers, and employees from and against any claim or liability, and defend any action brought against the City, resulting from the City's refusal to release information requested under the CPRA which was withheld at bidder's request. Nothing in the Contract resulting from this bid creates any obligation on the part of the City to notify the bidder or obtain the bidder's approval or consent before releasing information subject to disclosure under the CPRA.

10. Right to Audit. The City Auditor may access bidder's records as described in San Diego Charter section 39.2 to confirm contract compliance.

B. PRICING

1. Fixed Price. All prices shall be firm, fixed, fully burdened, FOB destination, and include any applicable delivery or freight charges, and any other costs required to provide the requirements as specified in this ITB.

2. Taxes and Fees. Taxes and applicable local, state, and federal regulatory fees should not be included in the price proposal. Applicable taxes and regulatory fees will be added to the net amount invoiced. The City is liable for state, city, and county sales taxes but is exempt from Federal Excise Tax and will furnish exemption certificates upon request. All or any portion of the City sales tax returned to the City will be considered in the evaluation of bids.

3. Escalation. An escalation factor is not allowed unless called for in this ITB. If escalation is allowed, bidder must notify the City in writing in the event of a decline in market price(s) below the bid price. At that time, the City will make an adjustment in the Contract or may elect to re-solicit.

4. Unit Price. Unless the bidder clearly indicates that the price is based on consideration of being awarded the entire lot and that an adjustment to the price was made based on receiving the entire bid, any difference between the unit price correctly extended and the total price shown for all items shall be offered shall be resolved in favor of the unit price.

C. BID OPENING. All bids will be opened at, or immediately after, the time noticed for the bid opening in a location that is open to the public. No bidder or interested person will be excluded from the bid opening. Where no member of the public is in attendance, at least one City officer or employee, in addition to the City employee opening the bids, will be present. Bid results will be announced in the presence of those attending. The name of the project will be audibly announced to those present followed by the name of the bidder, the name of the surety, the amount of the bond, if required, and the total amounts or unit amounts bid. Any person present shall have the right to ask the announcements be repeated or to ask that

omitted data be supplied. Such requests will be honored to the extent they do not unreasonably delay or interfere with the bid opening procedure, as determined at the sole discretion of the City employee opening the bids.

D. EVALUATION OF BIDS

1. Low Bid Award. A contract will be awarded to the lowest responsible and responsive bidder.

2. Additional Information. The City may require bidder to provide additional written or oral information to clarify responses.

3. Sustainable Materials. Consistent with Council Policy 100-14, the City encourages use of readily recyclable submittal materials that contain post-consumer recycled content.

4. Waiver of Defects and Technicalities. The City may waive defects and technicalities in bids when to do so is in the City's best interests.

5. Rejection of All Bids. The City may reject any and all bids when to do so is in the City's best interests.

E. ANNOUNCEMENT OF AWARD

1. Award of Contract. The City will inform all bidders of its intent to award a Contract in writing.

2. Obtaining Bid Results. Bid results may be obtained by: (1) attending the bid opening; (2) e-mailing a request to the City Contact identified on the eBidding System; or (3) visiting the P&C eBidding System to review the bid results. To ensure an accurate response, requests should reference the Solicitation Number. Bid results will not be released over the phone.

3. Multiple Awards. City may award more than one contract by awarding separate items or groups of items to various bidders. The additional administrative costs associated with awarding more than one Contract will be considered in the determination.

F. PROTESTS. The City's protest procedures are codified in Chapter 2, Article 2, Division 30 of the San Diego Municipal Code (SDMC). These procedures provide unsuccessful bidders with the opportunity to challenge the City's determination on legal and factual grounds. The City will not consider or otherwise act upon an untimely protest.

G. SUBMITTALS REQUIRED UPON NOTICE OF INTENT TO AWARD. The successful bidder is required to submit the following documents to P&C **within ten (10) business days** from the date on the Notice of Intent to Award letter:

1. Insurance Documents. Evidence of all required insurance, including all required endorsements, as specified in Article VII of the General Contract Terms and Provisions.

2. Taxpayer Identification Number. Internal Revenue Service (IRS) regulations require the City to have the correct name, address, and Taxpayer Identification Number (TIN) or Social Security Number (SSN) on file for businesses or persons who provide goods or services to the City. This information is necessary to complete Form 1099 at the end of each tax year. To comply with IRS regulations, the City requires each Contractor to provide a Form W-9 prior to the award of a Contract.

3. Business Tax Certificate. All businesses that contract with the City must have a current business tax certificate unless the City Treasurer determines the business is exempt.

4. Reserved.

5. Reserved.

The City may find the bidder to be non-responsive and award the Contract to the next responsible and responsive low bidder if the apparent successful bidder fails to timely provide the required information or documents.

**EXHIBIT B
SCOPE OF WORK**

A. BID SPECIFICATIONS

The City of San Diego (City), Public Utilities Department (PUD) seeks to award a contract to provide sewer pipes, cleanouts and couplings in accordance with these specifications. All items shall be of Polyvinyl Chloride (PVC) rubber materials.

B. APPROVED MATERIALS

Only equipment from manufacturers (Series/Model No.), as stated in the Pricing Schedule, will be accepted by the City.

C. METHOD FOR ORDERING

The City will use electronic procurement (e-procurement) services from third-party provider such as SAP Ariba. Bidders shall state their ability to accept and process orders from ecommerce systems on their submittal.

D. METHOD OF AWARD

Contractors shall provide a copy of their latest catalog and currently effective published price list with their bid, in order to be considered responsive. Catalog may be in the form of a hardcopy catalog, accessible link, and/or online subscription that is available to the City at all times. Contractor is required to provide the current catalog in any of the abovementioned formats throughout the contract term.

E. BACKORDERS

Contractor shall ship items in the quantities shown on a Purchase Order. Backorders are not allowable without prior, written approval from the City. The City reserves the right to evaluate the number of backorders to determine if backorders are negatively impacting the City's daily operations, which may be cause for termination of the contract.

F. SUBSTITUTIONS

No substitutions of items bid shall be permitted without review and written authorization from the City. The City shall be given a thirty (30) day notice of any proposed substitution.

G. DELIVERIES

Only new, Original Equipment Manufacturer (OEM), parts will be accepted. All deliveries shall have OEM packaging and be accompanied by an invoice or delivery receipt. Orders shall be delivered within fourteen (14) business days after receipt of an order to the below City's location. The City reserves the right to add delivery locations throughout the Contract period at no additional cost to the City.

City of San Diego
9150 Topaz Way-Tool Room
San Diego, CA 92123

Goods and Services ITB
Revised: April 29, 2016
OCA Document No. 1277089

Delivery to any of the City's locations shall be free of charge (F.O.B. Destination, freight prepaid) and fuel surcharges shall not be imposed throughout the life of the contract.

Deliveries shall be made during receiving hours, 8:00 AM to 2:00 PM, Monday through Friday not including City-observed holidays (Section M). Exceptions to this schedule shall be rare. If exceptions are required by the City, they will be scheduled in advance with the Contractor.

Contractor shall be responsible for setting up delivery schedules with City personnel prior to any deliveries.

If the City operational requirements necessitate the acquisition of parts sooner than the delivery times noted above and Contractor is unable to provide, the City reserves the right to purchase off-contract from any other supplier.

Should the City be subjected to fines or any other expenses as a result of Contractor's failure to deliver the product specified in the Contract, Contractor will be held liable to the City for reimbursement of the entire amount of expense imposed upon the City because of late or non-delivery.

A Contractor Customer Service Representative shall be available during the City business hours of 8:00 AM to 5:00 PM, Monday through Friday via toll free number and shall be able to handle all inquiries.

H. EMERGENCY DELIVERIES

Emergency deliveries, as determined by the City, will be required within twenty-four (24) hours after receipt of an order. Contractor shall inform the City within one (1) hour of request whether the item(s) is available to meet an emergency need for delivery within twenty-four (24) hours. If Contractor is unable to deliver within the specified time frame, the City reserves the right to purchase off-contract from any other supplier.

Contractor shall be responsible for setting up delivery schedules with City personnel prior to any deliveries.

I. INVOICING

All deliveries shall be accompanied by an invoice or a delivery receipt. All invoices/delivery receipts shall be itemized and display list price, the discounted City price for each item, and shall reference applicable purchase order number.

J. DAMAGED OR DEFECTIVE PRODUCTS

Contractor shall replace, at no cost to the City, damaged or defective products within seven (7) calendar days after notice. This, also, shall include freight charges or any other associated cost. In the event of Contractor failure to replace damaged or defective product within seven (7) days, the City reserves the right to procure from another supplier and the Contractor shall pay the City any difference between the bid price and the price paid to another supplier.

K. WARRANTY

Parts shall have the regular manufacturer's standard guarantee and warranty against defects in material and workmanship. In no case shall coverage be less than twelve (12) months after the parts are placed in service. Where a standard manufacturer warranty exceeds a period of one (1) year, this warranty shall also be provided to the City.

Warranty documentation shall be provided to the City at the time of replacement of defected parts.

In the event of a breakdown or failure of the parts during the warranty period and upon receipt of the notice from the City, Contractor shall take satisfactory action to effect repair or replacement of affected parts within forty-eight (48) hours, at no cost to the City. Should a conflict arise between the manufacturer's warranty and the Contract, the Contract shall prevail.

L. TECHNICAL REPRESENTATIVE

The Technical Representative for this Contract is identified in the Notice to Proceed and is responsible for overseeing and monitoring this Contract.

M. CITY OBSERVED HOLIDAYS

The days shown below are recognized as City-observed holidays. Contractor shall not make deliveries on these holidays unless the Technical Representative determines that a special circumstance exists requiring such services. In the event a special circumstance arises, authorization for the Technical Representative is required prior to work being performed.

New Year's Day	Independence Day
Dr. Martin Luther King, Jr. Day	Labor Day
President's Day	Veteran's Day
Cesar Chavez Day	Thanksgiving Day
Memorial Day	Christmas Day

N. PRICING SCHEDULE

The estimate annual quantities provided by the City are not guaranteed. The quantities may vary depending on the demands of the City. Any variations for these estimated quantities shall not entitle the Contractors to an adjustment in the unit price or to any additional compensation and in no case shall exceed \$3 million within the Contract term, or without City Council approval.

Bidders shall complete the pricing schedule in its entirety to be considered responsive. Unit prices shall be based on the Unit of Measure (U/M) as specified on the Pricing Schedule. Any changes to the U/M made by the Bidder may be cause for the bid to be rejected as non-responsive. Any discount offered other than for prompt payment should be included in the net price quoted instead of shown as a separate item. Applicable taxes should not be included in pricing.

**ATTACHMENT 1
PRICING SCHEDULE**

SECTION A: ACRYLONITRILE BUTADIENE STYRENE (ABS) AND POLY VINYL (PVC) PIPES

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
1.	3000	EA	PIPE, DWV/ASB, 4" SCH40	Vinyltech	AP40FCPP20	\$ 1.47	\$ 4410.00
2.	3000	EA	PIPE, SEWER 4" PVC 20', SDR35	Vinyltech	SDR35PP20	\$.99	\$ 2,970.00
3.	3000	EA	PIPE, SEWER 6" PVC 20', SDR35	Vinyltech	SDR35PU20	\$ 2.16	\$ 6,480.00
4.	600	EA	PIPE, SEWER 8" PVC 20', SDR35	Vinyltech	SDR35PX20	\$ 3.88	\$ 2,328.00
5.	600	EA	PIPE, SEWER 10" PVC 20', SDR35	Vinyltech	SDR35P1020	\$ 6.08	\$ 3,648.00
6.	600	EA	PIPE, SEWER 12" PVC 20', SDR35	Vinyltech	SDR35P1220	\$ 8.73	\$ 5,238.00
7.	300	EA	PIPE, SEWER 15" PVC 20', SDR35	Vinyltech	SDR35P1520	\$ 12.97	\$ 3,891.00
8.	200	EA	PIPE, SEWER 18" PVC 20', SDR35	Vinyltech	SDR35P1820	\$ 21.36	\$ 4,272.00
9.	245	EA	PIPE, SEWER 21" PVC 20', SDR35	Vinyltech	SDR35P2120	\$ 30.51	\$ 7,474.95
Total Estimated Cost - Section A:							\$ 40,711.95

SECTION B: CLEANOUTS

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
1.	150	EA	STANDARD 6" ID CONCRETE ROUND CLEANOUT ENCLOSURE W/ CONCRETE LID MARKED "SEWER"	Oldcastle	SD1ABCCS	\$ 21.10	\$ 3,165.00
Total Estimated Cost - Section B:							\$ 3,165.00

SECTION C: PVC & ABS COUPLINGS

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
1.	200	EA	Adapter, 4", ABS/PVC	Charlotte	PDWVABP	\$ 2.22	\$ 444.00
2.	600	EA	Bend, 4", 1/8, 45 DWV/ASV SCH 40	Charlotte	ADWV4P	\$ 6.73	\$ 4,038.00
3.	700	EA	Bend, 4", 1/16, 22-1/2 DWV/ABS SCH 40	Charlotte	ADWV2P	\$ 6.28	\$ 4,396.00
4.	160	EA	Bend, 4", ABS/PVC	Charlotte	ADWV9P	\$ 8.39	\$ 1,342.40
5.	60	EA	Bend, 6", 1/16, 22-1/2 DWV/ABS SCH 40	Charlotte	ADWV2U	\$74.82	\$ 4,489.20
6.	300	EA	BEND, 4", SDR-35, ST 1/8	Charlotte	MUL063404	\$ 5.65	\$ 1,695.00

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
7.	100	EA	CEMENT, DWV 773 BLACK 1 QUART	IPS	I10243	\$ 8.64	\$ 864.00
8.	250	EA	CLEANOUT 4" DWV/ASB SCH 40	Charlotte	ADWVFAP	\$ 4.48	\$ 1,120.00
9.	50	EA	CLEANOUT 6" DWV/ASB SCH 40	Charlotte	ADWVFAU	\$ 17.15	\$ 857.50
10.	200	EA	COUPLING 4", DWV/ASB SCH 40	Charlotte	ADWVCP	\$ 3.41	\$ 682.00
11.	50	EA	COUPLING 6", DWV/ASB SCH 40	Charlotte	ADWVCU	\$ 14.28	\$ 714.00
12.	200	EA	WYE 4", DWV/ASB SCH 40	Charlotte	ADWVYP	\$ 14.76	\$ 2,952.00
13.	25	EA	WYE 6", DWV/ASB SCH 40	Charlotte	ADWVYU	\$ 44.41	\$ 1,110.25
14.	100	EA	INCREASER, HUB X HUB 3" X 4" ABS SCH 40	Charlotte	ADWVRPM	\$ 6.43	\$ 643.00
15.	50	EA	PLUG CLEANOUT 6", DWV/ABS	Charlotte	ADWVCOPU	\$ 8.04	\$ 402.00
Total Estimated Cost - Section C:							\$ 25,749.35

SECTION D: RUBBER FITTINGS

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
1.	400	EA	ARC SS SHEAR RING COUPLING, 6" CLAY X 6" CI/PLOD CL 7.20" - 7.80" OD CI/PL 6.27" - 6.62"	Fernco	1002-66RC	\$ 34.92	\$ 13,968.00
2.	500	EA	ARC SS SHEAR RING COUPLING, 8" CLAY X 8" CI/PLOD CL 9.40" - 10.00" OD CI/PL 8.25" - 8.62"	Fernco	1002-88RC	\$ 39.73	\$ 19,865.00
3.	300	EA	ARC SS SHEAR RING COUPLING, 10" CLAY X 10" CI/PLOD CL 11.85" - 12.45" OD CI/PL 10.20" - 10.80"	Fernco	1002-1010RC	\$ 51.67	\$ 15,501.00
4.	150	EA	ARC SS SHEAR RING COUPLING, 12" CLAY X 12" CI/PLID CLAY 14.50" ID - CI/PLID CLAY 14.50" ID CI/PL 12.50	Fernco	1002-1212RC	\$ 63.25	\$ 9,487.50
5.	450	EA	ARC SS SHEAR RING COUPLING, 6" CI/PL X 6" CL / PL ID 6.45" - 6.45" ID	Fernco	1056-66RC	\$ 26.75	\$ 12,037.50
6.	540	EA	ARC SS SHEAR RING COUPLING, 8" C1/PL X 8" C1/PLID C1/PL 8.44"	Fernco	1056-88RC	\$ 39.73	\$ 21,454.20
7.	350	EA	ARC SS SHEAR RING COUPLING, 10" CI/PL X 10" CI/PLID CI/PL 12.50"	Fernco	1056-1010RC	\$ 51.67	\$ 18,084.50
8.	150	EA	ARC SS SHEAR RING COUPLING, 12" CI/PL X 12" CI/PLID CI/PL 12.50"	Fernco	1056-1212RC	\$ 63.25	\$ 9,487.50
9.	150	EA	4" FLEX WYE SADDLES	Fernco	TSW-4	\$ 31.85	\$ 4,777.50
10.	150	EA	6" FLEX WYE SADDLES	Fernco	TSW-6	\$ 41.50	\$ 6,225.00

Item No.	Est. Qty.	U/M	Description	Manufacturer	Model No.	Unit Cost	Extension
11.	200	EA	FLEX SEAL RUBBER COUPLING 4" CLAY TO 4" CAST IRON/PLASTIC	Fernco	1002-44	\$ 3.45	\$ 690.00
12.	50	EA	FLEX SEAL RUBBER COUPLING 4" CLAY TO 4" CONCRETE/DUCTILE IRON	Fernco	1005-44	\$ 10.95	\$ 547.50
13.	50	EA	FLEX SEAL RUBBER COUPLING 6" CLAY TO 6" CAST IRON/PLASTIC	Fernco	1002-66	\$ 7.37	\$ 368.50
14.	100	EA	FLEX SEAL RUBBER COUPLING 6" CAST/PLASTIC	Fernco	1056-66	\$ 7.37	\$ 737.00
15.	50	EA	FLEX SEAL RUBBER COUPLING 6" CLAY TO 6" CAST IRON/DUCTILE	Fernco	1002-66	\$ 7.37	\$ 368.50
16.	150	EA	FLEX SEL RUBBER COUPLING 8" CLAY TO 8" CLAY	Fernco	1001-88	\$12.24	\$ 1,836.00
Total Estimated Cost - Section D:							\$ 135,435.20

Total Estimated Cost for Sections A, B, C, and D	\$ 205,061.50
Total Estimated Contract Value (Est. Annual Bid Total x 5-Year Contract Term)	\$ 1,025,307.50

DISCOUNT OFF MANUFACTURER’S PRICE LIST

The City desires to purchase products listed as well as other products not specifically listed throughout the term of this contract. As new items become available in the designated product lines, they too will become a part of the contract and will be subject to the same discount offered. The most current Manufacturer’s Price List will be used to determine pricing during the contract period. Contractor shall provide price updates and catalogs as new items become available, or at any time they are updated. Bidder shall indicate below the percentage discount off the Manufacturer’s Prevailing Published Price List at time of order that will apply for items not specifically listed. This information will not be considered in the award evaluation.

- Brand: Charlotte Pipe and Foundry Discount Off of List Price: 20 %
- Brand: Fernco Inc. Discount Off of List Price: 20 %
- Brand: _____ Discount Off of List Price: _____ %
- Brand: _____ Discount Off of List Price: _____ %
- Brand: _____ Discount Off of List Price: _____ %
- Brand: _____ Discount Off of List Price: _____ %

EXHIBIT C



THE CITY OF SAN DIEGO
GENERAL CONTRACT TERMS AND PROVISIONS
APPLICABLE TO GOODS, SERVICES, AND CONSULTANT CONTRACTS

ARTICLE I SCOPE AND TERM OF CONTRACT

1.1 Scope of Contract. The scope of contract between the City and a provider of goods and/or services (Contractor) is described in the Contract Documents. The Contract Documents are comprised of the Request for Proposal, Invitation to Bid, or other solicitation document (Solicitation); the successful bid or proposal; the letter awarding the contract to Contractor; the City's written acceptance of exceptions or clarifications to the Solicitation, if any; and these General Contract Terms and Provisions.

1.2 Effective Date. A contract between the City and Contractor (Contract) is effective on the last date that the contract is signed by the parties and approved by the City Attorney in accordance with Charter section 40. Unless otherwise terminated, this Contract is effective until it is completed or as otherwise agreed upon in writing by the parties, whichever is the earliest. A Contract term cannot exceed five (5) years unless approved by the City Council by ordinance.

1.3 Contract Extension. The City may, in its sole discretion, unilaterally exercise an option to extend the Contract as described in the Contract Documents. In addition, the City may, in its sole discretion, unilaterally extend the Contract on a month-to-month basis following contract expiration if authorized under Charter section 99 and the Contract Documents. Contractor shall not increase its pricing in excess of the percentage increase described in the Contract.

ARTICLE II CONTRACT ADMINISTRATOR

2.1 Contract Administrator. The Purchasing Agent or designee is the Contract Administrator for purposes of this Contract, and has the responsibilities described in this Contract, in the San Diego Charter, and in Chapter 2, Article 2, Divisions 5, 30, and 32.

2.1.1 Contractor Performance Evaluations. The Contract Administrator will evaluate Contractor's performance as often as the Contract Administrator deems necessary throughout the term of the contract. This evaluation will be based on criteria including the quality of goods or services, the timeliness of performance, and adherence to applicable laws, including prevailing wage and living wage. City will provide Contractors who receive an unsatisfactory rating with a copy of the evaluation and an opportunity to respond. City may consider final evaluations, including Contractor's response, in evaluating future proposals and bids for contract award.

2.2 Notices. Unless otherwise specified, in all cases where written notice is required under this Contract, service shall be deemed sufficient if the notice is personally delivered or deposited in the United States mail, with first class postage paid, attention to the Purchasing Agent. Proper notice is effective on the date of personal delivery or five (5) days after deposit in a United States postal mailbox unless provided otherwise in the Contract. Notices to the City shall be sent to:

Purchasing Agent
City of San Diego, Purchasing and Contracting Division
1200 3rd Avenue, Suite 200
San Diego, CA 92101-4195

ARTICLE III COMPENSATION

3.1 Manner of Payment. Contractor will be paid monthly, in arrears, for goods and/or services provided in accordance with the terms and provisions specified in the Contract.

3.2 Invoices.

3.2.1 Invoice Detail. Contractor's invoice must be on Contractor's stationary with Contractor's name, address, and remittance address if different. Contractor's invoice must have a date, an invoice number, a purchase order number, a description of the goods or services provided, and an amount due.

3.2.2 Service Contracts. Contractor must submit invoices for services to City by the 10th of the month following the month in which Contractor provided services. Invoices must include the address of the location where services were performed and the dates in which services were provided.

3.2.3 Goods Contracts. Contractor must submit invoices for goods to City within seven days of the shipment. Invoices must describe the goods provided.

3.2.4 Parts Contracts. Contractor must submit invoices for parts to City within seven calendar (7) days of the date the parts are shipped. Invoices must include the manufacturer of the part, manufacturer's published list price, percentage discount applied in accordance with Pricing Page(s), the net price to City, and an item description, quantity, and extension.

3.2.5 Extraordinary Work. City will not pay Contractor for extraordinary work unless Contractor receives prior written authorization from the Contract Administrator. Failure to do so will result in payment being withheld for services. If approved, Contractor will include an invoice that describes the work performed and the location where the work was performed, and a copy of the Contract Administrator's written authorization.

3.2.6 Reporting Requirements. Contractor must submit the following reports using the City's web-based contract compliance portal. Incomplete and/or delinquent reports may cause payment delays, non-payment of invoice, or both. For questions, please view the City's online tutorials on how to utilize the City's web-based contract compliance portal.

3.2.6.1 Monthly Employment Utilization Reports. Contractor and Contractor's subcontractors and suppliers must submit Monthly Employment Utilization Reports by the fifth (5th) day of the subsequent month.

3.2.6.2 Monthly Invoicing and Payments. Contractor and Contractor's subcontractors and suppliers must submit Monthly Invoicing and Payment Reports by the fifth (5th) day of the subsequent month.

3.3 Annual Appropriation of Funds. Contractor acknowledges that the Contract term may extend over multiple City fiscal years, and that work and compensation under this Contract is contingent on the City Council appropriating funding for and authorizing such work and compensation for those fiscal years. This Contract may be terminated at the end of the fiscal year for which sufficient funding is not appropriated and authorized. City is not obligated to pay Contractor for any amounts not duly appropriated and authorized by City Council.

3.4 Price Adjustments. Based on Contractor's written request and justification, the City may approve an increase in unit prices on Contractor's pricing pages consistent with the amount requested in the justification in an amount not to exceed the increase in the Consumer Price Index, San Diego Area, for All Urban Customers (CPI-U) as published by the Bureau of Labor Statistics, or 5.0%, whichever is less, during the preceding one year term. If the CPI-U is a negative number, then the unit prices shall not be adjusted for that option year (the unit prices will not be decreased). A negative CPI-U shall be counted against any subsequent increases in the CPI-U when calculating the unit prices for later option years. Contractor must provide such written request and justification no less than sixty days before the date in which City may exercise the option to renew the contract, or sixty days before the anniversary date of the Contract. Justification in support of the written request must include a description of the basis for the adjustment, the proposed effective date and reasons for said date, and the amount of the adjustment requested with documentation to support the requested change (e.g. CPI-U or 5.0%, whichever is less). City's approval of this request must be in writing.

ARTICLE IV SUSPENSION AND TERMINATION

4.1 City's Right to Suspend for Convenience. City may suspend all or any portion of Contractor's performance under this Contract at its sole option and for its convenience for a reasonable period of time not to exceed six (6) months. City must first give ten (10) days' written notice to Contractor of such suspension. City will pay to Contractor a sum equivalent to the reasonable value of the goods and/or services satisfactorily provided up to the date of suspension. City may rescind the suspension prior to or at six (6) months by providing Contractor with written notice of the rescission, at which time Contractor would be required to resume performance in compliance with the terms and provisions of this Contract. Contractor will be entitled to an extension of time to complete performance under the Contract equal to the length of the suspension unless otherwise agreed to in writing by the Parties.

4.2 City's Right to Terminate for Convenience. City may, at its sole option and for its convenience, terminate all or any portion of this Contract by giving thirty (30) days' written notice of such termination to Contractor. The termination of the Contract shall be effective upon receipt of the notice by Contractor. After termination of all or any portion of the Contract, Contractor shall: (1) immediately discontinue all affected performance (unless the notice directs otherwise); and (2) complete any and all additional work necessary for the orderly filing of

documents and closing of Contractor's affected performance under the Contract. After filing of documents and completion of performance, Contractor shall deliver to City all data, drawings, specifications, reports, estimates, summaries, and such other information and materials created or received by Contractor in performing this Contract, whether completed or in process. By accepting payment for completion, filing, and delivering documents as called for in this section, Contractor discharges City of all of City's payment obligations and liabilities under this Contract with regard to the affected performance.

4.3 City's Right to Terminate for Default. Contractor's failure to satisfactorily perform any obligation required by this Contract constitutes a default. Examples of default include a determination by City that Contractor has: (1) failed to deliver goods and/or perform the services of the required quality or within the time specified; (2) failed to perform any of the obligations of this Contract; and (3) failed to make sufficient progress in performance which may jeopardize full performance.

4.3.1 If Contractor fails to satisfactorily cure a default within ten (10) calendar days of receiving written notice from City specifying the nature of the default, City may immediately cancel and/or terminate this Contract, and terminate each and every right of Contractor, and any person claiming any rights by or through Contractor under this Contract.

4.3.2 If City terminates this Contract, in whole or in part, City may procure, upon such terms and in such manner as the Purchasing Agent may deem appropriate, equivalent goods or services and Contractor shall be liable to City for any excess costs. Contractor shall also continue performance to the extent not terminated.

4.4 Termination for Bankruptcy or Assignment for the Benefit of Creditors. If Contractor files a voluntary petition in bankruptcy, is adjudicated bankrupt, or makes a general assignment for the benefit of creditors, the City may at its option and without further notice to, or demand upon Contractor, terminate this Contract, and terminate each and every right of Contractor, and any person claiming rights by and through Contractor under this Contract.

4.5 Contractor's Right to Payment Following Contract Termination.

4.5.1 Termination for Convenience. If the termination is for the convenience of City an equitable adjustment in the Contract price shall be made. No amount shall be allowed for anticipated profit on unperformed services, and no amount shall be paid for an as needed contract beyond the Contract termination date.

4.5.2 Termination for Default. If, after City gives notice of termination for failure to fulfill Contract obligations to Contractor, it is determined that Contractor had not so failed, the termination shall be deemed to have been effected for the convenience of City. In such event, adjustment in the Contract price shall be made as provided in Section 4.3.2. City's rights and remedies are in addition to any other rights and remedies provided by law or under this Contract.

4.6 Remedies Cumulative. City's remedies are cumulative and are not intended to be exclusive of any other remedies or means of redress to which City may be lawfully entitled in case of any breach or threatened breach of any provision of this Contract.

ARTICLE V ADDITIONAL CONTRACTOR OBLIGATIONS

5.1 Inspection and Acceptance. The City will inspect and accept goods provided under this Contract at the shipment destination unless specified otherwise. Inspection will be made and acceptance will be determined by the City department shown in the shipping address of the Purchase Order or other duly authorized representative of City.

5.2 Responsibility for Lost or Damaged Shipments. Contractor bears the risk of loss or damage to goods prior to the time of their receipt and acceptance by City. City has no obligation to accept damaged shipments and reserves the right to return damaged goods, at Contractor's sole expense, even if the damage was not apparent or discovered until after receipt.

5.3 Responsibility for Damages. Contractor is responsible for all damage that occurs as a result of Contractor's fault or negligence or that of its' employees, agents, or representatives in connection with the performance of this Contract. Contractor shall immediately report any such damage to people and/or property to the Contract Administrator.

5.4 Delivery. Delivery shall be made on the delivery day specified in the Contract Documents. The City, in its sole discretion, may extend the time for delivery. The City may order, in writing, the suspension, delay or interruption of delivery of goods and/or services.

5.5 Delay. Unless otherwise specified herein, time is of the essence for each and every provision of the Contract. Contractor must immediately notify City in writing if there is, or it is anticipated that there will be, a delay in performance. The written notice must explain the cause for the delay and provide a reasonable estimate of the length of the delay. City may terminate this Contract as provided herein if City, in its sole discretion, determines the delay is material.

5.5.1 If a delay in performance is caused by any unforeseen event(s) beyond the control of the parties, City may allow Contractor to a reasonable extension of time to complete performance, but Contractor will not be entitled to damages or additional compensation. Any such extension of time must be approved in writing by City. The following conditions may constitute such a delay: war; changes in law or government regulation; labor disputes; strikes; fires, floods, adverse weather or other similar condition of the elements necessitating cessation of the performance; inability to obtain materials, equipment or labor; or other specific reasons agreed to between City and Contractor. This provision does not apply to a delay caused by Contractor's acts or omissions. Contractor is not entitled to an extension of time to perform if a delay is caused by Contractor's inability to obtain materials, equipment, or labor unless City has received, in a timely manner, documentary proof satisfactory to City of Contractor's inability to obtain materials, equipment, or labor, in which case City's approval must be in writing.

5.6 Restrictions and Regulations Requiring Contract Modification. Contractor shall immediately notify City in writing of any regulations or restrictions that may or will require Contractor to alter the material, quality, workmanship, or performance of the goods and/or services to be provided. City reserves the right to accept any such alteration, including any resulting reasonable price adjustments, or to cancel the Contract at no expense to the City.

5.7 Warranties. All goods and/or services provided under the Contract must be warranted by Contractor or manufacturer for at least twelve (12) months after acceptance by City, except automotive equipment. Automotive equipment must be warranted for a minimum of 12,000 miles or 12 months, whichever occurs first, unless otherwise stated in the Contract. Contractor is responsible to City for all warranty service, parts, and labor. Contractor is required to ensure that warranty work is performed at a facility acceptable to City and that services, parts, and labor are available and provided to meet City's schedules and deadlines. Contractor may establish a warranty service contract with an agency satisfactory to City instead of performing the warranty service itself. If Contractor is not an authorized service center and causes any damage to equipment being serviced, which results in the existing warranty being voided, Contractor will be liable for all costs of repairs to the equipment, or the costs of replacing the equipment with new equipment that meets City's operational needs.

5.8 Industry Standards. Contractor shall provide goods and/or services acceptable to City in strict conformance with the Contract. Contractor shall also provide goods and/or services in accordance with the standards customarily adhered to by an experienced and competent provider of the goods and/or services called for under this Contract using the degree of care and skill ordinarily exercised by reputable providers of such goods and/or services. Where approval by City, the Mayor, or other representative of City is required, it is understood to be general approval only and does not relieve Contractor of responsibility for complying with all applicable laws, codes, policies, regulations, and good business practices.

5.9 Records Retention and Examination. Contractor shall retain, protect, and maintain in an accessible location all records and documents, including paper, electronic, and computer records, relating to this Contract for five (5) years after receipt of final payment by City under this Contract. Contractor shall make all such records and documents available for inspection, copying, or other reproduction, and auditing by authorized representatives of City, including the Purchasing Agent or designee. Contractor shall make available all requested data and records at reasonable locations within City or County of San Diego at any time during normal business hours, and as often as City deems necessary. If records are not made available within the City or County of San Diego, Contractor shall pay City's travel costs to the location where the records are maintained and shall pay for all related travel expenses. Failure to make requested records available for inspection, copying, or other reproduction, or auditing by the date requested may result in termination of the Contract. Contractor must include this provision in all subcontracts made in connection with this Contract.

5.9.1 Contractor shall maintain records of all subcontracts entered into with all firms, all project invoices received from Subcontractors and Suppliers, all purchases of materials and services from Suppliers, and all joint venture participation. Records shall show name, telephone number including area code, and business address of each Subcontractor and Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.

5.10 Quality Assurance Meetings. Upon City's request, Contractor shall schedule one or more quality assurance meetings with City's Contract Administrator to discuss Contractor's performance. If requested, Contractor shall schedule the first quality assurance meeting no later than eight (8) weeks from the date of commencement of work under the Contract. At the quality assurance meeting(s), City's Contract Administrator will provide Contractor with feedback, will note any deficiencies in Contract performance, and provide Contractor with an opportunity to address and correct such deficiencies. The total number of quality assurance meetings that may be required by City will depend upon Contractor's performance.

5.11 Duty to Cooperate with Auditor. The City Auditor may, in his sole discretion, at no cost to the City, and for purposes of performing his responsibilities under Charter section 39.2, review Contractor's records to confirm contract compliance. Contractor shall make reasonable efforts to cooperate with Auditor's requests.

5.12 Safety Data Sheets. If specified by City in the solicitation or otherwise required by this Contract, Contractor must send with each shipment one (1) copy of the Safety Data Sheet (SDS) for each item shipped. Failure to comply with this procedure will be cause for immediate termination of the Contract for violation of safety procedures.

5.13 Project Personnel. Except as formally approved by the City, the key personnel identified in Contractor's bid or proposal shall be the individuals who will actually complete the work. Changes in staffing must be reported in writing and approved by the City.

5.13.1 Criminal Background Certification. Contractor certifies that all employees working on this Contract have had a criminal background check and that said employees are clear of any sexual and drug related convictions. Contractor further certifies that all employees hired by Contractor or a subcontractor shall be free from any felony convictions.

5.13.2 Photo Identification Badge. Contractor shall provide a company photo identification badge to any individual assigned by Contractor or subcontractor to perform services or deliver goods on City premises. Such badge must be worn at all times while on City premises. City reserves the right to require Contractor to pay fingerprinting fees for personnel assigned to work in sensitive areas. All employees shall turn in their photo identification badges to Contractor upon completion of services and prior to final payment of invoice.

5.14 Standards of Conduct. Contractor is responsible for maintaining standards of employee competence, conduct, courtesy, appearance, honesty, and integrity satisfactory to the City.

5.14.1 Supervision. Contractor shall provide adequate and competent supervision at all times during the Contract term. Contractor shall be readily available to meet with the City. Contractor shall provide the telephone numbers where its representative(s) can be reached.

5.14.2 City Premises. Contractor's employees and agents shall comply with all City rules and regulations while on City premises.

5.14.3 Removal of Employees. City may request Contractor immediately remove from assignment to the City any employee found unfit to perform duties at the City. Contractor shall comply with all such requests.

5.15 Licenses and Permits. Contractor shall, without additional expense to the City, be responsible for obtaining any necessary licenses, permits, certifications, accreditations, fees and approvals for complying with any federal, state, county, municipal, and other laws, codes, and regulations applicable to Contract performance. This includes, but is not limited to, any laws or regulations requiring the use of licensed contractors to perform parts of the work.

5.16 Contractor and Subcontractor Registration Requirements. Prior to the award of the Contract or Task Order, Contractor and Contractor's subcontractors and suppliers must register with the City's web-based vendor registration and bid management system. The City may not award the Contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified by the City, the City reserves the right to rescind the Contract award and to make the award to the next responsive and responsible proposer of bidder.

ARTICLE VI INTELLECTUAL PROPERTY RIGHTS

6.1 Rights in Data. If, in connection with the services performed under this Contract, Contractor or its employees, agents, or subcontractors, create artwork, audio recordings, blueprints, designs, diagrams, documentation, photographs, plans, reports, software, source code, specifications, surveys, system designs, video recordings, or any other original works of authorship, whether written or readable by machine (Deliverable Materials), all rights of Contractor or its subcontractors in the Deliverable Materials, including, but not limited to publication, and registration of copyrights, and trademarks in the Deliverable Materials, are the sole property of City. Contractor, including its employees, agents, and subcontractors, may not use any Deliverable Material for purposes unrelated to Contractor's work on behalf of the City without prior written consent of City. Contractor may not publish or reproduce any Deliverable Materials, for purposes unrelated to Contractor's work on behalf of the City, without the prior written consent of the City.

6.2 Intellectual Property Rights Assignment. For no additional compensation, Contractor hereby assigns to City all of Contractor's rights, title, and interest in and to the content of the Deliverable Materials created by Contractor or its employees, agents, or subcontractors, including copyrights, in connection with the services performed under this Contract. Contractor

shall promptly execute and deliver, and shall cause its employees, agents, and subcontractors to promptly execute and deliver, upon request by the City or any of its successors or assigns at any time and without further compensation of any kind, any power of attorney, assignment, application for copyright, patent, trademark or other intellectual property right protection, or other papers or instruments which may be necessary or desirable to fully secure, perfect or otherwise protect to or for the City, its successors and assigns, all right, title and interest in and to the content of the Deliverable Materials. Contractor also shall cooperate and assist in the prosecution of any action or opposition proceeding involving such intellectual property rights and any adjudication of those rights.

6.3 Contractor Works. Contractor Works means tangible and intangible information and material that: (a) had already been conceived, invented, created, developed or acquired by Contractor prior to the effective date of this Contract; or (b) were conceived, invented, created, or developed by Contractor after the effective date of this Contract, but only to the extent such information and material do not constitute part or all of the Deliverable Materials called for in this Contract. All Contractor Works, and all modifications or derivatives of such Contractor Works, including all intellectual property rights in or pertaining to the same, shall be owned solely and exclusively by Contractor.

6.4 Subcontracting. In the event that Contractor utilizes a subcontractor(s) for any portion of the work that comprises the whole or part of the specified Deliverable Materials to the City, the agreement between Contractor and the subcontractor shall include a statement that identifies the Deliverable Materials as a “works for hire” as described in the United States Copyright Act of 1976, as amended, and that all intellectual property rights in the Deliverable Materials, whether arising in copyright, trademark, service mark or other forms of intellectual property rights, belong to and shall vest solely with the City. Further, the agreement between Contractor and its subcontractor shall require that the subcontractor, if necessary, shall grant, transfer, sell and assign, free of charge, exclusively to City, all titles, rights and interests in and to the Deliverable Materials, including all copyrights, trademarks and other intellectual property rights. City shall have the right to review any such agreement for compliance with this provision.

6.5 Intellectual Property Warranty and Indemnification. Contractor represents and warrants that any materials or deliverables, including all Deliverable Materials, provided under this Contract are either original, or not encumbered, and do not infringe upon the copyright, trademark, patent or other intellectual property rights of any third party, or are in the public domain. If Deliverable Materials provided hereunder become the subject of a claim, suit or allegation of copyright, trademark or patent infringement, City shall have the right, in its sole discretion, to require Contractor to produce, at Contractor’s own expense, new non-infringing materials, deliverables or works as a means of remedying any claim of infringement in addition to any other remedy available to the City under law or equity. Contractor further agrees to indemnify, defend, and hold harmless the City, its officers, employees and agents from and against any and all claims, actions, costs, judgments or damages, of any type, alleging or threatening that any Deliverable Materials, supplies, equipment, services or works provided under this contract infringe the copyright, trademark, patent or other intellectual property or proprietary rights of any third party (Third Party Claim of Infringement). If a Third Party Claim

of Infringement is threatened or made before Contractor receives payment under this Contract, City shall be entitled, upon written notice to Contractor, to withhold some or all of such payment.

6.6 Software Licensing. Contractor represents and warrants that the software, if any, as delivered to City, does not contain any program code, virus, worm, trap door, back door, time or clock that would erase data or programming or otherwise cause the software to become inoperable, inaccessible, or incapable of being used in accordance with its user manuals, either automatically, upon the occurrence of licensor-selected conditions or manually on command. Contractor further represents and warrants that all third party software, delivered to City or used by Contractor in the performance of the Contract, is fully licensed by the appropriate licensor.

6.7 Publication. Contractor may not publish or reproduce any Deliverable Materials, for purposes unrelated to Contractor's work on behalf of the City without prior written consent from the City.

6.8 Royalties, Licenses, and Patents. Unless otherwise specified, Contractor shall pay all royalties, license, and patent fees associated with the goods that are the subject of this solicitation. Contractor warrants that the goods, materials, supplies, and equipment to be supplied do not infringe upon any patent, trademark, or copyright, and further agrees to defend any and all suits, actions and claims for infringement that are brought against the City, and to defend, indemnify and hold harmless the City, its elected officials, officers, and employees from all liability, loss and damages, whether general, exemplary or punitive, suffered as a result of any actual or claimed infringement asserted against the City, Contractor, or those furnishing goods, materials, supplies, or equipment to Contractor under the Contract.

ARTICLE VII INDEMNIFICATION AND INSURANCE

7.1 Indemnification. To the fullest extent permitted by law, Contractor shall defend (with legal counsel reasonably acceptable to City), indemnify, protect, and hold harmless City and its elected officials, officers, employees, agents, and representatives (Indemnified Parties) from and against any and all claims, losses, costs, damages, injuries (including, without limitation, injury to or death of an employee of Contractor or its subcontractors), expense, and liability of every kind, nature and description (including, without limitation, incidental and consequential damages, court costs, and litigation expenses and fees of expert consultants or expert witnesses incurred in connection therewith and costs of investigation) that arise out of, pertain to, or relate to, directly or indirectly, in whole or in part, any goods provided or performance of services under this Contract by Contractor, any subcontractor, anyone directly or indirectly employed by either of them, or anyone that either of them control. Contractor's duty to defend, indemnify, protect and hold harmless shall not include any claims or liabilities arising from the sole negligence or willful misconduct of the Indemnified Parties.

7.2 Insurance. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or

in connection with the performance of the work hereunder and the results of that work by Contractor, his agents, representatives, employees or subcontractors.

Contractor shall provide, at a minimum, the following:

7.2.1 Commercial General Liability. Insurance Services Office Form CG 00 01 covering CGL on an “occurrence” basis, including products and completed operations, property damage, bodily injury, and personal and advertising injury with limits no less than \$1,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

7.2.2 Commercial Automobile Liability. Insurance Services Office Form Number CA 0001 covering Code 1 (any auto) or, if Contractor has no owned autos, Code 8 (hired) and 9 (non-owned), with limit no less than \$1,000,000 per accident for bodily injury and property damage.

7.2.3 Workers' Compensation. Insurance as required by the State of California, with Statutory Limits, and Employer’s Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.

7.2.4 Professional Liability (Errors and Omissions). For consultant contracts, insurance appropriate to Consultant’s profession, with limit no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If Contractor maintains broader coverage and/or higher limits than the minimums shown above, City requires and shall be entitled to the broader coverage and/or the higher limits maintained by Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.

7.2.5 Other Insurance Provisions. The insurance policies are to contain, or be endorsed to contain, the following provisions:

7.2.5.1 Additional Insured Status. The City, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to Contractor’s insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 if a later edition is used).

7.2.5.2 Primary Coverage. For any claims related to this contract, Contractor's insurance coverage shall be primary coverage at least as broad as ISO CG 20 01 04 13 as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by City, its officers, officials, employees, or volunteers shall be excess of Contractor's insurance and shall not contribute with it.

7.2.5.3 Notice of Cancellation. Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to City.

7.2.5.4 Waiver of Subrogation. Contractor hereby grants to City a waiver of any right to subrogation which the Workers' Compensation insurer of said Contractor may acquire against City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

7.2.5.5 Claims Made Policies (applicable only to professional liability). The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, Contractor must purchase "extended reporting" coverage for a minimum of five (5) years after completion of work.

7.3 Self Insured Retentions. Self-insured retentions must be declared to and approved by City. City may require Contractor to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or City.

7.4 Acceptability of Insurers. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-VI, unless otherwise acceptable to City.

City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State of California and is included on the List of Approved Surplus Lines Insurers (LASLI list). All policies of insurance carried by non-admitted carriers are subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7.5 Verification of Coverage. Contractor shall furnish City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive Contractor's obligation to provide them. City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

7.6 Special Risks or Circumstances. City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

7.7 Additional Insurance. Contractor may obtain additional insurance not required by this Contract.

7.8 Excess Insurance. All policies providing excess coverage to City shall follow the form of the primary policy or policies including but not limited to all endorsements.

7.9 Subcontractors. Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that City is an additional insured on insurance required from subcontractors. For CGL coverage, subcontractors shall provide coverage with a format at least as broad as the CG 20 38 04 13 endorsement.

ARTICLE VIII BONDS

8.1 Payment and Performance Bond. Prior to the execution of this Contract, City may require Contractor to post a payment and performance bond (Bond). The Bond shall guarantee Contractor's faithful performance of this Contract and assure payment to contractors, subcontractors, and to persons furnishing goods and/or services under this Contract.

8.1.1 Bond Amount. The Bond shall be in a sum equal to twenty-five percent (25%) of the Contract amount, unless otherwise stated in the Specifications. City may file a claim against the Bond if Contractor fails or refuses to fulfill the terms and provisions of the Contract.

8.1.2 Bond Term. The Bond shall remain in full force and effect at least until complete performance of this Contract and payment of all claims for materials and labor, at which time it will convert to a ten percent (10%) warranty bond, which shall remain in place until the end of the warranty periods set forth in this Contract. The Bond shall be renewed annually, at least sixty (60) days in advance of its expiration, and Contractor shall provide timely proof of annual renewal to City.

8.1.3 Bond Surety. The Bond must be furnished by a company authorized by the State of California Department of Insurance to transact surety business in the State of California and which has a current A.M. Best rating of at least "A-, VIII."

8.1.4 Non-Renewal or Cancellation. The Bond must provide that City and Contractor shall be provided with sixty (60) days' advance written notice in the event of non-renewal, cancellation, or material change to its terms. In the event of non-renewal, cancellation, or material change to the Bond terms, Contractor shall provide City with evidence of the new source of surety within twenty-one (21) calendar days after the date of the notice of non-renewal, cancellation, or material change. Failure to maintain the Bond, as required herein, in full force

and effect as required under this Contract, will be a material breach of the Contract subject to termination of the Contract.

8.2 Alternate Security. City may, at its sole discretion, accept alternate security in the form of an endorsed certificate of deposit, a money order, a certified check drawn on a solvent bank, or other security acceptable to the Purchasing Agent in an amount equal to the required Bond.

ARTICLE IX CITY-MANDATED CLAUSES AND REQUIREMENTS

9.1 Contractor Certification of Compliance. By signing this Contract, Contractor certifies that Contractor is aware of, and will comply with, these City-mandated clauses throughout the duration of the Contract.

9.1.1 Drug-Free Workplace Certification. Contractor shall comply with City's Drug-Free Workplace requirements set forth in Council Policy 100-17, which is incorporated into the Contract by this reference.

9.1.2 Contractor Certification for Americans with Disabilities Act (ADA) and State Access Laws and Regulations: Contractor shall comply with all accessibility requirements under the ADA and under Title 24 of the California Code of Regulations (Title 24). When a conflict exists between the ADA and Title 24, Contractor shall comply with the most restrictive requirement (i.e., that which provides the most access). Contractor also shall comply with the City's ADA Compliance/City Contractors requirements as set forth in Council Policy 100-04, which is incorporated into this Contract by reference. Contractor warrants and certifies compliance with all federal and state access laws and regulations and further certifies that any subcontract agreement for this contract contains language which indicates the subcontractor's agreement to abide by the provisions of the City's Council Policy and any applicable access laws and regulations.

9.1.3 Non-Discrimination Requirements.

9.1.3.1 Compliance with City's Equal Opportunity Contracting Program (EOCP). Contractor shall comply with City's EOCP Requirements. Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractors shall ensure that their subcontractors comply with this program. Nothing in this Section shall be interpreted to hold a Prime Contractor liable for any discriminatory practice of its subcontractors.

9.1.3.2 Non-Discrimination Ordinance. Contractor shall not discriminate on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors or suppliers. Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result

in Contract termination, debarment, or other sanctions. Contractor shall ensure that this language is included in contracts between Contractor and any subcontractors, vendors and suppliers.

9.1.3.3 Compliance Investigations. Upon City's request, Contractor agrees to provide to City, within sixty calendar days, a truthful and complete list of the names of all subcontractors, vendors, and suppliers that Contractor has used in the past five years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by Contractor for each subcontract or supply contract. Contractor further agrees to fully cooperate in any investigation conducted by City pursuant to City's Nondiscrimination in Contracting Ordinance. Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in Contract termination, debarment, and other sanctions.

9.1.4 Equal Benefits Ordinance Certification. Unless an exception applies, Contractor shall comply with the Equal Benefits Ordinance (EBO) codified in the San Diego Municipal Code (SDMC). Failure to maintain equal benefits is a material breach of the Contract.

9.1.5 Contractor Standards. Contractor shall comply with Contractor Standards provisions codified in the SDMC. Contractor understands and agrees that violation of Contractor Standards may be considered a material breach of the Contract and may result in Contract termination, debarment, and other sanctions.

9.1.6 Noise Abatement. Contractor shall operate, conduct, or construct without violating the City's Noise Abatement Ordinance codified in the SDMC.

9.1.7 Storm Water Pollution Prevention Program. Contractor shall comply with the City's Storm Water Management and Discharge Control provisions codified in Division 3 of Chapter 4 of the SDMC, as may be amended, and any and all applicable Best Management Practice guidelines and pollution elimination requirements in performing or delivering services at City owned, leased, or managed property, or in performance of services and activities on behalf of City regardless of location.

Contractor shall comply with the City's Jurisdictional Urban Runoff Management Plan encompassing Citywide programs and activities designed to prevent and reduce storm water pollution within City boundaries as adopted by the City Council on January 22, 2008, via Resolution No. 303351, as may be amended.

Contractor shall comply with each City facility or work site's Storm Water Pollution Prevention Plan, as applicable, and institute all controls needed while completing the services to minimize any negative impact to the storm water collection system and environment.

9.1.8 Service Worker Retention Ordinance. If applicable, Contractor shall comply with the Service Worker Retention Ordinance (SWRO) codified in the SDMC.

9.1.9 Product Endorsement. Contractor shall comply with Council Policy 000-41 which requires that other than listing the City as a client and other limited endorsements, any advertisements, social media, promotions or other marketing referring to the City as a user of a product or service will require prior written approval of the Mayor or designee. Use of the City Seal or City logos is prohibited.

9.1.10 Business Tax Certificate. Unless the City Treasurer determines in writing that a contractor is exempt from the payment of business tax, any contractor doing business with the City of San Diego is required to obtain a Business Tax Certificate (BTC) and to provide a copy of its BTC to the City before a Contract is executed.

9.1.11 Equal Pay Ordinance. Unless an exception applies, Contractor shall comply with the Equal Pay Ordinance codified in San Diego Municipal Code sections 22.4801 through 22.4809. Contractor shall certify in writing that it will comply with the requirements of the EPO.

9.1.11.1 Contractor and Subcontract Requirement. The Equal Pay Ordinance applies to any subcontractor who performs work on behalf of a Contractor to the same extent as it would apply to that Contractor. Any Contractor subject to the Equal Pay Ordinance shall require all of its subcontractors to certify compliance with the Equal Pay Ordinance in its written subcontracts.

ARTICLE X CONFLICT OF INTEREST AND VIOLATIONS OF LAW

10.1 Conflict of Interest Laws. Contractor is subject to all federal, state and local conflict of interest laws, regulations, and policies applicable to public contracts and procurement practices including, but not limited to, California Government Code sections 1090, *et. seq.* and 81000, *et. seq.*, and the Ethics Ordinance, codified in the SDMC. City may determine that Contractor must complete one or more statements of economic interest disclosing relevant financial interests. Upon City's request, Contractor shall submit the necessary documents to City.

10.2 Contractor's Responsibility for Employees and Agents. Contractor is required to establish and make known to its employees and agents appropriate safeguards to prohibit employees from using their positions for a purpose that is, or that gives the appearance of being, motivated by the desire for private gain for themselves or others, particularly those with whom they have family, business or other relationships.

10.3 Contractor's Financial or Organizational Interests. In connection with any task, Contractor shall not recommend or specify any product, supplier, or contractor with whom Contractor has a direct or indirect financial or organizational interest or relationship that would violate conflict of interest laws, regulations, or policies.

10.4 Certification of Non-Collusion. Contractor certifies that: (1) Contractor's bid or proposal was not made in the interest of or on behalf of any person, firm, or corporation not identified; (2) Contractor did not directly or indirectly induce or solicit any other bidder or proposer to put in a sham bid or proposal; (3) Contractor did not directly or indirectly induce or

solicit any other person, firm or corporation to refrain from bidding; and (4) Contractor did not seek by collusion to secure any advantage over the other bidders or proposers.

10.5 Hiring City Employees. This Contract shall be unilaterally and immediately terminated by City if Contractor employs an individual who within the twelve (12) months immediately preceding such employment did in his/her capacity as a City officer or employee participate in negotiations with or otherwise have an influence on the selection of Contractor.

ARTICLE XI DISPUTE RESOLUTION

11.1 Mediation. If a dispute arises out of or relates to this Contract and cannot be settled through normal contract negotiations, Contractor and City shall use mandatory non-binding mediation before having recourse in a court of law.

11.2 Selection of Mediator. A single mediator that is acceptable to both parties shall be used to mediate the dispute. The mediator will be knowledgeable in the subject matter of this Contract, if possible.

11.3 Expenses. The expenses of witnesses for either side shall be paid by the party producing such witnesses. All other expenses of the mediation, including required traveling and other expenses of the mediator, and the cost of any proofs or expert advice produced at the direct request of the mediator, shall be borne equally by the parties, unless they agree otherwise.

11.4 Conduct of Mediation Sessions. Mediation hearings will be conducted in an informal manner and discovery will not be allowed. The discussions, statements, writings and admissions will be confidential to the proceedings (pursuant to California Evidence Code sections 1115 through 1128) and will not be used for any other purpose unless otherwise agreed by the parties in writing. The parties may agree to exchange any information they deem necessary. Both parties shall have a representative attend the mediation who is authorized to settle the dispute, though City's recommendation of settlement may be subject to the approval of the Mayor and City Council. Either party may have attorneys, witnesses or experts present.

11.5 Mediation Results. Any agreements resulting from mediation shall be memorialized in writing. The results of the mediation shall not be final or binding unless otherwise agreed to in writing by the parties. Mediators shall not be subject to any subpoena or liability, and their actions shall not be subject to discovery.

ARTICLE XII MANDATORY ASSISTANCE

12.1 Mandatory Assistance. If a third party dispute or litigation, or both, arises out of, or relates in any way to the services provided to the City under a Contract, Contractor, its agents, officers, and employees agree to assist in resolving the dispute or litigation upon City's request. Contractor's assistance includes, but is not limited to, providing professional consultations,

attending mediations, arbitrations, depositions, trials or any event related to the dispute resolution and/or litigation.

12.2 Compensation for Mandatory Assistance. City will compensate Contractor for fees incurred for providing Mandatory Assistance. If, however, the fees incurred for the Mandatory Assistance are determined, through resolution of the third party dispute or litigation, or both, to be attributable in whole, or in part, to the acts or omissions of Contractor, its agents, officers, and employees, Contractor shall reimburse City for all fees paid to Contractor, its agents, officers, and employees for Mandatory Assistance.

12.3 Attorneys' Fees Related to Mandatory Assistance. In providing City with dispute or litigation assistance, Contractor or its agents, officers, and employees may incur expenses and/or costs. Contractor agrees that any attorney fees it may incur as a result of assistance provided under Section 12.2 are not reimbursable.

ARTICLE XIII MISCELLANEOUS

13.1 Headings. All headings are for convenience only and shall not affect the interpretation of this Contract.

13.2 Non-Assignment. Contractor may not assign the obligations under this Contract, whether by express assignment or by sale of the company, nor any monies due or to become due under this Contract, without City's prior written approval. Any assignment in violation of this paragraph shall constitute a default and is grounds for termination of this Contract at the City's sole discretion. In no event shall any putative assignment create a contractual relationship between City and any putative assignee.

13.3 Independent Contractors. Contractor and any subcontractors employed by Contractor are independent contractors and not agents of City. Any provisions of this Contract that may appear to give City any right to direct Contractor concerning the details of performing or providing the goods and/or services, or to exercise any control over performance of the Contract, shall mean only that Contractor shall follow the direction of City concerning the end results of the performance.

13.4 Subcontractors. All persons assigned to perform any work related to this Contract, including any subcontractors, are deemed to be employees of Contractor, and Contractor shall be directly responsible for their work.

13.5 Covenants and Conditions. All provisions of this Contract expressed as either covenants or conditions on the part of City or Contractor shall be deemed to be both covenants and conditions.

13.6 Compliance with Controlling Law. Contractor shall comply with all applicable local, state, and federal laws, regulations, and policies. Contractor's act or omission in violation of applicable local, state, and federal laws, regulations, and policies is grounds for contract

termination. In addition to all other remedies or damages allowed by law, Contractor is liable to City for all damages, including costs for substitute performance, sustained as a result of the violation. In addition, Contractor may be subject to suspension, debarment, or both.

13.7 Governing Law. The Contract shall be deemed to be made under, construed in accordance with, and governed by the laws of the State of California without regard to the conflicts or choice of law provisions thereof.

13.8 Venue. The venue for any suit concerning solicitations or the Contract, the interpretation of application of any of its terms and conditions, or any related disputes shall be in the County of San Diego, State of California.

13.9 Successors in Interest. This Contract and all rights and obligations created by this Contract shall be in force and effect whether or not any parties to the Contract have been succeeded by another entity, and all rights and obligations created by this Contract shall be vested and binding on any party's successor in interest.

13.10 No Waiver. No failure of either City or Contractor to insist upon the strict performance by the other of any covenant, term or condition of this Contract, nor any failure to exercise any right or remedy consequent upon a breach of any covenant, term, or condition of this Contract, shall constitute a waiver of any such breach of such covenant, term or condition. No waiver of any breach shall affect or alter this Contract, and each and every covenant, condition, and term hereof shall continue in full force and effect without respect to any existing or subsequent breach.

13.11 Severability. The unenforceability, invalidity, or illegality of any provision of this Contract shall not render any other provision of this Contract unenforceable, invalid, or illegal.

13.12 Drafting Ambiguities. The parties acknowledge that they have the right to be advised by legal counsel with respect to the negotiations, terms and conditions of this Contract, and the decision of whether to seek advice of legal counsel with respect to this Contract is the sole responsibility of each party. This Contract shall not be construed in favor of or against either party by reason of the extent to which each party participated in the drafting of the Contract.

13.13 Amendments. Neither this Contract nor any provision hereof may be changed, modified, amended or waived except by a written agreement executed by duly authorized representatives of City and Contractor. Any alleged oral amendments have no force or effect. The Purchasing Agent must sign all Contract amendments.

13.14 Conflicts Between Terms. If this Contract conflicts with an applicable local, state, or federal law, regulation, or court order, applicable local, state, or federal law, regulation, or court order shall control. Varying degrees of stringency among the main body of this Contract, the exhibits or attachments, and laws, regulations, or orders are not deemed conflicts, and the most stringent requirement shall control. Each party shall notify the other immediately upon the identification of any apparent conflict or inconsistency concerning this Contract.

13.15 Survival of Obligations. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with this Contract, as well as all continuing obligations indicated in this Contract, shall survive, completion and acceptance of performance and termination, expiration or completion of the Contract.

13.16 Confidentiality of Services. All services performed by Contractor, and any sub-contractor(s) if applicable, including but not limited to all drafts, data, information, correspondence, proposals, reports of any nature, estimates compiled or composed by Contractor, are for the sole use of City, its agents, and employees. Neither the documents nor their contents shall be released by Contractor or any subcontractor to any third party without the prior written consent of City. This provision does not apply to information that: (1) was publicly known, or otherwise known to Contractor, at the time it was disclosed to Contractor by City; (2) subsequently becomes publicly known through no act or omission of Contractor; or (3) otherwise becomes known to Contractor other than through disclosure by City.

13.17 Insolvency. If Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the Contract, written notification of the bankruptcy to the Purchasing Agent and the Contract Administrator responsible for administering the Contract. This notification shall be furnished within five (5) days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of City contract numbers and contracting offices for all City contracts against which final payment has not been made. This obligation remains in effect until final payment is made under this Contract.

13.18 No Third Party Beneficiaries. Except as may be specifically set forth in this Contract, none of the provisions of this Contract are intended to benefit any third party not specifically referenced herein. No party other than City and Contractor shall have the right to enforce any of the provisions of this Contract.

13.19 Actions of City in its Governmental Capacity. Nothing in this Contract shall be interpreted as limiting the rights and obligations of City in its governmental or regulatory capacity.

City of San Diego
CONTRACTOR STANDARDS
Pledge of Compliance

The City of San Diego has adopted a Contractor Standards Ordinance (CSO) codified in section 22.3004 of the San Diego Municipal Code (SDMC). The City of San Diego uses the criteria set forth in the CSO to determine whether a contractor (bidder or proposer) has the capacity to fully perform the contract requirements and the business integrity to justify the award of public funds. This completed Pledge of Compliance signed under penalty of perjury must be submitted with each bid and proposal. If an informal solicitation process is used, the bidder must submit this completed Pledge of Compliance to the City prior to execution of the contract. All responses must be typewritten or printed in ink. If an explanation is requested or additional space is required, Contractors must provide responses on Attachment A to the Pledge of Compliance and sign each page. Failure to submit a signed and completed Pledge of Compliance may render a bid or proposal non-responsive. In the case of an informal solicitation or cooperative procurement, the contract will not be awarded unless a signed and completed Pledge of Compliance is submitted. A submitted Pledge of Compliance is a public record and information contained within will be available for public review except to the extent that such information is exempt from disclosure pursuant to applicable law.

By signing and submitting this form, the contractor is certifying, to the best of their knowledge, that the contractor and any of its Principals have not within a five (5) year period – preceding this offer, been convicted of or had a civil judgement rendered against them for commission of a fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) contract or subcontract.

“Principal” means an officer, director, owner, partner or a person having primary management or supervisory responsibilities within the firm. The Contractor shall provide immediate written notice to the Procurement Contracting Officer handling the solicitation, at any time prior to award should they learn that this Representations and Certifications was inaccurate or incomplete.

This form contains 10 pages, additional information may be submitted as part of *Attachment A*.

A. BID/PROPOSAL/SOLICITATION TITLE:

B. BIDDER/PROPOSER INFORMATION:

Legal Name		DBA	
Street Address	City	State	Zip
Contact Person, Title	Phone	Fax	

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103). Use additional pages if necessary.

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	
Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	
Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

C. OWNERSHIP AND NAME CHANGES:

1. In the past five ten (5) years, has your firm changed its name?
Yes **No**

If **Yes**, use Attachment A to list all prior legal and DBA names, addresses, and dates each firm name was used. Explain the specific reasons for each name change.

2. Is your firm a non-profit?
Yes **No**

If **Yes**, attach proof of status to this submission.

3. In the past five (5) years, has a firm owner, partner, or officer operated a similar business?
Yes **No**

If **Yes**, use Attachment A to list names and addresses of all businesses and the person who operated the business. Include information about a similar business only if an owner, partner, or officer of your firm holds or has held a similar position in another firm.

D. BUSINESS ORGANIZATION/STRUCTURE:

Indicate the organizational structure of your firm. Fill in only one section on this page. Use Attachment A if more space is required.

Corporation Date incorporated: _____ State of incorporation: _____

List corporation's current officers: President: _____
Vice Pres: _____
Secretary: _____
Treasurer: _____

Type of corporation: C Subchapter S

Is the corporation authorized to do business in California: **Yes** **No**

If **Yes**, after what date: _____

Is your firm a publicly traded corporation? **Yes** **No**

If **Yes**, how and where is the stock traded? _____

If **Yes**, list the name, title and address of those who own ten percent (10 %) or more of the corporation's stocks:

Do the President, Vice President, Secretary and/or Treasurer of your corporation have a third party interest or other financial interests in a business/enterprise that performs similar work, services or provides similar goods? **Yes** **No**

If **Yes**, please use Attachment A to disclose.

Please list the following:	Authorized	Issued	Outstanding
a. Number of voting shares:	_____	_____	_____
b. Number of nonvoting shares:	_____	_____	_____
c. Number of shareholders:			_____
d. Value per share of common stock:		Par	\$ _____
		Book	\$ _____
		Market	\$ _____

Limited Liability Company Date formed: _____ State of formation: _____

List the name, title and address of members who own ten percent (10%) or more of the company:

Partnership Date formed: _____ State of formation: _____

List names of all firm partners:

Sole Proprietorship Date started: _____

List all firms you have been an owner, partner or officer with during the past five (5) years. Do not include ownership of stock in a publicly traded company:

Joint Venture Date formed: _____

List each firm in the joint venture and its percentage of ownership:

Note: To be responsive, each member of a Joint Venture or Partnership must complete a separate *Contractor Standards form*.

E. FINANCIAL RESOURCES AND RESPONSIBILITY:

1. Is your firm preparing to be sold, in the process of being sold, or in negotiations to be sold?

Yes No

If **Yes**, use Attachment A to explain the circumstances, including the buyer's name and principal contact information.

2. In the past five (5) years, has your firm been denied bonding?

Yes No

If **Yes**, use Attachment A to explain specific circumstances; include bonding company name.

3. In the past five (5) years, has a bonding company made any payments to satisfy claims made against a bond issued on your firm's behalf or a firm where you were the principal?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

4. In the past five (5) years, has any insurance carrier, for any form of insurance, refused to renew the insurance policy for your firm?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

5. Within the last five years, has your firm filed a voluntary petition in bankruptcy, been adjudicated bankrupt, or made a general assignment for the benefit of creditors?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

6. Are there any claims, liens or judgements that are outstanding against your firm?

Yes No

If **Yes**, please use Attachment A to provide detailed information on the action.

7. Please provide the name of your principal financial institution for financial reference. By submitting a response to this Solicitation Contractor authorizes a release of credit information for verification of financial responsibility.

Name of Bank: _____

Point of Contact: _____

Address: _____

Phone Number: _____

8. By submitting a response to a City solicitation, Contractor certifies that he or she has sufficient operating capital and/or financial reserves to properly fund the requirements identified in the solicitation. At City's request, Contractor will promptly provide to City

a copy of Contractor's most recent balance sheet and/or other necessary financial statements to substantiate financial ability to perform.

9. In order to do business in the City of San Diego, a current Business Tax Certificate is required. Business Tax Certificates are issued by the City Treasurer's Office. If you do not have one at the time of submission, one must be obtained prior to award.

Business Tax Certificate No.: _____ Year Issued: _____

F. PERFORMANCE HISTORY:

1. In the past five (5) years, has your firm been found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for defaulting or breaching a contract with a government agency?

Yes No

If Yes, use Attachment A to explain specific circumstances.

2. In the past five (5) years, has a public entity terminated your firm's contract for cause prior to contract completion?

Yes No

If Yes, use Attachment A to explain specific circumstances and provide principal contact information.

3. In the past five (5) years, has your firm entered into any settlement agreement for any lawsuit that alleged contract default, breach of contract, or fraud with or against a public entity?

Yes No

If Yes, use Attachment A to explain specific circumstances.

4. Is your firm currently involved in any lawsuit with a government agency in which it is alleged that your firm has defaulted on a contract, breached a contract, or committed fraud?

Yes No

If Yes, use Attachment A to explain specific circumstances.

5. In the past five (5) years, has your firm, or any firm with which any of your firm's owners, partners, or officers is or was associated, been debarred, disqualified, removed, or otherwise prevented from bidding on or completing any government or public agency contract for any reason?

Yes No

If Yes, use Attachment A to explain specific circumstances.

6. In the past five (5) years, has your firm received a notice to cure or a notice of default on a contract with any public agency?

Yes No

If Yes, use Attachment A to explain specific circumstances and how the matter resolved.

7. Performance References:

Please provide a minimum of three (3) references familiar with work performed by your firm which was of a similar size and nature to the subject solicitation within the last five (5) years.

Please note that any references required as part of your bid/proposal submittal are in addition to those references required as part of this form.

Company Name: _____

Contact Name and Phone Number: _____

Contact Email: _____

Address: _____

Contract Date: _____

Contract Amount: _____

Requirements of Contract: _____

Company Name: _____

Contact Name and Phone Number: _____

Contact Email: _____

Address: _____

Contract Date: _____

Contract Amount: _____

Requirements of Contract: _____

Company Name: _____

Contact Name and Phone Number: _____

Contact Email: _____

Address: _____

Contract Date: _____

Contract Amount: _____

Requirements of Contract: _____

G. COMPLIANCE:

1. In the past five (5) years, has your firm or any firm owner, partner, officer, executive, or manager been criminally penalized or found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for violating any federal, state, or local law in performance of a contract, including but not limited to, laws regarding health and safety, labor and employment, permitting, and licensing laws?
Yes No

If **Yes**, use Attachment A to explain specific circumstances surrounding each instance. Include the name of the entity involved, the specific infraction(s) or violation(s), dates of instances, and outcome with current status.

2. In the past five (5) years, has your firm been determined to be non-responsible by a public entity?
Yes No

If **Yes**, use Attachment A to explain specific circumstances of each instance. Include the name of the entity involved, the specific infraction, dates, and outcome.

H. BUSINESS INTEGRITY:

1. In the past five (5) years, has your firm been convicted of or found liable in a civil suit for making a false claim or material misrepresentation to a private or public entity?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance. Include the entity involved, specific violation(s), dates, outcome and current status.

2. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a crime, including misdemeanors, or been found liable in a civil suit involving the bidding, awarding, or performance of a government contract?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

3. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a federal, state, or local crime of fraud, theft, or any other act of dishonesty?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

4. Do any of the Principals of your firm have relatives that are either currently employed by the City or were employed by the City in the past five (5) years?

Yes **No**

If **Yes**, please disclose the names of those relatives in Attachment A.

I. BUSINESS REPRESENTATION:

1. Are you a local business with a physical address within the County of San Diego?

Yes **No**

2. Are you a certified Small and Local Business Enterprise certified by the City of San Diego?

Yes **No**

Certification # _____

3. Are you certified as any of the following:

- a. Disabled Veteran Business Enterprise Certification # _____
- b. Woman or Minority Owned Business Enterprise Certification # _____
- c. Disadvantaged Business Enterprise Certification # _____

J. WAGE COMPLIANCE:

In the past five (5) years, has your firm been required to pay back wages or penalties for failure to comply with the federal, state or local **prevailing, minimum, or living wage laws**? **Yes** **No** If **Yes**, use Attachment A to explain the specific circumstances of each instance. Include the entity involved, the specific infraction(s), dates, outcome, and current status.

By signing this Pledge of Compliance, your firm is certifying to the City that you will comply with the requirements of the Equal Pay Ordinance set forth in SDMC sections 22.4801 through 22.4809.

K. STATEMENT OF SUBCONTRACTORS & SUPPLIERS:

Please provide the names and information for all subcontractors and suppliers used in the performance of the proposed contract, and what portion of work will be assigned to each subcontractor. Subcontractors may not be substituted without the written consent of the City. Use Attachment A if additional pages are necessary. If no subcontractors or suppliers will be used, please write "Not Applicable."

Company Name: _____

Address: _____

Contact Name: _____ Phone: _____ Email: _____

Contractor License No.: _____ DIR Registration No.: _____

Sub-Contract Dollar Amount: \$_____ (per year) \$_____ (total contract term)

Scope of work subcontractor will perform: _____

Identify whether company is a subcontractor or supplier: _____

Certification type (check all that apply): DBE DVBE ELBE MBE SLBE WBE Not Certified

Contractor must provide valid proof of certification with the response to the bid or proposal to receive participation credit.

Company Name: _____

Address: _____

Contact Name: _____ Phone: _____ Email: _____

Contractor License No.: _____ DIR Registration No.: _____

Sub-Contract Dollar Amount: \$_____ (per year) \$_____ (total contract term)

Scope of work subcontractor will perform: _____

Identify whether company is a subcontractor or supplier: _____

Certification type (check all that apply): DBE DVBE ELBE MBE SLBE WBE Not Certified

Contractor must provide valid proof of certification with the response to the bid or proposal to receive participation credit.

L. STATEMENT OF AVAILABLE EQUIPMENT:

A full inventoried list of all necessary equipment to complete the work specified may be a requirement of the bid/proposal submission.

By signing and submitting this form, the Contractor certifies that all required equipment included in this bid or proposal will be made available one week (7 days) before work shall commence. In instances where the required equipment is not owned by the Contractor, Contractor shall explain how the equipment will be made available before the commencement of work. The City of San

Diego reserves the right to reject any response, in its opinion, if the Contractor has not demonstrated he or she will be properly equipped to perform the work in an efficient, effective matter for the duration of the contract period.

M. TYPE OF SUBMISSION: This document is submitted as:

Initial submission of *Contractor Standards Pledge of Compliance*

Initial submission of *Contractor Standards Pledge of Compliance* as part of a Cooperative agreement

Initial submission of *Contractor Standards Pledge of Compliance* as part of a Sole Source agreement

Update of prior *Contractor Standards Pledge of Compliance* dated _____.

Complete all questions and sign below.

Under penalty of perjury under the laws of the State of California, I certify that I have read and understand the questions contained in this Pledge of Compliance, that I am responsible for completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Purchasing Agent within five (5) business days if, at any time, I learn that any portion of this Pledge of Compliance is inaccurate. Failure to timely provide the Purchasing Agent with written notice is grounds for Contract termination.

I, on behalf of the firm, further certify that I and my firm will comply with the following provisions of SDMC section 22.3004:

(a) I and my firm will comply with all applicable local, State and Federal laws, including health and safety, labor and employment, and licensing laws that affect the employees, worksite or performance of the contract.

(b) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of receiving notice that a government agency has begun an investigation of me or my firm that may result in a finding that I or my firm is or was not in compliance with laws stated in paragraph (a).

(c) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of a finding by a government agency or court of competent jurisdiction of a violation by the Contractor of laws stated in paragraph (a).

(d) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of becoming aware of an investigation or finding by a government agency or court of competent jurisdiction of a violation by a subcontractor of laws stated in paragraph (a).

(e) I and my firm will cooperate fully with the City during any investigation and to respond to a request for information within ten (10) working days.

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed *Pledge of Compliance* is submitted.

Mike Akins

Name and Title

Signature

Date

City of San Diego
CONTRACTOR STANDARDS
Attachment "A"

Provide additional information in space below. Use additional Attachment "A" pages as needed. Each page must be signed.
Print in ink or type responses and indicate question being answered.

I have read the matters and statements made in this Contractor Standards Pledge of Compliance and attachments thereto and I know the same to be true of my own knowledge, except as to those matters stated upon information or belief and as to such matters, I believe the same to be true. I certify under penalty of perjury that the foregoing is true and correct.

_____	<i>Mike Akins</i>	_____
Print Name, Title	Signature	Date

EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

GOODS AND SERVICES CONTRACTOR REQUIREMENTS

I. City's Equal Opportunity Contracting Commitment.

The City of San Diego (City) promotes equal employment and subcontracting opportunities. The City is committed to ensuring that taxpayer dollars spent on public contracts are not paid to businesses that practice discrimination in employment or subcontracting. The City encourages all companies seeking to do business with the City to share this commitment. Contractors are encouraged to take positive steps to diversify and expand their subcontractor and supplier solicitation base and to offer opportunities to all eligible business firms.

Contractors must submit the required EOCP documentation indicated below with their bids. Contractors who fail to provide the required EOCP documentation are considered non-responsive.

II. Definitions.

Commercially Useful Function: a Small Local Business Enterprise or Emerging Local Business Enterprise (SLBE/ELBE) performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the SLBE/ELBE shall also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.

To determine whether a SLBE/ELBE is performing a commercially useful function, an evaluation will be performed of the amount of work subcontracted, normal industry practices, whether the amount the SLBE/ELBE firm is to be paid under the contract is commensurate with the work it is actually performing and the SLBE/ELBE credit claimed for its performance of the work, and other relevant factors. Specifically, a SLBE/ELBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of meaningful and useful SLBE/ELBE participation, when in similar transactions in which SLBE/ELBE firms do not participate, there is no such role performed.

Disadvantaged Business Enterprise (DBE): a certified business that is (1) at least fifty-one (51%) owned by socially and economically Disadvantaged Individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more socially and economically Disadvantaged Individuals; and (2) whose daily business operations are managed and directed by one or more socially and economically disadvantaged owners. Disadvantaged Individuals include Black Americans, Hispanic Americans, Asian Americans, and other minorities, or individual found to be disadvantaged by the Small Business Administration pursuant to Section 8 of the Small Business Reauthorization Act.

Disabled Veteran: Disabled Veteran Business Enterprise (DVBE): a certified business that is (1) at least fifty-one percent (51%) owned by one or more Disabled Veterans; and (2) business operations must be managed and controlled by one or more Disabled Veterans. A Disabled Veteran is a veteran of the U.S. military, naval, or air service who resides in California and has a service-connected disability of at least 10% or more. The firm shall be certified by the State of California's Department of General Services, Office of Small and Minority Business.

Emerging Business Enterprise (EBE): a business whose gross annual receipts do not exceed the amount set by the City Manager, and which meets all other criteria set forth in regulations implementing the City's Small and Local Business Preference Program. The City Manager shall review the threshold amount for EBEs on an annual basis, and adjust as necessary to reflect changes in the marketplace.

Emerging Local Business Enterprise (ELBE): a Local Business Enterprise that is also an Emerging Business Enterprise.

Local Business Enterprise (LBE): a business that has both a principle place of business and a significant employment presence in the County of San Diego, and that has been in operation for twelve (12) consecutive months.

Minority Business Enterprise (MBE): a certified business that is (1) at least fifty-one percent (51%) owned by one or more minority individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more minority individuals; and (2) whose daily business operations are managed and directed by one or more minorities owners. Minorities include the groups with the following ethnic origins: African, Asian Pacific, Asian Subcontinent, Hispanic, Native Alaskan, Native American, and Native Hawaiian.

Other Business Enterprise (OBE): any business which does not otherwise qualify as Minority, Woman, Disadvantaged, or Disabled Veteran Business Enterprise.

Principle Place of Business: a location wherein a business maintains a physical office and through which it obtains no less than fifty percent (50%) of its gross annual receipts.

Significant Employee Presence: no less than twenty-five percent (25%) of a business's total number of employees.

Small Business Enterprise (SBE): a business whose gross annual receipts do not exceed the amount set by the City Manager, and that meets all other criteria set forth in regulations implementing the City's Small and Local Business Preference Program. The City Manager shall review the threshold amount for SBEs on an annual basis, and adjust as necessary to reflect changes in the marketplace. A business certified as a DVBE by the State of California, and that has provided proof of such certification to the City Manager, shall be deemed to be an SBE.

Small Local Business Enterprise (SLBE): a Local Business Enterprise that is also a Small Business Enterprise.

Women Business Enterprise (WBE): a certified business that is (1) at least fifty-one percent (51 %) owned by a woman or women, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more women; and (2) whose daily business operations are managed and directed by one or more women owners.

III. Disclosure of Discrimination Complaints.

As part of its bid, Contractor shall provide to the City a list of all instances within the past ten (10) years where a complaint was filed or pending against Contractor in a legal or administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken. (Attachment AA).

IV. Workforce Report and Equal Opportunity Outreach Plan.

- A. Work Force Report. Contractors shall submit with their bid a Work Force Report (WFR) for approval by the City. (Attachment BB). If the City determines that there are under representations when compared to County Labor Force Availability data, then the Contractor will also be required to submit an Equal Employment Opportunity Plan (EEOP) to the City for approval. Questions regarding the WFR should be directed to the Equal Opportunity Contracting Department.
- B. Duty to Comply with Equal Opportunity Outreach Plan. A Contractor for whom an EEOP has been approved by the City shall use best efforts to comply with that EEOP.

V. Small and Local Business Program Requirements.

The City has adopted a Small and Local Business Preference Program for goods and services contracts. The SLBE requirements are set forth in Council Policy 100-10. For goods, services, and consultant contracts in which the Purchasing Agent is required to advertise for sealed bids in the City's official newspaper:

- A. The City shall apply a bid discount in the way of:
 - a. Five percent (5%) discount off the bid price for SLBE or ELBE prime contractors; or
 - b. Five percent (5%) discount off the bid price for prime contractors achieving the voluntary goal of twenty percent (20%) for SLBE or ELBE subcontractor participation set forth in Subsection B below.

The discount will not apply if an award to the discounted bidder would result in a total contract cost of \$50,000 in excess of the low, non-discounted bid. In the event of a tie between a discounted bidder and non-

discounted bidder, the discounted bidder will be awarded the contract. The discount shall be taken off the total contract value, including contract option years.

- B. Include a voluntary subcontractor participation requirement of 20% of the total bid price for SLBE or ELBEs.

VI. Maintaining Participation Levels.

- A. Bid discounts are based on the bidder's level of participation proposed prior to the award of the goods, services, or consultant contract. Bidders are required to achieve and maintain the SLBE or ELBE participation levels throughout the duration of the goods, services, or consultant contract.
- B. If the City modifies the original specifications, the bidder shall make reasonable efforts to maintain the SLBE or ELBE participation for which the bid discount was awarded. The City must approve in writing a reduction in SLBE or ELBE participation levels.
- C. Bidder shall notify and obtain written approval from the City in advance of any reduction in subcontract scope, termination, or substitution for a designated SLBE or ELBE subcontractor.
- D. Bidder's failure to maintain SLBE or ELBE participation levels as specified in the goods, services, or consultant contract shall constitute a default and grounds for debarment under Chapter 2, Article 2, Division 8, of the San Diego Municipal Code.
- E. The remedies available to the City under Council Policy 100-10 are cumulative to all other rights and remedies available to the City.

VII. Certifications.

The City accepts certifications of MBE, WBE, DBE, or DVBE from the following certifying agencies:

- A. Current certification by the State of California Department of Transportation (CALTRANS) as DBE.
- B. Current MBE or WBE certification from the California Public Utilities Commission.
- C. DVBE certification is received from the State of California's Department of General Services, Office of Small and Minority Business.
- D. Current certification by the City of Los Angeles as DBE, WBE, or MBE.

Subcontractors' valid proof of certification status e.g., copy of MBE, WBE, DBE, or DVBE certification must be submitted with the ITB. MBE, WBE, DBE, or DVBE certifications are listed for informational purposes only.

VIII. List of Attachments.

- AA. Contractors Certification of Pending Actions
- BB. Work Force Report

AA. CONTRACTORS CERTIFICATION OF PENDING ACTIONS

As part of this Contract, the Contractor must provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Contractor in a legal or administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.


CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Contractor has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Contractor has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/ REMEDIAL ACTION TAKEN

Contractor Name: Ferguson Enterprises, LLC

Certified By Julie Yutesler Title Assistant Secretary

DocuSigned by:

9DD88C0E5422407...
 Name _____ Date May 26, 2020
 Signature _____

Ferguson is a relationship-focused business. It employs approximately 27,000 associates in over 1,400 locations throughout the United States. Ferguson purchases from over 35,000 vendors and sells to over 300,000 customers annually. Given Ferguson's size and scale, it regularly engages in litigation as either a plaintiff or defendant. It also disputes, addresses and resolves as necessary any alleged tax issues; alleged employment-related contributions, withholdings or practices issues; and questions of compliance with other federal, state or local laws. However, we have no knowledge at this time of any current or future potential claim or litigation that will have a material impact on Ferguson's ability to perform the requirements of any prospective contract.

EQUAL OPPORTUNITY CONTRACTING (EOC)

1200 Third Avenue, Suite 200 • San Diego, CA 92101
Phone: (619) 236-6000 • Fax: (619) 236-5904

BB. WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR)*.

**NO OTHER FORMS WILL BE ACCEPTED
CONTRACTOR IDENTIFICATION**

Type of Contractor: Construction Vendor/Supplier Financial Institution Lessee/Lessor
 Consultant Grant Recipient Insurance Company Other

Name of Company: Ferguson Enterprises, LLC

ADA/DBA: Ferguson Waterworks

Address (Corporate Headquarters, where applicable): 12500 Jefferson Avenue

City: Newport News County: Hampton City Cty State: VA Zip: 23602

Telephone Number: 757-874-7795 Fax Number: 757-989-2501

Name of Company CEO: Kevin M. Murphy

Address(es), phone and fax number(s) of company facilities located in San Diego County (if different from above):

Address: 11909 Tech Center Ct

City: Poway County: San Diego State: CA Zip: 92064

Telephone Number: 858-391-3700 Fax Number: 858-391-5958 Email: _____

Type of Business: Large Business Type of License: Class A&B/Business License

The Company has appointed: Charlotte Murch

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: 12500 Jefferson Avenue, Newport News, VA 23602

Telephone Number: 757-989-2870 Fax Number: _____ Email: charlotte.murch@ferguson.com

- One San Diego County (or Most Local County) Work Force - Mandatory
- Branch Work Force *
- Managing Office Work Force

Check the box above that applies to this WFR.

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

I, the undersigned representative of Ferguson Enterprises, LLC dba Ferguson Waterworks

(Firm Name)

San Diego, California hereby certify that information provided

(County) (State)

herein is true and correct. This document was executed on this 6 day of November, 2020

Mike Akins

Digitally signed by Mike Akins
Date: 2020.11.06 21:57:07 -08'00'

(Authorized Signature)

Mike Akins

Digitally signed by Mike Akins
Date: 2020.11.06 21:57:30 -08'00'

(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: Ferguson Enterprises, LLC dba Ferguson Waterworks DATE: 11/6/2020

OFFICE(S) or BRANCH(ES): Poway, CA COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- (1) Black or African-American
- (2) Hispanic or Latino
- (3) Asian
- (4) American Indian or Alaska Native
- (5) Native Hawaiian or Pacific Islander
- (6) White
- (7) Other race/ethnicity; not falling into other groups

Definitions of the race and ethnicity categories can be found on Page 4

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial			1				1				8			
Professional			7		1		1				8	1	1	
A&E, Science, Computer														
Technical														
Sales	1		10								18			
Administrative Support			1								1	1		
Services														
Crafts			11		3						3			1
Operative Workers				5			1				3			
Transportation	1		10								2			
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column	2		40	5	4		3				43	2	1	1
--------------------	---	--	----	---	---	--	---	--	--	--	----	---	---	---

Grand Total All Employees **101**

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: Ferguson Enterprises, LLC dba Ferguson Waterworks

DATE: _____

OFFICE(S) or BRANCH(ES): Poway, CA

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--------------------------------------|---|
| (1) Black or African-American | (5) Native Hawaiian or Pacific Islander |
| (2) Hispanic or Latino | (6) White |
| (3) Asian | (7) Other race/ethnicity; not falling into other groups |
| (4) American Indian or Alaska Native | |

Definitions of the race and ethnicity categories can be found on Page 4

TRADE OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers														
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers														
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators														
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters														
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														

Totals Each Column														
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Grand Total All Employees

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
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Work Force Report

HISTORY

The Work Force Report (WFR) is the document that allows the City of San Diego to analyze the work forces of all firms wishing to do business with the City. We are able to compare the firm's work force data to County Labor Force Availability (CLFA) data derived from the United States Census. CLFA data is a compilation of lists of occupations and includes the percentage of each ethnicity we track (American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Pacific Islander, White, and Other) for each occupation. Currently, our CLFA data is taken from the 2010 Census. In order to compare one firm to another, it is important that the data we receive from the consultant firm is accurate and organized in the manner that allows for this fair comparison.

WORK FORCE & BRANCH WORK FORCE REPORTS

When submitting a WFR, especially if the WFR is for a specific project or activity, we would like to have information about the firm's work force that is actually participating in the project or activity. That is, if the project is in San Diego and the work force is from San Diego, we want a San Diego County Work Force Report¹. By the same token, if the project is in San Diego, but the work force is from another county, such as Orange or Riverside County, we want a Work Force Report from that county². If participation in a San Diego project is by work forces from San Diego County and, for example, from Los Angeles County and from Sacramento County, we ask for separate Work Force Reports representing your firm from each of the three counties.

MANAGING OFFICE WORK FORCE

Equal Opportunity Contracting may occasionally ask for a Managing Office Work Force (MOWF) Report. This may occur in an instance where the firm involved is a large national or international firm but the San Diego or other local work force is very small. In this case, we may ask for both a local and a MOWF Report^{1, 3}. In another case, when work is done only by the Managing Office, only the MOWF Report may be necessary.³

TYPES OF WORK FORCE REPORTS:

Please note, throughout the preceding text of this page, the superscript numbers one ¹, two ² & three ³. These numbers coincide with the types of work force report required in the example. See below:

¹ One San Diego County (or Most Local County) Work Force – Mandatory in most cases

² Branch Work Force *

³ Managing Office Work Force

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

RACE/ETHNICITY CATEGORIES

American Indian or Alaska Native – A person having origins in any of the peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment.

Asian – A person having origins in any of the peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

Black or African American – A person having origins in any of the Black racial groups of Africa.

Native Hawaiian or Pacific Islander – A person having origins in any of the peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

White – A person having origins in any of the peoples of Europe, the Middle East, or North Africa.

Hispanic or Latino – A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin.

Exhibit A: Work Force Report Job Categories – Administration

Refer to this table when completing your firm's Work Force Report form(s).

Management & Financial

Advertising, Marketing, Promotions, Public Relations, and Sales Managers
Business Operations Specialists
Financial Specialists
Operations Specialties Managers
Other Management Occupations
Top Executives

Professional

Art and Design Workers
Counselors, Social Workers, and Other Community and Social Service Specialists
Entertainers and Performers, Sports and Related Workers
Health Diagnosing and Treating Practitioners
Lawyers, Judges, and Related Workers
Librarians, Curators, and Archivists
Life Scientists
Media and Communication Workers
Other Teachers and Instructors
Postsecondary Teachers
Primary, Secondary, and Special Education School Teachers
Religious Workers
Social Scientists and Related Workers

Architecture & Engineering, Science, Computer

Architects, Surveyors, and Cartographers
Computer Specialists
Engineers
Mathematical Science Occupations
Physical Scientists

Technical

Drafters, Engineering, and Mapping Technicians
Health Technologists and Technicians
Life, Physical, and Social Science Technicians
Media and Communication Equipment Workers

Sales

Other Sales and Related Workers
Retail Sales Workers
Sales Representatives, Services
Sales Representatives, Wholesale and Manufacturing
Supervisors, Sales Workers

Administrative Support

Financial Clerks
Information and Record Clerks
Legal Support Workers

Material Recording, Scheduling, Dispatching, and Distributing Workers
Other Education, Training, and Library Occupations
Other Office and Administrative Support Workers
Secretaries and Administrative Assistants
Supervisors, Office and Administrative Support Workers

Services

Building Cleaning and Pest Control Workers
Cooks and Food Preparation Workers
Entertainment Attendants and Related Workers
Fire Fighting and Prevention Workers
First-Line Supervisors/Managers, Protective Service Workers
Food and Beverage Serving Workers
Funeral Service Workers
Law Enforcement Workers
Nursing, Psychiatric, and Home Health Aides
Occupational and Physical Therapist Assistants and Aides
Other Food Preparation and Serving Related Workers
Other Healthcare Support Occupations
Other Personal Care and Service Workers
Other Protective Service Workers
Personal Appearance Workers
Supervisors, Food Preparation and Serving Workers
Supervisors, Personal Care and Service Workers
Transportation, Tourism, and Lodging Attendants

Crafts

Construction Trades Workers
Electrical and Electronic Equipment Mechanics, Installers, and Repairers
Extraction Workers
Material Moving Workers
Other Construction and Related Workers
Other Installation, Maintenance, and Repair Occupations
Plant and System Operators
Supervisors of Installation, Maintenance, and Repair Workers
Supervisors, Construction and Extraction Workers
Vehicle and Mobile Equipment Mechanics,

Installers, and Repairers
Woodworkers

Operative Workers

Assemblers and Fabricators
Communications Equipment Operators
Food Processing Workers
Metal Workers and Plastic Workers
Motor Vehicle Operators
Other Production Occupations
Printing Workers
Supervisors, Production Workers
Textile, Apparel, and Furnishings Workers

Transportation

Air Transportation Workers
Other Transportation Workers
Rail Transportation Workers
Supervisors, Transportation and Material
Moving Workers
Water Transportation Workers

Laborers

Agricultural Workers
Animal Care and Service Workers
Fishing and Hunting Workers
Forest, Conservation, and Logging Workers
Grounds Maintenance Workers
Helpers, Construction Trades
Supervisors, Building and Grounds Cleaning
and Maintenance Workers
Supervisors, Farming, Fishing, and Forestry
Workers

Exhibit B: Work Force Report Job Categories-Trade

Brick, Block or Stone Masons

Brickmasons and Blockmasons
Stonemasons

Carpenters

Carpet, floor and Tile Installers and Finishers

Carpet Installers
Floor Layers, except Carpet, Wood and Hard
Tiles
Floor Sanders and Finishers
Tile and Marble Setters

Cement Masons, Concrete Finishers

Cement Masons and Concrete Finishers
Terrazzo Workers and Finishers

Construction Laborers

Drywall Installers, Ceiling Tile Inst

Drywall and Ceiling Tile Installers
Tapers

Electricians

Elevator Installers and Repairers

First-Line Supervisors/Managers

First-line Supervisors/Managers of
Construction Trades and Extraction Workers

Glaziers

Helpers, Construction Trade

Brickmasons, Blockmasons, and Tile and
Marble Setters
Carpenters
Electricians
Painters, Paperhangers, Plasterers and Stucco
Pipelayers, Plumbers, Pipefitters and
Steamfitters
Roofers
All other Construction Trades

Millwrights

Heating, Air Conditioning and Refrigeration
Mechanics and Installers
Mechanical Door Repairers
Control and Valve Installers and Repairers
Other Installation, Maintenance and Repair
Occupations

Misc. Const. Equipment Operators

Paving, Surfacing and Tamping Equipment
Operators
Pile-Driver Operators
Operating Engineers and Other Construction
Equipment Operators

Painters, Const. Maintenance

Painters, Construction and Maintenance
Paperhangers

Pipelayers and Plumbers

Pipelayers
Plumbers, Pipefitters and Steamfitters

Plasterers and Stucco Masons**Roofers****Security Guards & Surveillance Officers****Sheet Metal Workers****Structural Iron and Steel Workers****Welding, Soldering and Brazing Workers**

Welders, Cutter, Solderers and Brazers
Welding, Soldering and Brazing Machine
Setter, Operators and Tenders

Workers, Extractive Crafts, Miners



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/29/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 E-MAIL ADDRESS: certificates@willis.com		FAX (A/C, No): 1-888-467-2378
	INSURER(S) AFFORDING COVERAGE		
INSURED Ferguson Enterprises, LLC and Subsidiaries (See Attached Named Insured Schedule) 12500 Jefferson Avenue Newport News, VA 23602	INSURER A: Liberty Mutual Fire Insurance Company		NAIC # 23035
	INSURER B: ACE American Insurance Company		22667
	INSURER C: Indemnity Insurance Company of North Ameri		43575
	INSURER D: ACE Fire Underwriters Insurance Company		20702
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: W18532558

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:		Y	TB2-691-468654-010	05/01/2020	05/01/2021	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000	
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> Self-Insured <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> Physical Damage			ISA H25301055	05/01/2020	05/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$	
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$	
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N No	N/A	Y	WLR C66921402	05/01/2020	05/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
B	Workers' Compensation & Employers Liability- CA/MA Per Statute		Y	WLR C66921360	05/01/2020	05/01/2021	E.L. Each Accident \$2,000,000 E.L. Disease - Pol Lmt \$2,000,000 E.L. Disease-Each Emp \$2,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)


RE: (ITB) # 10089690-21-J

Workers Compensation Policy WLR C66921402 provides coverage for AL, AK, AR, AZ, CO, CT, DC, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, ME, MD, MI, MN, MO, MS, MT, NC, NE, NH, NJ, NM, NV, NY, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WV.

SEE ATTACHED

CERTIFICATE HOLDER

CANCELLATION

City of San Diego, a municipal corporation Attn: Janet Polite, Sr. Procurement Contracting Officer 1200 Third Avenue, Suite 200 San Diego, CA 92101	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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ADDITIONAL REMARKS SCHEDULE

AGENCY Willis Towers Watson Northeast, Inc.		NAMED INSURED Ferguson Enterprises, LLC and Subsidiaries (See Attached Named Insured Schedule)	
POLICY NUMBER See Page 1		12500 Jefferson Avenue Newport News, VA 23602	
CARRIER See Page 1	NAIC CODE See Page 1	EFFECTIVE DATE: See Page 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

The City, its officers, officials, employees, and volunteers are included as Additional Insureds under General Liability as required by written contract but only with respect to liability arising out of Named Insured's operations.

General Liability policy shall be Primary and Non-Contributory with any other insurance in force for or which may be purchased by Additional Insureds.

Waiver of Subrogation applies in favor of City of San Diego, a municipal corporation with respects to Workers Compensation as per written contract or agreement.

INSURER AFFORDING COVERAGE: ACE Fire Underwriters Insurance Company NAIC#: 20702
 POLICY NUMBER: RWCC66921281 EFF DATE: 05/01/2020 EXP DATE: 05/01/2021

SUBROGATION WAIVED: Y

TYPE OF INSURANCE:	LIMIT DESCRIPTION:	LIMIT AMOUNT:
Workers' Compensation & Employers Liability - WI Per Statute	E.L. Each Accident	\$2,000,000
	E.L. Disease -Pol Lmt	\$2,000,000
	E.L. Disease-Each Emp	\$2,000,000

FERGUSON ENTERPRISES, LLC
ACTIVE DBA SUBSIDIARY LIST

<u>Entity Name</u>	<u>Entity Name</u>
AC Wholesalers	Ferguson International
Action Automation, a Wolseley Industrial Group company (eff 8/20/2018)	Ferguson Panama, S.A.
Action Plumbing Supply (effective 7/15/2019)	Ferguson Parts & Packaging
ADL (effective 7/16/2018)	Ferguson Valve & Automation
Alaska Pipe & Supply	Ferguson Waterworks
Andrews Lighting & Hardware Gallery	Ferguson Waterworks - Municipal Pipe
The Ar-Jay Center	Ferguson Waterworks - Red Hed
Atlantic American Fire Equipment Company	Ferguson Waterworks EPPCO
Avallon Global	Ferguson Waterworks International
BAC Appliance Center	Galleria Bath & Kitchen Showplace
Bath + Beyond	Grand Junction Pipe (effective 9/24/2018)
Bayport Partners, LLC	HM Wallace, Inc.
Blackman Plumbing Supply, LLC (effective 12/11/2018)	H. P. Products Corporation
Brock-McVey (effective 7/30/2018)	HP Logistic, Inc.
Bruce-Rogers Company	Improvement Brands Holdings, Inc.
Build.com, Inc. (fka Improvement Direct, Inc.)	Industrial Hub of the Carolinas
Cal-Steam	Innovative Soil Solutions LLC (effective 7/29/2019)
Capital Distributing (effective 10/29/2018)	James Martin Signature Vanities, LLC (effective 1/28/2019)
City Lights Design Showroom	J&G Products
CFP	Jones Stephens Corp. (effective 8/13/2018)
Clawfoot Supply, LLC	Jones Stephens Global Sourcing (Wuxi) Ltd. (effective 8/13/2018)
Cline Contract Sales	J.D. Daddario Company
Columbia Pipe & Supply LLC (eff 3/13/2020)	Joseph G. Pollard Co.
Custom Lighting & Hardware	JWIT Hydrotherapy Bath Solutions (effective 3/16/2020)
Davies Water	Karl's Appliances
DBS Holdings, Inc.	Kitchen Art (effective 2/4/2019)
Dealernet	Lakeland Plumbing Supply, LLC
Duhig Stainless (effective 3/12/2018)	Lighting Design Center
Energy & Process Corporation	Lighting Unlimited
Equarius Waterworks, Meter & Automation Group	Lincoln Products
Factory Direct Appliance	Linwood Pipe and Supply
Ferguson Bath & Kitchen Gallery	Living Direct, Inc.
Ferguson Bath, Kitchen & Lighting Gallery	Louisiana Utilities Supply Company
Ferguson.com	LUSCO
Ferguson CESCO, Inc.	Mahwah Realty, LLC
Ferguson Direct	Maskir Properties Inc.
Ferguson CeSCO, Inc.	Matera Paper Company, Inc.
Ferguson Enterprises, Inc.	Max Industries, Ltd. (effective 1/28/2019)
Ferguson Enterprises, LLC	McFarland Supply
Ferguson Enterprises of Virginia, LLC	MFP Design (effective 3/25/2020)
Ferguson Facilities Supply (FEI)	Michigan Meter
Ferguson Facilities Supply (for Matera Paper -TX only)	Millennium Lighting, Inc. (effective 8/27/2018)
Ferguson Facilities Supply, Dogwood Building Supply Division (eff 10/22/18)	Mission Valley Pipe (effective 6/3/2019)
Ferguson Fire & Fabrication, Inc.	Mississippi Utility Supply Co. (MUSCO)
Ferguson Fire & Fabrication International	Myers HVAC Supply
Ferguson Heating & Cooling	National Fire Products
Ferguson Hospitality Sales	New Jersey Plumbing Group, LLC
Ferguson HVAC – Air Cold	New York Plumbing Designs, LLC
Ferguson HVAC – EastWest Air	North Point Plumbing Supply, LLC
Ferguson HVAC – Lyon Conklin	Orange County Plumbing Group, LLC
Ferguson Integrated Services	Palm Designs LLC

**FERGUSON ENTERPRISES, LLC
ACTIVE DBA SUBSIDIARY LIST**

PAGE 2 - DBA & SUBSIDIARY LIST	Entity Name
<u>Entity Name</u>	Wolseley Industrial Group
PCS Industries	Wolseley Integrated de Mexico S.A. de C.V.
PL Sourcing	Wolseley Investments North America, Inc.
Plumb Source	Wolseley Investments, Inc.
Plumbing Décor	Wolseley NA Construction Services, LLC
Plumbing Holdings Corp.	Wolseley NA Finance, Inc.
Pollardwater	Wolseley Staffing de Mexico S.A. de C.V.
Powell Pipe & Supply Co.	WPCC Forwarding
Power Equipment Direct Inc.	Wright Plumbing Supply
Process Instruments & Controls, LLC (effective 9/9/2019)	
Professional's Bath Source	
PV Sullivan Supply	
Ramapo Wholesalers	
RB Huntington Realty, LLC	
Rencor Controls (effective 3/16/2020)	
Robertson Supply (effective 11/19/2018)	
Rocky Hollow Realty, LLC	
Renwes Sales	
Redlon & Johnson	
Reese Kitchen, Bath & Lighting Gallery	
S.W. Anderson Sales Corporation (effective 11/11/2019)	
Safe Step Walk in Tub, LLC (effective 7/31/2018)	
SG Supply Co.	
Ship-Pac	
Signature Hardware	
SimplyPlumbing, LLC	
SOS Sales	
Southampton Realty Corp.	
Stock Loan Services, LLC	
Supply.com	
Tarpon Wholesale Supplies	
The Davidson Group	
The Plumbing Source	
The Stock Market	
Tinkar Realty, LLC	
TotalFab, LLC	
TPW Kitchen & Bath	
Wallwork (effective 12/10/2018)	
Wanlyn Realty Corp.	
Waterworks Industries	
Webb Distributors	
Western Air Supply	
Westfield Lighting	
Wholesale Group	
Wholesale Group Operations, Inc.	
Wolseley (Barbados) Ltd	
Wolseley de Puerto Rico, Inc.	
Wolseley Financial Services	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
<p>Any person or organization to whom you become obligated to include as an additional insured under this policy as a result of any contract or agreement you enter into which requires you to furnish insurance to that person or organization of the type provided by this policy, but only with respect to liability arising out of your operations or premises owned by or rented by you.</p> <p>However, the insurance provided will not exceed the lesser of:</p> <ul style="list-style-type: none">.The coverage and/or limits of this policy, or.The coverage and/or limits required by said contract or agreement.	<p>All locations.</p>
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
Any person or organization to whom you become obligated to include as an additional insured under this policy as a result of any contract or agreement you enter into.	All locations.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

Workers' Compensation and Employers' Liability Policy

Named Insured FERGUSON US HOLDINGS, LLC 12500 JEFFERSON AVENUE NEWPORT NEWS VA 23602	Endorsement Number
	Policy Number Symbol: RW0000 Number: C66921281
Policy Period 03-01-2020 TO 05-01-2021	Effective Date of Endorsement 05-01-2020
Issued By (Name of Insurance Company) ACE FIRE UNDERWRITERS INS CO	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.	

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

Schedule

ANY PERSON OR ORGANIZATION AGAINST WHOM YOU HAVE AGREED TO WAIVE YOUR RIGHT OF RECOVERY IN A WRITTEN CONTRACT, PROVIDED SUCH CONTRACT WAS EXECUTED PRIOR TO THE DATE OF LOSS.

For the states of CA, UT, TX, refer to state specific endorsements.

This endorsement is not applicable in KY, NH, and NJ.

The endorsement does not apply to policies in Missouri where the employer is in the construction group of code classifications. According to Section 287.150(6) of the Missouri statutes, a contractual provision purporting to waive subrogation rights against public policy and void where one party to the contract is an employer in the construction group of code classifications.

For Kansas, use of this endorsement is limited by the Kansas Fairness in Private Construction Contract Act(K.S.A.. 16-1801 through 16-1807 and any amendments thereto) and the Kansas Fairness in Public Construction Contract Act(K.S.A 16-1901 through 16-1908 and any amendments thereto). According to the Acts a provision in a contract for private or public construction purporting to waive subrogation rights for losses or claims covered or paid by liability or workers compensation insurance shall be against public policy and shall be void and unenforceable except that, subject to the Acts, a contract may require waiver of subrogation for losses or claims paid by a consolidated or wrap-up insurance program.



Authorized Representative

Workers' Compensation and Employers' Liability Policy

Named Insured FERGUSON US HOLDINGS, LLC 12500 JEFFERSON AVENUE NEWPORT NEWS VA 23602	Endorsement Number
	Policy Number Symbol: WLB Number: C66921360
Policy Period 03-01-2020 TO 05-01-2021	Effective Date of Endorsement 05-01-2020
Issued By (Name of Insurance Company) ACE AMERICAN INSURANCE COMPANY	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.	

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

Schedule

ANY PERSON OR ORGANIZATION AGAINST WHOM YOU HAVE AGREED TO WAIVE YOUR RIGHT OF RECOVERY IN A WRITTEN CONTRACT, PROVIDED SUCH CONTRACT WAS EXECUTED PRIOR TO THE DATE OF LOSS.

For the states of CA, UT, TX, refer to state specific endorsements.

This endorsement is not applicable in KY, NH, and NJ.

The endorsement does not apply to policies in Missouri where the employer is in the construction group of code classifications. According to Section 287.150(6) of the Missouri statutes, a contractual provision purporting to waive subrogation rights against public policy and void where one party to the contract is an employer in the construction group of code classifications.

For Kansas, use of this endorsement is limited by the Kansas Fairness in Private Construction Contract Act(K.S.A.. 16-1801 through 16-1807 and any amendments thereto) and the Kansas Fairness in Public Construction Contract Act(K.S.A 16-1901 through 16-1908 and any amendments thereto). According to the Acts a provision in a contract for private or public construction purporting to waive subrogation rights for losses or claims covered or paid by liability or workers compensation insurance shall be against public policy and shall be void and unenforceable except that, subject to the Acts, a contract may require waiver of subrogation for losses or claims paid by a consolidated or wrap-up insurance program.



Authorized Representative

Workers' Compensation and Employers' Liability Policy

Named Insured FERGUSON US HOLDINGS, LLC 12500 JEFFERSON AVENUE NEWPORT NEWS VA 23602	Endorsement Number
	Policy Number Symbol: WLB Number: C66921402
Policy Period 03-01-2020 TO 05-01-2021	Effective Date of Endorsement 05-01-2020
Issued By (Name of Insurance Company) INDEMNITY INS. CO. OF NORTH AMERICA	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.	

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Authorized Representative

ABS DWV

List Price Schedule ABS-617
Effective June 1, 2017
(Updated October 23, 2017)
Supersedes Price Schedule ABS-317

Possession of this price list shall not be construed as an offer to sell the products listed.
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ASTM D 2661

>> ABS Drain-Waste-Vent Fittings

For Non-Pressure Applications

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
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Part No. ABS 100
Coupling
(HxH)

1¼ *	14212	100	4900	\$4.34
1½	02701	100	5600	2.84
2	02702	100	4900	3.81
3	02703	60	1080	10.70
4	02704	25	700	19.26
6	02705	15	180	80.69



Part No. ABS 101
Female Adapter
(HxFPT)

1½	02706	100	5600	\$5.27
2	02707	100	4900	8.29
3	02708	30	1470	22.19
4	02709	10	560	25.36
6	02710	10	180	96.98



Part No. ABS 102
Pipe Increaser-Reducer
(HxH)

1½x2	02711	25	3600	\$8.19
1½x3	02712	25	1400	24.29
2x3	02713	20	1600	19.46
2x4	02714	10	800	40.53
3x4	02715	20	1120	36.32



Part No. ABS 103
Trap Adapter - Male
(SPGxSLIP)

1½	02717	50	7200	\$6.56
2	02718	25	3600	26.63



Part No. ABS 103P
Trap Adapter - Male
(SPG x SLIP with Washer & Polyethylene Nut)

1½x1¼ *	02719	75	6000	\$9.42
1½	02720	50	5600	7.55



Part No. ABS 103R
Trap Adapter - Male with 1½" Plastic Nut and Washers to Fit 1½" and 1¼" Traps
(SPG x SLIP with Plastic Nut)

1½ *	12514	50	5600	\$7.38
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Part No. ABS 103W
Trap Adapter - Male
(SPG x SLIP with Washer & Plastic Nut)

1½x1¼ *	13272	75	6000	\$9.13
1½ *	12477	50	5600	7.93
2 *	12715	25	3600	20.88



Part No. ABS 103X
Trap Adapter - Male
(SPG x SLIP with Washer & Chrome Nut)

1½	02723	50	5600	\$11.15
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Part No. ABS 104
Trap Adapter - Female
(HxSLIP)

1½x1¼ *	02727	50	5600	\$8.20
1½	02728	50	7200	6.59

H = Hub
SPG = Spigot
SLIP = Slip
MPT = Male Pipe Thread
FPT = Female Pipe Thread

*ABS-DWV Fittings Not Listed by IAPMO



You can't beat the system.®

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 104P Trap Adapter - Female (H x SLIP with Washer & Polyethylene Nut)					Part No. ABS 106 Cleanout Plug (MPT)			
1½x1¼*	02729	50	5600	\$8.67	1½	02753	50	7200	\$3.63
1½	02730	50	5600	7.94	2	02754	50	7200	4.74
	Part No. ABS 104R Trap Adapter with 1½'' Plastic Nut and Washers to Fit 1½'' and 1¼'' Traps (H x SLIP with Plastic Nut)				2½*	02755	25	3600	14.57
1½ *	04859	50	5600	\$8.10	3	02756	25	3600	7.76
	Part No. ABS 104W Trap Adapter - Female (H x SLIP with Washer & Plastic Nut)				3½	02757	30	3360	28.88
1½x1¼ *	13276	50	5600	\$8.24	4	02758	30	2400	13.43
1½ *	12476	50	5600	7.21	6*	02759	10	800	45.44
	Part No. ABS 104X Trap Adapter - Female (H x SLIP with Washer & Chrome Nut)					Part No. ABS 107 Flush Bushing (SPG x H)			
1½*	02732	50	5600	\$11.35	1½x1¼	02765	100	14400	\$14.91
1½x1¼	02731	50	5600	11.03	2x1¼ *	12526	50	7200	6.02
2	13278	50	5600	27.40	2x1½	02766	50	7200	4.65
	Part No. ABS 105 Fitting Cleanout Adapter (SPG x FPT)				3x1½	02767	30	2400	20.47
1½	02735	50	7200	\$5.79	3x2	02768	30	2400	12.77
2	02736	50	4000	8.80	4x2	02769	30	1470	38.05
3	02737	25	1225	22.52	4x3	02770	30	1470	20.15
4	02738	10	560	41.85	6x4	02771	10	490	106.86
	Part No. ABS 105X Fitting Cleanout Adapter with Cleanout Plug (SPIGOT x FPT)					Part No. ABS 109 Male Adapter (Will not accept a tail piece) (MPT x H)			
1½	02741	50	5600	\$10.63	1½	02782	50	7200	\$4.47
2	02742	50	2800	13.70	2	02784	50	5600	7.15
3	02743	25	1125	30.32	3	02785	25	1400	20.97
4	02744	10	560	55.71	4	02786	25	875	42.56
	Part No. ABS 110 Flush Cleanout Plug (MPT)					Part No. ABS 111 Male Fitting Adapter (SPG x MPT)			
2	02787	25	7200	\$21.14	1½	02793	50	7200	\$12.90
3	02788	50	7200	24.14	2	14302	25	3600	\$26.63
4	02789	25	3600	24.53					

Note: Shading indicates new item.

*ABS-DWV fittings not listed by IAPMO









Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 113 Tray Plug Adapter (SPIGOT)					Part No. ABS 123 Hub Adapter, Cast Iron (Plain End: Joint can be made with compression gasket only.) (H x SPG) (Adapts DWV Spigot to Cast Iron Hub)			
1½ *	13642	50	2450	\$9.62	2x2	02812	20	1600	\$39.67
	Part No. ABS 114 Threaded Cap (FPT)				4x4	14213	20	1600	54.58
1½	02796	15	5400	\$8.90		Part No. ABS 130 Repair Coupling (H x H)			
	Part No. ABS 116 Cap (SOCKET)				1½ *	02826	25	3600	\$20.32
1½	02797	10	2880	\$10.18	2*	02827	25	3600	10.83
2	02798	5	1800	14.08	3*	02828	10	1120	26.89
3	02799	10	1440	25.59	4*	02829	5	560	51.71
4	02800	5	560	28.48		Part No. 131** Test Cap			
6 ^(F)	14303	5	175	59.44	1½ *				**
	Part No. ABS 117 Adapter Coupling (Adapts S&D Spigot to DWV Spigot) (H x H)				2*				**
4x3	02801	20	1120	\$28.54	3*				**
	Part No. ABS 118 Adapter Bushing (Adapts DWV Hub to S&D Spigot) (DWV SPIGOT x HUB)				4*				**
4	02803	10	1440	\$19.50		Part No. ABS 300 1/4 Bend (H x H)			
	Part No. ABS 119 No-Hub Adapter (SPG x H) (Adapts Cast Iron NH Spigot to DWV Spigot)				1½	02840	100	2800	\$5.92
2	02805	25	3600	\$15.60	2	02841	50	1400	9.11
3	02807	20	1600	26.54	3	02842	25	450	22.95
4	02808	15	840	42.08	4	02843	10	180	47.40
	Part No. ABS 122 Spigot Adapter, Cast Iron (H x H) (Adapts Cast Iron Spigot to DWV Spigot)				6	02844	5	60	202.14
2x2	02810	10	1440	\$35.98		Part No. ABS 300R 1/4 Bend, Reducing (H x H)			
4x4	02811	15	420	67.30	2x1½ *	04195	10	1440	\$32.95
	Part No. ABS 300S 1/4 Bend with Side Inlet (H x H)				3x3x2 *	02846	10	350	\$58.73

^(F) Flat

* ABS-DWV fittings not listed by IAPMO

** Please see listing for Part No. PVC 131 in our PVC DWV price sheet.

Note: Shading indicates new item.












Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
 Part No. ABS 302 1/4 Bend, Street (SPG x H)					 Part No. ABS 320 1/6 Bend, Street (H x SPG)				
1½	02850	100	3500	\$7.02	1½	02871	40	3200	\$29.34
2	02851	50	1750	11.72	2	02872	25	2000	32.66
3	02852	20	560	24.78	3	02873	20	700	93.51
4	02853	10	180	56.37					
 Part No. ABS 303 1/4 Bend with Low Heel Inlet (ALL HUB)					 Part No. ABS 321 1/8 Bend (H x H)				
3x3x2	02856	25	400	\$35.50	1½	02875	100	3500	\$5.40
4x4x2	14214	15	180	106.24	2	02876	50	1750	8.37
					3	02877	20	560	20.06
					4	02878	10	280	37.99
					6	02879	3	84	158.02
 Part No. ABS 304 Long Sweep 1/4 Bend (H x H)					 Part No. ABS 323 1/8 Bend, Street (SPG x H)				
1½	02858	50	1750	\$9.61	1½	02880	100	3500	\$6.75
2	02859	25	1225	12.75	2	02881	50	1750	8.96
3	02860	10	350	31.20	3	02882	20	700	20.32
4	02861	5	175	53.66	4	02883	10	280	35.30
					6	02884	3	84	212.09
 Part No. ABS 307 Long Sweep 1/4 Bend with Low Heel Inlet (H x H x H)					 Part No. ABS 324 1/16 Bend (H x H)				
3x3x1½ *	13469	25	300	\$55.53	1½	02886	50	4000	\$7.27
3x3x2	13280	25	300	52.49	2	02887	25	2000	9.01
					3	02888	20	700	23.31
					4	02889	15	420	35.48
					6	02890	3	84	394.77
 Part No. ABS 309 Long Sweep 1/4 Bend, Street (H x SPG)					 Part No. ABS 326 1/16 Bend, Street (SPG x H)				
1½	04193	50	2450	\$13.40	1½	02891	50	4000	\$22.64
2	04191	25	1225	15.14	2	02892	25	2800	20.48
3	02864	20	360	56.75	3	02893	20	700	34.74
					4	02894	10	490	60.62
 Part No. ABS 310 1/4 Bend, Street with Low Heel Inlet (H x SPG x H)					 Part No. ABS 327 Double 1/4 Bend (ALL HUB)				
3x3x2	02865	15	420	\$55.76	1½*	02896	20	1600	\$22.76
					2*	02897	25	875	35.69
					2x1½x1½*	02898	25	1400	32.90
					3*	02899	10	280	117.83
 Part No. ABS 319 1/6 Bend (H x H)									
1½	02867	40	3200	\$9.61					
2	02868	25	1400	13.63					
3	02869	20	560	47.88					
4	02870	10	280	72.27					

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 328X Closet Bend, Reducing, Short with Test Cap (HxSPG)					Part No. ABS 401 Sanitary Tee, Reducing (ALL HUB)			
3x4	14295	10	280	\$52.93	2x1½x1½	02932	25	1225	\$12.01
	Part No. ABS 329 Closet Bend, Reducing (HxH)				2x1½x2	02933	25	875	13.56
3x4	02900	10	280	\$34.13	2x2x1½	02934	50	900	11.73
	Part No. ABS 330 Closet Bend, Reducing (HxSPG)				3x3x1½	02935	20	560	23.17
3x4	02901	10	280	\$59.85	3x3x2	02936	10	490	26.86
	Part No. ABS 330X Closet Bend, Reducing with Test Cap (HxSPG)				4x4x2	02938	10	280	64.42
3x4*	02902	10	280	\$64.73	4x4x3	02939	10	180	60.32
	Part No. ABS 331 Vent Ell (HxH)				6x6x4*	02940	6	72	354.64
1½	02904	20	2880	\$9.11		Part No. ABS 403 Sanitary Tee, Street (SPG x H x H)			
2	02905	30	1680	15.71	1½	02942	20	1600	\$21.90
3	02906	25	700	40.92	2	02943	25	875	29.62
	Part No. ABS 333 Vent Ell, Street (HxSPG)				3	02944	30	360	50.76
1½	02907	25	2800	\$9.34	4	02945	10	160	154.54
2	02908	20	2240	\$15.05		Part No. ABS 404 Sanitary Tee, Street, Reducing (SPG x H x H)			
	Part No. ABS 400 Sanitary Tee (ALL HUB)				2x1½x1½	02946	25	1225	\$21.99
1½	02927	100	1800	\$8.75	2x1½x2	02947	25	875	36.47
2	02928	35	980	13.49	2x2x1½	02948	50	1400	23.67
3	02929	30	360	36.91	3x3x1½	02949	10	490	69.50
4	02930	5	140	65.61	3x3x2	02950	20	560	60.68
6	02931	6	72	327.34		Part No. ABS 416 Sanitary Tee with Left Side Inlet (ALL HUB)			
					3x3x3x1½	14215	10	280	\$62.78
					3x3x3x2	02958	10	280	71.60
						Part No. ABS 417 Sanitary Tee with Right Side Inlet (ALL HUB)			
					3x3x3x1½	12525	10	280	\$62.78
					3x3x3x2	02961	10	280	71.60
						Part No. ABS 418 Sanitary Tee with Right and Left Side Inlets (ALL HUB)			
					3x3x3x2x2	14216	10	280	\$85.06


Note: Shading indicates new item.

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
 Part No. ABS 428 Double Sanitary Tee (ALL HUB)					 Part No. ABS 500 Double Fixture Fitting (ALL HUB)				
1½	02964	25	1225	\$21.00	2	03007	20	560	\$50.99
2	02965	20	700	33.36	2x1½x1½x1½	03009	20	700	34.66
3	02966	20	240	87.38	2x1½x2x2	03010	20	560	53.50
4	02967	4	112	157.82	2x2x1½x1½	04894	20	700	36.75
					3*	03008	10	160	117.92
					3x2x3x3*	03011	10	160	125.54
 Part No. ABS 429 Double Sanitary Tee, Reducing (ALL HUB)					 Part No. ABS 501 Combination Wye and 1/8 Bend (One Piece) (ALL HUB)				
2x2x1½x1½	02968	20	980	\$23.86	1½	03012	50	900	\$20.91
3x3x1½x1½	02969	20	360	86.98	2	03013	20	560	23.31
3x3x2x2	02970	10	350	53.08	3	03014	10	180	55.02
4x4x2x2	02971	5	245	149.77	4	03015	10	120	105.71
4x4x3x3	02972	5	140	144.07					
 Part No. ABS 441 Vent Tee (ALL HUB)					 Part No. ABS 502 Combination Wye and 1/8 Bend, Reducing (One Piece) (ALL HUB)				
1½	02977	25	2000	\$22.61	2x1½x1½	03016	5	720	\$35.42
2	02978	25	1225	22.20	2x2x1½	03018	20	980	21.29
3	02979	10	490	73.97	3x3x1½	03019	15	420	55.61
					3x3x2	03020	10	350	35.75
					4x4x2	03021	5	175	64.75
					4x4x3	03022	5	140	83.06
 Part No. ABS 444X Cleanout Tee with Cleanout Plug (HxH)					 Part No. ABS 600 Wye (ALL HUB)				
1½	02986	10	1440	\$25.35	1½	03037	50	1400	\$13.33
2	02987	10	1120	27.76	2	03038	25	875	17.38
3	02988	10	490	50.80	3	03039	25	300	41.02
4	02989	5	175	107.27	4	03040	5	140	83.42
					6	03041	4	48	251.01
 Part No. ABS 445 Flush Cleanout Tee (HxHx FPT)					 Part No. ABS 601 Wye, Reducing (ALL HUB)				
1½	02990	20	2240	\$20.98	2x1½x1½	03042	25	1225	\$25.52
2	02991	20	980	22.89	2x1½x2	03043	10	800	43.49
3	02992	10	490	42.97	2x2x1½	03044	25	1225	21.66
4	02993	10	180	92.85	3x3x1½	03045	15	525	33.02
					3x3x2	03046	25	400	28.58
					4x4x1½*	03047	5	175	104.96
					4x4x2	03048	10	180	48.66
					4x4x3	03049	10	160	65.82
					6x6x4*	03051	5	60	199.61
 Part No. ABS 448 Two-Way Cleanout (ALL HUB)									
3*	03004	10	180	\$76.75					
4*	03005	5	90	121.38					

Note: Shading indicates new item.

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 602 Wye, Street (SPG x H x H)					Part No. ABS 707X P-Trap with Cleanout (H x H)			
1½	14292	50	1750	\$12.00	1½*	03092	10	1120	\$30.97
2	03055	30	840	33.15	2*	03093	10	560	74.77
3	03056	10	280	81.77					
4	14296	5	140	110.63					
	Part No. ABS 603 Wye, Street, Reducing (SPG x H x H)					Part No. ABS 708P P-Trap (H x H with Plastic Nut)			
3x3x2*	03060	30	480	\$71.80	1½	03096	25	875	\$25.23
4x4x3	13464	10	160	106.83	2	03097	20	560	50.48
	Part No. ABS 611 Double Wye (ALL HUB)					Part No. ABS 708X P-Trap (H x H with Chrome Nut)			
1½	03062	40	1120	\$42.90	1½	03098	25	1225	\$45.90
2	03063	20	560	51.20					
3	03064	15	180	120.31					
4	03065	5	80	235.57					
	Part No. ABS 612 Double Wye, Reducing (ALL HUB)					Part No. ABS 711P L.A. Pattern P-Trap Furnished with 1½" and 1½" x 1¼" Polyethylene nut/washer combination. (SLIP x H with Plastic Nut)			
2x2x1½x1½	03066	10	560	\$47.30	1½	03102	25	700	\$40.14
3x3x2x2	03068	10	280	83.78					
4x4x3x3	03070	5	90	186.53					
	Part No. ABS 700 Return Bend (H x H)					Part No. ABS 711W L.A. Pattern P-Trap with Union and Plastic Nut Furnished with 1½" and 1½" x 1¼" Plastic nut/washer combination. (SLIP with Union x H)			
1½	03074	20	1600	\$14.59	1½*	13281	25	700	\$41.54
2	03075	35	630	19.76					
3	03076	10	280	122.25					
4	03077	5	140	220.87					
	Part No. ABS 704P Tail Piece Adapter with Plastic Nut and Packing Ring (SPG x SLIP)					Part No. ABS 720X Drum Trap (H x H)			
1½	03081	25	3600	\$18.31	3x6x1½*	03106	15	420	\$69.14
	Part No. ABS 706X P-Trap (H x H)					Part No. ABS 800 Closet Flange (H)			
1½	03084	25	1225	\$18.76	4x3	03108	25	700	\$23.91
2	03085	20	560	24.73	4x4	03109	25	700	19.99
3	03086	10	180	97.75					
4	03087	4	72	196.18		Part No. ABS 800K Closet Flange with Knock Out (H)			
					4x3*	03110	25	700	\$29.16

Note: Shading indicates new item.

*ABS-DWV fittings not listed by IAPMO

Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each	Size	UPC# 611942-	No. Per Carton	No. Per Pallet	List Price Each
	Part No. ABS 800S Closet Flange with Stop (H)					Part No. ABS 815K Flush Closet Flange with Knockout (Fits Over 3" Pipe or Inside 4" Pipe)			
4x3	04197	25	700	\$17.34	4x4/4x3*	03125	25	875	\$52.41
	Part No. ABS 801 Closet Flange, Reducing (SPIGOT)					Part No. ABS 820 Offset Closet Flange, Adjustable (with Metal Ring) (1 1/2" Offset) (H)			
4x3	03112	25	875	\$32.20	4x3*	03126	15	525	\$79.04
	Part No. ABS 808 Male Closet Flange (MPT)					Part No. ABS 820P Offset Closet Flange, Adjustable (with ABS Plastic Ring) (1 1/2" Offset) (H)			
4x3	14294	25	700	\$22.40	4x3*	10193	15	525	\$110.07
	Part No. ABS 811 Closet Flange, Adjustable (with Metal Ring) (H)					Part No. ABS 824 Closet Flange, Adjustable (with Metal Ring and 4" Extended Spigot) (SPIGOT)			
4x3	03116	25	700	\$54.65	4	03129	20	360	\$92.38
4x4	03117	25	700	49.79		Part No. ABS 900 Swivel Tray Plug Adapter with Washer (SPG x FPT)			
	Part No. ABS 811P Closet Flange, Adjustable (with ABS Plastic Ring) (H)				1 1/2	04161	10	1440	\$18.33
4x3*	10189	25	700	\$54.58		Part No. ABS 900X Swivel Tray Plug Adapter with Washer, Extended (SPG x FPT)			
4x4*	10190	25	700	55.64	1 1/2*	13463	10	2880	\$19.18
	Part No. ABS 812 Closet Flange, Adjustable (with Metal Ring) (SPIGOT)					Part No. ABS 910 Swivel Tray Plug Adapter with Washer (H x FPT)			
4x3	03120	25	875	\$56.34	1 1/2	04162	10	1440	\$17.48
4x4	03121	25	700	66.64	Note: Shading indicates new item.				
	Part No. ABS 812P Closet Flange, Adjustable (with ABS Plastic Ring) (SPIGOT)								
4x3*	10191	25	875	\$74.63					
	Part No. ABS 815 Flush Closet Flange (Fits Over 3" Pipe or Inside 4" Pipe)								
4x4/4x3*	03124	25	875	\$48.53					

*ABS-DWV Fittings Not Listed by IAPMO

Terms of Sale

We are pleased to present our list price schedule for use in ordering Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products. To determine current prices, please refer to the prices shown in the list price schedule. You may seek further clarification from our local manufacturers' agent or the factory sales office. **All prices in list price schedules are subject to change without notice. Orders will be billed at the prevailing price at the time of shipment.** All quotations, sales, and agreements are subject to strikes, accidents, transportation failures or other causes beyond our control. Any tax, effective under present or future laws, shall be added as an extra to the price of the product and shall be paid by the purchaser. **Possession of product information or list price schedules shall not be construed as an offer to sell the product listed.**

ARBITRATION: CHARLOTTE PIPE AND CUSTOMER AGREE THAT ANY DISPUTE, CLAIM OR CONTROVERSY OF ANY NATURE, WHETHER BASED ON CONTRACT, TORT, STATUTE, OR ANY OTHER LEGAL OR EQUITABLE THEORY, ARISING OUT OF OR RELATED TO THE SALE OF PRODUCTS FROM CHARLOTTE PIPE TO CUSTOMER SHALL BE RESOLVED THROUGH BINDING ARBITRATION ADMINISTERED PURSUANT TO TITLE 9 OF THE U.S. CODE BY JAMS UNDER ITS COMPREHENSIVE ARBITRATION RULES AND PROCEDURES, AND JUDGMENT ON THE AWARD ENTERED BY THE ARBITRATOR(S) MAY BE ENTERED BY ANY COURT HAVING JURISDICTION THEREOF. EITHER PARTY MAY APPLY TO THE ARBITRATOR SEEKING INJUNCTIVE RELIEF UNTIL THE ARBITRATION AWARD IS ENTERED OR THE MATTER IS RESOLVED. EITHER PARTY ALSO MAY, WITHOUT WAIVING ANY REMEDY AVAILABLE TO IT, SEEK FROM ANY COURT OF COMPETENT JURISDICTION ANY PROVISIONAL OR INTERIM RELIEF THAT IS NECESSARY TO PROTECT ITS RIGHTS PENDING THE ARBITRATOR(S)' DETERMINATION OF THE MERITS OF THE DISPUTE, CLAIM OR CONTROVERSY.

CLASS ACTION WAIVER: CHARLOTTE PIPE AND CUSTOMER AGREE THAT THERE WILL BE NO RIGHT OR AUTHORITY FOR ANY CLAIM, DISPUTE AND/OR CONTROVERSY COVERED UNDER THE PARTIES' AGREEMENT TO ARBITRATE TO BE BROUGHT, HEARD, OR ARBITRATED AS A CLASS ACTION AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. NOR SHALL THE ARBITRATOR(S) HAVE ANY AUTHORITY TO HEAR OR ARBITRATE ANY SUCH CLASS AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. REGARDLESS OF ANYTHING ELSE IN THESE TERMS AND CONDITIONS OR BY VIRTUE OF ANY ARBITRATION RULES OR PROCEDURES OF THE AAA THAT NOW APPLY OR ANY AMENDMENTS AND/OR MODIFICATIONS TO THOSE RULES, THE ENFORCEABILITY AND VALIDITY OF THIS CLASS ACTION WAIVER MAY BE DETERMINED ONLY BY A COURT AND NOT BY AN ARBITRATOR. NOTWITHSTANDING ANY OTHER CLAUSE CONTAINED IN THESE TERMS AND CONDITIONS, THIS CLAUSE ENTITLED CLASS ACTION WAIVER SHALL NOT BE SEVERABLE FROM THESE TERMS AND CONDITIONS IN ANY CASE IN WHICH THE DISPUTE TO BE ARBITRATED IS BROUGHT AS A CLASS AND/OR COLLECTIVE ACTION. THIS CLASS ACTION WAIVER AND THE AGREEMENT TO ARBITRATE ANY CLAIM, DISPUTE OR CONTROVERSY PRECLUDES CUSTOMER FROM LITIGATING IN COURT OR ARBITRATING ANY CLAIMS AGAINST CHARLOTTE PIPE AS A REPRESENTATIVE OR MEMBER OF A CLASS OR IN A PRIVATE ATTORNEY GENERAL CAPACITY.

Limited Warranty

Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products are warranted to be free from manufacturing defects and to conform to currently applicable ASTM standards for a period of five (5) years from date of delivery. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than their intended purpose as defined by local plumbing and building codes, and the applicable ASTM standard.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the applicable ASTM or CISPI standards or that are not marked in a manner to indicate the entity that manufactured them.
- 4) In hubless cast iron installations, this warranty will not apply if products are joined with unshielded hubless couplings. Charlotte Pipe requires that its hubless cast iron pipe and fittings be joined only with shielded hubless couplings manufactured in accordance with CISPI 310, ASTM C 1277 and certified by NSF® International or with Heavy Duty Couplings meeting ASTM C 1540.
- 5) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 6) The Products have been the subject of modification; misuse; misapplication; improper maintenance or repair; damage caused by the fault or negligence of

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



Charlotte, Charlotte Pipe and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.

PO BOX 35430 CHARLOTTE, NORTH CAROLINA 28235
SALES PHONE (704) 348 6450 (800) 572 4199
TECHNICAL PHONE (800) 438 6091 FAX (800) 553 1605
WWW.CHARLOTTEPIPE.COM

anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.

- 7) The Products fail due to the freezing of water in the Products.
- 8) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents that are not compatible.
- 9) Pipe outlets, sound attenuation systems or other devices are permanently attached to the surface of Charlotte® PVC, ABS or CPVC products with solvent cement or adhesive glue.

Charlotte Pipe products are manufactured to the applicable ASTM or CISPI standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:

Charlotte Pipe and Foundry Company
Attention: Technical Services
2109 Randolph Road
Charlotte, North Carolina 28207

Purchaser must obtain a return materials authorization and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.


Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

4/24/15

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

You can't beat the system.®

You can't beat the system.®

List Prices & Specifications On

Plastic Pipe

For Drainage & Pressure Applications

[Updated September 11, 2017]

SPECIFICATIONS

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All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

**Prices published in this guide are list prices.
Please contact Charlotte Pipe® or one of our distributors for net prices.**

Possession of this price list shall not be construed as an offer to sell the products listed.

ABS Plus, ReUze, RePVC, Charlotte Pipe, Charlotte, ChemDrain and “You can’t beat the system” are registered trademarks of Charlotte Pipe and Foundry Company.
FlowGuard Gold is a registered trademark of Lubrizol Corp.



Pipe Reference Guide



Product	Sizes Available																			
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	15	16	
ChemDrain® CPVC Schedule 40 ★							•	•		•	•		•	•						
FlowGuard Gold® CPVC CTS SDR 11			•	•	•	•	•	•												
ReUze® CPVC CTS SDR 11			•	•	•		•	•												
PVC Schedule 80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PVC Schedule 40			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PVC Schedule 40 DWV ★						•	•	•		•	•	•	•	•	•	•	•	•	•	•
RePVC® Schedule 40 DWV with Recycled Content ★							•	•		•	•		•	•						
PVC Schedule 30 ★										•										
PVC DWV Foam Core ★							•	•		•	•		•	•	•	•				
PVC Well Casing								•	•	•	•		•	•	•	•	•			•
PVC SDR 13.5 (PR315)			•																	
PVC SDR 21 (PR200)				•	•	•	•	•												
PVC SDR 26 (PR160)						•	•	•		•										
PVC SDR 35 Sewer Main Belled-End ★†											•		•							
PVC SDR 35 Sewer Main Gasketed ★†											•		•	•						
PVC D 2729 Sewer and Drain ★†										•	•									
ABS DWV Foam Core ★							•	•		•	•		•							
ABS Plus® DWV Foam Core ★							•	•		•	•									

★ Non-Pressure
† Not NSF Listed

You can't beat the system.®

Notes:

1. End treatments are Plain and Belled. Consult factory for availability.
2. Lengths are 10 and 20 feet (14 and 20 feet for Gasketed Sewer Main. Consult factory for availability and non-standard lengths.
3. PVC Schedule 40 Bell End and PVC Well Casing pipe lengths for sizes 4", 6", and 8" are 20 feet plus the bell (20 foot laying length). The length for all other sizes of Schedule 40 Bell End pipe and PVC Well Casing pipe are 20 feet, including the bell.
4. PVC SDR 35 Sewer Main Pipe in 14 foot lengths are 14 feet plus the bell (14 foot laying length).

ABS Plus, ReUze, RePVC, ChemDrain and "You can't beat the system" and are registered trademarks of Charlotte Pipe and Foundry Company. FlowGuard Gold is a registered trademark of Lubrizol Corp.

ABS Foam Core DWV Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.



>> ABS Schedule 40 DWV Pipe (For Non-Pressure Applications)

ABS SCHEDULE 40 FOAM CORE (BLACK)				PLAIN END			ASTM F 628	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
ABS 3112	1½" x 10'	03132	2590'	2.500	1.900	0.145	27.1	\$113.20
ABS 3112	1½" x 20'	03133	5180'	5.000	1.900	0.145	27.1	\$113.20
ABS 3200	2" x 10'	03134	1670'	2.500	2.375	0.154	37.7	\$151.90
ABS 3200	2" x 20'	03135	3340'	5.000	2.375	0.154	37.7	\$151.90
ABS 3300	3" x 10'	03136	750'	2.500	3.500	0.216	74.5	\$314.00
ABS 3300	3" x 20'	03137	1500'	5.000	3.500	0.216	74.5	\$314.00
ABS 3400	4" x 10'	03138	480'	2.500	4.500	0.237	107.1	\$449.00
ABS 3400	4" x 20'	03139	960'	5.000	4.500	0.237	107.1	\$449.00
ABS 3600	6" x 20'	03141	400'	5.000	6.625	0.280	187.8	\$914.70

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

NSF Listed. Meets All Requirements of ASTM F 628.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS / ABS Plus® cellular core (foam core) pipe for pressure applications. The use of cellular core pipe in pressure applications may result in system failure and property damage.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

ABS Plus® Foam Core DWV Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.
ABS Plus is a registered trademark of Charlotte Pipe and Foundry Company.



>> ABS Plus® Schedule 40 DWV Pipe (For Non-Pressure Applications)

ABS PLUS® SCHEDULE 40 FOAM CORE (BLACK)					PLAIN END		ASTM F 1488	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
APA 17112	1½" x 10'	12495	2590'	2.500	1.900	0.145	31.4	\$113.20
APA 17112	1½" x 20'	12494	5180'	5.000	1.900	0.145	31.4	\$113.20
APA 17200	2" x 10'	12497	1670'	2.500	2.375	0.154	41.9	\$151.90
APA 17200	2" x 20'	12496	3340'	5.000	2.375	0.154	41.9	\$151.90
APA 17300	3" x 10'	12499	750'	2.500	3.500	0.216	84.0	\$314.00
APA 17300	3" x 20'	12498	1500'	5.000	3.500	0.216	84.0	\$314.00
APA 17400	4" x 10'	12501	480'	2.500	4.500	0.237	118.8	\$449.00
APA 17400	4" x 20'	12500	960'	5.000	4.500	0.237	118.8	\$449.00

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

NSF Listed. Meets All Requirements of ASTM F 1488.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS / ABS Plus® cellular core (foam core) pipe for pressure applications. The use of cellular core pipe in pressure applications may result in system failure and property damage.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Foam Core DWV Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.



>> PVC Schedule 40 DWV Pipe (For Non-Pressure Applications)

PVC SCHEDULE 40 FOAM CORE (WHITE)				PLAIN END			ASTM F 891	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 4112	1½" x 10'	04178	1650'	1.785	1.785	0.145	32.3	\$89.00
PVC 4112	1½" x 20'	04177	3300'	3.570	1.900	0.145	32.3	\$89.00
PVC 4200	2" x 10'	04174	1110'	1.780	2.375	0.154	43.3	\$120.00
PVC 4200	2" x 20'	04173	2220'	3.570	2.375	0.154	43.9	\$120.00
PVC 4300	3" x 10'	03934	1040'	4.160	3.500	0.216	89.7	\$245.00
PVC 4300	3" x 20'	03935	920'	3.570	3.500	0.216	89.7	\$245.00
PVC 4400	4" x 10'	03936	600'	4.160	4.500	0.237	123.8	\$336.00
PVC 4400	4" x 20'	03937	1200'	7.144	4.500	0.237	123.8	\$336.00
PVC 4600	6" x 10'	03938	280'	4.160	6.625	0.280	235.0	\$569.00
PVC 4600	6" x 20'	03939	560'	8.330	6.625	0.280	235.0	\$569.00
PVC 4800	8" x 20'	03941	360'	8.330	8.625	0.322	371.0	\$854.00
PVC 4910	10" x 20'	03942	220'	8.330	10.750	0.365	566.3	\$1,425.00
PVC 4912	12" x 20'	03943	120'	8.928	12.750	0.406	700.0	\$2,095.00

PVC SCHEDULE 40 FOAM CORE (WHITE)				BELL-END				
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 4300B	3" x 20'	04782	920'	3.570	3.500	0.216	89.7	\$306.00
PVC 4400B	4" x 10'	04783	540'	4.160	4.500	0.237	123.8	\$420.00
PVC 4400B	4" x 20'	04784	1080'	7.144	4.500	0.237	123.8	\$420.00
PVC 4600B	6" x 10'	09904	240'	4.160	6.625	0.280	235.0	\$711.00
PVC 4600B	6" x 20'	04786	480'	8.330	6.625	0.280	235.0	\$711.00

NOTE: When ordering, please specify plain end or bell-end.
For truckloads of mixed sizes, multiply skids desired by
truckload percent per skid.

NSF Listed. Meets All Requirements of ASTM F 891.

NOTICE

NOT FOR PRESSURE

Do not use RePVC DWV pipe for pressure applications. The use of co-extruded DWV pipe in pressure applications may result in system failure and property damage.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

RePVC® DWV Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.
RePVC and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.



>> PVC Schedule 40 DWV Pipe with Recycled Content

PVC SCHEDULE 40 (WHITE)			PLAIN END FOR NON-PRESSURE APPLICATIONS				ASTM F 1760	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 15112	1½" x 20'	11744	3300'	3.570	1.900	0.145	50.7	\$123.00
PVC 15200	2" x 20'	11745	2220'	3.570	2.375	0.154	68.1	\$167.00
PVC 15300	3" x 20'	11746	920'	3.570	3.500	0.216	141.2	\$328.00
PVC 15400	4" x 20'	11748	1200'	7.144	4.500	0.237	201.2	\$458.00
PVC 15600	6" x 20'	11749	560'	8.330	6.625	0.280	353.7	\$1,042.00
PVC 15800	8" x 20'	11984	360'	8.330	8.625	0.322	544.6	\$1,330.00

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

NSF Listed. Meets All Requirements of ASTM D 4396 and ASTM F 1760.

You can't beat the system.®

NOTICE

NOT FOR PRESSURE

Do not use RePVC DWV pipe for pressure applications. The use of co-extruded DWV pipe in pressure applications may result in system failure and property damage.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Schedule 40 DWV Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.



>> **PVC Schedule 40 DWV Pipe**

PVC SCHEDULE 40 (WHITE)			PLAIN END		PVC 1120		ASTM D 2665	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 7100*	1¼"x10'	03945	2120'	1.780	1.660	.140	42.4	\$106.00
PVC 7100*	1¼"x20'	03946	4240'	4.166	1.660	.140	42.4	\$106.00
PVC 7112*	1½"x10'	03947	1650'	1.780	1.900	.145	51.8	\$124.00
PVC 7112*	1½"x20'	03948	3300'	3.570	1.900	.145	51.8	\$124.00
PVC 7200*	2"x10'	03949	1110'	1.780	2.375	.154	69.5	\$162.00
PVC 7200*	2"x20'	03950	2220'	3.570	2.375	.154	69.5	\$162.00
PVC 7300*	3"x10'	03951	1040'	4.160	3.500	.216	144.2	\$326.00
PVC 7300*	3"x20'	03952	920'	3.570	3.500	.216	144.2	\$326.00
PVC 7400†	4"x10'	03953	600'	4.160	4.500	.237	205.5	\$460.00
PVC 7400†	4"x20'	03954	1200'	7.144	4.500	.237	205.5	\$460.00
PVC 7500†	5"x20'	04837	760'	7.144	5.563	.258	272.5	\$630.00
PVC 7600†	6"x10'	03955	280'	4.160	6.625	.280	361.2	\$816.00
PVC 7600†	6"x20'	03956	560'	8.330	6.625	.280	361.2	\$816.00
PVC 7800†	8"x10'	13087	180'	4.160	8.625	.322	543.6	\$1240.00
PVC 7800†	8"x20'	03958	360'	8.330	8.625	.322	543.6	\$1240.00
PVC 7910†	10"x20'	03959	220'	8.330	10.750	.365	770.7	\$1900.00
PVC 7912†	12"x20'	03961	120'	7.144	12.750	.406	1019.0	\$2778.00
PVC 7914†	14"x20'	04862	60'	4.160	14.000	.437	1205.0	\$3281.00
PVC 7916†	16"x20'	04918	60'	5.000	16.000	.500	1575.7	\$4290.00

* Dual marked ASTM D 1785 and ASTM D 2665.
† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480.

NOTE: When ordering, please specify plain end or bell end. For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

NSF Listed. Meets All Requirements of ASTM D 1784, ASTM D 1785, and ASTM D 2665.

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WARNING

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AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Pipe: Schedule 40



>> PVC Schedule 40 Pipe - Plain End

PVC SCHEDULE 40 (WHITE)			PLAIN END		PVC 1120			ASTM D 1785	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 4005	½" x 10'	06658	4500'	2.083	.840	.109	600 PSI	15.9	\$ 41.60
PVC 4005	½" x 20'	03922	9000'	4.166	.840	.109	600 PSI	15.9	\$ 41.60
PVC 4007	¾" x 10'	06661	3500'	2.083	1.050	.113	480 PSI	21.1	\$ 54.00
PVC 4007	¾" x 20'	03925	7000'	4.166	1.050	.113	480 PSI	21.1	\$ 54.00
PVC 4010	1" x 10'	06664	3000'	2.083	1.315	.133	450 PSI	31.3	\$ 79.60
PVC 4010	1" x 20'	03928	6000'	4.166	1.315	.133	450 PSI	31.3	\$ 79.60
PVC 7100*	1¼" x 10'	03945	2120'	1.780	1.660	.140	370 PSI	42.4	\$106.00
PVC 7100*	1¼" x 20'	03946	4240'	4.166	1.660	.140	370 PSI	42.4	\$106.00
PVC 7112*	1½" x 10'	03947	1650'	1.780	1.900	.145	330 PSI	51.8	\$124.00
PVC 7112*	1½" x 20'	03948	3300'	3.570	1.900	.145	330 PSI	51.8	\$124.00
PVC 7200*	2" x 10'	03949	1110'	1.780	2.375	.154	280 PSI	69.5	\$162.00
PVC 7200*	2" x 20'	03950	2220'	3.570	2.375	.154	280 PSI	69.5	\$162.00
PVC 4025‡	2½" x 20'	04205	1360'	3.570	2.875	.203	300 PSI	110.0	\$257.00
PVC 7300*	3" x 10'	03951	1040'	4.160	3.500	.216	260 PSI	144.2	\$326.00
PVC 7300*	3" x 20'	03952	920'	3.570	3.500	.216	260 PSI	144.2	\$326.00
PVC 7400†	4" x 10'	03953	600'	4.160	4.500	.237	220 PSI	205.5	\$460.00
PVC 7400†	4" x 20'	03954	1200'	7.144	4.500	.237	220 PSI	205.5	\$460.00
PVC 7500†	5" x 20'	04837	760'	7.144	5.563	.258	190 PSI	272.5	\$630.00
PVC 7600†	6" x 10'	03955	280'	4.160	6.625	.280	180 PSI	361.2	\$816.00
PVC 7600†	6" x 20'	03956	560'	8.330	6.625	.280	180 PSI	361.2	\$816.00
PVC 7800†	8" x 10'	13087	180'	4.160	8.625	.322	160 PSI	543.6	\$1240.00
PVC 7800†	8" x 20'	03958	360'	8.330	8.625	.322	160 PSI	543.6	\$1240.00
PVC 7910†	10" x 20'	03959	220'	8.330	10.750	.365	140 PSI	770.7	\$1900.00
PVC 7912†	12" x 20'	03961	120'	7.144	12.750	.406	130 PSI	1019.0	\$2778.00
PVC 7914†	14" x 20'	04862	60'	4.160	14.000	.437	130 PSI	1205.0	\$3281.00
PVC 7916†	16" x 20'	04918	60'	5.000	16.000	.500	130 PSI	1575.7	\$4290.00

* Dual marked ASTM D 1785 and ASTM D 2665.

† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480.

‡ Dual marked ASTM D 1785 and ASTM F 480.

NOTE: When ordering, please specify plain end or bell end.

NSF Listed. Meets All Requirements of ASTM D 1784 and ASTM D 1785.

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WARNING

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- Refer to warnings on PPA's website and ASTM D 1785.

>> **PVC Schedule 40 Pipe - Bell End***

PVC SCHEDULE 40 (WHITE)				BELL END			PVC 1120		ASTM D 1785	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER PER SKID	TRUCKLOAD PERCENT SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 4005B**	½"x10'	04986	6000'	2.083	.840	.109	600 PSI	2.00	15.9	\$ 41.60
PVC 4005B**	½"x20'	03923	9000'	4.166	.840	.109	600 PSI	2.00	15.9	\$ 41.60
PVC 4007B**	¾"x10'	04987	4000'	2.083	1.050	.113	480 PSI	2.25	21.1	\$ 54.00
PVC 4007B**	¾"x20'	03926	7000'	4.166	1.050	.113	480 PSI	2.25	21.1	\$ 54.00
PVC 4010B**	1"x10'	04988	3000'	1.780	1.315	.133	450 PSI	2.50	31.3	\$ 79.60
PVC 4010B**	1"x20'	03929	6000'	3.570	1.315	.133	450 PSI	2.50	31.1	\$ 79.60
PVC 4012B§	1¼"x10'	04989	2000'	2.083	1.660	.140	370 PSI	2.75	42.4	\$108.40
PVC 4012B§	1¼"x20'	03930	4000'	3.570	1.660	.140	370 PSI	2.75	42.4	\$108.40
PVC 4015B§	1½"x10'	04990	1650'	1.785	1.900	.145	330 PSI	3.00	51.8	\$127.60
PVC 4015B§	1½"x20'	03931	3300'	3.570	1.900	.145	330 PSI	3.00	51.8	\$127.60
PVC 4020B†	2"x10'	04991	1110'	1.786	2.375	.154	280 PSI	4.00	69.5	\$165.60
PVC 4020B†	2"x20'	03932	2220'	3.570	2.375	.154	280 PSI	4.00	69.5	\$165.60
PVC 4025B‡	2½"x20'	04206	1360'	3.570	2.875	.203	300 PSI	4.00	110.0	\$262.00
PVC 7300B§	3"x10'	04853	1040'	4.160	3.500	.216	260 PSI	4.00	147.6	\$340.00
PVC 4030B†	3"x20'	03933	920'	3.570	3.500	.216	260 PSI	4.00	144.2	\$340.00
PVC 7400B§	4"x10'	04835	540'	4.160	4.500	.237	220 PSI	4.00	212.3	\$489.00
PVC 9400B†	4"x20'	03964	1080'	7.144	4.500	.237	220 PSI	5.00	210.6	\$489.00
PVC 7600B§	6"x10'	04850	240'	4.160	6.625	.280	180 PSI	6.50	379.3	\$852.00
PVC 9600B†	6"x20'	03965	480'	7.144	6.625	.280	180 PSI	6.50	373.2	\$852.00
PVC 7800B†	8"x10'	09903	100'	2.500	8.625	.322	160 PSI	7.00	556.9	\$1296.00
PVC 9800B†	8"x20'	03967	200'	5.000	8.625	.322	160 PSI	7.00	564.0	\$1296.00
PVC 7910B†	10"x20'	03960	160'	6.250	10.750	.365	140 PSI	9.00	781.4	\$1940.00
PVC 7912B†	12"x20'	03962	120'	7.144	12.750	.406	130 PSI	10.00	1033.2	\$2836.00
PVC 7914B†	14"x20'	04863	60'	4.160	14.000	.437	130 PSI	10.00	1221.8	\$3350.00
PVC 7916B†	16"x20'	04929	60'	5.000	16.000	.500	130 PSI	10.00	1594.5	\$4380.00

* Bell dimensions meet either ASTM D 2672 or ASTM F 480, depending upon pipe diameter

** ASTM D 1785

§ Dual Marked ASTM D 1785 & ASTM D 2665

† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480

‡ Dual Marked ASTM D 1785 & ASTM F 480

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AIR/GAS

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>> **PVC Well Casing**

PVC SCHEDULE 40 (WHITE)			BELL END WELL CASING			PVC 1120		ASTM F 480	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 4020B	2" x 20'	03932	2220'	3.570	2.375	.154	4.00	69.5	\$ 165.60
PVC 4025B	2½" x 20'	04206	1360'	3.570	2.875	.203	4.00	110.0	\$ 262.00
PVC 4030B	3" x 20'	03933	920'	3.570	3.500	.216	4.00	144.2	\$ 340.00
PVC 9400B	4" x 20'	03964	1080'	7.144	4.500	.237	5.00	210.6	\$ 489.00
PVC 9600B	6" x 20'	03965	480'	7.144	6.625	.280	6.50	373.2	\$ 852.00
PVC 9800B	8" x 20'	03967	200'	5.000	8.625	.322	7.00	564.0	\$1296.00
PVC 7910B	10" x 20'	03960	160'	6.250	10.750	.365	9.00	781.4	\$1940.00
PVC 7912B	12" x 20'	03962	120'	7.144	12.750	.406	10.00	1033.2	\$2836.00
PVC 7914B	14" x 20'	04863	60'	4.160	14.000	.437	10.00	1221.8	\$3350.00
PVC 7916B	16" x 20'	04929	60'	5.000	16.000	.500	10.00	1594.5	\$4380.00

>> **PVC SDR Pipe**

PR 200		PVC 1120		BELL END			ASTM D 2241		SDR 21	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 23155B	*1½" x 20'	03991	9000'	3.570	.840	.062	315 PSI	2.00	10.0	\$ 27.00
PVC 20007B	¾" x 10'	10742	3500'	2.083	1.050	.060	200 PSI	2.25	12.7	\$ 32.80
PVC 20007B	¾" x 20'	03984	7000'	3.570	1.050	.060	200 PSI	2.25	12.7	\$ 32.80
PVC 20010B	1" x 20'	03986	6000'	4.166	1.315	.063	200 PSI	2.50	16.9	\$ 42.00
PVC 20012B	1¼" x 20'	03987	4000'	4.166	1.660	.079	200 PSI	2.75	25.5	\$ 66.00
PVC 20015B	1½" x 20'	03988	3300'	3.570	1.900	.090	200 PSI	3.00	32.4	\$ 86.40
PVC 20020B	2" x 20'	03989	2220'	3.570	2.375	.113	200 PSI	4.00	50.8	\$126.00

*PR 315 / SDR 13.5

PR 160		PVC 1120		BELL END			ASTM D 2241		SDR 26	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 16012B	1¼" x 20'	04211	4000'	4.166	1.660	.064	160 PSI	2.75	21.5	\$ 52.00
PVC 16015B	1½" x 20'	04210	3300'	3.570	1.900	.073	160 PSI	3.00	27.0	\$ 67.00
PVC 16020B	2" x 20'	04212	2220'	3.570	2.375	.091	160 PSI	4.00	41.4	\$103.00
PVC 16030B	3" x 20'	04222	960'	3.570	3.500	.135	160 PSI	4.00	90.8	\$223.00

NOTE: When ordering, please specify plain end or bell end.

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FlowGuard Gold® Pipe

Possession of this price list shall not be construed as an offer to sell the products listed. FlowGuard Gold is a registered trademark of Lubrizol Corp.



>> CPVC Copper Tube Size Pipe

STRAIGHT LENGTHS			PLAIN END SDR 11 CPVC COPPER TUBE SIZE PIPE					ASTM D 2846		
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER BUNDLE	TRUCKLOAD PERCENT PER SKID	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
CTS 12005	½" x 10'	04979	500'	2.083	12,000'	.625	.068	400 PSI	8.3	\$242.00
CTS 12005	½" x 20'	04993	1,000'	5.000	24,000'	.625	.068	400 PSI	8.3	\$242.00
CTS 12007	¾" x 10'	04980	250'	2.083	6,000'	.875	.080	400 PSI	13.9	\$372.00
CTS 12007	¾" x 20'	05145	500'	5.000	12,000'	.875	.080	400 PSI	13.9	\$372.00
CTS 12010	1" x 10'	05146	150'	2.083	3,600'	1.125	.102	400 PSI	22.2	\$798.00
CTS 12010	1" x 20'	05147	300'	5.000	7,200'	1.125	.102	400 PSI	22.2	\$798.00
CTS 12012	1¼" x 10'	05148	100'	2.083	2,400'	1.375	.125	400 PSI	33.3	\$1,393.00
CTS 12012	1¼" x 20'	05321	200'	5.000	4,800'	1.375	.125	400 PSI	33.3	\$1,393.00
CTS 12015	1½" x 10'	05150	60'	2.083	1,440'	1.625	.148	400 PSI	46.6	\$1,853.00
CTS 12015	1½" x 20'	05306	120'	5.000	2,880'	1.625	.148	400 PSI	46.6	\$1,853.00
CTS 12020	2" x 10'	05152	40'	2.083	960'	2.125	.193	400 PSI	79.5	\$3,127.00
CTS 12020	2" x 20'	05322	80'	5.000	1,920'	2.125	.193	400 PSI	79.5	\$3,127.00

NOTE: STRAIGHT LENGTH PIPE ARE SHIPPED IN FULL BUNDLE QUANTITY ONLY.

COILED PIPE SDR 11			COILED SDR CPVC COPPER TUBE SIZE PIPE					ASTM D 2846		
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER BUNDLE	TRUCKLOAD PERCENT PER SKID	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
CTS 12005	½" x 150'	05313	150'	4.166	3,750'	.625	.068	400 PSI	8.3	\$415.00
CTS 12007	¾" x 100'	05314	100'	4.166	2,500'	.875	.080	400 PSI	13.9	\$820.00
CTS 12010	1" x 100'	10643	100'	4.166	1,200'	1.125	.102	400 PSI	22.2	\$1,491.00

NSF Listed. Meets All Requirements of ASTM D 2846.

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ReUze[®] Pipe

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ReUze and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.



>> CPVC Copper-Tube-Size Pipe for Non-Potable Water Distribution

STRAIGHT LENGTHS			PLAIN END SDR 11 CPVC COPPER TUBE SIZE PIPE						ASTM D 2846	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER BUNDLE	TRUCKLOAD PERCENT PER SKID	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
CTS 12005 RU	1/2" x 20'	11642	1,000'	5.000	24,000'	.625	.068	400 PSI	8.3	\$156.00
CTS 12007 RU	3/4" x 20'	11643	500'	5.000	12,000'	.875	.080	400 PSI	13.9	\$282.00
CTS 12010 RU	1" x 20'	11644	300'	5.000	7,200'	1.125	.102	400 PSI	22.2	\$575.00
CTS 12015 RU	1 1/2" x 20'	11645	120'	5.000	2,880'	1.625	.148	400 PSI	46.6	\$1,133.00
CTS 12020 RU	2" x 20'	11646	80'	5.000	1,920'	2.125	.193	400 PSI	79.5	\$1,918.00

NOTE: STRAIGHT LENGTH PIPE ARE SHIPPED IN FULL BUNDLE QUANTITY ONLY.

NSF Listed. Meets All Requirements of ASTM D 2846.

Due to conflicting requirements in the plumbing codes, pipe marking may not be in conformance with local code requirements. Check code requirements for conformance with all local plumbing and building codes.

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PVC Schedule 80 Pipe

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>> PVC Schedule 80 Pipe, Type 1, Grade 1 - Plain End

ASTM D 1784 & ASTM D 1785

PVC SCHEDULE 80 (GRAY)			PLAIN END				PVC 1120		
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 10002	¼"x20'	04920	15140'	2.083	0.540	.119	1130 PSI	10.0	\$ 117.40
PVC 10003	⅜"x20'	04917	9360'	2.083	0.675	.126	920 PSI	13.8	\$ 132.95
PVC 10005	½"x20'	03968	6880'	2.083	0.840	.147	850 PSI	20.3	\$ 55.60
PVC 10007	¾"x20'	03969	4200'	2.083	1.050	.154	690 PSI	27.5	\$ 72.00
PVC 10010	1"x20'	03970	3540'	2.191	1.315	.179	630 PSI	40.5	\$ 105.00
PVC 10012	1¼"x20'	03973	4240'	4.166	1.660	.191	520 PSI	55.9	\$ 141.00
PVC 10015	1½"x20'	03976	3300'	3.570	1.900	.200	470 PSI	67.7	\$ 169.00
PVC 10020	2"x20'	03977	2220'	3.570	2.375	.218	400 PSI	93.6	\$ 228.00
PVC 10025	2½"x20'	03978	1360'	3.570	2.875	.276	420 PSI	142.8	\$ 284.00
PVC 10030	3"x20'	03979	960'	3.570	3.500	.300	370 PSI	194.2	\$ 448.00
PVC 10040	4"x20'	03980	1080'	7.144	4.500	.337	320 PSI	279.3	\$ 652.00
PVC 10050	5"x20'	04831	760'	7.144	5.563	.375	290 PSI	387.3	\$ 784.90
PVC 10060	6"x20'	03981	480'	7.144	6.625	.432	280 PSI	532.7	\$1255.00
PVC 10080	8"x20'	04175	300'	8.330	8.625	.500	250 PSI	808.9	\$1852.00
PVC 10100	10"x20'	04768	160'	7.144	10.750	.593	230 PSI	1199.3	\$2760.00
PVC 10120	12"x20'	04770	120'	8.928	12.750	.687	230 PSI	1650.1	\$3795.00
PVC 10140	14"x20'	04816	60'	4.160	14.000	.750	220 PSI	1930.0	\$4830.00
PVC 10160	16"x20'	04919	60'	5.000	16.000	.843	220 PSI	2544.1	\$6106.00

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

Full pallets are polyethylene wrapped for cleanliness and UV protection.

NSF Listed. Meets All Requirements of ASTM D 1784 and ASTM D 1785.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Schedule 80 Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.



>> PVC Schedule 80 Pipe, Type 1, Grade 1 - Belled End

ASTM D 1784 & ASTM D 1785

PVC SCHEDULE 80 (GRAY)			BELLED-END				PVC 1120		
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	MAX WORK PRESSURE AT 23° C OR 73° F	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 10005B	½" x 20'	04924	6880'	2.083	0.840	.147	850 PSI	20.3	\$ 59.00
PVC 10007B	¾" x 20'	04925	4200'	2.083	1.050	.154	690 PSI	27.0	\$ 76.00
PVC 10010B	1" x 20'	04926	3540'	2.083	1.315	.179	630 PSI	40.5	\$ 111.00
PVC 10012B	1¼" x 20'	04927	4240'	4.166	1.660	.191	520 PSI	55.9	\$ 148.00
PVC 10015B	1½" x 20'	04928	3300'	3.570	1.900	.200	470 PSI	67.7	\$ 178.00
PVC 10020B	2" x 20'	04764	2220'	3.570	2.375	.218	400 PSI	93.6	\$ 230.00
PVC 10025B	2½" x 20'	04875	1360'	3.570	2.875	.276	420 PSI	142.8	\$ 286.00
PVC 10030B	3" x 20'	04776	960'	3.570	3.500	.300	370 PSI	191.1	\$ 450.00
PVC 10040B	4" x 20'	04774	1080'	7.144	4.500	.337	320 PSI	279.3	\$ 654.00
PVC 10060B	6" x 20'	04763	480'	7.144	6.625	.432	280 PSI	532.7	\$1256.00
PVC 10080B	8" x 20'	04766	300'	7.144	8.625	.500	250 PSI	808.9	\$1853.00
PVC 10100B	10" x 20'	04769	160'	8.928	10.750	.593	230 PSI	1199.3	\$2762.00
PVC 10120B	12" x 20'	04771	120'	7.144	12.750	.687	230 PSI	1650.1	\$3797.00
PVC 10140B	14" x 20'	04832	60'	4.160	14.000	.750	220 PSI	1930.0	\$4830.00
PVC 10160B	16" x 20'	09372	60'	5.000	16.000	.843	220 PSI	2544.1	\$6106.00

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

Full pallets are polyethylene wrapped for cleanliness and UV protection.

NSF Listed. Meets All Requirements of ASTM D 1784 and ASTM D 1785.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPA's website and ASTM D 1785.

ChemDrain® CPVC Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.
ChemDrain is a registered trademark of Charlotte Pipe and Foundry Company.



>> ChemDrain® CPVC Schedule 40 Pipe, Type IV, Grade 1

For Non-Pressure Applications

ASTM D 1784 & ASTM F 2618

CPVC SCHEDULE 40 (LIGHT GRAY)			PLAIN END				CPVC 4120	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
AW 14015	1½" x 10'	10732	1650'	1.780	1.900	.145	55.3	\$ 765.00
AW 14002	2" x 10'	10733	1110'	1.780	2.375	.154	74.3	\$ 1,034.00
AW 14003	3" x 10'	10734	1040'	4.160	3.500	.216	154.2	\$ 1,869.00
AW 14004	4" x 10'	10735	600'	4.160	4.500	.237	219.6	\$ 2,653.00
AW 14006	6" x 10'	10736	280'	4.160	6.625	.280	386.1	\$ 4,791.00
AW 14008	8" x 10'	11363	180'	4.160	8.625	.322	581.1	\$ 9,254.00

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.
Full skids of pipe are polyethylene wrapped for cleanliness and UV protection.

NSF Listed. Meets All Requirements of ASTM D 1784 and ASTM F 2618.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

You can't beat the system.®

NOTICE

NOT FOR PRESSURE

Do not use ChemDrain CPVC pipe for pressure applications. The use of ChemDrain CPVC pipe in pressure applications may result in system failure and property damage.

⚠ WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Sewer Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.

>>PVC SDR 35 PSM Pipe

ASTM D 3034 & ASTM F 477

SDR-35		GASKETED - PS 46							
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)	MIN. WALL (IN.)	LIST PRICE PER 100 FT.
S/M 6004G	4"x14'	11920	840'	5.556	14'-0"	110.4	4.215	.120	\$ 286.00
S/M 6004G	4"x20'	04012	1200'	7.144	20'-0"	109.7	4.215	.120	286.00
S/M 6006G	6"x14'	11921	392'	5.556	14'-0"	249.6	6.275	.180	546.00
S/M 6006G	6"x20'	04016	560'	8.330	20'-0"	247.0	6.275	.180	546.00
S/M 6008G	8"x14'	11922	140'	3.333	14'-0"	451.0	8.400	.240	928.00

Weight is approximate and is for shipping purposes only.

SDR-35		SOLVENT WELD - PS 46							
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)	MIN. WALL (IN.)	LIST PRICE PER 100 FT.
S/M 6004	4"x10'	04008	600'	4.160	10'-0"	108.3	4.215	.120	\$ 276.00
S/M 6004	4"x20'	04009	1200'	7.144	20'-0"	108.3	4.215	.120	276.00
S/M 6006	6"x10'	04013	280'	4.160	10'-0"	241.7	6.275	.180	532.00
S/M 6006	6"x20'	04014	560'	8.330	20'-0"	241.7	6.275	.180	532.00

Weight is approximate and is for shipping purposes only.

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

Meets All Requirements of ASTM D 3034. SDR 35 Gaskets meet or exceed ASTM F 477. Gasketed joints meet ASTM D 3212.

NOTICE

NOT FOR PRESSURE

Do not use PVC Sewer pipe for pressure applications. The use of sewer pipe in pressure applications may result in system failure and property damage.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

PVC Sewer and Drain Pipe

Possession of this price list shall not be construed as an offer to sell the products listed.

>> PVC ASTM D 2729 Pipe

SOLVENT WELD BELLED END								ASTM D 2729	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 30030	3"x10'	10903	810'	3.125	3.250	0.070	3.00	52.8	\$ 110.00
PVC 30040	4"x10'	10905	500'	3.125	4.215	0.075	3.50	70.4	\$ 130.00

>> Perforated PVC ASTM D 2729 Pipe

SOLVENT WELD BELLED END								ASTM D 2729	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	TRUCKLOAD PERCENT PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)	LIST PRICE PER 100 FT.
PVC 30030P	3"x10'	11814	1040'	4.160	3.250	0.070	3.00	52.8	\$ 110.00
PVC 30040P	4"x10'	11815	500'	3.125	4.215	0.075	3.50	70.4	\$ 130.00

Perforated pipe is supplied with two rows of 1/2" diameter holes every five inches. Rows are parallel to the pipe axis and are 120° apart.

Weight is approximate and is for shipping purposes only.

NOTE: For truckloads of mixed sizes, multiply skids desired by truckload percent per skid.

Pipe listed in this section meets or exceeds the requirements of ASTM D 2729.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

You can't beat the system.®

NOTICE


NOT FOR PRESSURE

Do not use PVC Sewer pipe for pressure applications. The use of sewer pipe in pressure applications may result in system failure and property damage.

⚠ **WARNING**

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

Terms of Sale

We are pleased to present our list price schedules for use in ordering Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products. To determine current prices, please refer to the prices shown in the list price schedules. You may seek further clarification from our local manufacturers' agent or the factory sales office. **All prices in list price schedules are subject to change without notice. Orders will be billed at the prevailing price at the time of shipment.** All quotations, sales, and agreements are subject to strikes, accidents, transportation failures or other causes beyond our control. Any tax, effective under present or future laws, shall be added as an extra to the price of the product and shall be paid by the purchaser. **Possession of product information or list price schedules shall not be construed as an offer to sell the product listed.**

ARBITRATION: CHARLOTTE PIPE AND CUSTOMER AGREE THAT ANY DISPUTE, CLAIM OR CONTROVERSY OF ANY NATURE, WHETHER BASED ON CONTRACT, TORT, STATUTE, OR ANY OTHER LEGAL OR EQUITABLE THEORY, ARISING OUT OF OR RELATED TO THE SALE OF PRODUCTS FROM CHARLOTTE PIPE TO CUSTOMER SHALL BE RESOLVED THROUGH BINDING ARBITRATION ADMINISTERED PURSUANT TO TITLE 9 OF THE U.S. CODE BY JAMS UNDER ITS COMPREHENSIVE ARBITRATION RULES AND PROCEDURES, AND JUDGMENT ON THE AWARD ENTERED BY THE ARBITRATOR(S) MAY BE ENTERED BY ANY COURT HAVING JURISDICTION THEREOF. EITHER PARTY MAY APPLY TO THE ARBITRATOR SEEKING INJUNCTIVE RELIEF UNTIL THE ARBITRATION AWARD IS ENTERED OR THE MATTER IS RESOLVED. EITHER PARTY ALSO MAY, WITHOUT WAIVING ANY REMEDY AVAILABLE TO IT, SEEK FROM ANY COURT OF COMPETENT JURISDICTION ANY PROVISIONAL OR INTERIM RELIEF THAT IS NECESSARY TO PROTECT ITS RIGHTS PENDING THE ARBITRATOR(S)' DETERMINATION OF THE MERITS OF THE DISPUTE, CLAIM OR CONTROVERSY.

CLASS ACTION WAIVER: CHARLOTTE PIPE AND CUSTOMER AGREE THAT THERE WILL BE NO RIGHT OR AUTHORITY FOR ANY CLAIM, DISPUTE AND/OR CONTROVERSY COVERED UNDER THE PARTIES' AGREEMENT TO ARBITRATE TO BE BROUGHT, HEARD, OR ARBITRATED AS A CLASS ACTION AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. NOR SHALL THE ARBITRATOR(S) HAVE ANY AUTHORITY TO HEAR OR ARBITRATE ANY SUCH CLASS AND/OR COLLECTIVE ACTION AND/OR REPRESENTATIVE ACTION. REGARDLESS OF ANYTHING ELSE IN THESE TERMS AND CONDITIONS OR BY VIRTUE OF ANY ARBITRATION RULES OR PROCEDURES OF THE AAA THAT NOW APPLY OR ANY AMENDMENTS AND/OR MODIFICATIONS TO THOSE RULES, THE ENFORCEABILITY AND VALIDITY OF THIS CLASS ACTION WAIVER MAY BE DETERMINED ONLY BY A COURT AND NOT BY AN ARBITRATOR. NOTWITHSTANDING ANY OTHER CLAUSE CONTAINED IN THESE TERMS AND CONDITIONS, THIS CLAUSE ENTITLED CLASS ACTION WAIVER SHALL NOT BE SEVERABLE FROM THESE TERMS AND CONDITIONS IN ANY CASE IN WHICH THE DISPUTE TO BE ARBITRATED IS BROUGHT AS A CLASS AND/OR COLLECTIVE ACTION. THIS CLASS ACTION WAIVER AND THE AGREEMENT TO ARBITRATE ANY CLAIM, DISPUTE OR CONTROVERSY PRECLUDES CUSTOMER FROM LITIGATING IN COURT OR ARBITRATING ANY CLAIMS AGAINST CHARLOTTE PIPE AS A REPRESENTATIVE OR MEMBER OF A CLASS OR IN A PRIVATE ATTORNEY GENERAL CAPACITY.

Additional Information

Charlotte Pipe offers a wide variety of information from product specifications, design and engineering data to installation procedures as well as special considerations in our Plastics Technical and Installation Manual. For complete safety, installation and application information please call 800-438-6091. You may also get information 24 hours a day by calling our fax on demand number at 800-745-9382 or by visiting our website at www.charlottepipe.com.

Failure to follow safety and installation instructions may result in damage, injury or death.

Limited Warranty

Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products are warranted to be free from manufacturing defects and to conform to currently applicable ASTM standards for a period of five (5) years from date of delivery. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than their intended purpose as defined by local plumbing and building codes, and the applicable ASTM standard.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the applicable ASTM or CISPI standards or that are not marked in a manner to indicate the entity that manufactured them.
- 4) In hubless cast iron installations, this warranty will not apply if products are joined with unshielded hubless couplings. Charlotte Pipe requires that its hubless cast iron pipe and fittings be joined only with shielded hubless couplings manufactured in accordance with CISPI 310, ASTM C 1277 and certified by NSF® International or with Heavy Duty Couplings meeting ASTM C 1540.
- 5) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 6) The Products have been the subject of modification; misuse; misapplication; improper maintenance or

repair; damage caused by the fault or negligence of anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.

- 7) The Products fail due to the freezing of water in the Products.
- 8) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents that are not compatible.
- 9) Pipe outlets, sound attenuation systems or other devices are permanently attached to the surface of Charlotte® PVC, ABS or CPVC products with solvent cement or adhesive glue.

Charlotte Pipe products are manufactured to the applicable ASTM or CISPI standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:

Charlotte Pipe and Foundry Company
Attention: Technical Services
2109 Randolph Road
Charlotte, North Carolina 28207

Purchaser must obtain a return materials authorization and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.

Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

4/24/15

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



Charlotte, Charlotte Pipe and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.

! WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

You can't beat the system.®

FlowGuard Gold® CPVC CTS Limited Warranty

Charlotte Pipe and Foundry Company (Charlotte Pipe®) warrants to the original owner of the structure in which its FlowGuard Gold CTS CPVC Pipe and Fittings (the "Products") have been installed, that the Products will be free from manufacturing defects and conform to currently applicable ASTM standards under normal use and service for a period of ten (10) years. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than the transmission of domestic water.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the ASTM standard or that are not marked in a manner to indicate the entity that manufactured them.
- 4) The Products fail due to defects or deficiencies in design, engineering, or installation of the water distribution system of which they are a part.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



You can't beat the system.®

Charlotte Pipe and "You can't beat the system" are registered trademarks of Charlotte Pipe and Foundry Company.
FlowGuard Gold is a registered trademark of Lubrizol Corp.

- 5) The Products have been the subject of modification; misuse; misapplication; improper maintenance or repair; damage caused by the fault or negligence of anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.
- 6) The Products fail due to the freezing of water in the Products.
- 7) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents not compatible with CPVC compounds.

Charlotte Pipe products are manufactured to the applicable ASTM standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:

Charlotte Pipe and Foundry Company
Attention: Technical Services
2109 Randolph Road
Charlotte, North Carolina 28207

Purchaser must obtain a return materials authorization and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.


Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

3/25/10

! WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.



AIR/GAS

CHARLOTTE

PIPE AND FOUNDRY COMPANY®

PO BOX 35430

CHARLOTTE

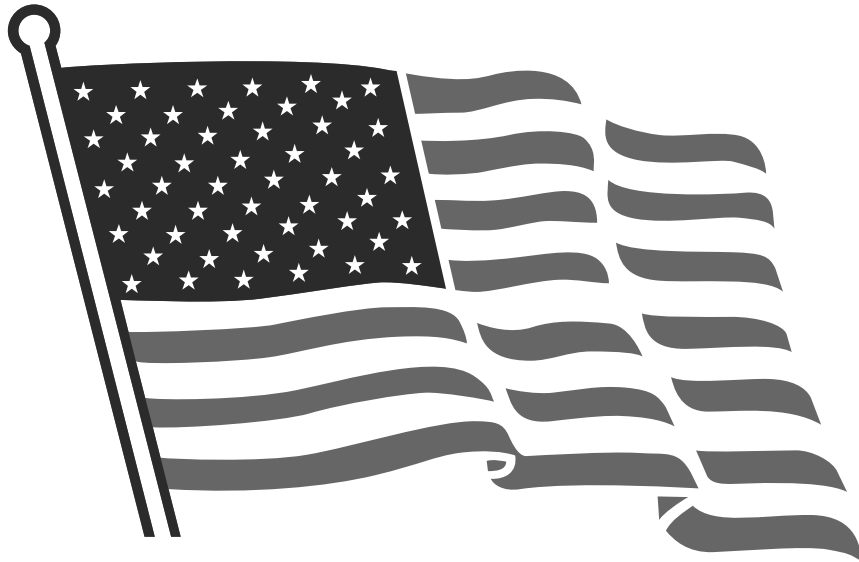
NORTH CAROLINA 28235

PHONE (704) 348-6450

(800) 438-6091

FAX (800) 553-1605

WWW.CHARLOTTEPIPE.COM



All products manufactured by
Charlotte Pipe and Foundry Company
are proudly made in the U.S.A.



Product Price List



 **EFFECTIVE DATE: January 1, 2015**

TERMS

All prices shown are Trade/List, stated in U.S. currency and subject to change without notice.

MINIMUM INVOICE - None

PAYMENT TERMS - 1% 10th prox. NET 30 days unless otherwise stated. Shortage claim must be made to Fernco within 15 days after delivery.

FREIGHT TERMS - Prepaid and allowed on net orders of \$750.00 or more unless otherwise stated.

All others will be prepaid and billed. Claims for loss or damage must be filed with the freight carrier.

SALES POLICY - Fernco products are available to any legitimate wholesaler, pipe manufacturer or distributor with approved credit.

RUSH ORDERS - In order to expedite rush orders in a timely manner, Fernco will not be able to allow changes and / or cancellations once the order has been received.

RETURN POLICY - All returns must be preceded by factory authorization.

Minimum 15% restocking charge will apply to all standard Fernco products. All materials returned to Fernco should be in original cartons and be in resalable condition. This amount is subject to change depending on condition of items returned to Fernco.

- Fernco Custom Parts are Non-Returnable.
- Freight must be prepaid on all return shipments.
- Returns will not be allowed after 90 days of invoice date.

LIMITED WARRANTY: Fernco warrants its product(s) against defects in workmanship or materials for one (1) year from date of original purchase (unless a shorter period is expressly provided with respect to a particular product). Fernco's total liability under any warranty, or any other claim arising in any way from the product or its use, is limited, at Fernco's option, to refund or replacement of any such product returned to Fernco within the one-year warranty period and determined by Fernco to be defective. To the extent permitted by law, Fernco disclaims and excludes any and all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for a particular purpose, and in no event shall Fernco be liable for special, incidental or consequential damages. Failure to follow the installation instructions provided by Fernco will void this warranty. To make a warranty claim, purchaser should have the original receipt and contact Fernco, Inc. Customer Service Department, 810 653-9626.. Purchaser is responsible for any shipping charges.

If state law preserves implied warranties, including implied warranties of merchantability and fitness for a particular purpose, such warranties are limited to one-year from the date of the original purchase and as otherwise set forth above. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of incidental or consequential damages, so such limitation(s) or exclusion(s) may not apply to you.

This written warranty gives you specific legal rights, and you may also have other rights which vary from state to state.





Fernco, Inc. • 300 S. Dayton Street, Davison, MI 48423
(810) 503-9000 • FAX: 810-503-1015 • www.fernco.com




PLEASE NOTE: New changes have been highlighted in light yellow.

Flexible Couplings

The most complete line in the industry.

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
 1001-SERIES: Clay to Clay				
1001-44	1	\$18.79	1.36	20
1001-44WC	1	\$18.79	1.36	20
1001-54	3	\$35.14	1.79	10
1001-55	3	\$40.38	2.27	10
1001-64	1	\$43.69	3.33	10
* 1001-64WC	1	\$43.69	5.08	10
1001-65	3	\$49.58	2.74	10
1001-66	1	\$40.19	2.91	10
1001-66WC	1	\$40.19	1.32	10
* 1001-84	3	\$98.69	3.12	10
* 1001-86	2	\$69.11	3.12	10
1001-86WC	2	\$69.11	3.12	10
1001-88	1	\$61.82	3.55	10
1001-88WC	1	\$61.82	3.11	10
* 1001-10-8	2	\$97.24	7.98	5
1001-1010	2	\$85.93	6.33	5
1001-1010WC	2	\$85.93	6.63	5
1001-1210	2	\$114.77	7.81	5
1001-1212	2	\$100.30	7.44	3
1001-1212WC	2	\$100.30	8.19	5
* 1001-1510	3	\$281.88	25.41	3
* 1001-1512	2	\$233.75	20.46	3
1001-1515	3L	\$129.02	13.66	3
1001-1818	3L	\$284.00	16.32	3
1001-2121	3	\$488.54	19.12	2
1001-2424	3	\$569.81	21.54	2
1001-2727	3	\$641.81	24.40	2
 1002-SERIES: Clay to C.I. or Plastic				
* 1002-42	3	\$25.16	1.08	20
1002-43	2	\$19.21	1.08	20
* 1002-43WC	2	\$19.21	1.31	20
1002-44	1	\$17.40	1.19	30
1002-44WC	1	\$17.41	1.31	30
1002-46	2	\$44.68	1.94	10
* 1002-54	2	\$32.74	2.35	10
* 1002-54WC	2	\$32.74	2.26	10
1002-55	2	\$29.45	1.79	10
* 1002-55WC	2	\$29.45	2.62	10
1002-64	1	\$43.69	2.76	10
* 1002-64WC	1	\$43.69	4.85	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
1002-65	3	\$46.58	3.33	10
1002-66	1	\$37.21	2.74	10
1002-66WC	1	\$37.21	3.11	10
* 1002-84	3	\$113.57	5.13	10
1002-86	2	\$69.11	4.07	10
* 1002-86WC	2	\$69.11	3.68	10
1002-88	1	\$57.24	4.01	10
1002-88WC	1	\$57.24	3.68	10
* 1002-10-6	3	\$126.00	10.35	5
* 1002-10-8	2	\$97.24	8.95	5
1002-1010	2	\$85.93	6.25	5
1002-1010WC	2	\$85.94	6.75	5
* 1002-1210	2	\$126.19	11.00	5
1002-1212	2	\$100.28	7.81	5
1002-1212WC	2	\$100.28	8.94	5
* 1002-1215	3	\$264.66	10.55	5
* 1002-12-8	3	\$170.26	14.31	5
* 1002-1510	3	\$281.88	18.34	5
* 1002-1512	2	\$233.75	17.65	5
1002-1515	3L	\$129.02	10.00	5
1002-1515WC	3L	\$129.02	10.00	2
1002-1818	3L	\$285.58	14.12	2
* 1002-1818WC	3L	\$285.58	14.12	2
* 1002-2121	3L	\$334.46	34.74	1
* 1002-2424	3L	\$383.20	44.63	1
* 1002-2727	3	\$644.86	50.20	1
 1003-SERIES: Clay to A.C. Fibre or D.I.				
1003-44	2	\$18.79	1.11	20
1003-44WC	2	\$18.79	1.99	20
1003-46	3	\$62.61	2.55	10
* 1003-54	3	\$35.14	2.09	10
1003-55	3	\$31.57	1.80	10
1003-64	3	\$43.69	3.33	10
* 1003-64WC	3	\$43.69	3.26	10
* 1003-65	3	\$49.58	3.16	10
1003-66	2	\$38.19	2.96	10
* 1003-66WC	2	\$38.19	3.26	10
* 1003-85	3	\$86.72	4.49	10
* 1003-86	3	\$75.97	6.21	10
* 1003-86WC	3	\$75.97	4.62	10
1003-88	2	\$61.82	3.89	10
* 1003-88WC	2	\$61.82	4.62	10
* 1003-8-10	3	\$100.90	5.37	10
* 1003-1010	2	\$88.04	8.59	5
* 1003-1010WC	2	\$88.04	10.10	5
* 1003-10-6	3	\$151.20	11.47	5
* 1003-10-8	3	\$100.89	7.98	5

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 1003-1210	3	\$119.10	14.90	5
1003-1212	2	\$105.28	6.58	5
* 1003-1212WC	2	\$105.28	14.11	4
* 1003-12-8	3	\$170.26	12.50	5
* 1003-1510	3	\$281.88	18.49	4
* 1003-1512	3	\$220.54	15.92	3
* 1003-1515	3	\$226.82	17.64	2
1003-1516	3	\$193.67	13.66	2
* 1003-1818	3	\$482.92	25.03	2



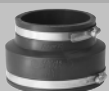
1004-SERIES: Concrete to Concrete

1004-44	3	\$18.79	1.25	20
* 1004-64	3	\$44.67	3.36	10
1004-66	3	\$41.53	2.81	10
* 1004-86	3	\$69.04	4.80	5
1004-88	3	\$63.87	4.16	10
1004-10-8	3	\$100.89	6.55	5
1004-1010	3	\$90.97	6.63	5
* 1004-1210	3	\$126.19	8.94	5
1004-1212	3	\$107.52	8.19	5
1004-1515	3	\$378.32	14.92	5
1004-1818	3	\$448.45	16.98	5
1004-2121	3	\$523.82	20.04	2
1004-2424	3	\$593.80	22.88	2
1004-2727	3	\$663.82	25.58	1



1005-SERIES: Concrete to Clay

* 1005-44	3	\$20.72	1.60	20
* 1005-64	3	\$54.35	2.69	10
* 1005-66	3	\$44.32	3.71	10
* 1005-86	3	\$73.75	9.59	10
* 1005-88	3	\$68.21	4.63	5
1005-1010	3	\$91.64	8.65	5
* 1005-1210	3	\$142.46	10.55	0
* 1005-1212	3	\$114.84	10.55	4
* 1005-1512	3	\$550.39	17.65	3
* 1005-1515	3	\$404.05	25.62	2



1006-SERIES: Concrete to C.I. or Plastic

1006-43	3	\$22.18	1.19	20
1006-44	2	\$18.79	1.41	20
1006-46	3	\$46.25	2.21	10
1006-64	2	\$43.69	2.64	10
* 1006-65	3	\$46.41	3.46	10
1006-66	2	\$41.16	2.66	10
* 1006-68	3	\$91.15	3.71	10
* 1006-84	3	\$94.40	8.53	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 1006-86	2	\$75.97	6.13	5
1006-88	2	\$61.82	3.97	5
* 1006-10-6	3	\$151.18	10.66	5
* 1006-10-8	2	\$100.89	9.50	5
1006-1010	2	\$85.93	6.75	5
* 1006-12-8	3	\$141.52	15.43	5
* 1006-1210	2	\$126.19	12.13	5
1006-1212	2	\$100.28	8.94	5
* 1006-1512	3	\$495.06	20.53	3
1006-1515	3L	\$179.96	12.88	2
* 1006-1818	3L	\$285.58	30.36	2
* 1006-2121	3	\$523.82	42.89	1
* 1006-2424	3	\$593.80	62.00	1
* 1006-2727	3	\$633.03	79.00	1



1051-SERIES: A.C. Fibre or D.I. to C.I. or Plastic

* 1051-43	3	\$22.18	1.72	20
1051-44	1	\$18.79	1.22	20
* 1051-45	3	\$35.16	2.08	10
* 1051-46	3	\$57.62	3.15	10
1051-54	3	\$35.14	1.29	20
1051-55	3	\$31.57	1.79	10
* 1051-56	3	\$59.48	2.69	10
1051-64	1	\$43.69	2.26	10
1051-65	3	\$49.58	2.62	10
1051-66	1	\$40.19	2.50	10
* 1051-68	3	\$91.15	5.27	10
* 1051-86	2	\$75.96	6.06	10
1051-88	1	\$61.82	3.90	10
* 1051-10-8	2	\$100.89	7.04	5
1051-1010	2	\$85.93	4.14	5
* 1051-1210	2	\$126.19	9.41	5
1051-1212	2	\$100.28	6.22	5
* 1051-1215	3	\$264.66	17.88	2
1051-1515	3	\$189.49	12.00	3
1051-1615	2	\$171.98	10.00	5
1051-1818	3	\$378.16	14.84	3



1055-SERIES: A.C. Fibre or D.I. to A.C. Fibre or D.I.

1055-44	2	\$18.79	1.25	20
* 1055-54	3	\$35.14	1.79	10
1055-55	3	\$31.57	1.86	10
* 1055-63	3	\$56.60	2.61	10
1055-64	2	\$45.87	2.61	10
1055-65	3	\$49.59	3.36	10
1055-66	2	\$42.18	2.47	10
* 1055-84	3	\$113.57	7.15	10

*INSERT BUSHINGS INCLUDED CALL FERNCO FOR ADDITIONAL SIZES

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 1055-86	3	\$75.97	6.78	10
1055-88	2	\$64.92	3.64	10
* 1055-10-8	3	\$100.89	6.07	5
1055-1010	2	\$88.04	3.67	5
* 1055-12-8	3	\$170.26	10.91	5
* 1055-1210	3	\$126.25	8.69	5
1055-1212	2	\$105.28	4.41	5
* 1055-1512	3	\$264.66	22.81	3
1055-1515	3	\$227.96	13.62	3
* 1055-1615	3	\$189.94	18.36	2
1055-1616	3	\$194.72	12.74	2
1055-1818	3	\$453.80	14.84	2



1056-SERIES:
C.I. and Plastic to C.I. and Plastic

1056-075	3	\$7.35	0.16	20
1056-100	3	\$7.35	0.18	20
1056-125	1	\$8.95	0.31	40
1056-150/125	1	\$9.91	0.35	40
1056-150	1	\$9.57	0.35	40
1056-215	1	\$10.87	0.42	40
1056-22	1	\$10.29	0.44	40
1056-300	3	\$12.78	0.53	10
1056-315	2	\$18.11	0.68	10
1056-32	1	\$12.85	0.70	20
1056-33	1	\$13.90	0.97	40
1056-415	2	\$26.42	0.95	10
1056-42	2	\$24.26	0.97	10
1056-43	1	\$18.74	1.13	40
1056-44	1	\$17.40	1.00	40
1056-53	3	\$38.69	1.36	30
1056-54	2	\$32.74	1.69	20
1056-55	2	\$29.45	1.24	20
* 1056-63	3	\$52.88	2.51	10
1056-64	1	\$43.69	2.08	10
1056-65	2	\$46.25	2.22	10
1056-66	1	\$37.21	2.33	10
1056-84	3	\$94.60	4.31	10
1056-86	2	\$69.11	3.20	10
1056-88	1	\$57.24	3.02	10
* 1056-10-6	3	\$126.00	6.07	5
1056-10-8	2	\$94.12	4.01	5
1056-1010	2	\$85.93	5.60	5
* 1056-12-8	3	\$170.24	9.50	5
1056-1210	2	\$111.08	6.87	5
1056-1212	2	\$100.28	6.96	5
1056-1512	2	\$233.77	8.94	5
1056-1515	3L	\$129.02	12.00	3
* 1056-1815	2	\$382.81	25.42	1

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
1056-1818	3L	\$285.58	14.40	3
1056-2121	3L	\$334.46	16.98	3
1056-2424	3L	\$383.20	18.90	2
1056-2727	3	\$558.87	21.22	2

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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1059-SERIES:
Plastic Socket to Plastic Pipe

1059-150	3	\$11.21	0.37	20
* 1059-215	3	\$19.47	0.65	20
1059-22	3	\$12.07	0.46	20
* 1059-32	3	\$20.90	0.88	20
1059-33	3	\$16.32	0.63	20
* 1059-42	3	\$29.84	1.36	20
* 1059-43	3	\$25.61	1.28	20
1059-44	3	\$20.44	0.75	20



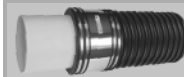
1060-SERIES:
Plastic Socket to Plastic Socket

1060-150	3	\$11.21	0.37	20
1060-22	3	\$12.07	0.48	20
1060-33	3	\$16.32	0.58	20
1060-44	3	\$20.44	0.80	20



1070-SERIES: A.D.S. Corrugated and HANCOR Corrugated Pipe to PVC

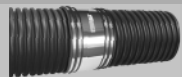
* 1070-32	3	\$27.98	1.08	20
1070-33	3	\$17.12	0.68	20
* 1070-42	3	\$29.41	1.66	20
* 1070-43	3	\$25.53	1.39	25
1070-44	3	\$21.47	0.87	20
* 1070-63	3	\$40.96	4.05	8
* 1070-64	3	\$54.91	3.49	8
* 1070-65	3	\$52.44	3.20	8
1070-66	3	\$45.92	2.43	10
* 1070-84	3	\$95.13	5.05	10
* 1070-86	3	\$85.99	5.05	10
1070-88	3	\$70.58	2.89	10



1070-HTRC SERIES:
Corrugated Polyethylene to Plastic

* 1070-10-8HTRC	4E	\$318.84	14.72	2
* 1070-1010HTRC	4E	\$289.85	9.97	5
* 1070-1210HTRC	4E	\$432.97	20.78	2
* 1070-1212HTRC	4E	\$393.60	16.93	2
* 1070-1515HTRC	4E	\$462.60	23.4	2
* 1070-1818HTRC	4E	\$539.96	32.4	1
* 1070-2424HTRC	4E	\$740.69	42.84	1
* 1070-3030HTRC	4E	\$1,021.34	46.65	1

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 1070-3636HTRC	4E	\$1,245.52	46.94	1
* 1070-4242HTRC	4E	\$1,462.31	63.73	1
* 1070-4848HTRC	4E	\$1,550.43	72.31	1



1071-HTRC SERIES: Corrugated Polyethylene to Corrugated Polyethylene

1071-1010HTRC	4E	\$197.30	5.22	5
1071-1212HTRC	4E	\$262.83	12.62	2
1071-1515HTRC	4E	\$309.05	16.6	2
1071-1818HTRC	4E	\$362.05	19.4	2
1071-2424HTRC	4E	\$494.84	20.84	1
1071-3030HTRC	4E	\$604.71	24.88	1
1071-3636HTRC	4E	\$687.98	29.17	1
1071-4242HTRC	4E	\$869.20	33.38	1
1071-4848HTRC	4E	\$953.37	37.8	1
1071-5454HTRC	4E	\$1,048.71	42.58	1
1071-6060HTRC	4E	\$1,140.89	46.58	1

1072-SERIES: ETI to AC or Ductile Iron

1072-1212	3	\$112.45	9.97	
1072-1515	3	\$173.31	12.70	

1073-SERIES: ETI to SDR-35 Plastic

1073-1212	3	\$200.73	15.21	
1073-1515	3	\$173.31	18.00	



Western SERIES Center Stop: Couplings and Bushings

COUPLINGS

1081-44	3	\$16.65	1.05	24
1081-66	3	\$28.15	1.92	20
1081-88	3	\$34.14	3.05	10
1085-88	3	\$42.46	3.05	10
1086-33	3	\$14.08	0.50	10
1086-44	3	\$16.81	0.98	20

BUSHINGS

481-2.38	3	\$12.83	1.07	20
481-3.38	3	\$12.83	0.82	40
481-3.50	3	\$6.15	0.82	40
481-4.25	3	\$6.15	0.54	40
481-4.38	3	\$6.15	0.43	40
481-4.50	3	\$6.15	0.59	40
481-4.63	3	\$6.15	0.39	40
481-4.90	3	\$6.15	0.25	40
681-6.38	3	\$26.62	1.30	30
681-6.63	3	\$26.62	1.15	40
881-8.38	3	\$34.73	1.66	30
881-8.63	3	\$34.73	1.41	40
881-9.00	3	\$34.73	1.13	40

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
885-8.38	3	\$22.30	0.90	20
885-8.63	3	\$22.30	0.79	20



ECCENTRIC COUPLINGS - EC SERIES

1002 EC Series - For Clay to Cast Iron or Plastic

1002-64EC	2	\$55.93	2.34	10
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ECCENTRIC BUSHINGS/ COUPLINGS - EB SERIES

1002 EB Series - For Clay to Cast Iron or Plastic

1002-42EB	3	\$45.34	2.37	20
1002-43EB	3	\$45.34	2.37	20
1002-44EB	3	\$39.10	1.97	20
1002-1212EB	3	\$238.51	11.75	4
1002-1215EB	3	\$308.29	10.55	5
1002-1512EB	3	\$344.93	17.65	5
1002-1515EB	3	\$337.77	20.46	1

1006 EB Series - For Concrete to Cast Iron or Plastic

1006-44EB	3	\$32.59	2.37	20
1006-64EB	3	\$86.90	6.30	10

1051 EB Series - For AC Fibre or Ductile Iron to Cast Iron or Plastic

1051-10-6EB	3	\$184.39	6.57	10
1051-10-8EB	3	\$175.64	6.57	5
1051-12-4EB	3	\$219.60	15.62	5
1051-12-6EB	3	\$252.29	17.04	3

1055 EB Series - For AC Fibre or Ductile Iron to AC Fibre or Ductile Iron

1055-86EB	3	\$122.20	6.36	10
1056-12-8EB	3	\$279.28	11.93	5

1056 EB Series - For CI, PL, Copper, ST or Lead to CI, PL, Copper, ST or Lead

1056-315EB	3	\$34.11	1.19	10
1056-32EB	3	\$32.30	1.39	20
1056-415EB	3	\$33.04	1.76	40
1056-42EB	3	\$50.49	1.68	40
1056-43EB	3	\$48.00	1.53	40
1056-54EB	3	\$60.75	1.76	30
1056-6/150EB	3	\$84.83	2.87	10
1056-62EB	3	\$79.86	3.91	10
1056-63EB	3	\$93.16	3.89	10
1056-64EB	3	\$86.90	3.14	10
1056-65EB	3	\$81.48	3.09	10
1056-83EB	3	\$151.16	4.50	10
1056-84EB	3	\$151.12	6.18	10
1056-85EB	3	\$122.20	4.31	10
1056-86EB	3	\$122.20	5.36	10
1056-10-4EB	3	\$228.89	9.63	5
1056-10-6EB	3	\$206.21	8.38	5

*INSERT BUSHINGS INCLUDED CALL FERNCO FOR ADDITIONAL SIZES

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
1056-10-8EB	3	\$211.73	8.37	5
1056-12-6EB	3	\$250.31	10.90	5
1056-12-8EB	3	\$279.28	11.93	5
1056-1210EB	3	\$254.66	10.06	5
1056-1512EB	3	\$259.84	8.94	5

LARGE DIAMETER COUPLINGS AND WATERSTOPS

Ordered and priced by diameter inch. CALL FOR PRICE

ALSO ASK ABOUT OUR LDC EXTRA

It is wider with thicker and wider high torque bands for more sealing power.

Shielded Couplings

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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SHEAR RINGS ONLY

SR-9	3	\$5.40	0.09	20
SR-11	3	\$6.60	0.11	20
SR-15	3	\$9.00	0.23	20
SR-19	3	\$11.40	0.27	20
SR-22	3	\$13.20	0.31	20
SR-25	3	\$15.00	0.45	20
SR-27	3	\$16.20	0.49	20
SR-28	3	\$16.80	0.52	20
SR-33	3	\$19.80	0.58	20
SR-35	3	\$21.00	0.64	20
SR-37	3	\$22.20	0.68	20
SR-39	3	\$23.40	0.74	20
SR-46	3	\$27.60	0.86	20
SR-54	3	\$32.40	0.98	20
SR-59	3	\$35.40	1.10	20
SR-63	3	\$37.80	1.18	20
SR-73	3	\$43.80	1.35	20



STRONG BACK RC SERIES

Repair Couplings

1001 RC Series - For Clay to Clay

1001-44RC	4E	\$28.09	1.92	12
1001-44WCRC	4E	\$28.09	1.36	16
* 1001-64RC	4E	\$62.29	5.08	12
1001-66RC	4E	\$53.51	3.63	10
1001-66WCRC	4E	\$53.51	3.63	10
1001-88RC	4E	\$79.44	4.54	8
1001-88WCRC	4E	\$79.44	3.11	10
1001-1010RC	4E	\$103.34	7.63	6
1001-1010WCRC	4E	\$103.34	6.63	6
1001-1212RC	4E	\$126.50	9.13	4
1001-1212WCRC	4E	\$126.50	8.19	5

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
1001-1515RC	4E	\$252.34	22.12	2
1001-1818RC	4E	\$488.89	18.29	2
1001-2424RC	4E	\$755.90	21.54	2

1002 RC Series - For Clay to Cast Iron or Plastic

* 1002-43RC	4E	\$44.65	2.87	20
1002-44RC	4E	\$41.18	2.50	12
1002-44WCRC	4E	\$41.18	2.28	12
* 1002-46RC	4E	\$66.30	3.92	10
* 1002-55RC	4E	\$134.46	3.82	12
* 1002-64RC	4E	\$102.52	6.75	12
1002-64WCRC	4E	\$102.52	4.85	8
* 1002-64WCRC-SDR	4E	\$102.52	4.85	8
1002-66RC	4E	\$69.84	4.38	8
1002-66WCRC	4E	\$69.84	6.07	8
1002-88RC	4E	\$79.44	6.30	6
1002-88WCRC	4E	\$79.44	7.29	6
* 1002-1010RC	4E	\$103.34	10.10	2
1002-1010WCRC	4E	\$103.34	10.88	5
* 1002-1210RC	4E	\$184.88	13.74	5
* 1002-1212RC	4E	\$126.50	13.36	2
1002-1212WCRC	4E	\$126.50	17.53	3
* 1002-1215RC	4E	\$376.59	9.88	5
* 1002-1515RC	4E	\$238.84	22.12	2
* 1002-1818RC	4E	\$591.94	31.35	2
* 1002-2121RC	4E	\$679.35	44.63	2
* 1002-2424RC	4E	\$755.92	44.63	1

1003 RC Series - For Clay to A.C. or Ductile Iron

1003-44RC	4E	\$41.18	1.54	12
1003-66RC	4E	\$62.78	3.26	8
1003-66WCRC	4E	\$62.78	4.66	10
* 1003-68RC	4E	\$178.88	3.48	10
1003-88RC	4E	\$108.97	4.62	8
* 1003-8-10RC	4E	\$146.34	6.57	5
* 1003-1010RC	4E	\$133.70	7.73	2
* 1003-1212RC	4E	\$185.22	9.88	3
* 1003-1818RC	4E	\$663.67	25.03	2

1004 RC Series - For Concrete to Concrete

1004-44RC	4E	\$28.09	1.86	16
1004-66RC	4E	\$53.51	3.56	10
1004-88RC	4E	\$79.44	4.61	8
1004-1010RC	4E	\$103.34	10.88	6
1004-1212RC	4E	\$126.50	17.53	4
1004-1515RC	4E	\$426.41	14.92	2

1006 RC Series - For Concrete to Cast Iron or Plastic

* 1006-44RC	4E	\$41.10	2.42	12
* 1006-64RC	4E	\$120.30	7.10	12
* 1006-66RC	4E	\$81.63	4.96	12
* 1006-88RC	4E	\$103.77	8.90	6

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 1006-1010RC	4E	\$127.35	10.87	4
* 1006-1212RC	4E	\$178.59	17.53	3
* 1006-1515RC	4E	\$487.12	42.31	3
* 1006-1818RC	4E	\$633.05	42.31	2

1051 RC Series - For A.C. or Ductile Iron to Cast Iron or Plastic

1051-44RC	4E	\$41.10	1.63	24
* 1051-45RC	4E	\$43.45	1.58	12
* 1051-46RC	4E	\$66.30	2.76	12
* 1051-55RC	4E	\$134.80	4.50	5
* 1051-64RC	4E	\$69.24	5.66	5
* 1051-65RC	4E	\$77.83	4.67	5
1051-66RC	4E	\$53.51	3.72	9
* 1051-8-10RC	4E	\$154.12	6.51	5
1051-88RC	4E	\$79.44	5.86	8
* 1051-10-8RC	4E	\$154.14	7.86	5
* 1051-1010RC	4E	\$126.17	5.63	5
* 1051-1212RC	4E	\$158.03	6.92	2
1051-1818RC	4E	\$450.25	14.84	2

1055 RC Series - For A.C. or Ductile Iron to ABS or Ductile Iron

1055-44RC	4E	\$28.09	1.57	18
1055-66RC	4E	\$53.51	3.12	12
1055-88RC	4E	\$79.44	3.48	8
1055-1010RC	4E	\$103.34	6.51	8
1055-1212RC	4E	\$126.50	7.99	6

1056 RC Series - For CI, PL, Copper, ST or Lead to CI, PL, Copper, ST or Lead

1056-150RC	4E	\$16.53	0.46	24
1056-22RC	4E	\$16.98	0.57	24
* 1056-32RC	4E	\$21.80	1.62	24
1056-33RC	4E	\$22.07	1.24	18
* 1056-43RC	4E	\$40.03	1.83	12
1056-44RC	4E	\$28.09	1.40	24
* 1056-54RC	4E	\$40.48	1.64	15
1056-55RC	4E	\$40.03	1.64	14
1056-64RC	4E	\$69.21	3.70	8
* 1056-65RC	4E	\$77.81	3.54	10
1056-66RC	4E	\$53.51	2.88	12
* 1056-86RC	4E	\$121.69	6.09	4
1056-88RC	4E	\$79.44	3.20	10
1056-1010RC	4E	\$103.34	6.51	8
1056-1212RC	4E	\$126.50	7.99	6
1056-1515RC	4E	\$216.16	12.94	2
1056-1818RC	4E	\$443.23	15.58	2

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
 <p>5000 SERIES STRONG BACK Repair Couplings</p>				

5001 RC Series - For Clay to Clay

5001-44RC	4E	\$28.09	1.92	12
5001-44WCRC	4E	\$28.09	1.36	16
5001-66RC	4E	\$53.51	3.63	10
5001-66WCRC	4E	\$53.51	3.63	10
5001-88RC	4E	\$79.44	4.54	8
5001-88WCRC	4E	\$79.44	3.11	10
5001-1010RC	4E	\$103.34	7.63	6
5001-1212RC	4E	\$126.50	9.13	4
5001-1515RC	4E	\$252.34	22.12	2
5001-1818RC	4E	\$488.89	18.29	2

5002 RC Series - For Clay to Cast Iron or Plastic

5002-43RC	4E	\$44.65	2.86	20
* 5002-44RC	4E	\$41.18	2.50	12
* 5002-44WCRC	4E	\$41.18	2.28	12
5002-46RC	4E	\$66.30	3.92	10
5002-55RC	4E	\$134.46	3.82	12
5002-64RC	4E	\$102.52	6.75	12
* 5002-64WCRC	4E	\$102.52	4.85	8
* 5002-66RC	4E	\$69.84	4.38	8
* 5002-66WCRC	4E	\$69.84	6.07	8
5002-86RC	4E	\$79.44	6.30	6
* 5002-88RC	4E	\$79.44	6.30	6
* 5002-88WCRC	4E	\$79.44	7.29	6
5002-1010RC	4E	\$103.34	10.82	2
5002-1212RC	4E	\$126.50	13.44	2
5002-1515RC	4E	\$238.84	22.12	2
5002-1818RC	4E	\$591.94	31.36	2

5003 RC Series - For Clay to Asbestos Cement Fibre or Ductile Iron

* 5003-44RC	4E	\$41.18	1.54	12
* 5003-66RC	4E	\$62.78	3.26	8
* 5003-88RC	4E	\$108.97	4.62	8
5003-1212RC	4E	\$185.22	13.36	3
5003-1516RC	4E	\$262.17	15.40	2

5004 RC Series - For Concrete to Concrete

5004-44RC	4E	\$28.09	1.86	16
5004-66RC	4E	\$53.51	3.56	10
5004-88RC	4E	\$79.44	4.61	8
5004-1010RC	4E	\$103.34	10.88	6
5004-1212RC	4E	\$126.50	17.53	4
5004-1212LCRC	4E	\$126.50	9.88	4

5006 RC Series - For Concrete to Cast Iron or Plastic

* 5006-44RC	4E	\$41.10	2.42	12
* 5006-66RC	4E	\$81.63	7.09	12

*INSERT BUSHINGS INCLUDED CALL FERCO FOR ADDITIONAL SIZES

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
* 5006-88RC	4E	\$103.77	8.90	6
5006-1010RC	4E	\$127.35	10.87	4
5006-1212RC	4E	\$178.59	17.53	3
5006-1212LCRC	4E	\$178.59	17.53	3

5051 RC Series - For AC Fibre or Ductile Iron to Cast Iron or Plastic

* 5051-44RC	4E	\$41.10	1.63	24
* 5051-46RC	4E	\$66.30	2.76	12
5051-64RC	4E	\$69.24	5.66	5
* 5051-66RC	4E	\$53.51	3.72	9
* 5051-88RC	4E	\$79.44	5.86	8
* 5051-1010RC	4E	\$126.17	5.63	5
5051-1212RC	4E	\$158.03	6.92	2
5051-1615RC	4E	\$262.17	15.32	2

5055 RC Series - For AC Fibre or Ductile Iron to AC Fibre or Ductile Iron

5055-44RC	4E	\$28.09	1.57	18
5055-66RC	4E	\$53.51	3.72	12
5055-88RC	4E	\$79.44	5.86	8

5056 RC Series - For Cl, PL, Copper, ST or Lead to Cl, PL, Copper, ST or Lead

5056-43RC	4E	\$40.03	1.83	12
5056-44RC	4E	\$28.09	1.40	24
5056-44RCXL	4E	\$56.84	2.64	20
5056-54RC	4E	\$40.48	1.64	15
5056-55RC	4E	\$40.03	1.64	14
* 5056-64RC	4E	\$69.21	2.88	8
5056-66RC	4E	\$53.51	2.88	12
5056-88RC	4E	\$79.44	3.20	10
5056-1010RC	4E	\$103.34	6.51	8
5056-1212RC	4E	\$126.50	7.99	6
5056-1515RC	4E	\$216.16	12.94	2
5056-1818RC	4E	\$450.25	15.58	2
5056-2424RC	4E	\$554.89	20.50	1

*INSERT BUSHINGS INCLUDED CALL FERNCO FOR ADDITIONAL SIZES

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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REFER TO PROFLEX DISCOUNT SCHEDULE

3000 Series -For C.I. to Plastic, Steel or Extra Heavy Cast

3000-150	4A	\$6.91	0.26	24
3000-215	4A	\$9.21	0.39	24
3000-22	4A	\$6.90	0.28	24
3000-33	4A	\$10.55	0.42	24
3000-43	4A	\$15.41	0.80	24
3000-44	4A	\$11.52	0.52	24
3000-55	4A	\$24.79	1.30	20
3000-66	4A	\$33.16	1.32	20
3000-88	4A	\$45.14	1.88	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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3001 Series - For C.I. to Copper

3001-110	4A	\$13.10	0.29	24
3001-1125	4A	\$11.17	0.34	24
3001-150	4A	\$9.67	0.29	24
3001-2125	4A	\$9.67	0.46	24
3001-215	4A	\$9.67	0.46	24
3001-22	4A	\$12.71	0.39	24
3001-315	4A	\$18.75	0.76	24
3001-32	4A	\$14.38	0.76	24
3001-33	4A	\$13.64	0.52	24
3001-43	4A	\$14.61	0.96	24
3001-44	4A	\$14.38	0.66	24

3002 Series - For C.I., Plastic or Steel to Tubular

3002-150	4A	\$11.31	0.32	24
3002-155	4A	\$11.31	0.34	24
3002-215	4A	\$12.72	0.52	24

3003 Series - For Copper to Copper

3003-150	4A	\$10.44	0.23	24
3003-215	4A	\$11.17	0.52	24
3003-22	4A	\$11.17	0.44	24
3003-33	4A	\$12.75	0.61	24

3004 Series - For C.I. to C.I., Plastic or Steel

3004-320	4A	\$10.90	0.69	24
3004-420	4A	\$13.28	1.05	24
3004-430	4A	\$12.94	0.92	24
3004-540	4A	\$28.05	1.91	20

3005 Series - For Plastic, Steel or XHCI to Plastic, Steel or XHCI

3005-33	4A	\$11.08	0.37	24
3005-43	4A	\$14.26	0.83	24
3005-44	4A	\$12.96	0.45	24
3005-66	4A	\$33.16	1.09	20

3006 Series - For Copper to Cast Iron, Plastic, or Steel

3006-215	4A	\$11.17	0.49	24
3006-32	4A	\$11.56	0.81	24
3006-43	4A	\$13.12	1.00	24

3007 Series - For Plastic, Steel or XHCI to Copper

3007-32	4A	\$15.21	0.72	24
3007-33	4A	\$12.19	0.54	24
3007-43	4A	\$12.36	0.91	24
3007-44	4A	\$15.95	0.62	24

3008 Series - For Plastic, Steel or XHCI to C.I., Plastic or Steel

3008-32	4A	\$14.24	0.75	24
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3009 Series - For Thinwall Plastic to Sch. 40 Plastic

3009-33	4A	\$13.03	0.60	24
3009-44	4A	\$11.82	0.60	24

3010 Series - For Copper to Tubular

3010-150	4A	\$10.39	0.38	24
3010-215	4A	\$11.22	0.40	24

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
 NO-HUB COUPLINGS				

Standard No-Hub


NH-150	4B	\$16.69	0.23	100
NH-22	4B	\$16.69	0.26	100
NH-33	4B	\$19.92	0.35	100
NH-44	4B	\$23.56	0.41	100
NH-55	4B	\$57.29	0.85	20
NH-66	4B	\$59.71	0.98	20
NH-88	4B	\$112.73	1.40	10
NH-1010	4B	\$148.88	2.00	10
NH-1212	4B2	\$162.22	2.72	12
NH-1515	4B2	\$226.96	3.63	2
NH-215	4B	\$19.46	0.34	100
NH-32	4B	\$30.26	0.58	60
NH-42	4B	\$42.91	1.01	60
NH-43	4B	\$35.92	0.79	60

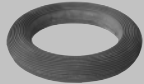
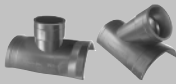




Medium Duty No-Hub

MD-150	4G	\$16.86	0.37	60
MD-22	4G	\$18.02	0.45	75
MD-33	4G	\$20.68	0.56	48
MD-44	4G	\$24.08	0.71	48
MD-55	4G	\$49.67	1.13	15
MD-66	4G	\$56.54	1.37	15
MD-88	4G	\$116.71	1.77	15
MD-1010	4G	\$149.92	2.28	12

Heavy Duty No-Hub

HD-150	4C	\$18.65	0.40	60
HD-22	4C	\$19.92	0.45	75
HD-33	4C	\$22.99	0.60	48
HD-44	4C	\$26.80	0.74	48
HD-55	4C	\$55.04	1.25	15
HD-66	4C	\$62.77	1.34	15
HD-88	4C	\$129.01	1.75	15
HD-1010	4C	\$165.86	2.00	12

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
 DONUTS: SV and XH Hub				
22U-117	3	\$7.91	0.43	40
22U-139	3	\$7.91	0.42	20
22U-201	3	\$7.70	0.27	20
22U-205	3	\$7.00	0.25	20
22U-217	3	\$7.70	0.31	20
33U-117	3	\$11.34	0.99	20
33U-139	3	\$11.34	0.92	20
33U-201	3	\$10.76	0.94	20
33U-205	3	\$10.76	0.89	20
33U-217	3	\$10.76	0.84	20
33U-301	3	\$9.69	0.45	20
33U-305	3	\$8.83	0.35	20
33U-317	3	\$9.69	0.42	20
44U-117	3	\$16.79	1.80	20
44U-139	3	\$16.79	1.91	20
44U-201	3	\$16.38	1.72	20
44U-205	3	\$16.38	1.75	20
44U-217	3	\$16.38	1.78	20
44U-301	3	\$12.75	1.26	20
44U-305	3	\$11.59	1.10	20
44U-317	3	\$12.75	1.37	10
44U-401	3	\$10.33	0.60	20
44U-403	3	\$10.33	0.58	20
44U-405	3	\$9.37	0.44	20
44U-417	3	\$10.33	0.52	20
66U-201	3	\$23.17	3.58	10
66U-205	3	\$23.17	3.38	10
66U-305	3	\$20.32	3.16	10
66U-401	3	\$18.22	2.58	40
66U-403	3	\$18.22	2.14	40
66U-405	3	\$18.22	2.45	40
66U-417	3	\$18.22	2.35	40
66U-601	3	\$13.48	3.84	10
66U-605	3	\$12.26	3.49	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
 O-RINGS				
BR-64	3	\$10.35	0.47	40
CMAs Concrete Manhole Adapters				
4CMA	3	\$7.70	0.40	40
6CMA	3	\$13.37	1.40	20
8CMA	3	\$17.71	1.75	10
10CMA	3	\$21.95	0.66	10
12CMA	3	\$24.89	0.68	20
 FLEXIBLE TAP SADDLES				
TST-4	3	\$51.15	3.35	5
TST-6	3	\$67.59	5.52	4
TSW-4	3	\$60.28	3.81	5
TSW-6	3	\$78.55	6.58	4
312-300	3	\$7.63	0.25	1
TAP SADDLE PRESSURE KIT				
TSPK-46	3	\$51.53	3.20	5
 QWIK TEES				
QT-150	3	\$17.03	0.65	20
QT-200	3	\$18.43	0.88	20
QT-300	3	\$28.17	2.18	10
QT-400	3	\$39.60	3.46	5
 QWIK ELLS				
QL-150	3	\$13.63	0.36	20
QL-200	3	\$14.47	0.46	20
QL-300	3	\$21.50	1.44	10
QL-400	3	\$32.08	2.41	5
 QWIK BUSHINGS				
QB-215	3	\$2.81	0.07	20
QB-32	3	\$4.88	0.35	20
QB-43	3	\$10.45	0.50	20
 QWIK CAPS				
QC-101 1-1/2"	3	\$4.48	0.15	40
QC-102 2"	3	\$5.24	0.20	40
QC-103 3"	3	\$6.64	0.35	40
QC-104 4"	3	\$8.50	0.51	20
QC-105 5"	3	\$11.37	1.00	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
QC-106 6"	3	\$11.67	1.26	10
QC-108 8"	3	\$23.58	2.25	10
QC-110 10"	3	\$34.32	4.55	10
QC-112 12"	3	\$62.10	3.69	5
 HOSE BIBB CAP				
HBC-1	3	\$18.27	0.79	10
HBC-2	3	\$18.51	0.84	10
HBC-3	3	\$20.27	0.97	20
HBC-4	3	\$21.49	1.16	20
 WAX FREE TOILET SEAL				
FTS-3	3	\$4.96	0.44	20
FTS-4	3	\$4.96	0.54	20
FTS-4CF	3	\$4.96	0.54	20
 WAX FREE URINAL SEAL				
FUS-2	3	\$3.80	0.11	24
 FIX-A-FLANGE				
SF-100	3	\$6.63	0.13	20
 SHOWER DRAIN CONNECTORS				
SD-200	3	\$4.39	0.11	20
SD-210	3	\$4.39	0.17	20
 QWIK TRAP				
FT-150	3	\$11.72	0.33	20
 DISHWASHER CONNECTOR				
DWC-100	3	\$3.60	0.08	20
 DRAIN TRAP CONNECTOR/ PIPE SLEEVE SEALS				
DTC-150	1	\$7.40	0.18	20
DTC-215	1	\$9.79	0.19	20
1-1/2" DTC-110	3	\$8.12	0.24	20
2" DTC-210	3	\$10.24	0.27	20
 HOSE GRIP: Clothes Washer Connector				
HG-1	3	\$9.03	0.18	20

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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TUBULAR DRAIN PIPE CONNECTOR

TC-150	1	\$6.06	0.21	20
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UTILITY CONNECTORS

UC-1550	3	\$4.14	0.15	20
UC-1575	3	\$4.14	0.12	20
UC-1510	3	\$4.14	0.10	20



EXPANSION JOINTS

XJ-150	3	\$15.45	0.38	20
XJ-2	3	\$17.55	0.47	20
XJ-3	3	\$19.00	0.61	20
XJ-4	3	\$23.90	0.75	20

DEBRIS TRAPS

WC 500-238	3	\$24.33	0.56	20
WC 600-350	3	\$27.07	0.80	0
WC 600-450	3	\$25.61	0.91	20
WC 700-450	3	\$27.36	1.07	15
WC 700-562	3	\$27.07	1.10	15
WC 800-550	3	\$32.83	1.28	20
WC 800-662	3	\$36.08	1.20	12
WC 1000-662	3	\$39.07	1.26	16



CHECK VALVES



CV-125T	3	\$16.69	0.35	24
CV-150T	3	\$16.69	0.35	24
CV-150	3	\$16.20	0.61	24
CV-200	3	\$25.60	1.30	10



DOWNSPOUT CONNECTORS

DSC-43	3	\$5.50	0.26	20
DSC-33	3	\$5.50	0.22	10
DSC-534	3	\$28.08	0.55	25
UDSC-6C - 6" Cap	3	\$15.24	0.55	12
UDSC-6P - 6" Plug	3	\$15.24	0.55	12

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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TORQUE WRENCHES

TW-100	3	\$67.15	0.42	100
TW-200	3	\$81.84	0.98	100

STAINLESS STEEL CLAMPS

PART NUM.	INV CODE	TRADE/ LIST	PART NUM.	INV CODE	TRADE/ LIST
012-300	3	\$1.12	104-300	3	\$3.95
024-300	3	\$2.39	116-300	3	\$4.42
028-300	3	\$2.39	128-300	3	\$4.66
032-300	3	\$2.52	140-300	3	\$4.90
038-300	3	\$2.78	152-300	3	\$5.13
042-300	3	\$2.79	164-300	3	\$5.33
044-300	3	\$2.83	184-300	3	\$5.73
064-300	3	\$3.16	196-300	3	\$6.34
080-300	3	\$3.45	212-300	3	\$6.80
088-300	3	\$3.56	248-300	3	\$7.18
096-300	3	\$3.76	312-300	3	\$7.63

NOTE: Series 316 Stainless Steel Clamps are available. CALL FOR DETAILS.

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
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If You Can Core Through It, You Can Connect To It.

QS-4	3	\$83.19	1.25	10
QS-4S40	3	\$83.19	1.10	10
QS-6	3	\$96.50	1.63	6
QS-6S40	3	\$96.50	1.11	6
QS-8	3	\$113.80	2.71	4

HOLE SAW WITH ARBOR

QS-5X6HS	3	\$387.20	3.90	1
QS-7X6HS	3	\$526.35	5.60	1
QS-9X6HS	3	\$687.28	9.20	1

HOLE SAW ONLY

QS-SAW5	3	\$287.98	3.20	1
QS-SAW7	3	\$427.13	4.90	1
QS-SAW9	3	\$586.85	8.50	1

HOLE SAW ACCESSORIES


QS-ARBOR	3	\$104.06	0.70	1
QS-ADAPTER	3	\$136.73	0.50	1

CORING BITS

QS-5X14CB	3	\$471.90	8.16	1
QS-7X14CB	3	\$635.25	18.39	1
QS-9X14CB	3	\$744.15	18.39	1



300 S. Dayton Street
Davison, MI 48423

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
				
FSDP-CHGG	4SD	\$80.81	4.77	9
FSDP-GP3G	4SD	\$242.41	15.69	3
FSDP-QUAD	4SDA	\$17.87	0.90	3
FSDP-EC	4SDA	\$7.17	0.11	5
FSDP-EO	4SDA	\$7.17	0.20	10

PART NUMBER	INV. CODE	TRADE/LIST PRICE	WEIGHT EACH - LBS	CARTON QUANTITY
Pow-R Wrap If You Can Wrap It...You Can Repair It!				
FPW248CS	3	\$12.71	0.27	12
FPW3132CS	3	\$28.59	0.51	12
FPW4252CS	3	\$48.28	0.55	8
Pow-R Wrap Industrial				
FPW8540S-1	3	\$178.30	4.00	1
Pow-R Patch If You Can Cover It...You Can Repair It!				
FP-P46	3	\$10.11	0.19	12
Pow-R Pack Universal Plumbing, Pipe & Hose Repair Kit				
FP-FM3P1	3	\$24.26	0.51	6



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