

ADVERTISEMENT FOR BIDS
COBB COUNTY PURCHASING DEPARTMENT

BID OPENING DATE: AUGUST 13, 2009

Cobb County will receive Sealed Bids before 12:00 NOON, August 13, 2009 in the Cobb County Purchasing Department, 1772 County Services Parkway, Marietta, GA 30008 for:

**SEALED BID # 09 – 5432
ANNUAL CONTRACT
PURCHASE OF WATER / SEWER, PIPE VALVES, AND FITTINGS
COBB COUNTY WATER SYSTEM**

No bids will be accepted after the 12:00 noon deadline.

Bids are opened at 2:00 p.m. at Cobb County Purchasing Department, 1772 County Services Parkway, 2nd Floor, Bid/Meeting Room, Marietta, GA 30008. Bids received after the date and time indicated will not be considered.

No bid may be withdrawn for a period of sixty (60) days after date of bid opening, unless otherwise specified in the bid documents. Cobb County will consider the competency and responsibility of bidders in making the award. Cobb County reserves the right to reject any and all bids, to waive informalities and technicalities, to reject portions of the bids, and to award contracts in a manner consistent with the County and the laws governing the State of Georgia.

This solicitation and any addenda are available for download in PDF format on the Cobb County purchasing website. www.purchasing.cobbcountyga.gov

To request a copy of the proposal documents, **FAX** the following information to the Purchasing Department @ 770-528-1154 or **e-mail** requests to purchasing@cobbcounty.org:

Company name, contact name, company address, phone number and fax number.

Please reference the proposal number and the title of the proposal in the request

Advertise: JULY 31, 2009
AUGUST 7, 2009



SUBMIT BID/PROPOSAL TO:
COBB COUNTY PURCHASING DEPARTMENT
1772 COUNTY SERVICES PARKWAY
MARIETTA, GA 30008-4012

BID/PROJECT NUMBER: 09-5432
ANNUAL CONTRACT
PURCHASE OF WATER / SEWER, PIPE VALVES AND FITTINGS
COBB COUNTY WATER SYSTEM

**DELIVERY DEADLINE: AUGUST 13, 2009 BEFORE 12:00 (NOON) EST
(NO BIDS/PROPOSALS WILL BE ACCEPTED AFTER THIS DEADLINE).**

BID OPENING DATE: AUGUST 13, 2009 @ 2:00 P.M. IN THE PURCHASING DEPARTMENT BID ROOM.

BUSINESS NAME AND ADDRESS INFORMATION:

COMPANY NAME: _____

CONTACT NAME: _____

COMPANY ADDRESS: _____

E-MAIL ADDRESS: _____

PHONE NUMBER: _____

FAX NUMBER: _____

NAME AND OFFICIAL TITLE OF OFFICER GUARANTEEING THIS QUOTATION:

(PLEASE PRINT/TYPE) NAME TITLE

SIGNATURE OF OFFICER ABOVE: _____
(SIGNATURE)

TELEPHONE: _____ FAX: _____

BIDDER WILL INDICATE TIME PAYMENT DISCOUNT: _____

BIDDER SHALL INDICATE MAXIMUM DELIVERY DATE: _____

BIDS RECEIVED AFTER THE DATE AND TIME INDICATED WILL NOT BE CONSIDERED. COBB COUNTY RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, TO WAIVE INFORMALITIES, TO REJECT PORTIONS OF THE BID, TO WAIVE TECHNICALITIES AND TO AWARD CONTRACTS IN A MANNER CONSISTENT WITH THE COUNTY AND THE LAWS GOVERNING THE STATE OF GEORGIA.

THE ENCLOSED (OR ATTACHED) BID IS IN RESPONSE TO INVITATION NUMBER 09-5432; IS A FIRM OFFER, AS DEFINED BY SECTION O.C.G.A. (S) 11-2-205 OF THE CODE OF GEORGIA (GEORGIA LAWS 1962 PAGES 156-178), BY THE UNDERSIGNED BIDDER. THIS OFFER SHALL REMAIN OPEN FOR ACCEPTANCE FOR A PERIOD OF 60 DAYS CALENDAR DAYS FROM THE BID OPENING DATE, AS SET FORTH IN THIS INVITATION TO BID UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS.

NOTICE TO BIDDERS - - BID QUOTES MUST INCLUDE INSIDE DELIVERY CHARGES

Advertise Dates: JULY 31, 2009
AUGUST 7, 2009

BIDDING INSTRUCTIONS – TERMS AND CONDITIONS

1. PREPARATION OF BID:

- (A) Bidders are expected to examine the drawings, specifications, schedules, and all instructions. Failure to do so will be at the bidder's risk.
- (B) Each bidder shall furnish the information required by the bid form. The bidder shall sign and print or type his/her name where designated. The person signing the bid must initial erasures or other changes.
- (C) Unit price for each quotation shall be shown and such price shall include packing unless otherwise specified, along with a total and grand total where applicable. In case of discrepancy between a unit price and extended price, the unit price will be presumed correct.
- (D) Where not otherwise specified, bidders must definitely state DATE OF DELIVERY.

2. EXPLANATION TO BIDDERS:

Any explanation desired by a bidder regarding the meaning or interpretation of Invitation to Bids, Request for Proposals or Qualifications, drawings, specifications, etc., must be in writing. All questions must be received within seven (7) business days prior to the bid opening date for a response to be generated by the County to all bidders in the form of an addendum. If any statement in the bidding documents, specifications, etc., appears ambiguous to the bidder, the bidder is specifically instructed to make a written request to the Purchasing Department, unless otherwise outlined in the specifications. Any information given to a prospective bidder concerning an Invitation for Bid will be furnished to all prospective bidders, as an addendum to the invitation, if such information is necessary to bidders in submitting bids on the invitation or if the lack of such information would be prejudicial to uninformed bidders. Receipt of the addendum by a bidder must be acknowledged on the bid or by letter received before the date and time specified for the bid opening. **ORAL EXPLANATION OR INSTRUCTIONS GIVEN BEFORE THE AWARD OF THE CONTRACT WILL NOT BE BINDING.**

3. SUBMISSION OF BIDS: FACSIMILE BIDS WILL NOT BE CONSIDERED.

- (A) Any Bid Package and modifications thereof shall be enclosed in a sealed envelope, addressed to the office specified in the Invitation to Bid, with the name and address of the bidder, the date and hour of bid opening, and name of bid. A bid reply label will be included in most bid packages stating the above referenced information. Any bid package NOT having bid information on outside of package could be opened as regular mail, and bid could be disqualified.
- (B) Samples of items, when required, must be submitted within the time specified, unless otherwise specified by the County, and at no expense to the County
- (C) An item offered must at least meet specifications called for and must be of quality which will adequately service the purpose and use for which it was intended.
- (D) Full identification of each item bid upon, including brand name, make, model, and catalog number, must be furnished according to the bid specifications if requested to identify exactly what the bidder is proposing. Supporting literature may be furnished to further substantiate the proposal.
- (E) The bidder represents that the article(s) to be furnished under this Invitation to Bid is (are) new and that the quality has not deteriorated so as to impair its usefulness.
- (F) Bids cannot be withdrawn or corrected after the bid opening (except reductions or changes by the successful bidder which would be beneficial or advantageous to the County). The County as deemed necessary may reject changes.
- (G) Cobb County is exempt from Federal Excise Tax and Georgia Sales Tax.
- (H) Cobb County does not accept conditional bids.

4. DEFAULT:

The Award as a result of bids received under this invitation may be in part based on the delivery factor. Accordingly, should delivery fail to be performed within the time specified by the bidder, the bid may then be declared in default of the contract. In such event, the County may then proceed to purchase in the open market the items from another source.

5. F.O.B. POINT:

Unless otherwise stated in the Invitation to Bid and any resulting contract, all articles will be F.O.B. Destination. This means delivered, unloaded, and placed in the designated place.

6. AWARD OF CONTRACT:

The Contract will be awarded to the responsible bidder whose bid will be the most advantageous to the County, price, and other factors considered. The County will make the determination. The County reserves the right at any time to reject any and all bids, to waive informalities and technicalities, to award portions of the bid, and to award contracts consistent with the County and the laws governing the State of Georgia. Normal payment terms are net thirty (30) days after receipt of invoice by the Finance Department.



COBB COUNTY
PURCHASING DEPARTMENT
1772 County Services Parkway
Marietta, Georgia 30008-4012
(770) 528-8400/FAX (770) 528-1154
www.cobbcounty.org

IMPORTANT NOTICE – PLEASE READ CAREFULLY!!

All vendors are required to submit the ORIGINAL AND AT LEAST one (1) duplicated copy of any bid submitted to Cobb County. Please refer to your bid specifications to determine if more than one (1) copy is required. Non-submission of a duplicate copy may disqualify your bid/proposal.

A “**SEALED BID LABEL**” has been enclosed to affix to your bid. This label ***MUST*** be affixed to the outside of the envelope or package, **even if it is a “NO BID” response**. Failure to attach the label may result in your bid being opened in error or not being routed to the proper location for consideration. No bid will be accepted after the date and time specified. **IT IS THE VENDOR’S RESPONSIBILITY TO ENSURE THAT EACH BID HAS BEEN RECEIVED IN A TIMELY MANNER.**

BIDS MUST BE RECEIVED BEFORE 12:00 (NOON) ON BID OPENING DAY

Bids must be received at the Cobb County Purchasing Department. **Any bids received later than 12:00 (noon) will not be accepted.** The County accepts no responsibility for delays in the mail. Bids are to be mailed or hand delivered to:

COBB COUNTY PURCHASING DEPARTMENT
1772 COUNTY SERVICES PARKWAY
MARIETTA, GA 30008-4012

Bids will be opened at 2:00 P.M. in the Cobb County Purchasing Department, 1772 County Services Parkway, 2nd Floor, Conference/Bid Room, Marietta, GA 30008.

Thank you in advance for your cooperation.

SEALED BID LABEL

SEALED BID ENCLOSED

DELIVER TO:
COBB COUNTY PURCHASING
1772 County Services Parkway
Marietta, GA 30008-4012

SEALED BID # 09-5432 DATE: August 13, 2009

BIDS MUST BE RECEIVED BEFORE 12:00 NOON

**DESCRIPTION: Annual Contract
Purchase of Water / Sewer, Pipe Valves and Fittings**

PLEASE ATTACH LABEL TO OUTSIDE OF BID PACKAGE



Cobb County...Expect the Best!

INVITATION TO BID

SEALED BID # 09-5432

ANNUAL CONTRACT

**PURCHASE OF WATER / SEWER PIPE, VALVES AND FITTINGS
COBB COUNTY WATER SYSTEM**

BID OPENING DATE: AUGUST 13, 2009

BIDS ARE RECEIVED IN THE
COBB COUNTY PURCHASING DEPARTMENT
1772 COUNTY SERVICES PARKWAY
MARIETTA, GEORGIA 30008

BEFORE 12:00 (NOON) BY THE BID OPENING DATE

BIDS WILL BE OPENED IN THE COBB COUNTY PURCHASING DEPARTMENT
BID/MEETING ROOM AT 2:00 P.M.

**VENDORS ARE REQUIRED TO SUBMIT THE ORIGINAL AND 1 COPY OF BID
(UNLESS OTHERWISE SPECIFIED IN BID SPECIFICATIONS)**

N.I.G.P. COMMODITY CODE: ASSORTED

NAME: _____

ADDRESS: _____

REPRESENTATIVE: _____

PHONE: _____ FAX: _____

E-MAIL _____

NOTE: The Cobb County Purchasing Department will not be responsible for the accuracy or completeness of the content of any Cobb County Invitation to Bid or Request for Proposal or subsequent addenda thereto received from a source other than the Cobb County Purchasing Department.



Cobb County...Expect the Best!

"STATEMENT OF NO BID"

COBB COUNTY PURCHASING DEPARTMENT
1772 COUNTY SERVICES PARKWAY
MARIETTA, GA 30008

TO ALL PROSPECTIVE BIDDERS:

Because of the many requests to be placed on our vendors' list, we are continuously updating the list. While we want to include all bona fide vendors, we do not want to mail bids to those vendors who may no longer be interested in participating in our bidding process.

If you do not choose to respond to the attached Invitation to Bid/Request for Proposal, please fill out the form below indicating whether or not you want to be retained on our current vendor list.

Vendors who do not respond in any way (by either submitting a bid or by returning this form) over a period of one year may be removed from the current vendor list.

Vendors who do not wish to bid often return the entire bid package, sometimes at considerable postage expense. Returning the entire bid package is not necessary. Simply return this form.

Thank you for your cooperation.
Cobb County Purchasing Department

**"STATEMENT OF NO BID"
SEALED BID NUMBER 09-5432
ANNUAL CONTRACT
PURCHASE OF WATER / SEWER PIPE, VALVES AND FITTINGS**

If you do not wish to respond to the attached Invitation to Bid/Request for Proposal, please complete this form and mail/fax to: **Cobb County Purchasing Department, Attention: Sealed Bid Department, 1772 County Services Parkway, Marietta, GA. Fax # 770-528-1154**

I do not wish to submit a bid/proposal on this solicitation.

I wish to be retained on the vendor list for this commodity or service: Yes _____ No _____

Please PRINT the following:

_____ Company

_____ Representative

You are invited to list reasons for your decision not to bid: _____

ANNUAL BID FOR:{PRIVATE }
WATER\SEWER PIPE, VALVES AND FITTINGS
COBB COUNTY WATER SYSTEM

SEALED BID #09-5432

OWNER:

COBB COUNTY BOARD OF COMMISSIONERS
COBB COUNTY, GEORGIA

Invitation to Bid
Annual Contract – Purchase of Water/Sewer Pipe, Valves and Fittings
Cobb County Water System
Sealed Bid #09-5432

General Instructions For Bidders, Terms and Conditions

I. Preparation Of Bids

Each bidder shall examine the drawings, specifications, schedule and all instructions. Failure to do so will be at the bidder's risk, as the bidder will be held accountable for their bid response.

Each bidder shall furnish all information required by the bid form or document. Each bidder shall sign the bid and print or type his or her name on the schedule. The person signing the bid must initial erasures or other changes. An authorized agent of the company must sign bids.

Due to the large number of vendors listed in certain categories of the Cobb County vendor's list, not all vendors will necessarily be sent an Invitation to Bid each time one is issued. Invitations to Bid issued by Cobb County are advertised on Cobb County TV23, the Cobb County Internet site <http://www.cobbcounty.org> and every Friday in the Marietta Daily Journal.

II. Delivery

Each bidder should state the time of proposed delivery of goods or services. Words such as "immediate", "as soon as possible", etc. shall not be used. The known earliest date or the minimum number of calendar days required after receipt of order (delivery A.R.O.) shall be stated (if calendar days are used, include Saturday, Sunday and holidays in the number).

III. Explanation to Bidders

Any explanation desired by a bidder regarding the meaning or interpretation of the invitation for bids, drawings, specifications, etc. must be received seven (7) working days prior to bid opening in order for a reply to reach all bidders before the close of the bid. Any information given to a prospective bidder concerning an invitation to bid will be furnished to all prospective bidders as an addendum to the invitation if such information is necessary or if the lack of such information would be prejudicial to uninformed bidders.

The written bid documents supersede any verbal or written communication between parties. Receipt of addendum should be acknowledged in the bid. Although the Purchasing Division will take effort to send any addendum to known bidders, it is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior

to bid submittal. This may be accomplished via contact with the Purchasing Division prior to bid submittal.

IV. Submission of Bids

Bids shall be enclosed in sealed envelopes, addressed to the Cobb County Purchasing Department with the name of the bidder, the date and hour of opening and the invitation to bid number on the face of the envelope. Bids must be received in the Purchasing Department no later than the date and time (determined by the date/time stamp in the department) set forth in the Invitation to Bid. It is the sole responsibility of the bidder to ensure that his or her bid reaches the Purchasing Department. Telegraphic/faxed bids will not be considered. Any addenda should be enclosed in the sealed envelopes as well. The bids will be publicly opened and read at the time and place set forth in the Invitation to Bid.

Samples of items, when required, must be submitted within the time specified and, unless otherwise specified by the County, at no expense to the County. Unless otherwise specified, samples will be returned at the bidder's request and expense if items are not destroyed by testing. Items offered must meet required specifications and must be of a quality, which will adequately serve the use and purpose for which intended.

Full identification of each item bid upon, including brand name, model, catalog number, etc. must be furnished to identify exactly what the bidder is offering. The bidder must certify that items to be furnished are new and that the quality has not deteriorated so as to impair its usefulness.

If no items are bid on, the "Statement of No Bid" must be returned, with the envelope plainly marked "No Bid" including the bid number. Where more than one item is listed, any items not bid upon must be indicated "No Bid".

Unsigned bids will not be considered except in cases where bid is enclosed with other documents, which have been signed. The County will determine this.

Cobb County is exempt from federal excise tax and Georgia sales tax with regards to goods and services purchased directly by Cobb County. Suppliers and contractors are responsible for federal excise tax and sales tax, including any taxes for materials incorporated in county construction projects. Suppliers and contractors should contact the State of Georgia Sales Tax Division for additional information. Tax Exemption Certificates will be furnished upon request.

Information submitted by a bidder in the bidding process shall be subject to disclosure after the public opening in accordance with the Georgia Open Records Act. Each page of proprietary information must be identified. Entire bid may not be deemed proprietary.

V. Withdraw Bid Due To Errors

The bidder shall give notice in writing of his claim of right to withdraw his bid without penalty due to an error within two (2) business days after the conclusion of the bid opening procedure. Bids may be withdrawn from consideration if the price was substantially lower than the other bids due solely to a mistake therein, provided the bid was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of the bid, which unintentional arithmetic or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid sought to be withdrawn. The bidder's original work papers shall be the sole acceptable evidence of error and mistake if he elects to withdraw his bid. If a bid is withdrawn under the authority of this provision, the lowest remaining responsive bid shall be deemed to be low bid.

No bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn bid was submitted.

Supplier has up to forty-eight (48) hours to notify the Cobb County Purchasing Department of an obvious clerical error made in calculation of bid in order to withdraw a bid after bid opening. Withdrawal of bid for this reason must be done in writing within the forty-eight (48) hour period. Suppliers who fail to request the withdrawal of bid by the required forty-eight (48) hours shall automatically forfeit bid bond. Bid may not be withdrawn otherwise. Bid withdrawal is not automatically granted and will be allowed solely at the discretion of Cobb County.

VI. Testing and Inspection

Since tests may require several days for completion, the County reserves the right to use a portion of any supplies before the results of tests are determined. Cost of inspections and tests of any item, which fails to meet specifications, shall be borne by the bidder.

VII. F.O.B. Point

Unless otherwise stated in the Invitation to Bid and any resulting contract, or unless qualified by the bidder, items shall be shipped F.O.B. Destination. The seller shall retain title for the risk of transportation, including the filing for loss or damages. The invoice covering the items is not payable until items are delivered and the contract of carriage has been completed. Unless the F.O.B. clause states otherwise, the seller assumes transportation and related charges either by payment or allowance.

VIII. Patent Indemnity

The contractor guarantees to hold the County, its agents, officers, or employees harmless from liability of any nature or kind for use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, articles or appliances furnished or used in the performance of contract, for which the contractor is not the patentee, assignee or licensee.

IX. Discounts

Time payment discounts will be considered in arriving at net prices and in award of bids. Offers of discount for payment within ten (10) days following the end of the month are preferred.

X. Award

Award will be made to the lowest responsive and responsible bidder. Conditional bids are not acceptable. The quality of articles to be supplied, their conformity with the specifications, their suitability to the requirements of the County, and the delivery terms will be taken into consideration in making the award. The County may make such investigations as it deems necessary to determine the ability of the bidder to perform, and the bidder shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any bid if the evidence submitted by, or investigation of such bidder fails to satisfy the County that such bidder is properly qualified to carry out the obligations of the contract. The County reserves the right to reject or accept any or all bids and to waive technicalities, informalities, and minor irregularities in bids received.

The County reserves the right to purchase the goods or services described herein from other sources. The Bidder does not have the exclusive right to fill all of the County's requirements for the goods or services awarded nor will the County be obligated to purchase the estimated annual quantity or any quantity contained in the bid document.

The County reserves the right to make an award as deemed in its best interest, which may include awarding a bid to a single bidder or multiple bidders; or to award the whole bid, only part of the bid, or none of the bid to single or multiple bidders, based on its sole discretion of its best interest. In case of tie bid, the award will be made as follows:

1. The bid will be awarded to the in-county vendor.
2. The bid will be awarded to the in-state vendor.
3. The bid will be awarded to the vendor with the lesser total dollar volume.

The County reserves the right to award by line item to more than one vendor. The County reserves the right to negotiate a lower price than the bid award price on any

line item with the successful vendor, should the quantity required significantly exceed those on the Invitation to Bid. If the County is unable to negotiate an acceptable price, it reserves the right to rebid the item(s) involved. If after the award of the bid there is a decrease in the price of a product from the manufacturer, or a rebate, the successful bidder will pass that price decrease and/or rebate onto the County.

Bids are available for public inspection within 24 hours after bid opening, by appointment only.

XI. Delivery Failures

Failure of a contractor to deliver within the time specified or within reasonable time as interpreted by the Purchasing Director, or failure to make replacement of rejected articles/services when so requested, immediately or as directed by the Purchasing Director, shall constitute authority for the Purchasing Director to purchase in the open market articles/services of comparable grade to replace the articles/services rejected or not delivered. On all such purchases, the contractor shall reimburse the County within a reasonable time specified by the Purchasing Director for any expense incurred in excess of contract prices, or the County shall have the right to deduct such amount from monies owed the defaulting contractor. Alternatively, the County may penalize the contractor one percent (1%) per day for a period of up to ten (10) days for each day that delivery or replacement is late. Should public necessity demand it, the County reserves the right to use or consume articles delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Director.

XII. County Furnished Property

No material, labor or facilities will be furnished by the County unless so provided in the invitation to bid.

XIII. Reject And Withdraw Bids

Failure to observe any of the instructions or conditions in this invitation to bid may constitute grounds for rejection of bid.

XIV. Contract

Each bid is received with the understanding that the acceptance in writing by the County of the offer to furnish any or all commodities or services described therein shall constitute a contract between the bidder and the County which shall bind the bidder on his part to furnish and deliver the articles quoted at the prices stated in accordance with the conditions of said accepted bid. The County, on its part, may order from such contractor, except for cause beyond reasonable control, and to pay for, at the agreed prices, all articles specified and delivered. Payment terms are net thirty (30) days after receipt of invoice.

The Price and all unit prices shown shall be deemed to include all costs of Contractor's performance of the Work as set forth in the Bid Documents, including, but not limited to, the costs of labor, supervision, travel, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance and taxes.

Upon receipt of a bid package, containing a Cobb County "Sample Contract" as part of the requirements, it is understood that the bidder has reviewed the documents with the understanding that Cobb County requires all agreements between the parties must be entered into via this document. If any exceptions are taken to any part, each must be stated in detail and submitted as part of the bid. If no exceptions are stated, it is assumed that the bidder fully agrees to the provisions contained in the "Sample Contract" in its entirety.

When the contractor has performed in accordance with the provisions of this agreement, Cobb County shall pay the contractor, within thirty (30) days of receipt of any payment request based upon work completed or service provided pursuant to the contract, the sum so requested, less the retainage stated in this agreement, if any.

XV. Non-Collusion

By submission of a bid, the vendor certifies, under penalty of perjury, that to the best of its knowledge and belief:

- (a) The prices in the proposal have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor.
- (b) Unless otherwise required by law, the prices which have been quoted in the proposal have not been knowingly disclosed by the vendor prior to opening, directly or indirectly, to any other vendor or to any competitor.
- (c) No attempt has been made, or will be made, by the vendor to induce any other person, partnership or corporation to submit or not to submit a proposal for the purpose of restricting competition.

Collusions and fraud in bid preparation shall be reported to the State of Georgia Attorney General and the United States Justice Department.

XVI. Conflict of Interest, Etc.

By submission of a bid, the responding firm certifies, under penalty of perjury, that to the best of its knowledge and belief:

1. No circumstances exist which cause a Conflict of Interest in performing the services required by this ITB, and
2. That no employee of the County, nor any member thereof, not any public agency or official affected by this ITB, has any pecuniary interest in the business of the responding firm or his sub-consultant(s) has any interest that would conflict in any manner or degree with the

performance related to this ITB.

By submission of a bid, the vendor certifies under penalty of perjury, that to the best of its knowledge and belief:

- (a) The prices in the bid have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor.
- (b) Unless other wise required by law, the prices which have been quoted in the bid have not knowingly been disclosed by the vendor prior to opening, directly or indirectly, to any other vendor or competitor.
- (c) No attempt has been made, or will be made, by the vendor to induce any other person, partnership or cooperation to submit or not to submit a bid for the purpose of restricting competition.

For any breach or violation of this provision, the County shall have the right to terminate any related contract or agreement without liability and at its discretion to deduct from the price, or otherwise recover, the full amount of such fee, commission, percentage, gift, payment or consideration.

The successful responding firm shall require each of its sub-consultant(s) to sign a statement certifying to and agreeing to comply with the terms of the Sub-sections above.

XII. Default

The contract may be cancelled or annulled by the Purchasing Director in whole or in part by written notice of default to the contractor upon non-performance or violation of contract terms. An award may be made to the next low responsive and responsible bidder, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting contractor (or his surety) shall be liable to the County for costs to the County in excess of the defaulted contract prices; provided, however, that the contractor shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the contractor to deliver materials or services within the time stipulated on his bid, unless extending in writing by the Purchasing Director, shall constitute contract default.

XIII. Disputes

Except as otherwise provided in the contract documents, any dispute concerning a question of fact arising under the contract which is not disposed of shall be decided after a hearing by the Purchasing Director, who shall reduce his/her decision to writing and mail or otherwise furnish a copy thereof to the contractor. The decision of the Purchasing Director shall be final and binding; however, the contractor shall have the right to appeal said decision to a court of competent jurisdiction.

XIX. Substitutions

Bidders offering and quoting on substitutions or who are deviating from the attached specifications shall list such deviations on a separate sheet to be submitted with their bid. The absence of such a substitution list shall indicate that the bidder has taken no exception to the specifications contained herein.

XX. Ineligible Bidders

The County may choose not to accept the bid of a bidder who is in default on the payment of taxes, licenses, or other monies due to the County. Failure to respond three (3) consecutive times for any given commodity/service may result in removal from the supplier list under that commodity/service.

XXI. Alterations Of Documents

Alterations of County documents are strictly prohibited and will result in automatic disqualification of the firm's solicitation response. If there are "exceptions" or comments to any of the solicitation requirements or other language, then the firm may make notes to those areas, but may not materially alter any document language.

XXII. Termination For Convenience

The County, by written notice, may terminate this contract, in whole or in part, when it is in the County's interest. If this contract is terminated, the County shall be liable only for goods or services delivered or accepted. The County Notice of Termination may provide the contractor thirty (30) days prior notice before it becomes effective. However, at the County's sole option a termination of convenience may be effective immediately and may apply to delivery orders (if applicable) or to the contract in whole.

XXIII. Inter-governmental Agreement

Other cities and Authorities located in Cobb County will be allowed to purchase identical items at the same price and upon the same terms and conditions, pursuant to the Intergovernmental Cooperative Purchasing Agreements entered into between the BOC and Cobb County Governmental entities listed under the Intergovernmental Cooperative Purchasing Program. These entities include the Cobb County Board of Education and Cities of Acworth, Austell, Kennesaw, Smyrna, Marietta, and Powder Springs and the Cobb County-Marietta Water Authority and the Cobb-Marietta Coliseum and Exhibit Hall Authority.

XXIV. Indemnification and Hold Harmless

By submission of a bid, the selected responding firm agrees to the fullest extent permitted by law to indemnify Cobb County and protect, defend, indemnify and hold

harmless Cobb County, its officers, officials, employees and volunteers from and against all claims, actions, liabilities, losses (including economic losses), or costs arising out of any actual or alleged a) bodily injury, sickness, disease, or death; or injury to or destruction of tangible property including the loss of use resulting there from; or any other damage or loss arising out of or resulting claims resulting in whole or part from any actual or alleged act or omission of the responding firm, sub-consultant, anyone directly or indirectly employed by any firm or sub-consultant; or anyone for whose acts any of them may be liable in the performance of work; b) violation of any law, statute, ordinance, governmental administrative order, rule, regulation, or infringements of patent rights or other intellectual property rights by the responding firm in the performance of work; or c) liens, claims or actions made by the responding firm or other party performing the work, as approved by Cobb County. The indemnification obligations herein shall not be limited by any limitation on the amount, type of damages, compensation, or benefits payable by or for the responding firm or its sub-consultant(s), as approved by the County, under workers' compensation acts, disability benefit acts, other employee benefit acts, or any statutory bar or insurance.

XXV. Special Terms and Conditions

Should these General Terms and Conditions be in conflict with any attached Special Terms and Conditions, the Special Terms and Conditions will control.

XXVI. Disadvantaged Business Enterprises (DBE): The following provisions should be carefully read to determine applicability to your business.

Cobb County Government encourages the participation of all businesses in offering their services and/or products. The Cobb County Government has the goal to fairly and competitively procure the best product at the most reasonable cost.

A Disadvantaged Business Enterprise (DBE) is generally defined as a Female, Black American, Hispanic American and any other minority owned business. The Federal Government has long had program in place to ensure participation of DBE vendors and suppliers. The State of Georgia has established a similar program whereby DBE firms are defined, certified and made known. This effort is managed by the Georgia Department of Transportation (GDOT). More information can be obtained from GDOT web site:

1. <http://www.dot.state.ga.us/eo-div/index.shtml>

The Cobb County Government addresses DBE business participation (frequency and dollar value) in the following ways:

1. Cobb County wishes to identify all DBE participation; both at the contractor and sub-contractor levels in the following ways.

- a. DBE businesses are requested to identify such status at the time they register as a vendor.
- b. DBE businesses are requested to identify themselves at the time they propose to do business. Please complete **EXHIBIT B** if applicable and return with bid submittal.
- c. All businesses will receive with each Purchase Order an instruction sheet for use of the furnished *Cobb County Government DBE Participation Report*, **EXHIBIT C**. Businesses are requested to complete this report and submit it with each invoice for the time period billed.

2. Cobb County has established a Disadvantaged Business Enterprise Plan in accordance with the regulations of the U.S. Department of Transportation (U. S. Department of Transportation (USDOT), 49 CFR Part 26.) The Cobb County Department of Transportation is the lead agency for implementing the USDOT DBE Program for the County.

The Plan applies only to projects which are clearly indicated by the County.

XXVII. Americans With Disabilities Act

Cobb County requires all contractors to comply with applicable sections of the Americans With Disabilities Act (ADA) as an equal opportunity employer. In compliance with the Americans With Disabilities Act (ADA), Cobb County provides reasonable accommodations to permit a qualified applicant with a disability to enjoy the privileges of employment equal to those employees without disabilities. Disabled individuals must satisfy job requirements for education background, employment experience, and must be able to perform those tasks that are essential to the job with or without reasonable accommodations.

XXVIII. Evidence of Compliance with Georgia Security & Immigration Compliance Act

The County and Contractor agree that compliance with the requirements of O.C.G.A. Sec. 13-10-91 and Rule 300-10-1-.02 of the Rules of the Georgia Department of Labor are conditions of this Agreement for the physical performance of services.

The Contractor represents that it employs:

- _____ 500 or more employees;
- _____ 100 or more employees; or
- _____ fewer than 100 employees

(Contractor must initial appropriate category).

Contractor Name

The Contractor further agrees that its compliance with the requirements of O.C.G.A. Sec. 13-10-91 and DOL Rule 300-10-1-.02 is attested to on the executed Contractor Affidavit and Agreement attached hereto as EXHIBIT A.

If employing or contracting with any subcontractor(s) in connection with this Agreement, Contractor further agrees:

- (1) To secure from the subcontractor(s) such subcontractor(s)' indication of the employee-number category applicable to the subcontractor(s); and
- (2) To secure from the subcontractor(s) an affidavit attesting to the subcontractor's compliance with O.C.G.A. Sec. 13-10-91 and DOL Rule 300-10-1-.02; such affidavit being in the form attached hereto and referenced as EXHIBIT A-1; and
- (3) To submit such subcontractor affidavit(s) to the County when the subcontractor(s) is retained, but in any event, prior to the commencement of work by the subcontractor(s).

The failure of Contractor to supply the affidavit of compliance at the time of execution of this Agreement and/or the failure of Contractor to continue to satisfy the obligations of O.C.G.A. Sec. 13-10-91 and DOL Rule 300-10-1-.02 as set forth in this Agreement during the term of the Agreement shall constitute a material breach of the contract. Upon notice of such breach, Contractor shall be entitled to cure the breach within ten (10) days, upon providing satisfactory evidence of compliance with the terms of this Agreement and State law. Should the breach not be cured, the County shall be entitled to all available remedies, including termination of the contract and damages.

THIS PAGE MUST BE SUBMITTED WITH BID PACKAGE

SEE AFFIDAVITS ON FOLLOWING PAGES

**CONTRACTOR AFFIDAVIT & AGREEMENT
EXHIBIT A**

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is contracting with Cobb County, Georgia, has registered and is participating in a federal work authorization program* [an electronic verification of work authorization program operated by the U.S. Department of Homeland Security or any equivalent federal work authorization program operated by the U.S. Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603], in accordance with the applicability provisions and deadlines established in O.C.G.A. § 13-10-91.

The undersigned further agrees that should it employ or contract with any subcontractor(s) for the physical performance of services pursuant to the contract with Cobb County, Georgia, the contractor will secure from the subcontractor(s) verification of compliance with O.C.G.A. § 13-10-91 on the attached Subcontractor Affidavit. (EXHIBIT A-1). The contractor further agrees to maintain records of such compliance and shall provide a copy of each such verification to Cobb County, Georgia, at the time the subcontractor(s) is retained to perform such services.

BY: _____ Date: _____
Authorized Officer or Agent
[Contractor Name]

Title

Printed Name

Company Name

SUBSCRIBED AND SWORN
BEFORE ME ON THIS THE
____ DAY OF _____, 200_

Notary Public
My Commission Expires:

**The applicable federal work authorization program as of the effective date of the statute is the Basic Pilot program of the Systematic Alien Verification for Entitlements (SAVE) Program Office of U.S. Citizenship and Immigration Service (USCIS).*

**SUBCONTRACTOR AFFIDAVIT
EXHIBIT A-1**

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of Cobb County, Georgia, has registered and is participating in a federal work authorization program* [an electronic verification of work authorization program operated by the U.S. Department of Homeland Security or any equivalent federal work authorization program operated by the U.S. Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act of 1986 (IRCA)], in accordance with the applicability provisions and deadlines established in O.C.G.A. § 13-10-91.

BY: _____
Authorized Officer or Agent
[Contractor Name]

Date: _____

Title

Printed Name

Company Name

SUBSCRIBED AND SWORN
BEFORE ME ON THIS THE
____ DAY OF _____, 200_

Notary Public
My Commission Expires:

**The applicable federal work authorization program as of the effective date of the statute is the Basic Pilot program of the Systematic Alien Verification for Entitlements (SAVE) Program Office of U.S. Citizenship and Immigration Service (USCIS).*

EXHIBIT B

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) IDENTIFICATION
FORM**

A Disadvantaged Business Enterprise (DBE) is generally defined as a Female, Black American, Hispanic American and any other minority owned business. If your firm is classified as a Disadvantaged Business Enterprise (DBE), please complete this form and submit with bid response or send to:

Cobb County Purchasing Department
Attn: Mr. Rick Brun, Purchasing Director
1772 County Services Parkway
Marietta, GA 30008
Fax: 770-528-1154
Email: purchasing@cobbcounty.org

Name of Firm: _____

Address: _____

Telephone: _____

Fax: _____

Email: _____

MBE Certification Number: _____

Name of Organization Certification _____

This information is acquired for informational purposes only and will have no bearing on the award unless otherwise stated

Instructions for Completing Exhibit C
Disadvantaged Business Enterprise (DBE)
Participation Report

All Cobb County Government contractors or vendors are requested to complete a report descriptive of any DBE subcontractor involvement in work for which the government is making payment. If otherwise specified in an RFP or contract, additional reporting forms may be required as well.

The objective of this request is to assist in the identification of Disadvantaged Business Enterprise (DBE) business participation with the Cobb County Government and to quantify that participation.

The Cobb County Government does not administer a DBE Certification Program. The principle certification agency for the State of Georgia is the Georgia Department of Transportation. As a Contractor/Vendor you are not responsible for verification of any DBE Certification information of your subcontractor.

***** Instructions *****

1. Contractor/Vendor is furnished the one-page ***DBE Participation Report*** form with each Cobb County Government-issued Purchase Order.
2. Contractor/Vendor completes this form for each billing period and attaches it to the invoice to then be sent to the Cobb County Government.
3. Upon receipt of a Contractor/Vendor invoice, County staff should simply separate the completed DBE form and transmit to:

Cobb County Purchasing Department,
Attn.: DBE Report

A Disadvantaged Business Enterprise (DBE) is a firm that is under the control of someone in an ownership position (at least 51%) that:

1. Has membership in one or more of the following groups: Female, Black American, Hispanic American, Native American, Subcontinent Asian American and Asian-Pacific America. There may be other groups that may be eligible to be certified as DBE;
2. Is a U.S. citizen or lawfully admitted permanent resident of the U.S.;
3. Has a personal net worth which does not exceed \$750,000; and,
4. The business meets the Small Business Administration's size standard for a small business and does not exceed \$17.42 million in gross annual receipts;
5. The business is organized as a for-profit business.
6. The business may also be DBE eligible as a certified U.S. Small Business Administration 8(a) program.

EXHIBIT C
Cobb County Government Disadvantaged
Business Enterprise Participation Report

→ *PLEASE keep this blank form to make copies for actual use as needed. Also, please print or type in the form.* ←

Submitted by: _____ Period Invoiced: _____
Name of Prime Contractor/Vendor **From/To:**
 Cobb County Project Name: _____ Bid or P.O. Number: _____
 Cobb County Department or Agency receiving service or product: _____
 Description of Purchased Service/Product: _____
 Full Contracted Amount: \$ _____ Payment amount requested at this time: \$ _____

1. Are YOU, the Prime Contractor or Vendor a DBE business? YES _____ NO _____
2. Please provide the following information for each subcontractor participating during this reporting period:

Subcontractor Business Name	Type Service or Product Supplied	Subcontractor Business/Contact Tel. Number	Actual Dollar Value of Subcontractor Participation this Reporting Period
			\$
			\$
			\$
			\$
			\$
			\$
			\$

Submitted by: _____
 Printed Name

Title or position: _____

Signature of Authorized Representative

Date Completed: _____

County Departments: Please send this completed form to the Cobb County Purchasing Department, ATTN: DBE Report

SPECIAL INSTRUCTIONS TO BIDDERS AND GENERAL CONDITIONS

I. General:

The Cobb County Water System maintains a vast water and sewer line infrastructure. An availability of inventory of pipe, valves and fittings in a quick delivery timeframe of maintenance or replacement parts must be assured. Interested bidders must submit bids for the Water System scope of work for their bid to be considered. Bids shall be submitted exactly as described on the bid form.

Bids are due to the Cobb County Purchasing Department located at 1772 County Services Parkway, Marietta, Ga. 30008, before (Noon) **on August 13, 2009**. Late bids will not be accepted.

Contract Period:

Contract awarded as a result of bids submitted under this Sealed Bid shall extend from the date of award for a period of 12 full months.

Pricing:

Prices shall remain firm for the duration of the initial Contract period. Reasonable price changes based on market conditions and price/cost analysis may be made after the initial Contract period. The Contractor shall supply documentation satisfactory to Cobb County, such as documented changes to: Producers Price Index, Table 3. Producer price indexes for selected commodity groupings; Consumer Price Index, Table 3: Consumer Price Index for All Urban Consumers (CPI-U): Selected areas, all items, for the Atlanta, GA area; or a manufacturer's published notification of price change(s).

Cobb County will evaluate this information to determine if revising the pricing is considered fair and reasonable to the satisfaction of Cobb County. Requests for any such change must to be received in writing by the Cobb County Purchasing Department thirty (30) days prior to the expiration of the contract term. The County may cancel the contract if the price increase request is not approved.

All price reductions at the manufacturers' or distributors' level shall be reflected in a reduction of the contract price(s) to Cobb County retroactive to the effective date of the price reduction(s).

Option to Extend the Term of Contract:

Contract is renewable, at the option of Cobb County Government, and upon written agreement by the vendor. However, the total duration of this contract, including the exercise of any options, shall not exceed three (3) years (basic year and two (2) one (1) year options).

2. Securing Documents:

Copies of the proposed Contract Documents may be obtained from:

**COBB COUNTY PURCHASING DEPARTMENT
1772 COUNTY SERVICES PARKWAY
MARIETTA, GEORGIA 30008**

3. Bid Form:

In order to receive consideration, make bids in strict accordance with the following:

- a. Make bids upon the form provided therefore, properly signed and with all items of interest completed. Do not change, alter or add words to the Bid Form. Unauthorized conditions, limitations, or provisions attached to the bid may be cause for rejection.
- b. Bids will only be accepted in a sealed envelope that clearly provides the Name of the Work, the Date and Time of the Bid and the Name of the Bidder. No telegraphic bids or telegraphic modifications of a bid will be accepted. Late bids will not be accepted.
- c. Bid package shall include a completely filled out and executed Bid Form. **Submit an original and one (1) copy of the bid to the Cobb County Purchasing Department.**
- d. Address bids to:

**Cobb County Purchasing Department
1772 County Services Parkway
Marietta, Georgia 30008**

BIDS SHALL BE DELIVERED TO THE COBB COUNTY PURCHASING DEPARTMENT LOCATED AT 1772 COUNTY SERVICES PARKWAY, MARIETTA, GA, PRIOR TO THE DATE AND TIME SPECIFIED HEREIN.

4. Preparations for Delivery:

All parts or materials will be purchased on an as-needed basis during the contract period. The bid price shall include delivery to Cobb County Water System, 680 South Cobb Drive, Marietta, Georgia 30060-3113, Building #4. Parts and materials shall be delivered promptly as requested with a delivery date not greater than 20 days.

5. Alternate Materials:

When an item is quoted as "equal" to the specifications in the bid that references a specific brand name, then the alternate must meet all of the specifications, implied or qualified, called for in the bid

item. Partial substitution of the specifications will be grounds for disqualification of the bid for that item. The bidder is requested to fully explain, on an attached sheet, the information pertaining to the alternate item, particularly if it is not a well-known brand.

6. Order Quantities:

The Owner assumes, unless otherwise stated, that prices quoted are for order quantities of one (1) each to larger truckload lots. However, purchaser will make every effort to order in the larger quantities.

7. Warranty and/or Guarantee:

The bidder will state, as an attachment, any warranty or guarantee that applies to a line item quoted. If no warranty or guarantee applies to an item, then it should be so stated at the end of the section.

8. Delivery Information:

It is assumed that there will be a maximum delivery span of NO MORE than twenty (20) calendar days from receipt of the order. If the item is to be supplied directly from the manufacturer, the bidder will state the name of the manufacturer and their address. **IF THE BIDDER CANNOT DELIVER AN ITEM OR ITEMS WITHIN A TWENTY (20) CALENDAR DAY PERIOD, THE PURCHASER RESERVES THE RIGHT TO PURCHASE THE ITEM (S) FROM OTHER VENDORS.**

F.O.B. Point:

Bid prices are to be based on F.O.B. destination, with delivery to be either to the Cobb County Water System or to specified work sites within the confines of Cobb County. Each order for material will state the place of delivery on the purchase order. In the event material is mis-delivered by the carrier, the bidder will be responsible for any additional freight charges incurred. Additionally, should the bidder elect to combine several destination shipments on one truck, any additional charges incurred through mistakes by the carrier will be the responsibility of the bidder.

Delivery Notification:

The bidder will be responsible for insuring that a minimum of twenty-four hours notice is given to the Cobb County Water System Warehouse prior to a truckload delivery. Any cost incurred by the purchaser for emergency procurement of men and/or equipment for the purpose of off-loading or demurrage charges for overnight parking resulting from failure to issue said notification will be deducted from the bidder's invoice prior to payment. Casual shipments will be received between 8:00 AM and 4:00 PM, Monday through Friday (except holidays).

9. Default:

The award of contract(s) resulting from the submittal of bids under this invitation may be based in part on delivery factors. Accordingly, should a successful bidder fail to perform within the time limits stated in his bid, he will be declared in default of said contract, and the bidder may lose entire contract for bid period.

10. Drop Shipment:

Drop shipments from the manufacturer or large orders from vendors will be **PALLETIZED AND BANDED, CRATED**, unless otherwise stated by the Warehouse Supervisor.

11. American Manufacture:

ANY FOREIGN MANUFACTURED ITEMS BID MUST BE SPECIFICALLY IDENTIFIED AS SUCH.
Sample is due if not American Manufactured.

12. Distribution Center:

The supplier shall note the location from which material is to be shipped.

13. Material Manufacturer:

The supplier shall note the manufacturer and type of each item bid on the bid sheet.

II. GENERAL MATERIAL SPECIFICATIONS

1. PIPE MATERIALS:

A. Classifications:

All water pipe greater than 1-1/2", but less than 4" in diameter shall be DIP, PVC, brass or galvanized steel as specified herein. Water pipes 2" in diameter and smaller shall be copper.

NOTE: ALL DISJ AND DIMJ PIPE AND CASING MUST BE STACKED ON 4 X 4 LUMBER.

B. Ductile Iron Pipe (DIP):

1. Ductile iron pipe shall be designed in accordance with AWWA C150/ANSI A21.50 (latest revision) thickness design of Ductile Iron Pipe, using 60,000 psi tensile strength, 42,000 psi yield strength and 10 per cent elongation.

Ductile iron pipe shall be manufactured in accordance with AWWA C-151/ANSI A21.51 (latest revision) Ductile Iron Pipe Centrifugal Cast in Metal Molds or Sand Lined Molds for water or other liquids, and shall be made of ductile iron having a minimum tensile strength of 60,000 psi, a minimum yield strength of 42,000 psi and 10 per cent elongation.

Ductile iron pipe shall be pressure rated at 350 psi with minimum wall thickness of .25 inches for all pipe sizes. Ductile Iron pipe shall be in either 18' or 20' lengths. **Ductile Iron pipe shall be unit priced per stick in the default lengths of 18' or 20'. Bid's priced per foot will not be accepted.**

C. Galvanized Steel Pipe:

All galvanized steel pipe shall meet the requirements of ASTM Standard Specification for Welded Seamless Steel Pipe, Serial Designation A53 (latest revision). Galvanized steel pipe shall be marked for identification. The fittings shall be beaded of galvanized cast or malleable iron, standard weight. All pipe and fittings shall have sound, well-fitting threads. All pieces, which have defective threads, shall be rejected.

D. Copper Pipe:

All copper pipe shall conform to Federal Specification WW-T-799, Type "K" as a minimum. The lengths standard at 20 foot with normally plain ends.

E. Copper Tubing:

All copper tubing shall conform to ASTM Designation B88 for the Type "K" Soft Temper and AWWA 7S-CR Type "K" and may be used in 20-foot straight lengths, or 60 and 100 Foot coils.

F. Brass Pipe:

All brass shall be extra heavy cast with threaded fittings (domestic) with a pressure rating of 250 psi. The lengths standard at 12 foot with normally threaded ends. This shall be in accordance with ANSI standards B16.15, B2.1 (pipe threads) and Federal specifications WW-P-460.

2. **JOINTS & FITTINGS.**

A. Fittings:

1. Fittings for pipe less than 4" in diameter shall be of the same material as the pipe and shall meet all requirements of the standard specifications of the subject pipe.
2. Fittings for pipe 4" in diameter and above shall be ductile iron or cast iron and shall be short body standard design for 350 psi with mechanical joints in accordance with AWWA C153/ANSI A21.53 (latest revision). Fittings shall be cement lined in accordance with AWWA C104 and exterior coated with a petroleum asphaltic coating in accordance with AWWA C110.
3. All fittings shall have a pressure rating of 350 psi or greater.

B. D.I.P. Joints:

1. Mechanical Joints:
 - a. Mechanical joints shall consist of a bolt joint of the stuffing box type as detailed in ANSI A21.53 (latest revision) and described in AWWA C111/ANSI A21.11 (latest revision)-Rubber Gasket Joints for Ductile Iron and Gray Iron Pressure Pipe and Fittings.
 - b. Gaskets, bolts and nuts shall conform to AWWA C111/ANSI A21.11 (latest revision) and shall be of neoprene or rubber of such quality that they will not be damaged by the liquid with which they will come into contact. **GLANDS SHALL BE OF HIGH STRENGTH DUCTILE IRON.**
2. Push-On Joints

Push-On joints shall conform to AWWA C111/ANSI A21.11 (latest revision)-Rubber Gaskets Joints for Ductile Iron and Gray Iron Pressure Pipe and Fittings.

Details of the joint design shall be in accordance with the manufacturers standard practice such as "Fastite", "Bell-Tite", "Tyton", or equal joints.

3. Threaded Flange Joints

These joints shall be in accordance with AWWA C115/ANSI A21.15. All flanges shall have a tapered pipe thread (NPT) in accordance with ANSI B2.1, Pipe Threads (except dryseal), adapted to DIP outside diameters.

3. VALVES.

A. Gate Valves:

1. All gate valves (MJ & FLG) will open counter clockwise.
2. All flanged OS&Y Valves, 4" and larger in size shall be of iron body with exterior and interior conforming to AWWA/ANSI C550 and ASTM D1763 Standards. Valves will be of Resilient Wedge Seat Type with hand wheels that open counter clockwise.

Valves will have 200 PSIG maximum working pressure and 400 PSIG test pressure. All OS&Y Flanged Valves will be either Mueller Super-Seal A-2473-6 or equal.

3. All gate valves, 3 inches and larger in size shall be of iron body, bronze mounted, resilient wedge, parallel seat, with non-rising bronze stems and shall conform to AWWA C509. Valves shall be equipped with 2-inch square operating nuts.
4. All 3 inch or smaller gate valves shall be of the best quality bronze body, bronze mounted, solid wedge type, non-rising stem and shall be rated for 200 psi cold water working pressure.
5. All gate valves shall be either M&H Fig. #4067-01 or Mueller #A2360-20 or equal.

B. Butterfly Valves:

1. Butterfly valves shall conform to the requirements specified for rubber seated butterfly valves in AWWA C504, (latest revision).
2. All butterfly valves shall be Class 250 with mechanical joint ends and shall open counter clock-wise. All valve operators shall include a AWWA operating nut and shall be gasketed and grease packed for submerged operation at water pressure to 10 psig.

3. All valve bodies shall be cast iron with cast iron valve discs and shall be rated at 250 psi working pressure.

C. Small Orifice Air Release Valves

1. The small orifice air release valve bodies shall be of cast iron. The valves shall be GA Industries Model #945 or approved equal.
2. The air release valve shall maintain closed position to prevent the loss of water by the positive seating of a non-corrosive float against a smoothly ground contact surface of the exhaust orifice. It shall automatically provide for the escape of air to atmosphere without the loss of water when the special ball float moves away from the orifice seat.

D. Check valves:

1. Check valves for sewage service shall be of the swing type. Valve disc shall swing entirely clear of patch of flow when in the open position. All internal parts shall be readily accessible and easily replaced in the field.

Check valves shall be iron body, bronze-mounted valve conforming to AWWA C508. Valves shall have 125-pound cast iron body, bolted and gasketed cover, stainless steel or brass hinge pin, renewable bronze seat and disc, outside lever and adjustable weight, and 125-pound flanged ends per ANSI B16.1. The lever arm and weights shall be designed to meet the project requirements. Cast iron for body and cap shall conform to ASTM A126; grade B. Bronze for disc and seat shall conform to ASTM B62

E. Valve Boxes and Covers:

1. The valve boxes shall of cast iron materials such as Tyler Foundry Model 562-S, Series 6850, two-piece box 5-1/2" shaft type, extension 26 inches to 35 inches with screw type operation. The valve box lid will have the word "WATER" cast in raised letters. Complete Valves Boxes will be shipped fully assemble from the factory.

F. Corporation Stops:

2. Corporation Stops shall be of bronze construction and shall have standard thread in conformance with AWWA C800. Corporation stops shall be Hayes 4400 or approved equal. **ALL CORPORATION STOPS WILL BE OF THE BALL TYPE OPERATION. 1-1/2" AND 2" ORPORATION STOPS WILL HAVE THE SAME OUTLET AND INLET SIZE.**

G. Curb Stops:

1. Curb stops shall be of bronze construction with tee handle operator. Curb stops shall be Hayes 4302 or equal. **ALL CURB STOPS ARE TO BE BALL VALVE TYPE WITH TAMPER-PROOF KEYS AND LYING LENGTH OF 4½".**

H. Straight Ball Meter Valves:

1. All Meter valves will be ball type operation with tee handle operator. Valves will be Ford BF13-666, 777W and BF43- 666,777WG (CTS).

4. METER BOXES AND LIDS.

A: The lid shall be of cast iron and shall be designed to rest firmly on the seat inside the box and overhang to prevent dirt from falling into the seat. The lid shall be easily removed and replaced. Lid will be marked w/CCWS

B. Meter Boxes (Plastic):

1. Load inch surface, unburied)
ASTM Test D-638 (latest revision) 15,500 lbs.
2. Impact Strength (falling dart):
ASTM Test D-256 (latest revision) 100 ft-lb's. /in.
3. Shore D Hardness:
ASTM Test D-1706 (latest revision) 63
4. Deflection Temp. @ 264 PSI:
ASTM Test D-648 159 degrees F.

Body: Plastic Meter Boxes: (Rectangular For 3/4" and 1" Domestic Meter)

1. The body shall be Carson model #1419-12 of approved equal. The body shall be manufactured from High Density Polyethylene Utilizing the Union Carbide Structural Foam Process. The body Should not have any wall thickness of less than 1/4". The use Of polypropylene in the manufacturing process is prohibited.

The rectangular dimension required on the main body is as follows:
Top Opening (outside dimension) 11-3/4" X 17"
Bottom Opening (inside dimension) 14-1/8" X 19-1/4"
Depth 12"

5. TAPPING SADDLES and TAPPING SLEEVES.

A. Double Strap Saddles:

1. Saddles shall be either Smith Blair 313 Double Strap or approved equal.

B. Saddle Sizes:

1. 2½" saddle shall fit pipe with O.D. range of 2.75" to 2.88" and shall have cc threads.
2. 6" saddle shall fit pipe with O.D. range of 6.90" to 7.45". Tap shall be ¾" through 2" CC and IPS threads.
3. 8" saddle shall fit pipe with O.D. range of 8.54" to 9.63" and tap shall be ¾" through 2" CC and IPS threads.
4. 10" saddle shall fit pipe with O.D. range of 11.10" to 11.20" and tap shall be ¾" through 2" CC and IPS threads.

C. Tapping Sleeves:

1. Tapping sleeves shall be class 250-pipe 200 psi working pressure. Sleeves shall be either M&H Fig #1174-01 or Mueller #h615 or approved equal. All Sleeves Shall be Ductile Iron.

6. REPAIR COUPLINGS.

A. Bolted Couplings (only):

Couplings for ¾-inch pipe shall be only Dresser, style 38 or style 40. Other sizes may be either Dresser Style 38 and 40 or Smith-Blair 411 and 412.

B. Transition Couplings shall be Smith-Blair, style #441 or approved equal.

C. Repair Clamps:

Full circle, wrap around style clamps shall be Smith-Blair 226 or approved equal. Clamps shall be specified for pipe according to the following schedule:

<u>Normal Pipe Size</u>	<u>O.D. Range</u>
-------------------------	-------------------

2½" Galvanized	2.70" - 3.00"
3" Galvanized	3.46" - 3.70"
4" Cast Iron	4.74" - 5.14"
4" A/C Pipe	5.22" - 5.62"
4" Plastic Pipe	4.45" - 4.73"
6" Cast Iron	6.84" - 7.24"
6" A/C Pipe	7.05" - 7.34"
6" Plastic Pipe	6.56" - 6.96"
8" Cast Iron	8.99" - 9.39"
8" A/C Pipe	9.27" - 9.67"
8" Plastic Pipe	8.54" - 8.94"
10" Cast Iron	11.04" - 11.44"
10" A/C Pipe	11.75" - 12.15"
10" Plastic Pipe	11.04" - 11.44"
12" Cast Iron	13.10" - 13.50"
12" A/C Pipe	14.00" - 14.40"

Super Range repair clamps shall be Smith Blair 227 clamps for Class 150 and 200 asbestos cement mains and cast iron mains or approved equal.

D. Bell Joint Clamps:

Bell joint clamps shall be Dresser Style 60 or approved equal.

7. ADAPTERS & UNIONS.

Copper female iron pipe adapters shall be Hayes 5600 CF or approved equal. Copper by copper unions shall be Hayes 5615 CF or F/C or approved equal. Copper by male iron pipe adapters shall be Hayes 5606 or approved equal.

8. STEEL CASING PIPE.

Steel casing pipe shall have minimum yield strength of 35,000-lbs. psi and shall conform to requirements of ASTM A139. It shall be exterior and interior coated with a coal tar coating. Minimum wall thickness shall be as follows:

Nominal Diameter (inches)	Nominal Thickness (inches)
Under 14	0.250
16	0.375
18	0.375
20	0.375
24	0.375

9. SDR-35 POLYVINYL CHLORIDE PIPE.

- A. Polyvinyl Chloride (PVC) Pipe for Gravity Sewers: Class-rated PVC pipe and accessories where shown or as specified on the Drawings, shall meet extra strength minimum of SDR-35 of the requirements of ASTM D 3034-73 FOR 4" through 15" and ASTM F 679 for 18" through 27". Pipe shall be furnished in Industry standard lengths. Pipe and accessories shall bear the NSF mark Indicating its class, pipe size, manufacturer's name AWWA and/or ASTM Specification number, working pressure and production code. Pipe and Couplings shall be made from Class 124540-A or Class 12454-B virgin Compound, as designed in ASTM D1748.
- B. Joints: the PVC joints for pipe four inches in diameter and greater shall be of the push-on type. The push-on joint shall be a single rubber gasket joint designed to be assembled by the positioning of a continuous, molded rubber ring gasket in an annular recess in the pipe of fitting socket and the forcing of the plain end of the entering pipe into the socket. The gasket displacement as the joint is assembled. The rubber ring joint shall be designed for thermal expansion or contraction with total temperature change of least 75d F in each joint per length of pipe. The bell shall consist of an integral wall section with a solid cross- section elastomeric ring, which shall meet requirements of ASTM D2869. The thickened bell section shall be designed to be at least as strong as the pipe wall.
- C. Pipe shall be joined by gasketed bell-and-spigot joints.

10. SDR-21 POLYVINYL CHLORIDE PIPE BELL AND GASKET.

- A. Pipe shall be manufactured of type 1, grade 1, 2000PSI design stress compound designated as PVC 1120 and will conform to ASTM D-1784 compound specifications. Pipe will have a maximum hydrostatic working pressure of 200 PSI (SDR-21). It shall bear the NSF seal and shall meet the requirements of CS-256 and ASTM D-2241. Rubber ring will conform to ASTM F-477.

11. HIGH DENSITY POLYETHYLENE PE 3408 WATER SERVICE PIPES.

- A. Pipe will be SDR-7, 200PSI, meet AWWA standard C-901 and ASTM D- 2239.

12. MANHOLE RING & COVERS.

- A. Ring and Covers shall meet ASTM A-48, Class 30 Specifications, Load rating shall be Heavy Duty. Casting designated as Heavy Duty is designed for 25,000 lbs. proof load as outlined under Federal Specifications RR-F-621 paragraph 4.5.1. Vulcan Foundry V-2480-1 (Previous Pattern VM-3 MOD Watertight) and V-1480-1 (previous Pattern VM-3). Covers shall have NON- penetrating Pick Holes. All lids will be marked **COBB COUNTY, GEORGIA.**

- B. SEWER CLEANOUT C/I RING AND COVER. RMC-15-H Ring and cover shall meet ASTM A48 30C Material Specifications. Ring dimensions: Height – 3 5/16”, Overall – 17 1/2”, Ring opening – 11 3/8, Weight 9 pounds. Cover dimensions. Skirt diameter – 11 1/2”, skirt height 1 5/16”, Lifter bar length – 2 1/2”, Lifter bar material – Stainless steel 1/8” diameter, Weight – 18 pounds.

13. FERNCO COUPLINGS.

- A. All Couplings shall meet the following ASTM Standards. C-425, C-443, F- 477, C-564, D-1869, and C-1173.

14. METER COUPLING.

- A. This specification covers 3/4" by 2.5" long Meter Couplings for full 3/4" meters. The meter coupling shall conform to AWWA Standard C700, latest revision, regarding thread types And diameters. All cast components shall be certified waterworks Red brass meeting the lasted revision of AWWA Standard C800, ASTM B62. The alloy described by this Standard is 85% copper And 5% each of tin and zinc (85-5-5).
- B. The coupling shall have an external cast surface; an external Machined surface is not permitted. The waterway diameter shall Be 3/4" and the main body outside diameter shall be 1-1/8". Raised, octagonal wrench flats shall be centered longitudinally On the coupling body, shall be 2" long and shall measure 1-1/8" Diametrically from flat to flat. The meter gasket sealing surface shall be approximately .187" wide and the flanged portion of this surface shall be 9/64" thick. The other coupling end shall be 3/4" NPT, Male Iron Pipe.
- C. The meter swivel nut shall be attached to the coupling body by a phosphor bronze snap ring and shall rotate freely without binding. The nut shall be drilled for a seal wire.
- D. Each coupling shall be watertight and individually tested for leaks. Batch testing is not allowed. They shall be shipped well boxed to help prevent damage during shipment and handling. All couplings shall be well designed, have good appearance and shall be entirely suitable for the intended purpose.

APPENDIX "A"

COMMODITY CLASSIFICATION GROUPING LIST

CODE DESCRIPTION

- 1 Brass Fittings
- 1a CC Bushings % Hose Adapter
- 2 Full Circle Clamps
- 3 Dresser Couplings
- 3a-3b-3c Hymax, Maxistep, and Hydro Couplings
- 4 Transition Couplings
- 5 Sewer Fittings
- 6 M.J. Fittings
- 7 Flanged Fittings
- 8 Foster Adapters
- 8a Meg-a Lugs
- 8b Gradeloks
- 9 Ductile Pipe
- 10 Sewer Pipe
- 11 Orangeburg Poly Pipe
- 12 CI 200 PVC Pipe
- 13 Manhole Rings and Covers
- 14 Valve Boxes Complete, Lids, Tops, and extensions
- 14a Trench Adapters
- 15 Copper Pipe, Type "K"
- 16 Double and Triple Strap Saddles
- 17 M.J. Tapping Sleeves
- 18 Valves, Tapping
- 19 Valves, M.J. Gate
- 20 Valves, Flg. X Flg., w/Hand Wheel
- 21 Valves, Flg. X Flg., OS&Y
- 22 Valves, Flg. X Flg., Check
- 23 Valves, M.J. Butterfly
- 24 Valves, Bronze Gate w/Handwheel
- 25 Transition Gaskets (M.J. Rubber)
- 27 Valves, Air Release
- 28 Meter Resetters
- 29 Brass Curb and Corp Stops
- 30 Brass Unions, MIP's and FIP's Adapters
- 31 Carson Plastic Meter Boxes and Ext.
- 32 Cast Iron Meter Boxes
- 33 CDR Boxes (NO SUBS)
- 34 Bell Joint Leak Clamps
- 35 M.J. Anchor Couplings
- 36 Flange Adapters Couplings
- 37 Uniflange Couplings
- 38 Steel Casing and Sch-40 Steel Pipe

- 39 Meter Locks
- 40 Meter Washers
- 41 Meter Connectors 3/4" and 1"
- 42 Flange Meter Connectors
- 43 Fabricated Pipe and Fittings
- 45 Standpipes, Galv. Pipe, and T-bolts w/nuts.

The undersigned understands and agrees also to comply with and be bound by entire Bid Manual.
The undersigned acknowledges receipt of Addenda numbers:

#_____, Dated ___ / ___ / ___, Initials:

Bidder:

Signed:

Title:

Address:

Type of Business Entity:

_____ (Corporation, sole proprietorship, partnership, p.c.)

_____ [SEAL]
President of the Corporation

Secretary of the Corporation

Corporation is organized under the Laws of the State of

Bid dated this _____ day of _____ 2009

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
			ALL PARTS MUST BE DOMESTIC					
1	65917-I100	1	BEND, BRASS DOMESTIC	3/4" X 90 d	150	EA		
2	65917-I101	1	BEND, BRASS DOMESTIC	1" X 90 d	75	EA		
3	65917-I102	1	BEND, BRASS DOMESTIC	1 1/2" X 90 d	75	EA		
4	65917-I103	1	BEND, BRASS DOMESTIC	2" X 90 d	200	EA		
5	65917-I110	1	BEND, BRASS DOMESTIC	2 1/2" X 90 d	25	EA		
6	65924-I050	1	BUSHING, BRASS HEX DOMESTIC	1" X 3/4"	150	EA		
7	65924-I051	1	BUSHING, BRASS HEX DOMESTIC	1 1/2 " X 1"	25	EA		
8	65924-I052	1	BUSHING, BRASS HEX DOMESTIC	2" X 1 1/2"	15	EA		
9	65924-I053	1	BUSHING, BRASS HEX DOMESTIC	2 1/2" X 2"	20	EA		
10	65924-I055	1	BUSHING, BRASS HEX DOMESTIC	3" X 2-1/2"	15	EA		
11	65927-I011	1	CAP, BRASS DOMESTIC	3/4"	30	EA		
12	65927-I010	1	CAP, BRASS DOMESTIC	1"	70	EA		
13	65822-I010	1	NIPPLES, BRASS DOMESTIC	3/4" X CL	240	EA		
14	65822-I012	1	NIPPLES, BRASS DOMESTIC	3/4" X 2"	130	EA		
15	65822-I016	1	NIPPLES, BRASS DOMESTIC	3/4" X 4"	3500	EA		
16	65822-I030	1	NIPPLES, BRASS DOMESTIC	1" X CL	325	EA		
17	65822-I032	1	NIPPLES, BRASS DOMESTIC	1" X 2"	125	EA		
18	65822-I036	1	NIPPLES, BRASS DOMESTIC	1" X 4"	325	EA		
19	65822-I050	1	NIPPLES, BRASS DOMESTIC	1 1/2" X CL	10	EA		
20	65822-I051	1	NIPPLES, BRASS DOMESTIC	1 1/2" X 2"	60	EA		
21	65822-I055	1	NIPPLES, BRASS DOMESTIC	1 1/2" X 4"	15	EA		
22	65822-I059	1	NIPPLES, BRASS DOMESTIC	1 1/2" X 6"	200	EA		
23	65822-I061	1	NIPPLES, BRASS DOMESTIC	1 1/2" X 8"	100	EA		
24	65822-I070	1	NIPPLES, BRASS DOMESTIC	2" X CL	15	EA		
25	65822-I071	1	NIPPLES, BRASS DOMESTIC	2" X 2 1/2"	160	EA		
26	65822-I074	1	NIPPLES, BRASS DOMESTIC	2" X 4"	50	EA		
27	65822-I078	1	NIPPLES, BRASS DOMESTIC	2" X 6"	270	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
28	65822-I079	1	NIPPLES, BRASS DOMESTIC	2" X 7"	20	EA		
29	65822-I080	1	NIPPLES, BRASS DOMESTIC	2" X 8"	150	EA		
30	65822-I082	1	NIPPLES, BRASS DOMESTIC	2" X 10"	100	EA		
31	65822-I170	1	NIPPLES, BRASS DOMESTIC	2" X 20"	12	EA		
32	65822-I171	1	NIPPLES, BRASS DOMESTIC	2" X 24"	30	EA		
33	65822-I085	1	NIPPLES, BRASS DOMESTIC	2 1/2" X CL	20	EA		
34	65822-I086	1	NIPPLES, BRASS DOMESTIC	2 1/2" X 4"	50	EA		
35	65822-I087	1	NIPPLES, BRASS DOMESTIC	2 1/2" X 6"	50	EA		
36	65822-I088	1	NIPPLES, BRASS DOMESTIC	2 1/2" X 8"	70	EA		
37	65822-I003	1	NIPPLES, BRASS DOMESTIC	3/4" X 6"	300	EA		
38	65822-I004	1	NIPPLES, BRASS DOMESTIC	1" X 6"	300	EA		
39	65965-I056	1	REDUCER, BRASS THREADED BELL DOMESTIC	1" X 3/4"	200	EA		
40	65965-I057	1	REDUCER, BRASS THREADED BELL DOMESTIC	2" X 1"	15	EA		
41	65965-I058	1	REDUCER, BRASS THREADED BELL DOMESTIC	2" X 1-1/2"	20	EA		
42	65954-I031	1	PLUG, BRASS CORED	3/4"	50	EA		
43	65954-I030	1	PLUG, BRASS CORED	1"	80	EA		
44	65973-I150	1	SLEEVE, BRASS DOMESTIC	3/4"	250	EA		
45	65973-I151	1	SLEEVE, BRASS DOMESTIC	1"	50	EA		
46	65973-I152	1	SLEEVE, BRASS DOMESTIC	1 1/2"	40	EA		
47	65973-I153	1	SLEEVE, BRASS DOMESTIC	2"	60	EA		
48	65973-I154	1	SLEEVE, BRASS DOMESTIC	2 1/2"	30	EA		
49	65984-I030	1	TEE, BRASS DOMESTIC	3/4"	70	EA		
50	65984-I031	1	TEE, BRASS DOMESTIC	1"	35	EA		
51	65984-I032	1	TEE, BRASS DOMESTIC	1 1/2"	85	EA		
52	65984-I033	1	TEE, BRASS DOMESTIC	2"	130	EA		
53	65984-I034	1	TEE, BRASS REDUCING DOMESTIC	3/4" X 3/4" X 1"	250	EA		
			(BULLHEAD)					

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
54	65924-I001	1a	BUSHING, CC THREAD BRASS BBAA-43 (FORD)	3/4" X 1"	40	EA		
55	65924-I002	1a	BUSHING, CC THREAD BRASS BBAA-64 (FORD)	1 1/2" X 1"	5	EA		
56	67052-I016	2	CLAMP, FULL CIRCLE 3 BOLT	1 1/2" X 12 1/4"	15	EA		
57	67052-I017	2	CLAMP, FULL CIRCLE 3 BOLT	2" X 12 1/4"	30	EA		
58	67052-I018	2	CLAMP, FULL CIRCLE 3 BOLT	2 1/2" X 12 1/2"	60	EA		
59	67052-I028	2	CLAMP, FULL CIRCLE C/I 3 BOLT	8" X 7 1/2"	10	EA		
60	67052-I020	2	CLAMP, FULL CIRCLE A/C 3 BOLT	4" X 15"	6	EA		
61	67052-I023	2	CLAMP, FULL CIRCLE A/C 3 BOLT	6" X 7 1/2"	25	EA		
62	67052-I029	2	CLAMP, FULL CIRCLE A/C 3 BOLT	8" X 7 1/2"	12	EA		
63	67052-I025	2	CLAMP, FULL CIRCLE A/C 4 BOLT	6" X 15"	20	EA		
64	67052-I040	2	CLAMP, FULL CIRCLE A/C, LUGS DI	14" X 15"	1	EA		
65	67052-I044	2	CLAMP, FULL CIRCLE A/C, LUGS DI	16" X 30"	1	EA		
66	67052-I046	2	CLAMP, FULL CIRCLE A/C, LUGS DI	18" X 30"	1	EA		
67	67052-I048	2	CLAMP, FULL CIRCLE A/C, LUGS DI	20" X 20"	1	EA		
68	67052-I049	2	CLAMP, FULL CIRCLE A/C, LUGS DI	20" X 30"	1	EA		
69	67052-I032	2	CLAMP, FULL CIRCLE A/C 4 BOLT	8" X 15"	10	EA		
70	67052-I019	2	CLAMP, FULL CIRCLE C/I 3 BOLT	4" X 15"	5	EA		
71	67052-I022	2	CLAMP, FULL CIRCLE C/I 3 BOLT	6" X 7 1/2"	20	EA		
72	67052-I024	2	CLAMP, FULL CIRCLE C/I 4 BOLT	6" X 15"	15	EA		
73	67052-I030	2	CLAMP, FULL CIRCLE C/I 4 BOLT	8" X 15"	15	EA		
74	67052-I039	2	CLAMP, FULL CIRCLE C/I, LUGS DI	14" X 15"	1	EA		
75	67052-I042	2	CLAMP, FULL CIRCLE C/I, LUGS DI	16" X 24"	1	EA		
76	67052-I047	2	CLAMP, FULL CIRCLE C/I, LUGS DI	20" X 20"	1	EA		
77	67052-I053	2	CLAMP, FULL CIRCLE C/I, LUGS DI	18" X 20"	1	EA		
78	67052-I037	2	CLAMP, FULL CIRCLE PVC 10 BOLT	12" X 10"	2	EA		
79	67052-I021	2	CLAMP, FULL CIRCLE PVC 3 BOLT	4" X 15"	10	EA		
80	67052-I026	2	CLAMP, FULL CIRCLE PVC 4 BOLT	6" X 15"	10	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
81	67052-I036	2	CLAMP, FULL CIR. S/R (11.10-11.90) 10 BOLT	10" X 15"	4	EA		
82	67052-I054	2	CLAMP, FULL CIR. S/R (13.20-1400) 10 BLT	12" X 15"	2	EA		
83	67052-I027	2	CLAMP, FULL CIR.S/R D.B. S/S(7.20-8.00)4 BOLT	6" X 15"	3	EA		
84	67052-I031	2	CLAMP, FULL CIR.S/R D.B.-S/S(8.99-9.79)4 BOLT	8" X 15"	3	EA		
			NO SUBS FOR DRESSER/SMITH BLAIR COUPLINGS					
85	67052-I071	3	COUPLING DRESSER #38/SMITH BLAIR STYLE	3/4" X 6"	175	EA		
86	67052-I072	3	COUPLING DRESSER#40/SMITH BLAIR STYLE	3/4" X 12"	50	EA		
87	67052-I073	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	1" X 6"	75	EA		
88	67052-I074	3	COUPLING DRESSER#40/SMITH BLAIR STYLE	1" X 12"	45	EA		
89	67052-I075	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	1 1/4" X 6"	12	EA		
90	67052-I076	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	1 1/2" X 6"	65	EA		
91	67052-I077	3	COUPLING DRESSER#40/SMITH BLAIR STYLE	1 1/2" X 12"	20	EA		
92	67052-I078	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	2" X 6"	130	EA		
93	67052-I079	3	COUPLING DRESSER#40/SMITH BLAIR STYLE	2" X 12"	40	EA		
94	67052-I080	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	2 1/2" X 6"	50	EA		
95	67052-I081	3	COUPLING DRESSER#40/SMITH BLAIR STYLE	2 1/2" X 12"	120	EA		
96	67052-I082	3	COUPLING DRESSER#38/SMITH BLAIR STYLE	3" X 6"	5	EA		
97	67052-I084	3C	COUPLING MAXIFIT 4.33 - 5.03 - 5.20 - 5.75	4"	10	EA		
98	67052-I085	3C	COUPLING MAXIFIT 6.75 - 7.60	6"	90	EA		
99	67052-I086	3C	COUPLING MAXIFIT 8.59 - 9.25 - 9.05 - 9.73	8"	50	EA		
100	67052-I087	3C	COUPLING MAXIFIT 10.71 - 11.38 - 11.46 -12.12	10"	6	EA		
101	67052-I088	3C	COUPLING MAXIFIT 12.71-13.36-13.07-13.74 CL1	12"	4	EA		
102	67052-I089	3C	COUPLING MAXIFIT 12.71-13.36-13.72-14.39 CL2	12"	4	EA		
103	67052-I090	3C	COUPLING MAXIFIT 6.30 - 7.15	6"	2	EA		
			ALL PARTS MUST DOMESTIC					
104	65906-I094	5	ADAPTER BUSHING SxH1 MULTI FIT #040941 D	6" (35)X 4" (SH40)	100	EA		
105	65917-I036	5	SEWER, BENDS, PVC 22 1/2° BELL TO BELL SDR	6"	30	EA		
106	65917-I037	5	SEWER, BENDS, PVC 22 1/2° BELL-SPIGOT SDR	6"	70	EA		
107	65917-I038	5	SEWER, BENDS, PVC 45 BELL TO SPIGOT SDR	4"	35	EA		
108	65917-I039	5	SEWER, BENDS, PVC 22.5 BELL TO SPIGOT SDR	4"	35	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
109	65917-I040	5	SEWER, BENDS, PVC 45° BELL TO BELL SDR 35	6"	35	EA		
110	65917-I041	5	SEWER, BENDS, PVC 45° BELL TO SPIGOT SDR	6"	75	EA		
111	65927-I012	5	PVC CAP (SOLVENT WELD)	4"	50	EA		
112	65933-I001	5	SEWER, COUPLINGS, FERNCO CLAY TO CI/PV	4"	40	EA		
113	65933-I002	5	SEWER, COUPLINGS, FERNCO CLAY TO CI/PV	6"	100	EA		
114	65933-I003	5	SEWER, COUPLINGS, FERNCO CLAY TO CI/PV	8"	200	EA		
115	65933-I004	5	SEWER, COUPLINGS, FERNCO CLAY TO CI/PV	10"	10	EA		
116	65933-I005	5	SEWER, COUPLINGS, FERNCO CLAY TO CI/PV	12"	2	EA		
117	65944-I021	5	ECCENTRIC INCREASER SDR35 PVC B/S	6" X 4"	100	EA		
118	65954-I022	5	PLUG, PVC SDR 35 PUSH TYPE MALE	6"	250	EA		
119	65965-I026	5	SEWER, REDUCER,PVC SDR 35 BELL TO SPIGOT	6" X 4"	100	EA		
120	65965-I059	5	SEWER, REDUCER,PVC SDR 35 BELL TO BELL	6" X 4"	10	EA		
121	65973-I044	5	SEWER, SLEEVE RUBBER COUPL. C/I TO C/I	4"	200	EA		
122	65973-I045	5	SEWER, SLEEVE RUBBER COUPL. C/I TO C/I	6"	200	EA		
123	65973-I046	5	SEWER, SLEEVE RUBBER COUPL. C/I TO C/I	8"	75	EA		
124	65973-I047	5	SEWER, SLEEVES PVC SDR 35, BELL TO BELL	6"	100	EA		
125	65973-I086	5	SEWER, SADDLE, PVC WYE	8" X 6"	2	EA		
126	65973-I087	5	SEWER, FLEX TAP SADDLE (RUBBER)	6"-8"-10"-12" X 6"	25	EA		
127	65994-I001	5	SEWER, T-WYES, PVC F/SDR 35 BELL TO BELL	6" X 6"	200	EA		
128	65994-I002	5	SEWER, T-WYES, PVC F/SDR 35 BELL TO BELL	8" X 6"	120	EA		
129	65994-I003	5	SEWER, T-WYES PVC F/SDR 35 BELL TO BELL	10" X 6"	5	EA		
130	65994-I004	5	SEWER, T-WYES PVC F/SDR 35 BELL TO BELL	8' x 8" x 8"	5	EA		
131	65906-I095	5	SEWER CLEAN OUT ADAPTOR SPIGOT SDR-35	6"	40	EA		
132	65906-I096	5	SEWER CLEAN OUT ADAPTOR HUB SDR-35	6"	40	EA		
133	65954-I055	5	SEWER CLEAN OUT PLUG RAISED	6"	40	EA		
134	65954-I056	5	SEWER CLEAN OUT PLUG RECESSED	6"	40	EA		
135	65917-I122	6	BEND, DIMJ	3" X 90 d	18	EA		
136	65917-I003	6	BEND, DIMJ	6" X 45 d	8	EA		
137	65917-I006	6	BEND, DIMJ	4" X 90 d	6	EA		
138	65917-I007	6	BEND, DIMJ	6" X 11 1/4 d	4	EA		

**BID FORM
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SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
139	65917-I008	6	BEND, DIMJ	6" X 22 1/2 d	6	EA		
140	65917-I009	6	BEND, DIMJ	6" X 90 d	20	EA		
141	65917-I042	6	BEND, DIMJ	8" X 11 1/4 d	10	EA		
142	65917-I043	6	BEND, DIMJ	8" X 22 1/2 d	15	EA		
143	65917-I044	6	BEND, DIMJ	8" X 45 d	40	EA		
144	65917-I045	6	BEND, DIMJ	8" X 90 d	40	EA		
145	65917-I047	6	BEND, DIMJ	10" X 11 1/4 d	1	EA		
146	65917-I048	6	BEND, DIMJ	10" X 22 1/2 d	1	EA		
147	65917-I049	6	BEND, DIMJ	10" X 45 d	4	EA		
148	65917-I050	6	BEND, DIMJ	10" X 90 d	1	EA		
149	65917-I051	6	BEND, DIMJ	12" X 11 1/4 d	1	EA		
150	65917-I052	6	BEND, DIMJ	12" X 22 1/2 d	1	EA		
151	65917-I053	6	BEND, DIMJ	12" X 45 d	1	EA		
152	65917-I054	6	BEND, DIMJ	12" X 90 d	1	EA		
153	65917-I059	6	BEND, DIMJ WITH ACCESSORIES	16" X 11-1/4d	1	EA		
154	65917-I060	6	BEND, DIMJ WITH ACCESSORIES	16" X 22-1/2d	1	EA		
155	65917-I061	6	BEND, DIMJ WITH ACCESSORIES	16" X 45 d	1	EA		
156	65917-I067	6	BEND, DIMJ WITH ACCESSORIES	20" X 11 1/4 d	1	EA		
157	65917-I068	6	BEND, DIMJ WITH ACCESSORIES	20" X 22 1/2 d	1	EA		
158	65917-I069	6	BEND, DIMJ WITH ACCESSORIES	20" X 45 d	1	EA		
159	65944-I005	6	GLAND, DIMJ RETAINER	6"	2	EA		
160	65944-I006	6	GLAND, DIMJ RETAINER	8"	2	EA		
161	65944-I007	6	GLAND, DIMJ RETAINER	10"	1	EA		
162	65944-I008	6	GLAND, DIMJ RETAINER	12"	1	EA		
163	65944-I009	6	GLAND, DIMJ RETAINER	14"	1	EA		
164	65944-I010	6	GLAND, DIMJ RETAINER	16"	1	EA		
165	65944-I014	6	GLAND, PACKAGE MJ, D/I F/FITTINGS	3"	40	EA		
166	65944-I015	6	GLAND, PACKAGE MJ, D/I F/FITTINGS	4"	40	EA		
167	65944-I016	6	GLAND, PACKAGE, MJ, D/I F/FITTINGS	6"	350	EA		
168	65944-I017	6	GLAND, PACKAGE, MJ, D/I F/FITTINGS	8"	350	EA		
169	65944-I018	6	GLAND, PACKAGE, MJ, D/I F/FITTINGS	10"	15	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
170	65944-I019	6	GLAND, PACKAGE, MJ, D/I F/FITTINGS	12"	15	EA		
171	65944-I020	6	GLAND, SWIVEL, D/I, TYLER 5-198G	6"	3	EA		
172	65954-I016	6	PLUG, DIMJ TAPPED	4" X 2 1/2"	2	EA		
173	65954-I008	6	PLUG, DIMJ SOLID	4"	1	EA		
174	65954-I009	6	PLUG, DIMJ SOLID	6"	10	EA		
175	65954-I010	6	PLUG, DIMJ SOLID	8"	10	EA		
176	65954-I011	6	PLUG, DIMJ SOLID	10"	2	EA		
177	65954-I012	6	PLUG, DIMJ SOLID	12"	2	EA		
178	65954-I013	6	PLUG, DIMJ SOLID	14"	1	EA		
179	65954-I014	6	PLUG, DIMJ SOLID	16"	1	EA		
180	65954-I015	6	PLUG, DIMJ SOLID	20"	1	EA		
181	65954-I017	6	PLUG, DIMJ TAPPED	6" X 2 1/2" IPS	1	EA		
182	65954-I018	6	PLUG, DIMJ TAPPED	6" X 3" IPS	1	EA		
183	65954-I019	6	PLUG, DIMJ TAPPED	6" X 4" IPS	1	EA		
184	65954-I020	6	PLUG, DIMJ TAPPED	8" X 2 1/2" IPS	1	EA		
185	65954-I021	6	PLUG, DIMJ TAPPED	10" X 2 1/2" IPS	1	EA		
186	65965-I020	6	REDUCER, DIMJ	6" X 3"	15	EA		
187	65965-I027	6	REDUCER, DIMJ	6" X 4"	6	EA		
188	65965-I021	6	REDUCER, DIMJ	8" X 3"	2	EA		
189	65965-I028	6	REDUCER, DIMJ	8" X 4"	1	EA		
190	65965-I029	6	REDUCER, DIMJ	8" X 6"	15	EA		
191	65965-I030	6	REDUCER, DIMJ	10" X 6"	1	EA		
192	65965-I031	6	REDUCER, DIMJ	10" X 8"	1	EA		
193	65965-I032	6	REDUCER, DIMJ	12" X 6"	1	EA		
194	65965-I033	6	REDUCER, DIMJ	12" X 8"	1	EA		
195	65965-I034	6	REDUCER, DIMJ	12" X 10"	1	EA		
196	65965-I045	6	REDUCER, DIMJ W/ ACCESSORIES	20" X 10"	1	EA		
197	65944-I001	6	GLAND, DIMJ SPLIT	6"	1	EA		
198	65944-I002	6	GLAND, DIMJ SPLIT	8"	1	EA		
199	65944-I003	6	GLAND, DIMJ SPLIT	10"	1	EA		
200	65944-I004	6	GLAND, DIMJ SPLIT	12"	1	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
201	65973-I096	6	SLEEVE, DIMJ SOLID	3" X 7 1/2"	25	EA		
202	65973-I097	6	SLEEVE, DIMJ SOLID	4" X 7 1/2"	12	EA		
203	65973-I098	6	SLEEVE, DIMJ SOLID	6" X 7 1/2"	25	EA		
204	65973-I099	6	SLEEVE, DIMJ SOLID	6" X 12"	90	EA		
205	65973-I101	6	SLEEVE, DIMJ SOLID	8" X 7 1/2"	110	EA		
206	65973-I102	6	SLEEVE, DIMJ SOLID	8" X 12"	10	EA		
207	65973-I105	6	SLEEVE, DIMJ SOLID	10" X 12"	4	EA		
208	65973-I107	6	SLEEVE, DIMJ SOLID	12" X 12"	2	EA		
209	65973-I108	6	SLEEVE, DIMJ SOLID WITH ACCESSORIES	14" X 15"	1	EA		
210	65973-I109	6	SLEEVE, DIMJ SOLID WITH ACCESSORIES	16" X 15"	1	EA		
211	65973-I110	6	SLEEVE, DIMJ SOLID WITH ACCESSORIES	18" X 15"	1	EA		
212	65973-I111	6	SLEEVE, DIMJ SOLID WITH ACCESSORIES	20" X 15"	1	EA		
213	65985-I001	6	TEE, DIMJ	4" X 4"	2	EA		
214	65985-I002	6	TEE, DIMJ	6" X 6"	12	EA		
215	65985-I003	6	TEE, DIMJ	8" X 6"	3	EA		
216	65985-I004	6	TEE, DIMJ	8" X 8"	10	EA		
217	65985-I005	6	TEE, DIMJ	10" X 10"	2	EA		
218	65985-I006	6	TEE, DIMJ	10" X 6"	1	EA		
219	65985-I007	6	TEE, DIMJ	10" X 8"	2	EA		
220	65985-I008	6	TEE, DIMJ	12" X 10"	2	EA		
221	65985-I009	6	TEE, DIMJ	12" X 12"	2	EA		
222	65985-I010	6	TEE, DIMJ	12" X 6"	2	EA		
223	65985-I011	6	TEE, DIMJ	12" X 8"	2	EA		
224	65985-I012	6	TEE, DIMJ FIRE HYDRANT	6" X 6"	20	EA		
225	65985-I013	6	TEE, DIMJ FIRE HYDRANT	8" X 6"	15	EA		
226	65985-I037	6	TEE, DIMJ FIRE HYDRANT	10" X 6"	2	EA		
227	65985-I038	6	TEE, DIMJ FIRE HYDRANT	12" X 6"	2	EA		
228	65985-I014	6	TEE, DIMJ WITH ACCESSORIES	14" X 14"	1	EA		
229	65985-I015	6	TEE, DIMJ WITH ACCESSORIES	14" X 6"	1	EA		
230	65985-I018	6	TEE, DIMJ WITH ACCESSORIES	16" X 8"	1	EA		
231	65954-I035	6	PLUG, DIMJ TAPPED	4" X 3"	2	EA		

**BID FORM
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LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
232	65954-I040	6	PLUG, DIMJ TAPPED	8" X 3"	2	EA		
233	65954-I023	7	PLUG, FLANGED TAPPED	3" X 2" IPS	30	EA		
234	65954-I024	7	PLUG, FLANGED TAPPED	4" X 2" IPS	12	EA		
235	65954-I025	7	PLUG, FLANGED TAPPED	4" X 2 1/2" IPS	2	EA		
236	65954-I026	7	PLUG, FLANGED TAPPED	6" X 2 1/2" IPS	2	EA		
237	65954-I027	7	PLUG, FLANGED TAPPED	8" X 2 1/2" IPS	2	EA		
238	65954-I028	7	PLUG, FLANGED, BLIND	6"	2	EA		
239	65954-I029	7	PLUG, FLANGED, BLIND	8"	2	EA		
240	65917-I012	7	BEND, FLANGED DI	10" X 90 d	1	EA		
241	65917-I016	7	BEND, FLANGED DI	6" X 90 d	350	EA		
242	65917-I018	7	BEND, FLANGED DI	8" X 90 d	2	EA		
243	65985-I000	7	TEE, D/I FLANGE	3" X 3"	30	EA		
244	65985-I027	7	TEE, D/I FLANGE	4" X 4"	12	EA		
245	65985-I028	7	TEE, D/I FLANGE	6" X 6"	130	EA		
246	65985-I029	7	TEE, D/I FLANGE	8" X 6"	200	EA		
247	65985-I030	7	TEE, D/I FLANGE	8" X 8"	2	EA		
248	65985-I031	7	TEE, D/I FLANGE	10" X 6"	2	EA		
249	65985-I032	7	TEE, D/I FLANGE	10" X 8"	2	EA		
250	65985-I033	7	TEE, D/I FLANGE	10" X 10"	2	EA		
251	65985-I034	7	TEE, D/I FLANGE	12" X 6"	2	EA		
252	65985-I035	7	TEE, D/I FLANGE	12" X 8"	2	EA		
			ALL PARTS MUST BE DOMESTIC					
253	65906-I040	8	FOSTER ADAPTER, W/ACCS	4"	2	EA		
254	65906-I041	8	FOSTER ADAPTER, W/ACCS	6"	4	EA		
255	65906-I042	8	FOSTER ADAPTER, W/ACCS	8"	12	EA		
256	65906-I043	8	FOSTER ADAPTER, W/ACCS	10"	2	EA		
257	65906-I044	8	FOSTER ADAPTER, W/ACCS	12"	2	EA		
258	65944-I050	8a	MEG A LUG RETAINER (1103)	3"	55	EA		
			W/GASKET T-BOLTS-NUTS					
259	65944-I051	8a	MEG A LUG RETAINER (1104)	4"	20	EA		

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SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
			W/GASKET T-BOLTS-NUTS					
260	65944-I052	8a	MEG A LUG RETAINER (1106)	6"	160	EA		
			W/GASKET T-BOLTS-NUTS					
261	65944-I053	8a	MEG A LUG RETAINER (1108)	8"	275	EA		
			W/GASKET T-BOLTS-NUTS					
262	65944-I054	8a	MEG A LUG RETAINER (1110)	10"	25	EA		
			W/GASKET T-BOLTS-NUTS					
263	65944-I055	8a	MEG A LUG RETAINER (1112)	12"	20	EA		
			W/GASKET T-BOLTS-NUTS					
264	67076-I575	8b	FIRE HYDRANT GRADELOK	6" X 6"	8	EA		
265	67076-I576	8b	FIRE HYDRANT GRADELOK	6" X 12"	6	EA		
266	67076-I577	8b	FIRE HYDRANT GRADELOK	6" X 24"	6	EA		
267	65846-I027	9	PIPE, DISJ PRESSURE RATED 350 PSI	3"	30	EA		
268	65846-I017	9	PIPE, DISJ PRESSURE RATED 350 PSI	4"	10	EA		
269	65846-I018	9	PIPE, DISJ PRESSURE RATED 350 PSI	6"	125	EA		
270	65846-I019	9	PIPE, DISJ PRESSURE RATED 350 PSI	8"	85	EA		
271	65846-I020	9	PIPE, DISJ PRESSURE RATED 350 PSI	10"	5	EA		
272	65846-I021	9	PIPE, DISJ PRESSURE RATED 350 PSI	12"	75	EA		
273	65846-I022	9	PIPE, DISJ PRESSURE RATED 350 PSI	14"	2	EA		
274	65846-I023	9	PIPE, DISJ PRESSURE RATED 350 PSI	16"	2	EA		
275	65846-I024	9	PIPE, DISJ PRESSURE RATED 350 PSI	18"	2	EA		
276	65846-I025	9	PIPE, DISJ PRESSURE RATED 350 PSI	20"	2	EA		
277	65860-I003	10	PIPE, PVC.SEWER SDR 35, 13' L.W/BELL	4"	390'	EA		
278	65860-I004	10	PIPE, PVC.SEWER SDR 35, 13' L.W/BELL	6"	5018'	EA		
279	65860-I005	10	PIPE, PVC.SEWER SDR 35, 13' L.W/BELL	8"	559'	EA		
280	65860-I006	10	PIPE, PVC.SEWER SDR 35, 13' L.W/BELL	12"	26'	EA		
281	65860-I007	10	PIPE, PVC.SEWER SDR 35, 13' L.W/BELL	10"	52'	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
282	65858-I003	11	PIPE, PEP.IPS 200 PSI,100' RL, ORANGEBURG	3/4"	1000'	EA		
283	65858-I004	11	PIPE, PEP.IPS 200 PSI 100' RL, ORANGEBURG	1"	1000'	EA		
284	65860-I009	12	PIPE, PVC, CLASS 200. 20' L. W/BELL END	2"	200'	EA		
285	65860-I002	12	PIPE, PVC.CLASS 200, 20' L. W/BELL END	2 1/2"	600'	EA		
286	65860-I010	12	PIPE, PVC SCH-40 dwv	4"	100'	EA		
287	89030-I006	13	SEWER, C/I MANHOLE COVER, VULCAN V-1480-1		4	EA		
288	89030-I004	13	SEWER, C/I MANHOLE RING, VULCAN V-1480-1		4	EA		
289	89030-I002	13	SEWER, C/I MANHOLE COVER, VULCAN V-2480-1		10	EA		
290	89030-I003	13	SEWER, C/I M/H RING-COVER VULCAN V-2480-1		50	EA		
291	89030-I008	13	SEWER, RMC-15H C/I RING & COVER CLEANOUT		35	EA		
292	89040-I013	14	BOX, EXT. VALVE (RITE-HITE ADAPT), DOME	2" TO 8"	250	EA		
293	89040-I014	14	BOX, LIDS, VALVE- WATER DOMESTIC	N/A	50	EA		
294	89040-I015	14	BOX, VALVE COMPLETE (DOMESTIC)	24" TO 36"	170	EA		
295	89040-I012	14	BOX, VALVE TOP CI-SCREW TYPE, DOMESTIC	26" TO 35"	100	EA		
296	65822-I005	15	PIPE, COPPER "K" TYPE, SOFT 100'	3/4"	20-rl	EA		
297	65822-I006	15	PIPE, COPPER "K" TYPE, SOFT 100'	1"	12-rl	EA		
298	65822-I001	15	PIPE, COPPER "K" TYPE, SOFT 60'	3/4"	230-rl	EA		
299	65822-I002	15	PIPE, COPPER "K" TYPE, SOFT 60'	1"	135-rl	EA		
300	65822-I007	15	PIPE, COPPER "K" TYPE, SOFT 60"	1-1/2"	5-rl	EA		
301	65822-I008	15	PIPE, COPPER "K" TYPE, SOFT 60"	2"	5-rl	EA		
302	65973-I001	16	SADDLE, DOUBLE STRAP CC THREAD	4" X 1"	6	EA		
303	65973-I002	16	SADDLE, DOUBLE STRAP CC THREAD	6" X 3/4"	30	EA		
304	65973-I003	16	SADDLE, DOUBLE STRAP CC THREAD	6" X 1"	24	EA		
305	65973-I004	16	SADDLE, DOUBLE STRAP CC THREAD	6" X 1 1/2"	2	EA		
306	65973-I005	16	SADDLE, DOUBLE STRAP CC THREAD	6" X 2"	2	EA		
307	65973-I006	16	SADDLE, DOUBLE STRAP CC THREAD	8" X 3/4"	12	EA		

**BID FORM
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LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
308	65973-I007	16	SADDLE, DOUBLE STRAP CC THREAD	8" X 1"	20	EA		
309	65973-I008	16	SADDLE, DOUBLE STRAP CC THREAD	8" X 1 1/2"	2	EA		
310	65973-I009	16	SADDLE, DOUBLE STRAP CC THREAD	8" X 2"	4	EA		
311	65973-I011	16	SADDLE, DOUBLE STRAP CC THREAD	10" X 1"	2	EA		
312	65973-I012	16	SADDLE, DOUBLE STRAP CC THREAD	10" X 1 1/2"	2	EA		
313	65973-I013	16	SADDLE, DOUBLE STRAP CC THREAD	10" X 2"	2	EA		
314	65973-I014	16	SADDLE, DOUBLE STRAP CC THREAD	12" X 3/4"	4	EA		
315	65973-I015	16	SADDLE, DOUBLE STRAP CC THREAD	12" X 1"	2	EA		
316	65973-I016	16	SADDLE, DOUBLE STRAP CC THREAD	12" X 1 1/2"	2	EA		
317	65973-I017	16	SADDLE, DOUBLE STRAP CC THREAD	12" X 2"	2	EA		
318	65973-I019	16	SADDLE, DOUBLE STRAP CC THREAD	16" X 3/4"	2	EA		
319	65973-I024	16	SADDLE, DOUBLE STRAP C/I (1740-1888)CC TH	16" X 1"	4	EA		
320	65973-I025	16	SADDLE, DOUBLE STRAP C/I (1740-1888)CC TH	16" X 2"	2	EA		
321	65973-I026	16	SADDLE, DOUBLE STRAP C/I(1530-1664)CC TH	14" X 1"	2	EA		
322	65973-I027	16	SADDLE, DOUBLE STRAP C/I(1530-1664)CC TH	14" X 2"	2	EA		
323	65973-I033	16	SADDLE, SINGLE STRAP CC THREAD	1 1/2" X 3/4"	12	EA		
324	65973-I034	16	SADDLE, SINGLE STRAP CC THREAD	2 1/2" X 1"	20	EA		
325	65973-I039	16	SADDLE, TRIPLE STRAP CC THREAD, ROCK 3	20" X 1 1/2"	1	EA		
326	65973-I040	16	SADDLE, TRIPLE STRAP CC THREAD, ROCK 3	20" X 2"	1	EA		
327	65973-I042	16	SADDLE, TRIPLE STRAP C/I (2160-2254)CC THR	20" X 1"	2	EA		
328	65973-I118	17	SLEEVE, DIMJ TAPPING	8" X 4"	1	EA		
329	65973-I116	17	SLEEVE, DIMJ TAPPING	6" X 4"	1	EA		
330	65973-I117	17	SLEEVE, DIMJ TAPPING	6" X 6"	10	EA		
331	65973-I119	17	SLEEVE, DIMJ TAPPING	8" X 6"	8	EA		
332	65973-I120	17	SLEEVE, DIMJ TAPPING	8" X 8"	12	EA		
333	65973-I121	17	SLEEVE, DIMJ TAPPING	10" X 6"	1	EA		
334	65973-I122	17	SLEEVE, DIMJ TAPPING	10" X 8"	2	EA		
335	65973-I124	17	SLEEVE, DIMJ TAPPING	12" X 6"	3	EA		
336	65973-I125	17	SLEEVE, DIMJ TAPPING	12" X 8"	10	EA		
337	65973-I126	17	SLEEVE, DIMJ TAPPING	12" X 10"	1	EA		

**BID FORM
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LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
338	65973-I127	17	SLEEVE, DIMJ TAPPING	12" X 12"	1	EA		
339	65973-I128	17	SLEEVE, DIMJ TAPPING	14" X 6"	1	EA		
340	65973-I129	17	SLEEVE, DIMJ TAPPING	14" X 8"	1	EA		
341	65973-I131	17	SLEEVE, DIMJ TAPPING	16" X 6"	1	EA		
342	65973-I132	17	SLEEVE, DIMJ TAPPING	16" X 8"	2	EA		
343	65973-I136	17	SLEEVE, DIMJ TAPPING	20" X 6"	1	EA		
344	65973-I137	17	SLEEVE, DIMJ TAPPING	20" X 8"	2	EA		
345	65973-I139	17	SLEEVE, DIMJ TAPPING	20" X 12"	1	EA		
346	65973-I048	17	SLEEVE, AC-MJ TAPPING	8" X 6"	1	EA		
347	65973-I077	17	SLEEVE, AC-MJ TAPPING	6" X 6"	1	EA		
348	65973-I078	17	SLEEVE, AC-MJ TAPPING	8" X 8"	1	EA		
			ALL PARTS MUST BE DOMESTIC					
349	67068-I056	18	VALVE, MJ TAPPING RESILIENT WEDGE	4"	1	EA		
			W/ACC.ATTACHED					
350	67068-I057	18	VALVE, MJ TAPPING RESILIENT WEDGE	6"	20	EA		
			W/ACC.ATTACHED					
351	67068-I058	18	VALVE, MJ TAPPING RESILIENT WEDGE	8"	30	EA		
			W/ACC.ATTACHED					
352	67068-I059	18	VALVE, MJ TAPPING RESILIENT WEDGE	10"	2	EA		
			W/ACC.ATTACHED					
353	67068-I060	18	VALVE, MJ TAPPING RESILIENT WEDGE	12"	1	EA		
			W/ACC.ATTACHED					
354	67068-I044	19	VALVE, MJ GATE RESILIENT WEDGE	3"	1	EA		
			W/M.J. GLAND PACKS					
355	67068-I045	19	VALVE, MJ GATE RESILIENT WEDGE	4"	1	EA		
			W/M.J. GLAND PACKS					
356	67068-I046	19	VALVE, MJ GATE RESILIENT WEDGE	6"	40	EA		
			W/M.J. GLAND PACKS					
357	67068-I047	19	VALVE, MJ GATE RESILIENT WEDGE	8"	24	EA		
			W/M.J. GLAND PACKS					

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
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LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
358	67068-I048	19	VALVE, MJ GATE RESILIENT WEDGE	10"	2	EA		
			W/M.J. GLAND PACKS					
359	67068-I049	19	VALVE, MJ GATE RESILIENT WEDGE	12"	2	EA		
			W/M.J. GLAND PACKS					
360	67068-I037	20	VALVE, FLG X FLG GATE R/WEDGE	3"	30	EA		
			W/HANDWHEEL					
361	67068-I038	20	VALVE, FLG X FLG GATE R/WEDGE	4"	16	EA		
			W/HANDWHEEL					
362	67068-I039	20	VALVE, FLG X FLG GATE R/WEDGE	6"	170	EA		
			W/HANDWHEEL					
363	67068-I040	20	VALVE, FLG X FLG GATE R/WEDGE	8"	200	EA		
			W/HANDWHEEL					
364	67068-I041	20	VALVE, FLG X FLG GATE R/WEDGE	10"	6	EA		
			W/HANDWHEEL					
365	67068-I042	20	VALVE, FLG X FLG GATE R/WEDGE	12"	6	EA		
			W/HANDWHEEL					
366	67068-I069	21	VALVE, FLG X FLG GATE R/WEDGE OS&Y	6"	2	EA		
367	67968-I070	21	VALVE, FLG X FLG GATE R/WEDGE OS&Y	8"	2	EA		
368	67068-I033	22	VALVE, FLANGE CHECK W/SWING	4"	2	EA		
			OPERATED LEVER					
369	67068-I034	22	VALVE, FLANGE CHECK W/SWING	6"	2	EA		
			OPERATED LEVER					
370	67068-I035	22	VALVE, FLANGE CHECK W/SWING	8"	1	EA		
			OPERATED LEVER					
371	67068-I024	23	VALVE, MJ BUTTERFLY VALVE	12"	1	EA		
372	67068-I025	23	VALVE, MJ BUTTERFLY VALVE	14"	1	EA		
373	67068-I026	23	VALVE, MJ BUTTERFLY VALVE	16"	1	EA		
374	67068-I028	23	VALVE, MJ BUTTERFLY VALVE #250	20"	1	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
375	67068-I009	24	VALVE, BZ. GATE AMER/JENK 3F-G 3/4"	3/4"	4	EA		
376	67068-I010	24	VALVE, BZ. GATE AMER/JENK 3F-G 1"	1"	4	EA		
377	67068-I011	24	VALVE, BZ. GATE AMER/JENK 3F-G 1-1/4"	1-1/4"	10	EA		
378	67068-I012	24	VALVE, BZ. GATE AMER/JENK 3F-G 1-1/2"	1-1/2"	16	EA		
379	67068-I013	24	VALVE, BZ. GATE AMER/JENK 3F-G 2"	2"	60	EA		
380	67068-I014	24	VALVE, BZ. GATE AMER/JENK 3F-G 2-1/2"	2-1/2"	60	EA		
381	67068-I015	24	VALVE, BZ. GATE AMER/JENK 3F-G 3"	3"	2	EA		
382	67068-I016	24	VALVE, DUAL CK CONBRACO 40-3S5-4AN(NO-	3/4"	4000	EA		
383	67068-I017	24	VALVE, DUAL CK CONBRACO 40-3S6-5AN(NO-	1"	325	EA		
384	67068-I072	24	DOUBLE CHECK VALVE BACKFLOW PREVEN	3/4"	25	EA		
			w/BALL VALVES and "Y" STRAINER 40-114-T2					
385	67068-I073	24	DOUBLE CHECK VALVE BACKFLOW PREVEN	1"	50	EA		
			w/BALL VALVES and "Y" STRAINER 40-115-T2					
386	67068-I018	24	VALVE, HOSE BIB MSTs or CXHOSE FIG 118-17	3/4"	30	EA		
387	67058-C001	25	M.J. TRANSITION RUBBER GASKET	3"	20	EA		
388	67058-C002	25	M.J. TRANSITION RUBBER GASKET	4"	30	EA		
389	67058-C003	25	M.J. TRANSITION RUBBER GASKET	6"	50	EA		
390	67058-C004	25	M.J. TRANSITION RUBBER GASKET	8"	50	EA		
391	67058-C005	25	M.J. TRANSITION RUBBER GASKET	10"	20	EA		
392	67058-C006	25	M.J. TRANSITION RUBBER GASKET	12"	20	EA		
393	67058-C001	25	M.J. RUBBER GASKET	3"	20	EA		
394	67058-C002	25	M.J. RUBBER GASKET	4"	20	EA		
395	67058-C003	25	M.J. RUBBER GASKET	6"	50	EA		
396	67058-C004	25	M.J. RUBBER GASKET	8"	50	EA		
397	67058-C005	25	M.J. RUBBER GASKET	10"	20	EA		
398	67058-C006	25	M.J. RUBBER GASKET	12"	10	EA		
399	67058-I020	25	SJ FIELD LOCK GASKET	6"	20	EA		
400	67058-I021	25	SJ FIELD LOCK GASKET	8"	30	EA		
401	67058-I022	25	SJ FIELD LOCK GASKET	10"	6	EA		
402	67058-I023	25	SJ FIELD LOCK GASKET	12"	4	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
403	67058-I024	25	MJ FIELD LOCK GASKET D/I	4"				
404	67058-I025	25	MJ FIELD LOCK GASKET D/I	6"	2	EA		
405	67058-I026	25	MJ FIELD LOCK GASKET D/I	8"	2	EA		
406	67058-I027	25	MJ FIELD LOCK GASKET D/I	10"	2	EA		
407	67058-I028	25	MJ FIELD LOCK GASKET D/I	12"	2	EA		
			ALL PARTS MUST BE DOMESTIC					
408	67068-I031	27	VALVE, AIR/VAC RELEASE	1"	2	EA		
409	89044-I753	28	METER, RESETTER-BRASS W/3/4" D-CHECK McDONALD 10-2-3NNH-X72 (no sub's)		1000	EA		
410	89045-I026	28	METER, RESETTER-BRASS W/3/4" D-CHECK McDONALD 17-204JD (no sub's)	3/4" X 4"	4000	EA		
411	89045-I010	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-212JX	3/4" X 12"	40	EA		
412	89045-I011	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-218JX	3/4" X 18"	18	EA		
413	89045-I012	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-224JX	3/4" X 24"	10	EA		
414	89045-I013	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-412-JX	1" X 12"	8	EA		
415	89045-I014	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-418-JX	1" X 18"	2	EA		
416	89045-I015	28	METER, RESETTER-BRASS W/FULL PORT VAL McDONALD #18-424-JX	1" X 24"	2	EA		
417	67064-I002	29	CURB STOP, PVC (PEP)-IPS PACK JOINT W/STIFFNER 6102W-33	1"	100	EA		
418	67064-I001	29	CURB STOP, PVC (PEP)-IPS PACK JOINT W/STIFFNER 6102W-33	3/4"	500	EA		
419	67064-I003	29	CURB STOP, FIP THREAD Mc Don # (Full Port) 6	3/4"	150	EA		
420	67064-I004	29	CURB STOP, FIPxFIP (Full Port) McDon# 6101W	1"	300	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
421	67064-I010	29	CURB STOP, FIPx FIP McDon# 6101W	1-1/2"	35	EA		
422	67064-I011	29	CURB STOP, FIP THREAD FORD B11-777W	2"	80	EA		
423	67064-I005	29	CURB STOP, F/C 6102W	3/4"	250	EA		
424	67064-I006	29	CURB STOP, FORD COMP-COPPER 6102W-22	3/4"	1100	EA		
425	67064-I007	29	CURB STOP, F/C 6102W	1"	25	EA		
426	67068-I001	29	CORP. STOP F/C 4701B	3/4"	100	EA		
427	67068-I002	29	CORP. STOP F/C 4701B	1"	40	EA		
428	67068-I003	29	CORP, STOP IP SERV, McDon# 3128B	1 1/2"	5	EA		
429	67068-I004	29	CORP, STOP IP SERV, McDon# 3128B	2"	4	EA		
430	67068-I006	29	CORP. STOP AF, 4701B-33 W/STIFF.	1"	25	EA		
431	67068-I005	29	CORP. STOP AF, 4701B-33 W/STIFF.	3/4"	35	EA		
432	67068-I084	29	VALVE, BALL METER McDONALD 6101MW	1-1/2"	120	EA		
433	67068-I085	29	VALVE, BALL METER McDONALD 6101MW	2"	140	EA		
434	67068-I086	29	VALVE, BALL METER McDONALD 6100MW-22	1-1/2"	30	EA		
435	67068-I087	29	VALVE, BALL METER McDONALD 6100MW-22	2"	20	EA		
436	65987-I001	30	UNIONS 3-PT COMP. COP. 4758-22 BRASS	3/4"	130	EA		
437	65987-I002	30	UNIONS 3-PT COMP. COP. 4758-22 BRASS	1"	50	EA		
438	65987-I003	30	UNIONS, F/C 4758 BRASS	3/4"	10	EA		
439	65987-I004	30	UNIONS, F/C 4758 BRASS	1"	6	EA		
440	65987-I005	30	UNIONS, 3-PT COMP. COP 4758-22 BRASS	1-1/2"	2	EA		
441	65987-I006	30	UNIONS, 3-PT COMP. COP 4758-22 BRASS	2"	5	EA		
442	65906-I004	30	ADAPTER, FIPS, CF PACK JOINT 4754-22	3/4"	495	EA		
443	65906-I005	30	ADAPTER, FIPS, CF PACK JOINT 4754-22	1"	300	EA		
444	65906-I006	30	ADAPTER, FIPS, F/C 4754	3/4"	50	EA		
445	65906-I007	30	ADAPTER, FIPS, F/C 4754	1"	75	EA		
446	65906-I008	30	ADAPTER, MIPS, AF, PVC-IPS	3/4"	200	EA		
			PACK JOINT 4753-33 W/STIFFNER					
447	65906-I009	30	ADAPTER, MIPS, CF CTS C84-33G	3/4"	1000	EA		
			PACK JOINT 4753-22					
448	65906-I010	30	ADAPTER, MIPS AF, PVC-IPS	1"	225	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
			PACK JOINT 4753-33 W/STIFFNER					
449	65906-I011	30	ADAPTER, MIPS, CF CTS C84-44G	1"	425	EA		
			PACK JOINT 4753-22					
450	65906-I012	30	ADAPTER, MIPS, F/C 4753	3/4"	50	EA		
451	65906-I013	30	ADAPTER, MIPS, F/C 4753	1"	30	EA		
452	65906-I014	30	ADAPTER, MIPS, F/C WYE 08YSMC	1"X 3/4" X 3/4"	20	EA		
453	65906-I055	30	ADAPTER, MIPS, CF CTS C84-44G	1-1/2"	45	EA		
			PACK JOINT 4753-22					
454	65906-I066	30	ADAPTER, MIPS, CF CTS C84-44G	2"	65	EA		
			PACK JOINT 4753-22					
455	65906-I045	30	ADAPTER, FIPS, CF, CTS PACK JOINT 4754-22	1-1/2"	10	EA		
456	65906-I050	30	ADAPTER, FIPS, CF, CTS PACK JOINT 4754-22	2"	10	EA		
457	65906-I090	30	BEND, CF, CTS X CTS 90d ELBOW 4761-22	1-1/2"	2	EA		
####	65906-I091	30	BEND, CF, CTS X CTS 90d ELBOW 4761-22	2"	2	EA		
459	65906-I002		2" MIPT X 2-1/2" SWIVEL ADAPTOR	2" X 2-1/2"	20	EA		
460	65906-I002	30	2" MIPT X 2-1/2" MNST ADAPTOR	2" X 2-1/2"	20	EA		
461	89040-I004	31	METER BOX, CARSON #1419-12		2000	EA		
462	89040-I003	31	LID, C/IRON F/CARSON #1419-12 METER BOX		2000	EA		
463	89040-I010	31	TRAFFIC METER BOX CARSON P/N MSBCF1015-12-XL		75	EA		
			W/SOLID DUCTILE IRON LID (NO SUBS)					
464	89040-I005	31	BOX, EXT, CARSON METER	3"	285	EA		
465	89040-I006	31	BOX, EXT, CARSON METER	6"	180	EA		
466	89040-I020	31	BOX, CDR, W/CCWS ON LID &	30" X 60" X 30"	4	EA		
			READ HOLE (RECESSED)					
467	89040-I025	31	BOX, CDR, W/CCWS ON LID &	24" X 36" X 18"	150	EA		
			READ HOLE (RECESSED)					
468	89040-I041	31	METER BOX SERIES 1200 PLASTIC (IRRG. GREEN)		50	EA		
469	89040-I042	31	METER BOX LID, SERIES 1200 PLASTIC (IRRG GREEN)		50	EA		
470	89040-I043	31	METER BOX SERIES 1500 PLASTIC (IRRG. GREEN)		50	EA		
471	89040-I044	31	METER BOX LID, SERIES 1500 PLASTIC (IRRG GREEN)		50	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
472	67052-I001	34	CLAMP, BELL JOINT (SLIP JOINT)	6"	2	EA		
473	67052-I002	34	CLAMP, BELL JOINT (SLIP JOINT)	8"	2	EA		
474	67052-I003	34	CLAMP, BELL JOINT (SLIP JOINT)	10"	2	EA		
475	67052-I004	34	CLAMP, BELL JOINT (SLIP JOINT)	12"	2	EA		
476	67052-I005	34	CLAMP, BELL JOINT (SLIP JOINT)	14"	2	EA		
477	67052-I006	34	CLAMP, BELL JOINT (SLIP JOINT)	16"	2	EA		
478	67052-I007	34	CLAMP, BELL JOINT (SLIP JOINT)	18"	2	EA		
479	67052-I008	34	CLAMP, BELL JOINT (SLIP JOINT)	20"	2	EA		
480	67052-I057	35	COUPLING ANCHOR, DI	6" X 13"	65	EA		
481	67052-I058	35	COUPLING ANCHOR, DI	6" X 36"	10	EA		
482	67052-I059	35	COUPLING ANCHOR, DI	8" X 13"	60	EA		
483	65906-I022	36	COUPLING ADAPTER, FLANGE-ROCK #912-EQ	6"	200	EA		
484	65906-I023	36	COUPLING ADAPTER, FLANGE-ROCK #912-EQ	8"	80	EA		
485	65906-I024	36	COUPLING ADAPTER, FLANGE-ROCK #912-EQ	10"	2	EA		
486	65906-I025	36	COUPLING ADAPTER, FLANGE-ROCK #912-EQ	12"	2	EA		
487	65880-I010	38	PIPE, STEEL SCH. 40 A120 COATED IN/OUT	12"	2	EA		
488	65880-I011	38	PIPE, STEEL SCH. 40 A120 COATED IN/OUT	16"	2	EA		
489	65880-I014	38	PIPE, STEEL CASING .250 WALL 20" L NO	20"	2	EA		
490	65880-I015	38	PIPE, STEEL CASING .375 WALL 20' L NO	24"	2	EA		
491	65880-I017	38	PIPE, STEEL CASING .375 WALL 20' L NO	6"	2	EA		
492	65880-I018	38	PIPE, STEEL CASING .375 WALL 20' L NO	8"	2	EA		
493	89045-I001	39	METER, BRASS LOCK DEVICE (JONES J-280)	3/4"	600	EA		
494	89045-I002	39	METER, BRASS LOCK DEVICE (JONES J-280)	1"	100	EA		
495	67058-C007	40	METER WASHER, RUBBER (100PK)	3/4" X 1/16	10M	EA		
496	67058-C008	40	METER WASHER, RUBBER (100PK)	3/4" X 1/32	10M	EA		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
497	67058-C009	40	METER WASHER, RUBBER (100PK)	3/4" X 1/8	10M	EA		
498	67058-C010	40	METER WASHER, RUBBER (100PK)	1" X 1/16	5M	EA		
499	67058-C011	40	METER WASHER, RUBBER (100PK)	1" X 1/32	5M	EA		
500	67058-C012	40	METER WASHER, RUBBER (100PK)	1" X 1/8	5M	EA		
501	89045-I003	41	METER, CONNECTORS BRASS	3/4" X 2 1/2"	6000	EA		
502	89045-I004	41	METER, CONNECTORS BRASS	1" X 2 5/8"	300	EA		
503	89030-I030	41	METER, CONNECTORS BRASS	3/4" X 8.5"	25	EA		
504	89030-I031	41	METER, CONNECTORS BRASS	1" X 8.5"	50	EA		
505	89045-I005	42	METER, CONNECTIONS C.I. FLANGE	1 1/2"	2	EA		
506	89045-I006	42	METER, CONNECTIONS C.I. FLANGE	2"	6	EA		
507	89045-I008	42	METER, CONNECTIONS C.I. FLANGE	3"	2	EA		
508	89045-I009	42	METER, CONNECTIONS C.I. FLANGE	4"	2	EA		
509	65846-I001	43	PIPE, FLANGE X P.E. #125	3" X 3'	30	EA		
510	65846-I002	43	PIPE, FLANGE X P.E. #125	4" X 4'	12	EA		
511	65846-I003	43	PIPE, FLANGE X P.E. #125	6" X 6'	200	EA		
512	65846-I005	43	PIPE, FLANGE X P.E. #125	6" X 8'	6	EA		
513	65846-I006	43	PIPE, FLANGE X P.E. #125	8" X 8'	150	EA		
514	65846-I008	43	PIPE, FLANGE X P.E. #125	10" X 8'	6	EA		
515	65846-I010	43	PIPE, FLANGE X P.E. #125	12" X 8'	2	EA		
516	65846-I013	43	METER, FLG. X FLG. SPOOL PIECE	3" X 11 3/4"	2	EA		
517	65846-I014	43	METER, FLG. X FLG. SPOOL PIECE	4" X 14 3/4"	2	EA		
518	65846-I015	43	METER, FLG. X FLG. SPOOL PIECE	6" X 12"	4	EA		
519	65846-I016	43	METER, FLG. X FLG. SPOOL PIECE	8" X 13"	2	EA		
520	65880-I006	45	PIPE, GALV. STEEL (DOMESTIC) 21' L.	2"	6	EA		
521	65880-I007	45	PIPE, GALV. STEEL (DOMESTIC) 21' L.	2 1/2"	6	EA		
522	32020-C001	45	TEE BOLTS	5/8"-11 X 3"	2 CS	Case		

**BID FORM
WATER/SEWER PIPE, VALVES AND FITTINGS
SEALE BID #09-5432**

LINE NBR	STOCK NUMBER	CLS	STOCK ITEM DESCRIPTION	SIZE	EST. QTY	Unit of Measure	MANUFACTURER	UNIT COST
523	32020-C002	45	TEE BOLTS	3/4"-10 X 3.5"	3 CS	Case		
524	32020-C003	45	TEE BOLTS	3/4"-10 X 4"	3 CS	Case		
525	32020-C004	45	TEE BOLTS	3/4"-10 X 4"	2 CS	Case		
			(NON-ROTATING, SQUARE SHOULDER)					
526	32020-C005	45	TEE BOLTS	3/4"-10 X 4.5"	2 CS	Case		
527	32020-C006	45	TEE BOLTS	3/4"-10 X 5"	1 CS	Case		
528	32020-C007	45	TEE BOLTS	1" X 6"	1 CS	Case		
529	32083-I029		ALL THREAD ROD	5/8"-11 X 10'	65	EA		
530	32083-I030		ALL THREAD ROD	3/4"-10 X 10'	360	EA		
531	67005-I001		PVC CEMENT (QUARTS)		132	EA		
532	67006-I001		PIPE-JOINT COMPOUND RECTORSEAL		36	EA		
			W/TEFLON (QUARTS)					
533	67059-I001		PREGO-PLUG (5-gal SEWER PLUG)		55	EA		
534	89080-I001		LIQUID TRACING DYE YELLOW 16oz		72	EA		
535	67068-I102		VALVE,GATE FIP X FIP W2" OPERATING NU	2 1/2"		EA		
536	67076-630		VALVE BOX ADP CARSON V GUARD(NO SUBS)			EA		