FULTON COUNTY

INVITATION TO BID – COMMODITIES 14ITBC94503A-CJC

DUCTILE IRON PIPES AND FITTINGS

For

DEPARTMENT OF WATER RESOURCES

BID DUE DATE AND TIME: Thursday, September 25, 2014 at 11:00A.M.
BID ISSUANCE DATE: August 21, 2014
PURCHASING CONTACT: Charlie Crockett
E-MAIL: charlie.crockett@fultoncountyga.gov

LOCATION: FULTON COUNTY DEPARTMENT OF PURCHASING & CONTRACT COMPLIANCE
130 PEACHTREE STREET, S.W., SUITE 1168
ATLANTA, GA 30303

RESPONSES MUST BE SUBMITTED ONLINE AT www.fultonvendorselfservice.co.fulton.ga.us. BY THE DATE AND TIME INDICATED.
You must be a registered vendor in order to respond.

TABLE OF CONTENTS

Invitation to Bid

Section 1 - Instructions to Bidders, General Terms and Conditions
1. Bid Preparation
2. Receipt and Opening of Bids
3. Certification of Independent Price Determination
4. Term of Contract
5. Examination of Contract Documents
6. Addenda and Interpretations
7. Non-Collusion
8. Conflict of Interest
9. Basis of Award
10. Samples
11. New
12. Brand Name Specifications and Approved Equivalents
13. Insurance and Risk Management Provisions
14. Indemnification
15. Taxes
16. Delivery
17. Placement of Orders
18. Rights and Remedies of County for Default
19. Invoices and Payment Terms
20. Legal Requirements
21. Assignment
22. Rejection of Bid
23. Termination
24. Debarment
25. Right to Protest
26. Binding Authority
27. Submittals

Section 2
Bid Form

Section 3
Forms

Form 1: Non-Collusion Affidavit of Prime Bidder
Form 2: Certificate of Acceptance of Request for Bid Requirements
Form 3: Promise of Non-Discrimination
Form 4: Employment Report

Section 4
Scope of Work and Technical Specifications

Section 5
Special Conditions

FULTON COUNTY GOVERNMENT

INVITATION TO BID

14ITBC94503A-CJC, DUCTILE IRON PIPES AND FITTINGS

Sealed Bids for the procurement of ductile iron pipes and fittings will be received by the Fulton County Department of Purchasing and Contract Compliance at 130 Peachtree Street, S.W. Suite 1168 Atlanta, GA 30303, **no later than 11:00 a.m**., local time, on **Thursday, September 25, 2014**.

PURPOSE AND SCOPE

The purpose of this Invitation to Bid ("ITB") is to establish an indefinite quantity, firm fixed price contract to be used as the primary source for the commodities/goods listed in the attached specifications. Commodities will be ordered from time to time in such quantity as may be needed to fill any requirements of the County. As it is impossible to determine the precise quantities that may be needed during the contract period, the Vendor is obligated to deliver in minimum/maximum quantities contracted for in accordance with the specific conditions of this bid.

BID DOCUMENTS

This document and supporting documents can be downloaded at the Fulton County Website, http://www.fultoncountyga.gov under "Bid Opportunities".

PURCHASING CONTACT

Information regarding the bid or bid requirements, either procedural or technical, may be obtained by submitting questions in writing to:

Fulton County Government
Department of Purchasing & Contract Compliance
Attn: Charlie Crockett, Assistant Purchasing Agent
Fulton County Public Safety Building
130 Peachtree Street, S.W., Suite 1168
Atlanta, Georgia 30303
Email: charlie.crockett@fultoncountyga.gov
Fax: 404-893-1737
Reference Bid #: 14ITBC94503A-CJC

Any response made by the County will be provided in writing to all Proposers by addendum. No verbal responses shall be authoritative.

PRE-BID CONFERENCE

A Pre-Bid conference will not be held

END OF SECTION

14ITBC94503A-CJC, DUCTILE IRON PIPES AND FITTINGS

INSTRUCTIONS TO BIDDERS, GENERAL TERMS AND CONDITIONS

The following provisions are hereby made a part of this Invitation to Bid for Commodities Only (ITB – Commodities).

Any contract or purchase order awarded as the result of this request shall be governed by these General Terms and Conditions.

1. BID PREPARATION

a. Bidders shall **SUBMIT ONE (1) ORIGINAL, SIGNED AND DATED, AND TWO (2) COPIES** on the forms provided in the Bid Document.

b. All bids must be made on the bid forms contained herein and shall be subject to all requirements of the Agreement Documents. All bids must be regular in every respect and no interlineations, excisions, or special conditions shall be made or included in the bid by the Bidder.

c. Lump sum, unit price and extensions of unit prices must be entered in the appropriate spaces provided on the Bid Form. The unit price for each unit bid on shall be shown and such price shall include packing, unless otherwise specified. A total shall be entered in the amount column for each item bid on. In case of a discrepancy between a unit price and extended price, the unit price will be presumed to be correct.

d. All blank spaces must be typed or hand written in blue ink on the “Original”. All dollar amounts must be BOTH in writing and figures and represent prices for the published scope of work without exceptions.

e. The County may, in its sole discretion, reject any bid determined as irregular, a conditional bid or any bid on which there is an alteration of, or departure from the Bid Schedule attached.

f. Erasures or other changes in the bids must be explained or noted over the signature of the Bidder. All corrections to any entry must be lined out and initialed by the Bidder. Please do not use correction tapes or fluid. Failure to do so shall render the Bidder as non-responsive and cause rejection of the bid.

g. Failure to execute the Bid Schedule/Bid Form documents may result in Bidder being deemed non-responsive and cause rejection of the bid.

h. The County reserves the right to award multiple contracts for the procurement of annual contracts for supplies, construction, services, professional and consultant services.

2. RECEIPT AND OPENING OF BIDS

Sealed bids will be received by the Fulton County Department of Purchasing & Contract Compliance at Fulton County Public Safety Building, 130 Peachtree Street, S.W., Suite 1168 Atlanta, Georgia 30303. All submitted bids shall be time and date stamped according to the clock at the front desk of the Fulton County Department of Purchasing & Contract Compliance. The original signed Bid with two (2) copies shall be submitted in a sealed envelope, addressed to the Department of Purchasing and Contract Compliance and labeled **14ITBC94503A-CJC, DUCTILE IRON PIPES AND FITTINGS.**

REQUIRED SUBMITTALS: The bidder **must complete and execute** the forms listed below and the executed Forms must be submitted with your bid submittal:

1. Bid Form
2. Acknowledgement of each Addendum (if applicable)
3. Purchasing & Contract Compliance Forms:

    a. Form A: Non-Collusion Affidavit of Prime Bidder
    b. Form B: Certificate of Acceptance of Bid Requirements
    c. Exhibit A: Promise of Non-Discrimination
    d. Exhibit B: Employment Report

Any bids received after the stated time and date will not be considered. It shall be the sole responsibility of the bidder to have his/her bid delivered to the Fulton County Department of Purchasing and Contract Compliance for receipt on or before the stated time and date. If a bid is sent by U.S. Mail, the bidder shall be responsible for its timely delivery to the Purchasing Department. Bids delayed by mail will not be considered, shall not be opened, and arrangements shall be made for their return at the bidder's request and expense.

Bid shall be publicly opened, with only the names and total bid price of the bidders disclosed at the opening

3. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

By submission of this bid, the bidder certifies, and in the case of joint bid each party thereto certifies as to its own organization, that in connection with this procurement:

(1) The prices in this bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to the opening, directly or indirectly to any other bidder or to any competitor; and

(3) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition.

4. TERM OF CONTRACT

MULTI-YEAR CONTRACT TERM

The contract term shall be as defined below. The County is obligated only to pay such compensation under the contract as may lawfully be made from funds budgeted and appropriated for that purpose during the County's then current fiscal year.

a. Commencement Term

The effective date of the Purchase Order shall begin the starting date, and shall end absolutely and without further obligation on the part of the County on the 31st day of December 2015. The Commencement Term shall be subject to events of termination and the County's termination rights that are described elsewhere in this Agreement. Notwithstanding anything contained in this Agreement, the County's obligation to make payments provided under this Agreement shall be subject to the County's annual appropriations of funds for the goods, services, materials, property and/or supplies procured under this Agreement by the County's governing body and such obligation shall not constitute a pledge of the County's full faith and credit within the meaning of any constitutional debt limitation.

b. Renewal Terms

Unless the terms of this Agreement are fulfilled with no further obligation of the part of either party on or before the final date of the Commencement Term as stated above, or unless an event of termination as defined within this Agreement occurs during the Commencement Term, this Agreement may be renewed at the written option of the County upon the approval of the County Board of Commissioners for two (2) one-year ("Renewal Terms"). However, no Renewal Term of this Agreement shall be authorized nor shall any Renewal Term of this Agreement commence unless and until each Renewal Term has first been approved in writing by the County Board of Commissioners for the calendar year of such Renewal Term. If approved by the County Board of Commissioners, the First Renewal Term shall begin on the 1st day of January, 2016 and shall end no later than the 31st day of December, 2016. If approved by the County Board of Commissioners, the Second Renewal Term shall begin on the 1st day of January, 2017 and shall end no later than the 31st day of December, 2017. If the County chooses not to exercise any Renewal Term as provided in this Section, then the Term of this Agreement then in effect shall also be deemed the "Ending Term" with no further obligation on the party of either party.

c. Term Subject to Events of Termination

All "Terms" as defined within this Section are subject to the section of this Agreement which pertain to events of termination and the County's rights upon termination.

d. Same Terms

Unless mutually agreed upon in writing by the parties, or otherwise indicated herein, all provisions and conditions of any Renewal Term shall be exactly the same as those contained within in this Agreement.

e. Statutory Compliance Regarding Purchase Contracts.

The parties intend that this Agreement shall, and this Agreement shall operate in conformity with and not in contravention of the requirements of O.C.G.A. § 36-60-13, as applicable, and in the event that this Agreement would conflict therewith, then this Agreement shall be interpreted and implemented in a manner consistent with such statute.

5. EXAMINATION OF CONTRACT DOCUMENTS

Prospective bidders shall examine the contract documents and before submitting a bid, shall make a written request to the County for an interpretation or correction of any ambiguity, in consistency or error therein which could be discovered by a bidder. At the bid opening each bidder shall be presumed to have read and be familiar with the contract documents.

6. ADDENDA AND INTERPRETATIONS

No interpretations of the meaning of the invitation to bid, specifications or other pre-bid documents will be made to any Bidder orally. Bidders requiring clarification or interpretation of the Bidding Documents shall make a request to ***Charlie Crockett, Assistant Purchasing Agent*** no later than 2:00 PM, ***Thursday, September 18, 2014***. Written requests for clarification or interpretation may be mailed, hand delivered, e-mailed or faxed to the Purchasing Contact identified in the Invitation to Bid. Telephone inquiries will not be accepted.

Only communications from firms that are in writing will be recognized by the County as duly authorized expressions on behalf of bidders. Any and all such interpretations and any supplemental instructions will be in the form of written Addenda to the Specifications which, and if any addenda are issued to this Invitation to Bid. All responses to written requests for clarification, interpretation, or additional information will be distributed as addenda to this RFP and posted on the Fulton County website www.fultoncountyga.gov.

7. NON-COLLUSION

Bidder certifies that this bid is made without prior understanding, agreement or connection with any other corporation, firm or person submitting a bid for the same work, labor or service to be done or the supplies, materials or equipment to be furnished and is in all respects fair and without collusion or fraud. Bidder further understands collusive bidding is a violation of state and federal law and can result in fines, prison sentences and civil damage awards. Bidder agrees to abide by all conditions of this bid and certifies that person signing is authorized to sign this bid or proposal for the bidder.

8. CONFLICT OF INTEREST

Bidder states that no County officer or employee, nor any business entity in which they have an interest: a) Has an interest in the contract awarded; b) Has been employed or retained to

solicit or aid in the procuring of the resulting contract; c) Will be employed in the performance of such contract without immediate disclosure of such fact to the County.

9. BASIS OF AWARD

The County shall award to the overall lowest responsible and responsive vendor complying with the provisions of the ITB - Commodities. The following criteria may be considered by the County in selecting the most advantageous quote: a) Ability to perform the service required within the specified time; b) Conformance to specification; c) The quality of performance in previous contracts; d) Financial ability to perform the contract; e) Item pricing; f) Bidder references. The County reserves the right to cancel the solicitation and to reject any or all bids in whole or in part and is not bound to accept any bid if rejection of that bid is determined to be contrary to the best interest of the County.

10. SAMPLES

Samples of items when required, must be furnished free of expense to the County and upon request, be returned to the Bidder at the Bidder's expense. Samples of selected items may be retained for comparison purposes.

11. NEW

All items bid must be new. Used, rebuilt and refurbished items will not be considered unless specifically authorized by Fulton County in the written specifications.

12. BRAND NAME SPECIFICATIONS AND APPROVED EQUIVALENTS

Unless otherwise specified, manufacturer's names, trade names, brand names, information and/or catalog numbers listed in the specifications are intended only to identify the quality and characteristics desired. They are not intended to limit competition. The Bidder may offer any equivalent product which meets or exceeds the specifications. If bids are based on equivalent products, the bid must: a) Indicate the alternate manufacturer's name and catalog number; b) Include complete descriptive literature and/or specifications; c) Include proof that the proposed equivalent will meet the specifications. The County reserves the right to be the sole judge of what is equal and acceptable to meet its needs in all respects. If Bidder fails to name a substitute, goods identical to the published standard must be furnished.

13. INSURANCE AND RISK MANAGEMENT PROVISIONS

The successful Bidder(s) shall, during all terms of the Contract maintain in full force and effect (i) commercial general liability insurance in the amounts of $1,000,000.00 (each occurrence), with a $2,000,000.00 (general aggregate), (ii) automobile liability insurance with a combined single limit for bodily injury and property damage of not less than $500,000 with respect to any owned, hired and/or non-owned vehicles utilized in the performance of its' services. At the time of award, a copy of the successful Bidder's Certificate of Insurance must be provided.

14. INDEMNIFICATION

Bidder hereby agrees to release, indemnify, defend and hold harmless the County, its Commissioners, officers, employees, subcontractors, successors, assigns and agents from

and against any and all losses (including death), claims, damages, liabilities, costs and expenses (including but not limited to all actions, proceedings, or investigations in respect thereof and any outcome of any such action, proceeding, or investigation), caused by, relating to, based upon or arising out of any act or omission by contractor, it's directors, officers, employees, subcontractors, successors, assigns or agents, or otherwise in connection with its acceptance, of the performance, or nonperformance, of its obligations under this agreements.

Bidder's obligation to protect, defend, indemnity and hold harmless, as set forth hereinabove, shall also include, but is not limited to, any matter arising out of any actual or alleged infringement of any patent, trademark, copyright, or service mark, or other actual or alleged unfair competition disparagement of product or service, or other tort or any type whatsoever, or any actual or alleged violation of trade regulations.

Bidder further agrees to protect, defend, indemnify and hold harmless Fulton County, its Commissioners, officers, employees, subcontractors, successors, assigns and agents from and against any and all claims or liability for compensation under the Worker's Compensation Act, Disability Benefits Act, or any other employee benefits act arising out of injuries sustained by any employees of Bidder. These indemnities shall not be limited by reason of the listing of any insurance coverage.

15. <u>TAXES</u>

Fulton County is exempt from the State of Georgia sales tax and exemption certificate will be furnished upon request.

16. <u>DELIVERY</u>

All prices must be FOB Destination, unloaded inside and assembled unless otherwise indicated.

17. <u>PLACEMENT OF ORDERS</u>

Orders will be placed using one of the following methods:

a) A Purchase order (PO) will be issued as required for departments having a known requirement, fixed quantities, and one-time delivery, during the entire life of the contract.

b) A Delivery Order (DO) will be issued as required for departments having a known requirement, fixed quantities, and one-time delivery, during the entire life of the contract.

18. <u>RIGHTS AND REMEDIES OF COUNTY FOR DEFAULT</u>

If any item furnished by the Bidder fails to conform to specifications, or to the sample submitted by the Bidder, the County may reject it. Upon rejection, the Bidder must promptly reclaim and remove such item without expense to the County, and shall immediately replace all such rejected items with others conforming to such specification and samples. If the Bidder fails to do so, the County has the right to purchase in the open market a corresponding quantity of any such items and to deduct from any monies due the Bidder the difference between the prices named in the purchase order and the actual cost to the County. If the Bidder fails to make prompt delivery of any item, the County has the right to

purchase such item in the open market and to deduct from any monies due the Bidder the difference between the prices named in the purchase order and the actual replacement cost to the County. The rights and remedies of the County identified above are in addition to any other rights and remedies provided by law or under the purchase order.

19. INVOICES AND PAYMENT TERMS

Invoices are to be mailed to the County department specified on the resulting purchase order or master agreement. All invoices must include the purchase order number or master agreement number. Failure to comply may result in delayed payments. The County payment terms are Net 30 days unless a cash discount is allowed for payment within not less than twenty (20) days. The payment term shall begin on the date the merchandise is inspected, delivered and accepted by the County and the correct invoice is received in the office specified on the purchase order.

20. LEGAL REQUIREMENTS

Federal, State, County and local ordinances, rules and regulations, and policies shall govern development, submittal and evaluation of quote and disputes about quotes. Lack of knowledge by any Bidder about applicable law is not a defense.

21. ASSIGNMENT

Any purchase order awarded shall not be assignable by the Bidder without the express written approval of the County, and shall not become an asset in any bankruptcy, receivership or guardianship proceedings.

22. REJECTION OF BID

Bids may be considered irregular and may be rejected if they show omissions, alternations of form, additions not called for, conditions, limitations, unauthorized alternate bids or other irregularities of any kind. The County reserves the right to waive minor technicalities or irregularities of bid.

23. TERMINATION

In the event any of the provisions of the purchase order are violated, the County may serve written notice of its intention to terminate the purchase order. Such notice will state the reason(s) for such intention, and unless within ten (10) days after serving notice upon the contractor, such violation has ceased and satisfactory arrangements for correction made, the purchase order shall, upon expiration of ten (10) days, be terminated. Further, the County reserves the right to terminate for its convenience any purchase order in whole or in part upon giving thirty (30) days prior written notice to the other party.

24. DEBARMENT

If a Bidder is presently debarred, suspended, proposed for debarment, declared ineligible, or otherwise excluded from doing business with any government agency which prohibits your firm from participating in any procurement, the Bidder must provide the County with that information as part of its response to this solicitation. Failure to fully and truthfully provide

the information required, may result in the disqualification of your bid from consideration or termination of the purchase order, once awarded.

25. RIGHT TO PROTEST

Any actual bidder or offeror that has submitted a bid/proposal for a particular procurement and is aggrieved in connection with the solicitation or award of the contract shall protest in writing to the purchasing agent after the date that the specific bid or proposal is submitted. No protest will be accepted or considered prior to the date the specific bid or proposal is submitted; it will be considered untimely. All protests shall set forth in full detail the factual and legal bases for the protest and specific relief sought by the protestor. Protests arising from factual or legal bases that the protestor knew or should have known prior to the submission of the bid/proposal must be submitted within three business days of the submission of the bid/proposal. Protests arising from factual or legal bases that the protestor knew or should have known subsequent to the date the bid/proposal was submitted must be submitted within ten business days after the protestor knew or should have known of such bases, but in no event shall any protest be submitted more than ten business days after the award of the contract. Untimely protests will not be considered by the purchasing agent and will be simply denied as untimely. Decisions on timeliness by the purchasing agent are not appealable. An oral protest or a protest to an official, employee, User Department, or other person apart from the Director of Purchasing & Contract Compliance does not comply.

26. BINDING AUTHORITY

The individual submitting this bid must have binding authority to submit contracts on behalf of the responding company. By submitting a response, Bidder agrees that their bid is an offer to sell. All bidders shall comply with all Fulton County purchasing laws, policies, and procedures, as well as relevant state and federal laws, including compliance with EEOC hiring guidelines and requirements under the Americans with Disabilities Act.

27. SUBMITTALS

The following submittals must be completed and submitted with the Bid Submittal. This checklist is provided to ensure that the Bidder submits certain required information with its Bid.

	Bid Submittal Check Sheet	**Check (√)**
1.	**Bid Form w/Pricing Sheets**	
2.	**Acknowledgment of Addenda**	
3.	**Form A: Non-Collusion Affidavit of Prime Bidder**	
4.	**Form B: Certificate of Acceptance of Bid Requirements**	
5.	**Exhibit A: Promise of Non-Discrimination**	
6.	**Exhibit B: Employment Report**	

END OF SECTION 1

BID FORM W ITH PRICING SHEET(S)

Submitted To: Fulton County Government

Submitted By: _____

For: **14ITBC94503A-CJC, Ductile Iron Pipes and Fittings**

Submitted on _____, 2014

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Bid or in the Contract to be entered into; that this Bid is made without connection with any other person, company or parties making a Bid; and that it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has examined the specifications and has read all instructions to Bidders and General Terms and Conditions furnished prior to the openings of bids; that he has satisfied himself relative to the commodities/goods to be provided.

THE BASE BID IS THE AMOUNT UPON WHICH THE BIDDER WILL BE FORMALLY EVALUATED AND WHICH WILL BE USED TO DETERMINE THE LOWEST RESPONSIBLE BIDDER.

The base bid may not be withdrawn or modified for a period of sixty (60) days following the receipt of bids.

BASE BID AMOUNT (Do not include any Bid Alternates)

$_____
(Dollar Amount in Numbers)

_____
(Dollar Amount in Words)

RESPONSES MUST BE SUBMITTED ONLINE AT www.fultonvendorselfservice.co.fulton.ga.us BY THE DATE AND TIME INDICATED. You must be a registered vendor in order to respond.

The Bidder understands that the quantities shown for the unit prices items are subject to either increase or decrease, and that should the quantities of any of the item(s) be increased, the Bidder proposes to provide the additional item(s) at the unit prices stated herein; and should the quantities be decreased, the Bidder also understands that payment will be made on the basis of actual quantities at the unit price bid and will make no claim for anticipated profits for any decrease in quantities; and that actual quantities will be determined upon receipt of item(s), at which time adjustments will be made to the contract amount by direct increase or decrease.

Item #	Item Description	Unit	Estimated Quantity	Unit Price	Extended Price
	Group A – Ductile Iron Mechanical Joint Fittings				
1	MJ Fittings 3" – 12" with gaskets, fasteners, glands (access.)	Ton (less access)	20		
2	16" MJ sleeve with access.	Each	4		
3	16" MJ tee with access.	Each	4		
4	16" MJ 90 degree bend with access.	Each	4		
5	16" MJ 45 degree bend with access.	Each	4		
6	16" MJ 22.5 degree bend with access.	Each	4		
7	16" MJ swivel hydrant tee with access.	Each	4		

8	16” saddle x 12” MJ outlet w/plug & access.	Each	4		
9	18” MJ sleeve with access.	Each	3		
10	18” MJ tee with access.	Each	3		
11	18” MJ 90 degree bend with access.	Each	3		
12	18” MJ 45 degree bend with access.	Each	3		
13	20” MJ sleeve with access.	Each	2		
14	20” MJ tee with access.	Each	2		
15	20” MJ 90 degree bend with access.	Each	2		
16	20” MJ 45 degree bend with access.	Each	2		
17	24” MJ sleeve with access.	Each	2		
18	24” MJ tee with access.	Each	2		
19	24” MJ 90 degree bend with access.	Each	2		
20	24” MJ 45 degree bend with access.	Each	2		

21	24” MJ swivel hydrant tee with access.	Each	2		
22	24” saddle x 12” MJ outlet w/plug access.	Each	2		
23	30” MJ sleeve with access.	Each	1		
24	30” MJ tee with access.	Each	1		
25	30” MJ 90 degree bend with access.	Each	1		
26	30” MJ 45 degree bend with access.	Each	1		
27	30” MJ swivel hydrant tee with access.	Each	1		
28	36” MJ sleeve with access.	Each	1		
29	36” MJ tee with access.	Each	1		
30	36” MJ 90 degree bend with access.	Each	1		
31	36” MJ 45 degree bend with access.	Each	1		
32	MJ Full Tapping Sleeve and Tapping Valve 6”x 6”	Each	2		
33	MJ Full Tapping Sleeve and Tapping Valve 8” x 6”	Each	10		

34	MJ Full Tapping Sleeve and Tapping Valve 8” x 8”	Each	10		
35	MJ Full Tapping Sleeve and Tapping Valve 10” x 6”	Each	5		
36	MJ Full Tapping Sleeve and Tapping Valve 10” x 8”	Each	5		
37	MJ Full Tapping Sleeve and Tapping Valve 10” x 10”	Each	2		
38	MJ Full Tapping Sleeve and Tapping Valve 12” x 6”	Each	3		
39	MJ Full Tapping Sleeve and Tapping Valve 12” x 8”	Each	3		
40	MJ Full Tapping Sleeve and Tapping Valve 12” x 10”	Each	2		
41	MJ Full Tapping Sleeve and Tapping Valve 12” x 12”	Each	2		
42	MJ Full Tapping Sleeve and Tapping Valve 16” x 6”	Each	2		
43	MJ Full Tapping Sleeve and Tapping Valve 16” x 8”	Each	2		
44	MJ Full Tapping Sleeve and Tapping Valve 16” x 10”	Each	1		
45	MJ Full Tapping Sleeve and Tapping Valve 16” x 12”	Each	1		

	Group B – Ductile Iron Standard Flanged Fittings				
46	3” flange x flange 90 degree bend w/full face gaskets/fasteners	Each	4		
47	4” flange x flange 90 degree with full face gaskets/fasteners	Each	4		
48	6” flange x flange 90 degree with full face gaskets and fasteners	Each	100		
49	6” flange x flange 45 degree bend with full face gaskets and fasteners	Each	4		
50	6” flange tee with full face gaskets and fasteners	Each	100		
51	8” flange x flange 90 degree bend with full face gaskets and fasteners	Each	100		
52	8” flange x flange 45 degree bend with full face gaskets and fasteners	Each	4		
53	8” flange tee with full face gaskets and fasteners	Each	100		
54	10” flange x flange 90 degree bend with full face gaskets and fasteners	Each	10		
55	10” flange x flange 45 degree bend with full face gaskets and fasteners	Each	2		

56	10” flange tee with full face gaskets and fasteners	Each	10		
57	12” flange x flange 90 degree bend with full face gaskets and fasteners	Each	4		
58	12” flange x flange 45 degree bend with full face gaskets and fasteners	Each	1		
59	12” flange tee with full face gaskets and fasteners	Each	4		
60	3” flange x plain end spool piece 48”	Each	4		
61	4” flange x plain end spool piece 48”	Each	4		
62	6” flange x plain end spool piece 72”	Each	60		
63	8” flange x plain end spool piece 72”	Each	60		
64	10” flange x plain end spool piece 72"	Each	3		
65	12” flange x plain end spool piece 72”	Each	2		
66	16” flange x plain end spool piece 72”	Each	1		

	Group C – Ductile iron wedge action retainer glands, Uni-Flange series 1400, EBBA Megalug, MJ Field Lok or approved equal				
67	4” retainer gland w/access.	Each	5		
68	6” retainer gland w/access.	Each	10		
69	8” retainer gland w/access.	Each	25		
70	10” retainer gland w/access.	Each	15		
71	12” retainer gland w/access.	Each	10		
72	16” retainer gland w/access.	Each	5		
73	18” retainer gland w/access.	Each	5		
74	20” retainer gland w/access.	Each	5		
75	24” retainer gland w/access.	Each	3		
	Group D – Ductile iron, split ring megalug or approved equal				

76	3” split ring megalug & access.	Each	5		
77	4” split ring megalug & access.	Each	10		
78	6” split ring megalug & access.	Each	20		
79	8” split ring megalug & access.	Each	20		
80	10” split ring megalug & access.	Each	15		
81	12” split ring megalug & access.	Each	10		
82	16” split ring megalug & access.	Each	10		
83	18” split ring megalug & access.	Each	5		
84	20” split ring megalug & access.	Each	5		
85	24” split ring megalug & access.	Each	5		
	Group E – Ductile iron pipe, socket & spigot, per pressure class as listed in specifications (see Section 4)				
86	4” diameter	Linear Feet	200		

87	6” diameter	Linear Feet	500		
88	6” diameter with protecto 401 coating	Linear Feet	2,000		
89	8” diameter	Linear Feet	4,000		
90	8” diameter with protecto 401 coating	Linear Feet	2,000		
91	10” diameter	Linear Feet	5,000		
92	10” diameter with protecto 401 coating	Linear Feet	1,000		
93	12” diameter, estimated usage,	Linear Feet	6,000		
94	12” diamteter with protecto 401 coating	Linear Feet	2,000		
95	16” diameter	Linear Feet	7,000		
96	16” diameter with protecto 401 coating	Linear Feet	2,000		
97	18” diameter	Linear Feet	1,000		
98	18” diameter with protecto 401 coating	Linear Feet	200		
99	20” diameter	Linear Feet	1,000		

100	20” diameter with protecto 401 coating	Linear Feet	200		
101	24” diameter	Linear Feet	1,000		
102	24” diameter with protecto 401 coating	Linear Feet	500		
103	4” restraining joint and gasket	Each	100		
104	6” restraining joint and gasket	Each	100		
105	8” restraining joint and gasket	Each	150		
106	10” restraining joint and gasket	Each	150		
107	12” restraining joint and gasket	Each	200		
108	16” restraining joint and gasket	Each	200		
109	18” restraining joint and gasket	Each	100		
110	20” restraining joint and gasket	Each	100		
111	24” restraining joint and gasket	Each	50		
112	30” restraining joint and gasket	Each	50		

113	36” restraining joint and gasket	Each	50		
	Group F – Stainless Steel Products Full Circle Repair Clamp (diameter x length)				
114	6” x 12”	Each	10		
115	8” x 12”	Each	20		
116	8” X 20”	Each	20		
117	10” X 12”	Each	20		
118	10” x 20”	Each	20		
119	12” x 12”	Each	20		
120	12” x 14”	Each	20		
121	12” x 20”	Each	20		
122	16” x 20”	Each	20		
123	24” x 20”	Each	10		

124	36” x 20”	Each	5		
	Group G – Stainless Steel Products Full Circle Service Seals (diameter x length)				
125	3/4” cc thread 8” x 12”	Each	20		
126	3/4” cc thread 8” x 20”	Each	20		
127	3/4” cc thread 10” x 12”	Each	20		
128	3/4” cc thread 10” x 20”	Each	20		
129	3/4” cc thread 12” x 12”	Each	20		
130	3/4” cc thread 12” x 20”	Each	20		
131	1” cc thread 8” x 12”	Each	20		
132	1” cc thread 8” x 20”	Each	20		
133	1” cc thread 10” x 12”	Each	20		
134	1” cc thread 10” x 20”	Each	20		

135	1" cc thread 12" x 12"	Each	20		
136	1" cc thread 12" x 20"	Each	20		
	Total (Lines 1 – 136)				**$_____**

RESPONSES MUST BE SUBMITTED ONLINE AT www.fultonvendorselfservice.co.fulton.ga.us. BY THE DATE AND TIME INDICATED. You must be a registered vendor in order to respond.

Bidder shall submit pricing exactly as directed. Bidder shall provide pricing on each of the items in all Groups. Failure to comply will deem the bidder non-responsive and bid disqualified.

In the case of computational errors, the correct product of Estimated Quantities and Unit Prices shall equal the (Total) Extended Price for each Item and correct sum of Extended Price for all Items shall be the Total Bid Amount.

The Contract, if awarded, will be awarded on the basis of the Total Base Bid Amount to the lowest responsive and responsible bidder.

Failure to provide a bid unit price for any item shall be considered an incomplete bid and the bidder non-responsive."

This is an indefinite quantity indefinite delivery contract. The pricing form(s) are used to establish lowest bidder and the unit price for items. The actual dollar amount of the contract awarded will be based upon funds budgeted and available. No minimum quantity of materials is guaranteed to be purchased under this contract.

Quantities presented are estimated annual quantities. All quantities shown in the scope of work are subject to adjustment by either increase or decrease, and should the quantities of any of the items be increased, the Contractor agrees to do the additional work at the unit prices stated herein; and should the quantities be decreased, the Contractor also understands that payment will be made on actual quantities at the unit price bid and will make no claim for anticipated profits for any decrease in the quantities, and that actual quantities will be determined upon completion of work, at which time adjustment will be made to the contract amount by direct increase or decrease.

The undersigned acknowledges receipt of the following addenda (list by the number and date appearing on each addendum) and thereby affirms that its Bid considers and incorporates any modifications to the originally issued Bidding Documents included therein.

ADDENDUM # _____ DATED _____

ADDENDUM # _____ DATED _____

ADDENDUM # _____ DATED _____

ADDENDUM # _____ DATED _____

BIDDER: _____

Signed by: _____
[Type or Print Name]

Title: _____

Business Address: _____

_____

_____

Business Phone: _____

Note: If the Bidder is a corporation, the Bid shall be signed by an officer of the corporation; if a partnership, it shall be signed by a partner. If signed by others, authority for signature shall be attached.

The full name and addresses of persons or parties interested in the foregoing Bid, as principals, are as follows:

Name	***Address***

END OF SECTION 2

FORM 1: NON-COLLUSION AFFIDAVIT OF BIDDER/OFFEROR

STATE OF GEORGIA

COUNTY OF FULTON

I, _____certify that pursuant to Fulton County Code Section 2-320 (11), this bid or proposal is made without prior understanding, agreement or connection with any corporation, firm or person submitting a bid for the same work, labor or service to be done or the supplies, materials or equipment to be furnished and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of state and federal law and can result in fines, prison sentences and civil damages awards. I agree to abide by all conditions of this bid or proposal and certify that I am authorized to sign this bid or proposal for the bidder.

Affiant further states that pursuant to O.C.G.A. Section 36-91-21 (d) and (e), _____ has not, by itself or with others, directly or indirectly, prevented or attempted to prevent competition in such bidding or proposals by any means whatsoever. Affiant further states that (s)he has not prevented or endeavored to prevent anyone from making a bid or offer on the project by any means whatever, nor has Affiant caused or induced another to withdraw a bid or offer for the work.

Affiant further states that the said offer of _____ is bona fide, and that no one has gone to any supplier and attempted to get such person or company to furnish the materials to the bidder only, or if furnished to any other bidder, that the material shall be at a higher price.

_____
(COMPANY NAME)

_____
(PRESIDENT/VICE PRESIDENT)

Sworn to and subscribed before me this _____ day of _____, 20__.

_____
(SECRETARY/ASSISTANT SECRETARY)

(Affix corporate seal here, if a corporation)

Notary Public: _____

County: _____

Commission Expires: _____

NOTE:

IF THE OFFEROR IS A PARTNERSHIP, ALL OF THE PARTNERS AND ANY OFFICER, AGENT, OR OTHER PERSON WHO MAY HAVE REPRESENTED OR ACTED FOR THEM IN BIDDING FOR OR PROCURING THE CONTRACT SHALL ALSO MAKE THIS OATH.

IF THE OFFEROR IS A CORPORATION, ALL OFFICERS, AGENTS, OR OTHER PERSONS WHO MAY HAVE ACTED FOR OR REPRESENTED THE CORPORATION IN BIDDING FOR OR PROCURING THE CONTRACT SHALL MAKE THE OATH.

FORM 2: FULTON COUNTY CERTIFICATE OF ACCEPTANCE OF BID/PROPOSAL REQUIREMENTS

This is to certify that on this day, offeror acknowledges that he/she has read this solicitation document, pages #_____ to #_____ inclusive, including any addenda # to #_____ exhibit(s) #____ to #_____, attachment(s) #_____ to #_____, and/or appendices #_____ to #,_____in its entirety, and agrees that no pages or parts of the document have been omitted, that he/she understands, accepts and agrees to fully comply with the requirements therein, and that the undersigned is authorized by the offeror to submit the proposal herein and to legally obligate the offeror thereto.

This is also to certify that the offeror has reviewed the form Fulton County contract included in the solicitation documents and agrees to be bound by its terms, or that the offeror certifies that it is submitting any proposed modification to the contract terms with its proposal. The offeror further certifies that the failure to submit proposed modifications with the proposal waives the offeror's right to submit proposed modifications later. The offeror also acknowledges that the indemnification and insurance provisions of Fulton County's contract included in the solicitation documents are non-negotiable and that proposed modifications to said terms may be reason to declare the offeror's proposal as non-responsive.

Company: _____

Signature: _____

Name: _____

Title: _____

Date: _____

(Corporate Seal)

FORM 3: PROMISE OF NON-DISCRIMINATION

"Know all persons by these presents, that I/We (_____),
Name

_____ _____
Title Firm Name

Hereinafter "Company", in consideration of the privilege to bid on or obtain contracts funded, in whole or in part, by Fulton County, hereby consent, covenant and agree as follows:

1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin or gender in connection with any bid submitted to Fulton County for the performance of any resulting there from,

2) That it is and shall be the policy of this Company to provide equal opportunity to all businesses seeking to contract or otherwise interested in contracting with this Company without regard to the race, color, gender or national origin of the ownership of this business,

3) That the promises of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption,

4) That the promise of non-discrimination as made and set forth herein shall be made a part of, and incorporated by reference into, any contract or portion thereof which this Company may hereafter obtain,

5) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the Board to declare the contract in default and to exercise any and all applicable rights and remedies, including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and/or forfeiture of compensation due and owning on a contract; and

6) That the bidder shall provide such information as may be required by the Director of Contract Compliance pursuant to Section 4.4 of the Fulton County Non-Discrimination in Purchasing and Contracting Ordinance.

SIGNATURE:_____

ADDRESS:_____

_____

TELEPHONE NUMBER:_____

FORM 4 – EMPLOYMENT REPORT

The demographic employment make-up for the business submitting this Quote must be identified and submitted with this bid. In addition, if any lower tier supplier(s) will be utilized by the bidder to provide the goods/commodities requested, the demographic employment make-up of the lower tier supplier(s) must be identified and submitted with your response.

JOB CATEGORIES	WHITE (Not Hispanic Origin)		BLACK or AFRICAN AMERICAN (Not of Hispanic Origin)		HISPANIC or LATINO		AMERICAN INDIAN or ALASKAN NATIVE (AIAN)		ASIAN		NATIVE HAWAIIAN or OTHER PACIFIC ISLANDER (NHOP)		TWO or MORE RACES	
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
EXECUTIVE/SENIOR LEVEL OFFICIALS and MANAGERS														
FIRST/MID LEVEL OFFICIALS MANAGERS														
PROFESSIONALS														
TECHNICIANS														
SALES WORKERS														
ADMINISTRATIVE SUPPORT WORKERS														
CRAFT WORKERS														
OPERATIVES														
LABORERS & HELPERS														
SERVICE WORKERS														
TOTAL														

Do you intend to utilize lower tier suppliers? Yes □ No □

If **yes**, list each _____ _____ _____

Please identify if your business is 51% owned, operated and controlled by either of the following:

African- American □ Hispanic-American □ American-Indian □ Asian □ Native-Hawaiian □

Pacific Islander □ or; owned by a Non-Minority □

Firm's Name: _____

Address: _____

Phone: _____

Email Address: _____

Submitted by: _____

Date: _____

SECTION 4

SCOPE OF WORK TECHNICAL SPECIFICATIONS

PRODUCT SPECIFICATIONS

All ductile iron pipes, fittings, tapping sleeves, tapping valves, etc. shall be manufactured within the United States. Pipe shall be designed in accordance with the latest revisions of American National Standards Institute Specification A21-50 (American Water Works Association C-150) and conform to requirements of A21.51/American Water Works Association C-151, latest standards. Pipe shall meet the following minimum pressure class as listed below:

Size	Class	Metal Thickness
4”	350	.25”
6”	350	.25”
8”	350	.25”
10”	350	.26”
12”	350	.28”
16”	250	.30”
18”	250	.31”
24”	200	.33”
30”	200	.38”
36”	200	.42”
42”	200	.47”
48”	200	.51”
54”	200	.57”

All pipes shall be tested per American Water Works Association standards to 500 PSI for a period of not less than 10 seconds.

The pressure rating, metal thickness class, net weight of pipe without lining, length of pipe, and name of manufacturer shall be clearly marked on each length of pipe.

Pipe shall be cement lined and seal coated as the standard coating in accordance with the latest revision of American Water Works Association specification C104. Thickness of cement lining shall not be less than the thickness specified under Section 4-10. Provisions of Section 4-14 relating to characteristics of bituminous seal coat as to deleterious effect upon the quality, color, taste of odor imparted to potable water shall be strictly observed.

As an option, the interior pipe surface shall be coated with Protecto 401 Ceramic Epoxy. The material shall be an amine cured Novalac Epoxy containing at least 20% by volume of ceramic quartz pigment. The area to receive the coating shall be prepared by solvent cleaning.

Joints for ductile iron pipe shall be push-on type joints conforming to American National Standards Institute A21.11/American Water Works Association C111 equal to Fastite, Tyton or Bell-tite with locking gaskets equal to Field Lok or American Fast-Grip or approved equal and lubricant conforming to federal specification Ww-p-421. Joints shall be so designed that when the pipe is laid and the joint completed, the gasket will be completely enclosed. The rubber gasket shall be the sole element dependent upon for water tightness.

Mechanical joints for fittings shall conform to the latest revision of American Water Works Association specification C111.

All fittings 4" through 12" shall be standard short body fittings conforming to the latest revision of American Water Works Association specification C153 for 250 PSI water pressure. All MJ fittings shall be furnished complete with bolts, nuts follower glands and gaskets. All push-on fittings shall be furnished complete with retainer gaskets and ample lubricant based on joint size. Fittings to be double thickness cement lined and seal coated in accordance with the latest revision of American Water Works Association specification c104. Provisions of Section 4-14 relating to characteristics of bituminous seal coat as to deleterious effect upon the quality, color, taste, or odor imparted to potable water shall be strictly observed. Payment for fittings shall be on the basis on American Water Works Association C110 published body weights for mechanical joint fittings, not including accessories and not including cement lining weights.

SPECIFICATION FOR M.J. TYPE TAPPING SLEEVE & TAPPING VALVE

Tapping sleeves shall be of a full sleeve type capable of containing pressure within the full volume of the sleeve. Sleeve shall be mechanical joint suitable for use with Class AB or CD cast iron pipe or ductile iron pipe. Sleeve shall be rated at 200 PSI water working pressure through 12" size and 150 PSI for sleeves 14" through 18". Flanged throat section of mechanical joint sleeves through 12" size shall conform to MSS-SP60 standard. For throat sections larger than 12", flanged section shall mate valves of the same manufacture as sleeves. All cast iron shall conform to ASTM A-126, Class B. Casting shall be clean and sound without defects that will impair their service. No plugging or welding of such defects will be allowed. Bolts, nuts, and gaskets shall be in accordance with mechanical joint requirements of AWAA C-111. Tapping sleeves shall be capable of withstanding their rated working pressure without leakage past the side gaskets and end gaskets of the sleeve. Sleeves shall be supplied with split end gaskets and two piece glands. Side flange rubber gaskets shall butt against the rubber end gaskets affecting a totally water tight seal. Side and end bolts shall be of a t-head design. The throat flange shall be so designed as to afford centering of the tapping valve to the sleeve. Tapping sleeve shall be equipped with a test plug. Inside and outside of all tapping sleeves shall be coated in accordance with American Water Works Association standards and federal specifications TT-C-494A or equal. Sleeves shall be marked with name of manufacturer and size (run x branch).

Tapping valves shall be resilient seat type with bodies and bonnets made of ductile iron for 250 p.s.i.g. working pressure. The mating valve flange to the tapping sleeve outlet must have a raised male face, conforming to MSS SP-60, to ensure true alignment of valve and tapping sleeve. The outlet end of the valve shall have the desired joint connection for the intended pipe.

All interior and exterior ferrous surfaces shall be protected against corrosion by fusion-bonded-epoxy coating. Coating shall be applied prior to assembly to assure coverage of all exposed areas, including bolt holes.

4"-48" shall accept full-size shell cutter

4" through 36" valves meet or exceed requirements of ANSI/AWWA C515.
4" through 16" valves shall be UL Listed and FM approved.
4" through 48" valves have 250 p.s.i.g. AWWA rated working pressure.

4" through 12" valves have 250 p.s.i.g. UL and FM rated working pressure.
14" and 16" valves have 200 p.s.i.g. UL and FM rated working pressure.
Fusion-bonded-epoxy coating meets or exceeds requirements of ANSI/AWWA C550.
Mechanical joint ends are in accordance with ANSI/AWWA C153/A21.53 and MSS SP-113.
Bolt patterns of flanged ends are in accordance with ANSI/AWWA C110/A21.10.
Raised pilot dimensions of flanged ends on tapping valves are in accordance with MSS SP-60.
Tapping valves are supplied with flanged-end hardware, including bolts, nuts, ring-type gasket.
The flanged-end bolting is furnished standard in 304 stainless steel.

SPECIFICATION FOR STAINLESS STEEL REPAIR CLAMP

The repair clamp will be constructed of Grade 18-8, type 304 stainless steel and will feature 5/8" stainless steel bolts with heavy hex nuts. The bolt threads must have special Flouro-carbon coating heat treated to prevent galling. Each nut and bolt will also be provided with a Nylatron GS washer to provide graphite-assisted lubrication. Stainless steel lifter bars will be incorporated in the design of the tapping sleeve to provide even torque distribution. (Nylatron GS is a registered trademark of the polymer corporation). The sleeve will be furnished with a gridded rubber gasket consisting of gbr compounded for water service meeting ASTM D200080M-4AA607. The gasket will provide 360 degree circumferential support and will have 16 gauge stainless steel armors, 2.25 inches wide, vulcanized in place to span the gap between the two tapping sleeve section. Each sleeve, up through 12" will be factory tested at 300 PSI. Each sleeve will be furnished with a 3/4" brass test port with a square head for each use. The flange will conform to American Water Works Association C207, Class D-ANSI 150 pound drilling and will be stainless steel recessed to accept standard tapping valves (optional carbon steel flanges may be supplied upon request.) All stainless steel welds used in the construction of the sleeve will conform to AWS Codes and will treated in order to return the surrounding stainless steel material to its original corrosive resistant condition. Sleeves furnished will be as manufactured by the Ford Meter Box Company, Inc., or approved equal.

SPECIFICATION FOR SPLIT RING RESTRAINT

Split ring restraints shall have a minimum safety factor of 2 to 1 and shall be constructed of ASTM A536 Ductile Iron.

Specification for retainer glands:

Mechanical joint restraint shall be incorporated in the design of the follower gland and shall include a restraining mechanism which, when actuated, imparts multiple wedging action against the pipe, increasing its resistance as the pressure increases. Flexibility of the joint shall be maintained after burial. Glands shall be manufactured of ductile iron conforming to ASTM a 536-80. Restraining devices shall be of ductile iron heat treated to a minimum hardness of 370 BHN. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to ANSI/American Water Works Association A21.11 and ANSI/American Water Works Association C153/A21.53 of latest revision. Twist-Off nuts shall be used, where applicable, to insure proper actuating of the restraining devices. The mechanical joint restraint device shall have a working pressure of at least 250 PSI with a minimum safety factor of 2:1 and shall be EBAA iron, inc., Megalug, MJ Field Lok or equal.

WARRANTIES

Assignment of Manufacturers' Warranties Without limiting the responsibility or liability of the Contractor pursuant to this agreement, all warranties given by manufacturers on materials or equipment incorporated in the work are hereby assigned by the Contractor to the County. If requested, the Contractor shall execute formal assignments of said manufacturer's warranties to the County. All such warranties shall be directly enforceable by the County.

SECTION 5

SPECIAL CONDITIONS

The Contract, if awarded, will be awarded on the basis of the Total Base Bid Amount to the lowest responsive and responsible bidder

Failure to provide a bid unit price for any item shall be considered an incomplete bid and the bidder non-responsive."

This is an indefinite quantity indefinite delivery contract. The pricing form(s) are used to establish lowest bidder and the unit price for items. The actual dollar amount of the contract awarded will be based upon funds budgeted and available. No minimum quantity of materials is guaranteed to be purchased under this contract.

Quantities presented are estimated annual quantities. All quantities shown in the scope of work are subject to adjustment by either increase or decrease, and should the quantities of any of the items be increased, the Contractor agrees to do the additional work at the unit prices stated herein; and should the quantities be decreased, the Contractor also understands that payment will be made on actual quantities at the unit price bid and will make no claim for anticipated profits for any decrease in the quantities, and that actual quantities will be determined upon completion of work, at which time adjustment will be made to the contract amount by direct increase or decrease.