

CITY OF ANN ARBOR
INVITATION TO BID



2026 Utility Infrastructure Materials

ITB No. 4782

Due Date: March 12, 2026 at 11:00 AM (Local Time)

Public Services/Public Works

Issued By:

City of Ann Arbor
Procurement Unit
301 E. Huron Street
Ann Arbor, MI 48104

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ATTACHMENTS

- City of Ann Arbor Standard Purchase Order Terms and Conditions*
- City of Ann Arbor Vendor Conflict of Interest Disclosure Form*
- City of Ann Arbor Non-Discrimination Ordinance Declaration Form and Notice*

INSTRUCTIONS TO BIDDERS

General

The City of Ann Arbor's Procurement Office is soliciting bids for the purchase of utility infrastructure materials based on the specifications provided herein. The pricing provided for this ITB shall be firm for one (1) year, May 15, 2026 through May 15, 2027. Upon mutual agreement between the City and the vendor the pricing provided in this ITB may be extended for one (1) additional one (1) with a price escalation of 5% in the second year period not to exceed two (2) years in total.

Any Bid which does not conform fully to these instructions may be rejected.

Preparation of Bids

Bids should be prepared providing a straight-forward, concise description of the Bidder's ability to meet the requirements of the ITB. Bids shall be written in ink or typewritten. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed and dated in ink by the person signing the Bid.

Bids must be submitted on the "Bid Forms" provided with each blank properly filled in. If forms are not fully completed it may disqualify the bid. No alternative bid will be considered unless alternative bids are specifically requested. If alternatives are requested, any deviation from the specification must be fully described, in detail on a clearly marked "Alternate" section of Bid form.

Each person signing the Bid certifies that he/she is the person in the Bidder's firm/organization responsible for the decision as to the fees being offered in the Bid and has not and will not participated in any action contrary to the terms of this provision.

Questions or Clarifications / Designated City Contacts

All questions regarding this ITB shall be submitted via email. Emailed questions and inquires will be accepted from any and all prospective Bidders in accordance with the terms and conditions of the ITB.

All questions shall be due on or before **March 2, 2026 @ 11:00 a.m. (local time)** and should be addressed as follows:

Specification/Scope of Work questions emailed to Robert West, RWest@a2gov.org

Bid Process and Compliance questions emailed to Colin Spencer, CSpencer@a2gov.org

Any error, omissions or discrepancies in the specification discovered by a prospective contractor and/or service provider shall be brought to the attention of Colin Spencer at cspencer@a2gov.org after discovery as possible. Further, the contractor and/or service provider shall not be allowed to take advantage of errors, omissions or discrepancies in the specifications.

Addenda

If it becomes necessary to revise any part of the ITB, notice of the Addendum will be posted to Michigan Inter-governmental Trade Network (MITN) www.mitn.info and/or City of Ann Arbor web site www.A2gov.org for all parties to download.

Each Bidder must in its Bid, to avoid any miscommunications, acknowledge all addenda which it has received, but the failure of a Bidder to receive, or acknowledge receipt of; any addenda shall not relieve the Bidder of the responsibility for complying with the terms thereof.

The City will not be bound by oral responses to inquiries or written responses other than written addenda.

Bid Submission

All Bids are due and must be delivered to the City of Ann Arbor Procurement Unit on or before **March 12, 2026 at 11:00 a.m. (Local time)**. Bids submitted late or via oral, telephonic, telegraphic, electronic mail or facsimile **will not** be considered or accepted.

Each Bidder must submit one (1) original Bid and one (1) Bid copy in a sealed envelope clearly marked: ITB No. 4782 – 2026 Utility Infrastructure Materials.

- **one (1) original printed bid on paper**
- **one USB/flash drive that contains:**
 - one (1) digital copy of the bid preferably as one file in PDF format**
 - one (1) digital copy of Bid Form preferably as one file in Excel format.**

A blank Bid Form in Excel spreadsheet form for this project can be provided by the project manager (rwest@a2gov.org) for your use.

Bids must be addressed and delivered to:

City of Ann Arbor
Procurement Unit,
c/o Customer Services, 1st Floor
301 East Huron Street
Ann Arbor, MI 48104

All Bids received on or before the Due Date will be publicly opened and recorded immediately. No immediate decisions are rendered.

The following forms provided within this ITB Document should be included in submitted bids.

- **Vendor Conflict of Interest Disclosure Form**
- **City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance**

Bids that fail to provide these forms listed above upon bid opening may be rejected as non-responsive and may not be considered for award.

Hand delivered bids may be dropped off in the Purchasing drop box located in the Ann Street (north) vestibule/entrance of City Hall which is open to the public Monday through Friday from 8am to 5pm (except holidays). The City will not be liable to any Bidder for any unforeseen circumstances, delivery or postal delays. Postmarking to the Due Date will not substitute for receipt of the Bid. Each Bidder is responsible for submission of their Bid.

Additional time for submission of bids past the stated due date and time will not be granted to a single Bidder; however, additional time may be granted to all Bidders when the City determines in its sole discretion that circumstances warrant it.

Award

The City intends to award a Contract/Purchase Order to the lowest responsible Bidder(s) providing the best value to the City. The City may, at its sole discretion, award line-by-line in the best interest of value to the City.

Responsible bidder means a bid submitted, which conforms in all aspects of the requirements set forth in the invitation to bid. All aspects could include references, past experience, past performance, and qualifications.

Official Documents

The City of Ann Arbor officially distributes bid documents from the Procurement Unit or through the Michigan Intergovernmental Trade Network (MITN). Copies of the bid documents obtained from any other source are not Official copies. Addenda and other bid information will only be posted to these official distribution sites. If you obtained City of Ann Arbor Bid documents from other sources, it is recommended that you register on www.MITN.info and obtain an official Bid.

Taxes

Municipalities are exempt from Michigan State Sales and Federal Excise taxes. Do not include such taxes in the bid figure(s). The City will furnish the successful bidder with tax exemption certificates when requested.

Withdrawal of Bids

After the time of opening, no Bid may be withdrawn for the period of one-hundred and twenty (120) days.

Non-Discrimination Requirements

All contractors proposing to do business with the City shall satisfy the non-discrimination administrative policy adopted by the City Administrator in accordance with the Section 9:158 of the Ann Arbor City Code. Breach of the obligation not to discriminate shall be a material breach of the contract. Contractors are required to post a copy of Ann Arbor's Non-Discrimination Ordinance attached at all work locations where its employees provide services under a contract with the City.

Conflict Of Interest Disclosure

The City of Ann Arbor Purchasing Policy requires that prospective Vendors complete a Conflict of Interest Disclosure form. A contract may not be awarded to the selected Vendor unless and until the Procurement Unit and the City Administrator have reviewed the Disclosure form and determined that no conflict exists under applicable federal, state, or local law or administrative regulation. Not every relationship or situation disclosed on the Disclosure Form may be a disqualifying conflict. Depending on applicable law and regulations, some contracts may awarded on the recommendation of the City Administrator after full disclosure, where such action is allowed by law, if demonstrated competitive pricing exists and/or it is determined the award is in the best interest of the City. A copy of the Vendor Conflict of Interest Disclosure Form is attached.

Debarment

Submission of a Bid in response to this ITB is certification that the Bidder is not currently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from participation in this transaction by any State or Federal departments or agency. Submission is also agreement that the City will be notified of any changes in this status.

Disclosures

After bids are opened, all information in a submitter's bid is subjected to disclosure under the provisions of Michigan Public Act No. 442 of 1976, as amended (MCL 15.231 et seq.) known as the "Freedom of Information Act." The Freedom of Information Act also provides for the complete disclosure of contracts and attachments thereto except where specifically exempted.

Bid Protest

All Bid protests must be in writing and filed with the Purchasing Agent within five (5) business days of the award action. The bidder must clearly state the reasons for the protest. If a bidder contacts a City Service Area/Unit and indicates a desire to protest an award, the Service Area/Unit shall refer the bidder to the Purchasing Agent. The Purchasing Agent will provide the bidder with the appropriate instructions for filing the protest. The protest shall be reviewed by the City Administrator or designee whose decision shall be final.

Any inquiries or requests regarding this procurement should be only submitted in writing to the Designated City Contacts provided herein. Attempts by the Offeror to initiate contact with anyone other than the Designated City Contacts provided herein that the prospective Offeror believes can influence the procurement decision, e.g., Elected Officials, City Administrator, Selection Committee Members, Appointed Committee Members, etc., may lead to immediate elimination from further consideration.

Cost Liability

The City of Ann Arbor assumes no responsibility or liability for costs incurred by the Bidder prior to the execution of a contract with the City. By submitting a bid, a bidder agrees to bear all costs incurred or related to the preparation, submission and selection process for the bid.

Reservation of Rights

The City of Ann Arbor reserves the right to accept any bid or alternative bid proposed in whole or in part, to reject any or all bids or alternatives bids in whole or in part and to waive irregularity and/or informalities in any bid and to make the award in any manner deemed in the best interest of the City.

Environmental Commitment

The City of Ann Arbor recognizes its responsibility to minimize negative impacts on human health and the environment while supporting a vibrant community and economy. The City further recognizes that the products and services the City buys have inherent environmental and economic impacts and that the City should make procurement decisions that embody, promote and encourage the City's commitment to the environment.

The City strongly encourages potential vendors to bring forward tested, emerging, innovative, and environmentally preferable products and services that are best suited to the City's environmental principles. This includes products and services such as those with lower greenhouse gas emissions, high recycled content, without toxic substances, those with high reusability or recyclability, those that reduce the consumption of virgin materials, and those with low energy intensity.

As part of its environmental commitment, the City reserves the right to award a contract to the most responsive and responsible bidder, which includes bids that bring forward products or services that help advance the City's environmental commitment. In addition, the City reserves the right to request that all vendors report their annual greenhouse gas emissions, energy consumption, miles traveled, or other relevant criteria in order to help the City more fully understand the environmental impact of its procurement decisions.

INVITATION TO BID

City of Ann Arbor
Guy C. Larcom Municipal Building
Ann Arbor, Michigan 48107

Ladies and Gentlemen:

The undersigned, as Bidder, declares that this Bid is made in good faith, without fraud or collusion with any person or persons bidding on the same Contract; that this Bidder has carefully read and examined the bid documents, including City Nondiscrimination requirements, Vendor Conflict of Interest Form, Instructions to Bidders, Bid Forms, Purchase Order Terms and Conditions, General Conditions, Detailed Specifications, and all Addenda, and understands them. The Bidder declares that it conducted a full investigation of the work proposed and is fully informed as to the nature of the work and the conditions relating to the work's performance.

The Bidder acknowledges that it has not received or relied upon any representations or warrants of any nature whatsoever from the City of Ann Arbor, its agents or employees, and that this Bid is based solely upon the Bidder's own independent business judgment.

In accordance with these bid documents, and Addenda numbered _____, the undersigned, as Bidder, proposes to deliver to the City all product/services herein described for the amounts set forth in the Bid Forms.

The Bidder declares that it has become fully familiar with the liquidated damage clauses for completion times and for compliance with City Code Chapter 112, understands and agrees that the liquidated damages are for the non-quantifiable aspects of non-compliance and do not cover actual damages that may be shown and agrees that if awarded the Contract, all liquidated damage clauses form part of the Contract.

Bidder further agrees that the cited provisions of Chapter 14 form a part of this Contract.

The Bidder declares that it has become familiar with the City Conflict of Interest Disclosure Form and certifies that the statement contained therein is true and correct.

In submitting this Bid, it is understood that the right is reserved by the City to accept any Bid, to reject any or all Bids, to waive irregularities and/or informalities in any Bid, and to make the award in any manner the City believes to be in its best interest.

SIGNED THIS _____ DAY OF _____, 202__.

Bidder's Name

Authorized Signature of Bidder

Official Address

(Print Name of Signer Above)

Telephone Number

Email Address for Award Notice

LEGAL STATUS OF BIDDER

(The Bidder shall fill out the appropriate form and strike out the other three.)

Bidder declares that it is:

* A corporation organized and doing business under the laws of the State of _____, for whom _____, bearing the office title of _____, whose signature is affixed to this Bid, is authorized to execute contracts.

NOTE: If not incorporated in Michigan, please attach the corporation's Certificate of Authority

• A limited liability company doing business under the laws of the State of _____, whom _____ bearing the title of _____ whose signature is affixed to this proposal, is authorized to execute contract on behalf of the LLC.

* A partnership, organized under the laws of the state of _____ and filed in the county of _____, whose members are (list all members and the street and mailing address of each) (attach separate sheet if necessary):

* An individual, whose signature with address, is affixed to this Bid: _____
(initial here)

Authorized Official

_____ **Date** _____, 202_

(Print) Name _____ Title _____

Company: _____

Address: _____

Contact Phone () _____ Fax () _____

Email _____

SPECIFICATIONS

UTILITY INFRASTRUCTURE MATERIALS

PART 1 – PRODUCTS

1.1 DUCTILE IRON PIPE AND FITTINGS

- A. Ductile iron pipe shall be push-on joint water main pipe meeting the requirements of ANSI/AWWA C151/A21.51 with double thickness cement mortar lining and asphaltic seal coat meeting ANSI/AWWA C104/A21.4 and coated outside with an asphaltic coating meeting ANSI/AWWA C151/A21.51. Pipe shall meet the thickness requirements of pressure class 350. Push-on joints shall be single gasket joints meeting AWWA specification C111. Pipe shall be manufactured by American, Clow, Griffin, or US Pipe and shipped complete with gasket.
- B. Ductile iron fittings shall meet the requirements of ANSI/AWWA C153/A21.53 for compact fittings or ANSI/AWWA C110/A21.10 for full body fittings. Fittings shall have an internal cement-mortar lining and asphaltic seal coat in accordance within accordance with ANSI/AWWA C104/A21.4. The outside of all fittings shall have an asphaltic coating.
 - 1. All mechanical joint fittings listed in group 1 shall be supplied with standard MJ glands, high strength, low alloy, blue colored, ceramic-filled fluorocarbon resin coated steel bolts and plain rubber mechanical joint gaskets.
- C. Restraint devices for mechanical joint fittings shall consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements of ANSI/AWWA C110/A21.10. The devices shall have a working pressure rating of 350 psi for 3" to 16" and 250 psi for 18" through 48" size. Restraint devices shall be Listed by Underwriters Laboratories (3" through 24" inch size) and Approved by Factory Mutual (3" through 12" inch size). Mechanical joint restraint shall be Megalug Series 1100 produced by EBAA Iron Inc. or approved equal.

1.2 FIRE HYDRANTS

- A. All fire hydrants shall conform to ANSI/AWWA C502 (Dry Barrel Fire Hydrants), and shall have a minimum working pressure of 250 psig.
- B.. Hydrants shall have one 3 3/8 inch threaded Ann Arbor standard pumper connection with 7 1/2 threads per inch and 4.05-inch outside diameter and one 5-inch Storz pumper connection.
- C. A 1 3/8 inch pentagon operating nut and cap nuts shall be utilized (1 3/8 inch point-to flat at top and 1 7/16 inch point-to-flat at base) and shall open left.
- D. A breakable traffic flange shall be utilized.
- E. All hydrants shall have a 6-inch hydrant valve opening with traffic flange and mechanical joint.
- F. No barrel drain shall be utilized.
- H. Hydrants shall be painted red unless separated from the distribution system by an

approved backflow prevention device.

- I. Depth of bury from finished grade to the bottom of the hydrant lead pipe shall generally be 6 feet but may vary depending on specific conditions.
- J. The pumper nozzle shall be 21 inches \pm 3 inches above finished grade.
- K. The breakable traffic flange shall be between finished grade and 8 inches above finished grade.
- L. Fire hydrant extensions used shall be as furnished by manufacturer.
- M. All fire hydrants shall be certified for compliance with NSF/ANSI Standard 61 (Drinking Water System Components – Health Effects).

1.3 GATE VALVES

- A. Resilient seated gate valves shall conform to the requirements of AWWA C509 or C515 and shall have an operator rated for buried service with 2-inch square opening nut, operating right. Gate valves shall be mechanical joint unless otherwise specified in the bid form. Mechanical joints shall meet the requirements of AWWA Specification C111.

1.4 TAPPING SLEEVES

- A. Tapping sleeves and valves shall be designed for water service with a minimum working pressure of 150 psi.
- B. Stainless steel tapping sleeves shall conform to ANSI/AWWA C223, (Fabricated Steel and Stainless-Steel Tapping Sleeves). For size-on-size water taps, where approved per Section I.B.9. (Connecting New Water Mains) item d of this Article, sleeve shall be as directed by PSAA.
- C. Tapping valves shall meet the requirements for resilient seated gate valves as set for in Section II.B.1. (Water Main Location and Required Extension) of this Article and shall have a mechanical joint outlet.

1.5 CURB BOXES

- A. Curb boxes shall be cast Iron Buffalo type, size 95E, screw type with 2.5" diameter shaft, two piece, with extension range 41" to 66". The word "WATER" shall be cast in raised letters on the lid. Curb boxes shall be domestic. Ship only completely assembled units, not separate components. Top half/lid & bottom half shall be screwed together and shipped as a complete unit.
- B. Curb box top half item shall include the curb box top half only. Curb box top halves shall be domestic 95E.
- C. Large curb box bases shall be enlarged for buffalo screw type curb boxes, sized to accommodate a 2" curb stop. Large base curb boxes shall be domestic.
- D. Curb box extensions for buffalo screw type curb box shall be only 9", 16", 28", and 30" domestic.
- E. Repair lids shall be old style outside repair lids for cast iron buffalo screw type curb box with 2.5" diameter shaft. The word "Water" shall be cast in raised letters on top surface of lid.

1.6 GATE BOXES

- A. Gate valve boxes shall be heavy-duty three-piece valve boxes with 5.25" diameter shaft, screw type, #6 base, and extension range from 45" to 66". The word "Water" shall be cast in raised letters on the lid. Quote only Domestic. Gate box complete shall consist of 1-Top section, 1-Bottom section, 1 - 6 Base, 1 - Drop lid.
- B. Gate box extensions shall be heavy duty domestic, 14", 18" and 24".
- C. Gate box fixed risers shall be heavy duty 5-1/4" x 2-14" slip in risers for domestic valve boxes.
- D. Gate box adjustable risers shall be heavy duty screw type domestic.

1.7 EXTENDED RANGE COUPLING

- A. Extended range ductile iron couplings shall be designed for 250 psi working pressure with a ductile iron center ring, ductile iron end rings, SBR rubber gaskets and 304 stainless steel nuts and bolts. Shop coat shall be applied to cast parts for corrosion protection. Coupling shall be Romac XR501 extended range coupling or approved equal. Bid unit pricing must be for long pattern, as short pattern will not be not accepted.

1.8 BRASS FITTINGS

- A. All fittings shall meet the lead-free requirements of the Safe Drinking Water Act.
- B. Straight couplings shall be A.Y. McDonald Model 74755F or equivalent manufactured by Ford or Mueller.
- C. Two part unions shall be copper flare nut by female copper flare thread, A.Y. McDonald Model 74756 or equivalent manufactured by Ford or Mueller.
- D. Tees shall be flare x flare x flare, AY McDonald Model 74760 or equivalent manufactured by Ford or Mueller.
- E. Quarter bends shall be flare x flare, A.Y. McDonald Model 74761 or equivalent manufactured by Ford or Mueller.
- F. Corporations shall be AWWA (CC) x copper flare, A.Y. McDonald Model 74701 or equivalent manufactured by Ford or Mueller.
- G. Saddles shall be brass double strap tapping saddle with 1.5" AWWA taper thread tap for ductile iron water main, Ford 202B, Smith-Blair 323, Mueller BR-2-B, or approved equal.
- H. Curbs stops shall be ball valve, full port, copper flare nut by copper flare nut. Quote only McDonald 76100 or equivalent manufactured by Ford.
- I. Straight copper flare x female copper flare (Piggy Back Nut) couplings shall be A.Y. McDonald Model 74755 or equivalent manufactured by Ford or Mueller.

1.9 WATER METER ACCESSORIES

- A. Meter horns shall be Ford CHSS-244-NL for 3/4" x 1" x 1" meter horns, and Ford CHSS-444-NL for 1" x 1" x 1" meter horns, or equivalent models manufactured by A.Y. McDonald or Mueller.

- B. Tandem resetters shall be Ford Resetter-2A-NL, or equivalent models manufactured by A.Y. McDonald or Mueller.
- C. Meter flanges shall be Dake 2030-LF for 1-1/2" flanges and Dake 2035-LF for 2" flanges, or equivalent models manufactured by Ford, A.Y. McDonald, Mueller, or Grand Haven Meter Coupling.
- D. Meter adapters shall be Ford A12M, or equivalent models manufactured by A.Y. McDonald or Mueller.
- E. Pressure reducing valves shall be Watts model LF5B-Z3.
- F. Reduced pressure zone assemblies shall be Zurn/Wilkins Model 375XL, or approved equal.

1.10 CASTINGS

- A. Castings shall be as specified on the bid form.
- B. Manhole covers for sanitary sewer shall have the word "SEWER" cast in the surface, castings for water shall have the word "WATER" cast into the surface, and castings for storm sewer shall have the word "STORM" cast into the surface.
- C. All castings shall have a black asphaltic coating.
- D. All catch basin and curb inlet castings shall have a trout symbol with the wording "DUMP NO WASTE, DRAINS TO WATERWAYS" cast into the surface.

1.12 STAINLESS STEEL REPAIR CLAMPS

- A. Stainless steel repair clamps shall be ROMAC or Smith-Blair.

BID FORM

VENDOR NAME: _____

Project: ITB# 4782 – 2026 Utility Infrastructure Materials

1. Quantities are only estimates and not guaranteed. Where an estimated quantity of zero (0) is identified, provide a unit price for the material, but do not include in the total bid price.
2. The pricing provided under this ITB shall be firm for one (1) year May 15, 2026 through May 15, 2027. Upon mutual agreement between the City and the vendor the pricing provided in this ITB may be extended for one (1) additional one (1) year period not to exceed two (2) years in total. Each bid group outlined in the bid tab shall include the rate of increase for the optional second year extension.
3. Bidders may elect to bid on individual bid groups or the entire bid package. For a bid group to be deemed complete, the bidder must provide pricing on all items within the group. The City, at its sole discretion, may elect to award individual bid groups to separate bidders, or award all bid groups to one bidder.
4. Each bid group includes a line item for the purchase of unlisted parts of a similar nature or type. The bidder must provide the percent discount from the Manufacturer's list price for items that are similar to those identified in the bid group, such as an unlisted size or alternate material. As manufacturer list prices change, the net price to the City will automatically change.

REFERENCES: Please list at least three (3) entities for which you have done similar work:

<u>Organization</u>	<u>Address</u>	<u>Contact Person</u>	<u>Telephone</u>
1. _____			
2. _____			
3. _____			

City of Ann Arbor
2026 Utilities
Material Bid

Bidding Company Name:

2026 Bid Tab notes:

1. Item 109: Cap size changed from 4" to 5" from previous years
2. Group 7: Extended range couplers should be bid as long pattern. Short pattern will not be accepted
3. Items 217-219: Former 7036 series is no longer used and has been replaced with 7035 series
4. Stainless steel flanged tapping sleeves have been relocated to Group 5 from Group 13 in previous years
5. DUO Sleeve 14", 20" and 24" LP removed from list for 2026
6. GRATE-INLET CURB - NEENAH R-3249-F, formally line 231, removed for 2026
7. Traverse City Fire Hydrant Parts group removed for 2026
8. Miscellaneous parts and materials have been slight modified from prior years

GROUP 1: DUCTILE IRON FITTINGS

(Individual fittings shall be provided with accessory packs including standard MJ glands, Cor-Blue bolts and plain rubber gaskets.)

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
1	BEND_04X22.5	BEND, 4" 22 1/2 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
2	BEND_12x22.5	BEND, 12" 22 1/2 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
3	BEND_16x22.5	BEND, 16" 22 1/2 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
4	BEND_20x22.5	BEND, 20" 22 1/2 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
5	BEND_08x45	BEND, 8" 45 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
6	BEND_12X45	BEND, 12" 45 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
7	BEND_16X45	BEND, 16" 45 DEGREE MJ	EA	1	\$0.00	\$0.00	(MFG)
8	TEE_04	TEE, 4", MJ	EA	1	\$0.00	\$0.00	(MFG)
9	TEE_06	TEE, 6", MJ	EA	1	\$0.00	\$0.00	(MFG)
10	TEE_08	TEE, 8", MJ	EA	1	\$0.00	\$0.00	(MFG)
11	TEE_12	TEE, 12", MJ	EA	1	\$0.00	\$0.00	(MFG)
12	TEE_06X04	TEE, 6" x 4", MJ	EA	1	\$0.00	\$0.00	(MFG)
13	TEE_08X06	TEE, 8" x 6", MJ	EA	1	\$0.00	\$0.00	(MFG)
14	TEE_12X04	TEE, 12" x 4", MJ	EA	1	\$0.00	\$0.00	(MFG)
15	TEE_12X06	TEE, 12" x 6", MJ	EA	1	\$0.00	\$0.00	(MFG)
16	PLGS_04	PLUG, 4" MJ	EA	1	\$0.00	\$0.00	(MFG)
17	PLGS_06	PLUG, 6" MJ	EA	1	\$0.00	\$0.00	(MFG)
18	PLGS_08	PLUG, 8" MJ	EA	1	\$0.00	\$0.00	(MFG)
19	PLGS_12	PLUG, 12" MJ	EA	1	\$0.00	\$0.00	(MFG)
20	NA	PLUG, 16" MJ	EA	1	\$0.00	\$0.00	(MFG)
21	NA	REDUCER, 4" X 3", MJ x MJ	EA	1	\$0.00	\$0.00	(MFG)
22	REDUCER_06X04	REDUCER, 6" X 4", MJ x MJ	EA	1	\$0.00	\$0.00	(MFG)
23	REDUCER_08X06	REDUCER, 8" X 6", MJ x MJ	EA	1	\$0.00	\$0.00	(MFG)
24	REDUCER_12X06	REDUCER, 12" X 6", MJ x MJ	EA	1	\$0.00	\$0.00	(MFG)
25	REDUCER_12X10	REDUCER, 12" X 10", MJLEB x PE	EA	1	\$0.00	\$0.00	(MFG)
26	REDUCER_16X12	REDUCER, 16" X 12", MJ x MJ	EA	1	\$0.00	\$0.00	(MFG)
27	NA	REDUCER, 20" X 12", PE x MJSEB	EA	1	\$0.00	\$0.00	(MFG)
28	CPS_04	CAP, 4" MJ	EA	1	\$0.00	\$0.00	(MFG)
29	CPS_06	CAP, 6" MJ	EA	1	\$0.00	\$0.00	(MFG)

30	CPS_08	CAP, 8" MJ	EA	1	\$0.00	\$0.00	(MFG)
31	NA	CAP, 10" MJ	EA	1	\$0.00	\$0.00	(MFG)
32	NA	CAP, 12" MJ	EA	1	\$0.00	\$0.00	(MFG)
33	NA	SLEEVE, SOLID 4"x12" DUAL PURPOSE	EA	2	\$0.00	\$0.00	(MFG)
34	SLEEVE_06LP_DUO	SLEEVE, SOLID 6"x12" DUAL PURPOSE	EA	2	\$0.00	\$0.00	(MFG)
35	SLEEVE_08SP_DUO	SLEEVE, SOLID 8"x12" DUAL PURPOSE	EA	2	\$0.00	\$0.00	(MFG)
36	SLEEVE_10LP_DUO	SLEEVE, SOLID 10"x12" DUAL PURPOSE	EA	2	\$0.00	\$0.00	(MFG)
37	SLEEVE_12LP_DUO	SLEEVE, SOLID 12"x12" DUAL PURPOSE	EA	2	\$0.00	\$0.00	(MFG)
39	SLEEVE_16LP_DUO	DUO SLEEVE, 16" LP	EA	5	\$0.00	\$0.00	(MFG)
42	SLEEVE_04SP	SLEEVE, SOLID 4" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
43	SLEEVE_04LP	SLEEVE, SOLID 4" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
44	SLEEVE_04SP	SLEEVE, SOLID 4" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
45	SLEEVE_06SP	SLEEVE, SOLID 6" MJ SHORT		2	\$0.00	\$0.00	(MFG)
46	SLEEVE_06LP	SLEEVE, SOLID 6" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
47	SLEEVE_08SP	SLEEVE, SOLID 8" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
48	SLEEVE_08LP	SLEEVE, SOLID 8" DI MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
49	SLEEVE_10SP	SLEEVE, SOLID 10" MJ SHORT	EA	3	\$0.00	\$0.00	(MFG)
50	SLEEVE_10LP	SLEEVE, SOLID 10" MJ LONG	EA	3	\$0.00	\$0.00	(MFG)
51	SLEEVE_12LP	SLEEVE, SOLID 12" MJ SHORT	EA	3	\$0.00	\$0.00	(MFG)
52	SLEEVE_12SP	SLEEVE, SOLID 12" MJ LONG	EA	3	\$0.00	\$0.00	(MFG)
53	NA	SLEEVE, SOLID 14" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
54	SLEEVE_14LP	SLEEVE, SOLID 14" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
55	SLEEVE_16SP	SLEEVE, SOLID 16" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
56	SLEEVE_16LP	SLEEVE, SOLID 16" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
57	SLEEVE_20SP	SLEEVE, SOLID 20" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
58	SLEEVE_20LP	SLEEVE, SOLID 20" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
59	SLEEVE_24SP	SLEEVE, SOLID 24" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
60	SLEEVE_24LP	SLEEVE, SOLID 24" MJ LONG	EA	2	\$0.00	\$0.00	(MFG)
61	NA	SLEEVE, SOLID 30" MJ SHORT	EA	2	\$0.00	\$0.00	(MFG)
	Optional Year 2 Cost Increase Group 1	GROUP 1 SUBTOTAL				\$0.00	
	%	Unlisted Ductile Iron Fittings Percent Discount from List Price (%)					

GROUP 2: DUCTILE IRON MECHANICAL JOINT RESTRAINT GLANDS

(Individual Mechanical Joint Restraint Glands to be provided with Cor-Blue bolts and plain rubber gasket.)

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
62	MEG_03	MEGALUG 3"	EA	2	\$0.00	\$0.00	(MFG)	
63	MEG_04	GLAND, 4" MJ JOINT RESTRAINT	EA	6	\$0.00	\$0.00	(MFG)	
64	MEG_06	GLAND, 6" MJ JOINT RESTRAINT	EA	48	\$0.00	\$0.00	(MFG)	
65	MEG_08	GLAND, 8" MJ JOINT RESTRAINT	EA	8	\$0.00	\$0.00	(MFG)	
66	MEG_10	GLAND, 10" MJ JOINT RESTRAINT	EA	2	\$0.00	\$0.00	(MFG)	
67	MEG_12	GLAND, 12" MJ JOINT RESTRAINT	EA	2	\$0.00	\$0.00	(MFG)	
68	MEG_14	MEGALUG 14"	EA	2	\$0.00	\$0.00	(MFG)	
69	MEG_16	GLAND, 16" MJ JOINT RESTRAINT	EA	2	\$0.00	\$0.00	(MFG)	
70	MEG_20	GLAND, 20" MJ JOINT RESTRAINT	EA	2	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 2	GROUP 2 SUBTOTAL					\$0.00	
	%	Unlisted Mechanical Joint Restraint Glands Percent Discount from List Price (%)						

GROUP 3: DUCTILE IRON PIPE

(Ductile Iron Pipe shall be provided in nominal 18-foot laying length sections. Quantity is for individual pipe sections.)

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
71	PIPE_DI_04	PIPE, DUCTILE IRON 4"	L_Ft	54	\$0.00	\$0.00	(MFG)	
72	PIPE_DI_06	PIPE, DUCTILE IRON 6"	L_Ft	216	\$0.00	\$0.00	(MFG)	
73	PIPE_DI_08	PIPE, DUCTILE IRON 8"	L_Ft	54	\$0.00	\$0.00	(MFG)	
74	PIPE_DI_10	PIPE, DUCTILE IRON 10"	L_Ft	36	\$0.00	\$0.00	(MFG)	
75	PIPE_DI_12	PIPE, DUCTILE IRON 12"	L_Ft	36	\$0.00	\$0.00	(MFG)	
76	PIPE_DI_14	PIPE, DUCTILE IRON 14"	L_Ft	36	\$0.00	\$0.00	(MFG)	
77	PIPE_DI_16	PIPE, DUCTILE IRON 16"	L_Ft	36	\$0.00	\$0.00	(MFG)	
78	PIPE_DI_20	PIPE, DUCTILE IRON 20"	L_Ft	36	\$0.00	\$0.00	(MFG)	
79	PIPE_DI_24	PIPE, DUCTILE IRON 24"	L_Ft	36	\$0.00	\$0.00	(MFG)	
80	PIPE_DI_30	PIPE, DUCTILE IRON 30"	L_Ft	36	\$0.00	\$0.00	(MFG)	
81	NA	8MIL Black Polyethylene Encasement - "Poly Wrap" ANSI/AWWA C105/A21.5 Standard Dia 12"-14", 30" lay flat"	L_Ft	500	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 3	GROUP 3 SUBTOTAL					\$0.00	
	%	Unlisted Ductile Iron Pipe Percent Discount from List Price (%)						

GROUP 4: FIRE HYDRANTS

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
82	EJ_SEATING_VALVE	EJ_SEATING_VALVE - 6 BR 22	EA	2	\$0.00	\$0.00	(MFG)
83	EJ_WM_05.5	EJ 5BR250 FIRE HYDRANT, 5.5' BURY	EA	8	\$0.00	\$0.00	(MFG)
84	EJ_WM_05.5	EJ 5BR250 FIRE HYDRANT, 6' BURY	EA	4	\$0.00	\$0.00	(MFG)
85	EJ_WM_06	EJ 6" HYDRANT EXTENSION, SHAFT ONLY	EA	6	\$0.00	\$0.00	(MFG)
86	EJ_EXT_SHA_06	EJ 12" HYDRANT EXTENSION, SHAFT ONLY	EA	6	\$0.00	\$0.00	(MFG)
87	EJ_EXT_SHA_12	EJ 6BR 6" HYDRANT EXTENSION KIT	EA	6	\$0.00	\$0.00	(MFG)
88	NA	EJ 6BR 12" HYDRANT EXTENSION KIT	EA	6	\$0.00	\$0.00	(MFG)
89	NA	EJ 5BR250 12" HYDRANT EXTENSION KIT	EA	6	\$0.00	\$0.00	(MFG)
90	EJ_EXT_KIT_12	EJ 5BR250 6" HYDRANT EXTENSION KIT	EA	2	\$0.00	\$0.00	(MFG)
91	EJ_EXT_KIT_06	EJ 6BR CONVERSION CHATTER KIT	EA	2	\$0.00	\$0.00	(MFG)
92	EJ_06_BR_CHATTER_KIT	EJ 5BR CONVERSION KIT FOR TRAVERSE CITY HYDRANT	EA	20	\$0.00	\$0.00	(MFG)
93	EJ_5BR250_CONV_06	EJ 5BR250 BRK FLG REPAIR KIT, BLACK #00946447	EA	5	\$0.00	\$0.00	(MFG)
94	EJ_REPAIR_KIT_BLACK	EJ BR BRK FLG REPAIR KIT, RED #00946345	EA	12	\$0.00	\$0.00	(MFG)
95	EJ_REPAIR_KIT_RED	EJ 6BR VALVE SEAT	EA	24	\$0.00	\$0.00	(MFG)
96	NA	EJ 6BR VALVE SEAT O RINGS	EA	24	\$0.00	\$0.00	(MFG)
97	NA	EJ 6BR DRIP SHUT OFF	EA	24	\$0.00	\$0.00	(MFG)
98	NA	EJ 6BR VALVE WASHER	EA	24	\$0.00	\$0.00	(MFG)
99	NA	EJ 5BR250 VALVE SEAT	EA	24	\$0.00	\$0.00	(MFG)
100	NA	EJ 5BR VALVE SEAT O RINGS	EA	24	\$0.00	\$0.00	(MFG)
101	NA	EJ, 2.5" HOSE NOZZLE (LOCK-IN TYPE) - 946014	EA	6	\$0.00	\$0.00	(MFG)
102	EJ_2.5_NOZZLE_LOCK	EJ, LOWER OPER STEM FOR 5.5ft HYD-EJIW PART 946729	EA	6	\$0.00	\$0.00	(MFG)
103	EJ_LOW_STEM_5.5FT	EJ, LOWER STEM 5FT	EA	5	\$0.00	\$0.00	(MFG)
104	EJ_LOW_STEM_5FT	EJ, LOWER OPER STEM FOR 6.5 ft HYD - EJIW CAT #12-B	EA	5	\$0.00	\$0.00	(MFG)
105	EJ_LOW_STEM_6.5FT	EJ, OPERATING NUT - BR7-C BR7-D	EA	6	\$0.00	\$0.00	(MFG)
106	EJ_OPERATING_NUT	EJ, TOP OPERATING STEM, 21.5" - EJIW PART 946740	EA	6	\$0.00	\$0.00	(MFG)
107	EJ_TOP_STEM_21.5IN	EJ 5BR DRIP SHUT OFF	EA	6	\$0.00	\$0.00	(MFG)
108	EJ_DRIP_SHUT_OFF_BR5	EJ 5BR VALVE WASHER	EA	6	\$0.00	\$0.00	(MFG)
109	NA	HARRINGTON 5" STORZ NOZZLE CAP F/4-1/2" PORT	EA	10	\$0.00	\$0.00	(MFG)
	Optional Year 2 Cost Increase Group 4	GROUP 4 SUBTOTAL				\$0.00	
	%	Unlisted Fire Hydrant Parts Discount from List Price (%)					

GROUP 5: GATE VALVES

(Individual gate valves shall be provided with accessories packs including standard MJ glands, Cor-Blue bolts and plain rubber gaskets.)

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
110	RWV_03_Bypass	GATE VALVE, 3" F-F (FOR BYPASS)		1	\$0.00	\$0.00	(MFG)	
111	RWV_03	GATE VALVE, 3" MJ		2	\$0.00	\$0.00	(MFG)	
112	RWV_04	GATE VALVE, 4" MJ	EA	2	\$0.00	\$0.00	(MFG)	
113	RWV_06	GATE VALVE, 6" MJ	EA	30	\$0.00	\$0.00	(MFG)	
114	RWV_08	GATE VALVE, 8" MJ	EA	6	\$0.00	\$0.00	(MFG)	
115	NA	GATE VALVE, 8" MJ x TAP	EA	24	\$0.00	\$0.00	(MFG)	
116	RWV_10	GATE VALVE, 10" MJ	EA	2	\$0.00	\$0.00	(MFG)	
117	RWV_12	GATE VALVE, 12" MJ	EA	2	\$0.00	\$0.00	(MFG)	
118	RWV_14	GATE VALVE, 14" MJ	EA	2	\$0.00	\$0.00	(MFG)	
119	RWV_16	GATE VALVE, 16" MJ	EA	2	\$0.00	\$0.00	(MFG)	
120	RWV_20	GATE VALVE, 20" MJ	EA	1	\$0.00	\$0.00	(MFG)	
121	NA	STAINLESS TAPPING SLEEVE, 12"X12"X8"	EA	4	\$0.00	\$0.00	(MFG)	
122	NA	STAINLESS TAPPING SLEEVE, 16"X16"X8"	EA	4	\$0.00	\$0.00	(MFG)	
123	NA	STAINLESS TAPPING SLEEVE, 20"X20"X8"	EA	4	\$0.00	\$0.00	(MFG)	
124	SSRCTS_06X06	SSTS 6" X 6" FLANGE	EA	1	\$0.00	\$0.00	(MFG)	
125	SSRCTS_08X06	SSTS 8" X 6" FLANGE	EA	1	\$0.00	\$0.00	(MFG)	
126	SSRCTS_12X06	SSTS 12" X 6" FLANGE	EA	1	\$0.00	\$0.00	(MFG)	
127	SSRCTS_16X06	SSTS 16" X 6" FLANGE	EA	1	\$0.00	\$0.00	(MFG)	
128	SSRCTS_20X06	SSTS 20" X 6" FLANGE	EA	1	\$0.00	\$0.00	(MFG)	
129	OPN01	2" AD OP Nut F/4"-12" 500 & 2500 Series Gate Valves	EA	50	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 5					GROUP 5 SUBTOTAL	\$0.00	
	%					Unlisted Gate Valves Percent Discount from List Price (%)		

GROUP 6: CURB AND GATE BOXES

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
130	C_COMPLETE	CURB BOX, COMPLETE	EA	1	\$0.00	\$0.00	(MFG)	
131	C_TOP_HALF	CURB BOX, TOP HALF W/ LID	EA	300	\$0.00	\$0.00	(MFG)	
132	C_BOX_BOTTOM_HALF	CURB BOX BOTTOM HALF	EA	300	\$0.00	\$0.00	(MFG)	
133	C_L_BASE	CURB BOX, LARGE BASE (BIGFOOT)	EA	60	\$0.00	\$0.00	(MFG)	
134	C_9_EXIT	CURB BOX EXTENSION, 9"	EA	30	\$0.00	\$0.00	(MFG)	
135	C_16_EXIT	CURB BOX EXTENSION, 16"	EA	30	\$0.00	\$0.00	(MFG)	
136	C_REPAIR_LID	CURB BOX REPAIR LID	EA	150	\$0.00	\$0.00	(MFG)	
137	NA	GATE BOX, COMPLETE	EA	1	\$0.00	\$0.00	(MFG)	
138	G_TOP_HALF	GATE BOX TOP 1/2, WITH NO LID	EA	50	\$0.00	\$0.00	(MFG)	
139	G_14_EXT	GATE BOX EXTENSION, 14"	EA	30	\$0.00	\$0.00	(MFG)	
140	G_18_20_EXT	GATE BOX EXTENSION, 18" & 20"	EA	30	\$0.00	\$0.00	(MFG)	
141	G_REG_BASE	GATE BOX REGULAR BASE (#6)	EA	10	\$0.00	\$0.00	(MFG)	
142	G_SMALL_BASE	GATE BOX SMALL BASE (#4)	EA	40	\$0.00	\$0.00	(MFG)	
143	NA	GATE BOX FIXED RISER	EA	2	\$0.00	\$0.00	(MFG)	
144	G_CHEATER	GATE BOX ADJUSTABLE RISER	EA	10	\$0.00	\$0.00	(MFG)	
145	G_LID	GATE BOX LID	EA	50	\$0.00	\$0.00	(MFG)	
146	G_BOTTOM_HALF	GATE BOX BOTTOM HALF - EJIW 85606030	EA	40	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 6	GROUP 6 SUBTOTAL					\$0.00	
	%	Unlisted Curb and Gate Boxes Percent Discount from List Price (%)						

GROUP 7: EXTENDED RANGE COUPLINGS

(Extended range couplers should be bid as long pattern. Short pattern will not be accepted)

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
147	COUP_03	Extended range coupler 3"	EA	2	\$0.00	\$0.00	(MFG)	
148	COUP_04	4" EXTENDED RANGE COUPLING	EA	12	\$0.00	\$0.00	(MFG)	
149	COUP_06	6" EXTENDED RANGE COUPLING	EA	40	\$0.00	\$0.00	(MFG)	
150	COUP_08	8" EXTENDED RANGE COUPLING	EA	4	\$0.00	\$0.00	(MFG)	
151	COUP_10	10" EXTENDED RANGE COUPLING	EA	4	\$0.00	\$0.00	(MFG)	
152	COUP_12	12" EXTENDED RANGE COUPLING	EA	4	\$0.00	\$0.00	(MFG)	
153	COUP_14	Extended Range Coupler 14"	EA	4	\$0.00	\$0.00	(MFG)	
154	COUP_16	Extended Range Coupler 16"	EA	4	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 7	GROUP 7 SUBTOTAL					\$0.00	
	%	Unlisted Extended Range Couplings Percent Discount from List Price (%)						

GROUP 8: PRECAST CATCHBASIN/MANHOLE STRUCTURES - ASTM C-478

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
155	SINLETS023	PRECAST SUMP – 24" ID X 24" H	EA	6	\$0.00	\$0.00	(MFG)	
156	SINLETS046	PRECAST SUMP – 48" OD X 36" ID X 32" H	EA	6	\$0.00	\$0.00	(MFG)	
157	SINLETS047	MANHOLE – 36" OD x 24" ID X 55" H W/ 6" AND 12" TAP TO ORDER	EA	6	\$0.00	\$0.00	(MFG)	
158	SINLETS048	ROUND SLAB, 5' X 8' W/36"X24" OPENING CENTERED	EA	6	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 8					GROUP 8 SUBTOTAL	\$0.00	
	%					Unlisted Copper Pipe Percent Discount from List Price (%)		

GROUP 9: BRASS FITTINGS

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
159	CORP_0.75X0.75	CORPORATION, 3/4"	EA	30	\$0.00	\$0.00	(MFG)
160	CORP_0.75X01	CORPORATION, 3/4" X 1"	EA	200	\$0.00	\$0.00	(MFG)
161	CORP_01X01	CORPORATION, 1"	EA	40	\$0.00	\$0.00	(MFG)
162	NA	CORPORATION, 1" C-C X 1-1/4" FLR	EA	100	\$0.00	\$0.00	(MFG)
163	CORP_01.25X01.25	CORPORATION, 1-1/4"	EA	4	\$0.00	\$0.00	(MFG)
164	CORP_01.5x01.5	CORPORATION, 1-1/2"	EA	48	\$0.00	\$0.00	(MFG)
165	CORP_01.5x02	CORPORATION, 1-1/2" C-C X 2" FLR	EA	75	\$0.00	\$0.00	(MFG)
166	CORP_02X02	CORPORATION, 2"	EA	12	\$0.00	\$0.00	(MFG)
167	SADDLE_04X01	SADDLE, 4" X 1"	EA	2	\$0.00	\$0.00	(MFG)
168	SADDLE_04X01.5	SADDLE, 4" X 1 1/2"	EA	2	\$0.00	\$0.00	(MFG)
169	SADDLE_06X01.25	SADDLE, 6" X 1 1/4"	EA	2	\$0.00	\$0.00	(MFG)
170	SADDLE_06X01.5	SADDLE, 6" X 1 1/2"	EA	4	\$0.00	\$0.00	(MFG)
171	SADDLE_08X01.5	SADDLE, 8" X 1 1/2"	EA	75	\$0.00	\$0.00	(MFG)
172	SADDLE_10X01.5	SADDLE, 10" X 1 1/2"	EA	2	\$0.00	\$0.00	(MFG)
173	SADDLE_12X01.5	SADDLE, 12" X 1 1/2"	EA	36	\$0.00	\$0.00	(MFG)
174	SADDLE_12X02	SADDLE, 12" X 2"	EA	2	\$0.00	\$0.00	(MFG)
175	SADDLE_16X01.5	SADDLE, 16" X 1 1/2"	EA	2	\$0.00	\$0.00	(MFG)
176	SADDLE_20X01.5	SADDLE, 20" X 1 1/2"	EA	2	\$0.00	\$0.00	(MFG)
177	STOP_.75	STOP, 3/4" C-C	EA	6	\$0.00	\$0.00	(MFG)
178	STOP_01	CURB STOP, 1" C-C	EA	75	\$0.00	\$0.00	(MFG)
179	STOP_01.25	CURB STOP, 1-1/4" C-C	EA	2	\$0.00	\$0.00	(MFG)
180	STOP_01.5	CURB STOP, 1-1/2" C-C	EA	36	\$0.00	\$0.00	(MFG)
181	STOP_02	CURB STOP, 2" C-C	EA	24	\$0.00	\$0.00	(MFG)
182	CIPF_0.75	STRAIGHT COUPLING, 3/4" X 3/4" FNPT X FFLR	EA	6	\$0.00	\$0.00	(MFG)
183	CIPF_01	STRAIGHT COUPLING, 1" X 1" FNPT X FFLR	EA	6	\$0.00	\$0.00	(MFG)
184	CIPF_01.25	STRAIGHT COUPLING, 1-1/4" X 1-1/4" FNPT X FFLR	EA	6	\$0.00	\$0.00	(MFG)
185	CIPF_01.5	STRAIGHT COUPLING, 1-1/2" X 1-1/2" FNPT X FFLR	EA	6	\$0.00	\$0.00	(MFG)
186	NA	STRAIGHT COUPLING, 2" X 2" FNPT X FFLR	EA	12	\$0.00	\$0.00	(MFG)
187	CCC_0.75	TWO-PART UNION, 3/4"	EA	24	\$0.00	\$0.00	(MFG)
188	CCC_01	TWO-PART UNION, 1"	EA	150	\$0.00	\$0.00	(MFG)

189	CCC_01.25	TWO-PART UNION, 1-1/4"	EA	60	\$0.00	\$0.00	(MFG)
190	CCC_01.5	TWO-PART UNION, 1-1/2"	EA	16	\$0.00	\$0.00	(MFG)
191	CCC_02	TWO-PART UNION, 2"	EA	48	\$0.00	\$0.00	(MFG)
192	NA	1-1/2" TEE	EA	2	\$0.00	\$0.00	(MFG)
193	NA	2" TEE	EA	2	\$0.00	\$0.00	(MFG)
194	NA	1-1/2" QUARTER BEND (90)	EA	2	\$0.00	\$0.00	(MFG)
195	NA	2" QUARTER BEND (90)	EA	2	\$0.00	\$0.00	(MFG)
196	PPN_01X0.75	1" X 3/4" COPPER FLR X FFLR (PIGGY BACK NUT)	EA	140	\$0.00	\$0.00	(MFG)
197	PPN_01.5X01.25	1-1/2" X 1-1/4" COPPER FLR X FFLR (PIGGY BACK NUT)	EA	6	\$0.00	\$0.00	(MFG)
198	PPN_02X01.5	2" X 1-1/2" COPPER FLR X FFLR (PIGGY BACK NUT)	EA	6	\$0.00	\$0.00	(MFG)
199	NA	1-1/4" X 1-1/2" FFLR X COPPER FLR	EA	6	\$0.00	\$0.00	(MFG)
200	PPN_01X01.25	PIGGYBACK NUT 1"X1-1/4"	EA	6	\$0.00	\$0.00	(MFG)
201	PPN_01.25X01.5	PIGGYBACK NUT 1-1/2" x 1-1/4"	EA	6	\$0.00	\$0.00	(MFG)
202	PPN_1.5X02	PIGGYBACK NUT 1-1/2" x 2"	EA	6	\$0.00	\$0.00	(MFG)
203	PPN_01.25X01	PIGGYBACK NUT 1-1/2" x 1"	EA	6	\$0.00	\$0.00	(MFG)
	Optional Year 2 Cost Increase Group 9	GROUP 9 SUBTOTAL				\$0.00	
	%	Unlisted Brass Fittings Percent Discount from List Price (%)					

GROUP 10: WATER METER ACCESSORIES							
ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
204	MT-MH-3.4	METER HORN, 3/4" X 1" X 1"	EA	150	\$0.00	\$0.00	(MFG)
205	MT-MH-1	METER HORN, 1" X 1" X 1"	EA	60	\$0.00	\$0.00	(MFG)
206	WTRMTR3.4TANDEM	TANDEM RESETTER, 3/4" X 3/4"	EA	2	\$0.00	\$0.00	(MFG)
207	MT-FLG-1.5	1 1/2" Brass Meter Flanges	EA	60	\$0.00	\$0.00	(MFG)
208	MT-FLG-2	2" Brass Meter Flanges	EA	40	\$0.00	\$0.00	(MFG)
209	MTR ADAPTER 3/4	METER ADAPTER, 5/8" X 3/4", PAIR	PR	40	\$0.00	\$0.00	(MFG)
210	NA	PRESSURE REDUCING VALVE, 3/4"	EA	1	\$0.00	\$0.00	(MFG)
211	NA	PRESSURE REDUCING VALVE, 1"	EA	1	\$0.00	\$0.00	(MFG)
212	NA	PRESSURE REDUCING VALVE, 1-1/4"	EA	1	\$0.00	\$0.00	(MFG)
213	NA	PRESSURE REDUCING VALVE, 1-1/2"	EA	1	\$0.00	\$0.00	(MFG)
214	NA	PRESSURE REDUCING VALVE, 2"	EA	1	\$0.00	\$0.00	(MFG)
215	RPZA-1	REDUCED PRESSURE ZONE ASSEMBLY, 1"	EA	1	\$0.00	\$0.00	(MFG)
216	RPZA-2	REDUCED PRESSURE ZONE ASSEMBLY, 2"	EA	20	\$0.00	\$0.00	(MFG)
	Optional Year 2 Cost Increase Group 10	GROUP 10 SUBTOTAL				\$0.00	
	%	Unlisted Water Meter Accessories Percent Discount from List Price (%)					

GROUP 11: CASTINGS

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
217	NA	FRAME-INLET- EJIW - 7035Z	EA	30	\$0.00	\$0.00	(MFG)	
218	NA	GRATE-INLET- EJIW -7030M6 Grate	EA	30	\$0.00	\$0.00	(MFG)	
219	NA	BACK-INLET-EJIW-7030T1	EA	60	\$0.00	\$0.00	(MFG)	
220	NA	Grade Ring - MH - 24" ID x 1.25"h - Ladtech or equal	EA	1	\$0.00	\$0.00	(MFG)	
221	NA	Grade Ring - MH - 24" ID x 1.50"h - Ladtech or equal	EA	1	\$0.00	\$0.00	(MFG)	
222	NA	Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal	EA	1	\$0.00	\$0.00	(MFG)	
223	SINLETS017	FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 5000Z - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
224	SINLETS019	FRAME-INLET-RD FLANGE-34"OD - EJIW - 5080	EA	3	\$0.00	\$0.00	(MFG)	
225	SINLETS020	Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIW	EA	3	\$0.00	\$0.00	(MFG)	
226	SINLETS021	Grate - Inlet - Beehive - 26" OD x 6"h - 1040 T2 EJIW	EA	1	\$0.00	\$0.00	(MFG)	
227	SINLETS022	GRATE-INLET-BEEHIVE-23" OD x 7"H - 1020 T2 - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
228	SINLETS024	FRAME-INLET CURB-RD FLANGE - 7045KZ - EJIW	EA	24	\$0.00	\$0.00	(MFG)	
229	SINLETS025	BACK-INLET CURB-ROLLED CURB-7050 T1 - EJIW - 7050 Type 1	EA	6	\$0.00	\$0.00	(MFG)	
230	SINLETS026	GRATE-INLET CURB-7045M1	EA	6	\$0.00	\$0.00	(MFG)	
232	SINLETS036	EJ 7060T1 CURB INLET HOOD	EA	6	\$0.00	\$0.00	(MFG)	
233	SINLETS037	GRATE-INLET-RD-FLAT-26" OD-1040 M1	EA	2	\$0.00	\$0.00	(MFG)	
234	SINLETS038	GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIW	EA	2	\$0.00	\$0.00	(MFG)	
235	SMANHOL016	Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx1.5" - Ladtech or equal	EA	2	\$0.00	\$0.00	(MFG)	
236	SMANHOL017	Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx2.25" - Ladtech or equal	EA	4	\$0.00	\$0.00	(MFG)	
237	SMANHOL018	Grade Ring - MH - 24" ID x 4.0"h - Ladtech or equal	EA	2	\$0.00	\$0.00	(MFG)	
238	SMANHOL020	FRAME/COVER ASSY-MH-BOLT DOWN-1045Z W/1040APT - EJIW	EA	2	\$0.00	\$0.00	(MFG)	
239	SMANHOL021	FRAME/COVER ASSY-MH-BOLT DWN-1040Z W/1040APT - EJIW	EA	2	\$0.00	\$0.00	(MFG)	
240	SMANHOL023	COVER-MH-26" OD-STORM-CITY ART-1040A - EJIW	EA	10	\$0.00	\$0.00	(MFG)	
241	SMANHOL024	FRAME-MH-39"OD, 24" ID, 7"H-26OD CVR-1040 - EJIW	EA	10	\$0.00	\$0.00	(MFG)	
242	SMANHOL026	COVER-MH-26" OD-SANITARY-CITY ART-1040A - EJIW	EA	10	\$0.00	\$0.00	(MFG)	
243	SMANHOL027	COVER-MH-26" OD-SEWER-GENERIC-1040A - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
244	SMANHOL028	COVER-MH-26" OD -WATER-CITY ART-1040A - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
245	SMANHOL029	COVER-MH-26" OD-WATER-GENERIC-1040A - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
246	SMANHOL030	FRAME-MH-36"OD, 24" ID, 4"H-26OD CVR-1046Z - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
247	SMANHOL031	FRAME-MH-36", 24" ID-BOLT DOWN-1040Z - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
248	SMANHOL032	COVER-MH-1000C - EJIW	EA	1	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 11					GROUP 11 SUBTOTAL		\$0.00
	%					Unlisted Castings Percent Discount from List Price (%)		

GROUP 12: STAINLESS STEEL REPAIR CLAMPS

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
293	SSRCTS_04X08X1	SSTS 4" X 1" CC SP	EA	1	\$0.00	\$0.00	(MFG)
294	SSRCTS_04X08X1.5	SSTS 4" X 1-1/2" CC SP	EA	1	\$0.00	\$0.00	(MFG)
295	SSRCTS_04X12X1	SSTS 4" X 1" CC LP	EA	1	\$0.00	\$0.00	(MFG)
296	SSRCTS_04X12X1.5	SSTS 4" X 1-1/2" CC LP	EA	1	\$0.00	\$0.00	(MFG)
297	SSRCTS_06X08X1	SSTS 6" X 1" CC SP	EA	1	\$0.00	\$0.00	(MFG)
298	SSRCTS_06X12X1	SSTS 6" X 1" CC LP	EA	1	\$0.00	\$0.00	(MFG)
299	SSRCTS_06X12X1.5	SSTS 6" X 1-1/2" CC	EA	1	\$0.00	\$0.00	(MFG)
300	SSRCTS_06X12X2	SSTS 6" X 2" CC	EA	1	\$0.00	\$0.00	(MFG)
301	SSRCTS_08X08X1	SSTS 8" X 1" CC SP	EA	1	\$0.00	\$0.00	(MFG)
302	SSRCTS_08X12X1	SSTS 8" X 1" CC LP	EA	1	\$0.00	\$0.00	(MFG)
303	SSRCTS_08X20X1.5	SSTS 8" X 1-1/2" CC	EA	1	\$0.00	\$0.00	(MFG)
304	SSRCTS_10X10X1.5	SSTS 10" X 1-1/2" CC	EA	1	\$0.00	\$0.00	(MFG)
305	SSRCTS_12X1.5	SSTS 12" X 1-1/2" CC	EA	1	\$0.00	\$0.00	(MFG)
306	SSRCTS_12X12X1	SSTS 12" X 1" CC	EA	1	\$0.00	\$0.00	(MFG)
307	SSRC_04X08	SSRC 4" X 8"	EA	2	\$0.00	\$0.00	(MFG)
308	SSRC_04X12	SSRC 4" X 12"	EA	2	\$0.00	\$0.00	(MFG)
309	SSRC_04X20	SSRC 4" X 20"	EA	2	\$0.00	\$0.00	(MFG)
310	SSRC_04X25	SSRC 4" X 25"	EA	2	\$0.00	\$0.00	(MFG)
311	SSRC_04X30	SSRC 4" X 30"	EA	2	\$0.00	\$0.00	(MFG)
312	SSRC_06X08	SSRC 6" X 8"	EA	20	\$0.00	\$0.00	(MFG)
313	SSRC_06X12	SSRC 6" X 12"	EA	20	\$0.00	\$0.00	(MFG)
314	SSRC_06X16	SSRC 6" X 16"	EA	10	\$0.00	\$0.00	(MFG)
315	SSRC_06X20	SSRC 6" X 20"	EA	20	\$0.00	\$0.00	(MFG)
316	SSRC_06X24	SSRC 6" X 24"	EA	8	\$0.00	\$0.00	(MFG)
317	SSRC_06X30	SSRC 6" X 30"	EA	2	\$0.00	\$0.00	(MFG)
318	SSRC_06X36	SSRC 6" X 36"	EA	2	\$0.00	\$0.00	(MFG)
319	SSRC_08X08	SSRC 8" X 8"	EA	12	\$0.00	\$0.00	(MFG)
320	SSRC_08X12	SSRC 8" X 12"	EA	12	\$0.00	\$0.00	(MFG)
321	SSRC_08X16	SSRC 8" X 16"	EA	2	\$0.00	\$0.00	(MFG)
322	SSRC_08X24	SSRC 8" X 24"	EA	2	\$0.00	\$0.00	(MFG)
323	SSRC_08X30	SSRC 8" X 30"	EA	2	\$0.00	\$0.00	(MFG)
324	SSRC_10X10	SSRC 10" X 10"	EA	2	\$0.00	\$0.00	(MFG)
325	SSRC_10X12	SSRC 10" X 12"	EA	2	\$0.00	\$0.00	(MFG)
326	SSRC_10X16	SSRC 10" X 16"	EA	2	\$0.00	\$0.00	(MFG)
327	SSRC_10X24	SSRC 10" X 24"	EA	4	\$0.00	\$0.00	(MFG)
328	SSRC_12X12	SSRC 12" X 12"	EA	4	\$0.00	\$0.00	(MFG)
329	SSRC_12X12_FSM	SSRC 12" X 12" Steel Main	EA	4	\$0.00	\$0.00	(MFG)
330	SSRC_12X15	SSRC 12" X 15"	EA	2	\$0.00	\$0.00	(MFG)
331	SSRC_12X16	SSRC 12" X 16"	EA	4	\$0.00	\$0.00	(MFG)
332	SSRC_12X20	SSRC 12" X 20"	EA	6	\$0.00	\$0.00	(MFG)
333	SSRC_12X24	SSRC 12" X 24"	EA	4	\$0.00	\$0.00	(MFG)
334	SSRC_12X30	SSRC 12" X 30"	EA	2	\$0.00	\$0.00	(MFG)
335	SSRC_14X12	SSRC 14" X 12"	EA	4	\$0.00	\$0.00	(MFG)

336	SSRC_14X16	SSRC 14" X 16"	EA	4	\$0.00	\$0.00	(MFG)
337	SSRC_16X15	SSRC 16" X 15"	EA	2	\$0.00	\$0.00	(MFG)
338	SSRC_16X30	SSRC 16" X 30"	EA	2	\$0.00	\$0.00	(MFG)
339	SSRC_18X12	SSRC 18" X 12"	EA	2	\$0.00	\$0.00	(MFG)
340	SSRC_20X12	SSRC 20" X 12"	EA	2	\$0.00	\$0.00	(MFG)
341	SSRC_20X16	SSRC 20" X 16"	EA	6	\$0.00	\$0.00	(MFG)
342	SSRC_20X20	SSRC 20" X 20"	EA	2	\$0.00	\$0.00	(MFG)
343	SSRC_20X25	SSRC 20" X 25"	EA	6	\$0.00	\$0.00	(MFG)
344	SSRC_20X30	SSRC 20" X 30"	EA	2	\$0.00	\$0.00	(MFG)
345	SSRC_24X20	SSRC 24" X 20"	EA	2	\$0.00	\$0.00	(MFG)
346	SSRC_24X24	SSRC 24" X 24"	EA	2	\$0.00	\$0.00	(MFG)
Optional Year 2 Cost Increase Group 12		GROUP 12 SUBTOTAL				\$0.00	
%		Unlisted Stainless Steel Repair Clamps Percent Discount from List Price (\$)					

GROUP 13: SEWER AND DRAINAGE PIPE AND FITTINGS

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
SDR							
347	SPIPE 019	Pipe, PVC, Sched 40, 4"	L_Ft	20	\$0.00	\$0.00	(MFG)
348	SPIPE 020	Pipe, PVC, Sched 40, 6"	L_Ft	20	\$0.00	\$0.00	(MFG)
349	SPIPE 021	PIPE, PVC 8" SCHEDULE 40	L_Ft	20	\$0.00	\$0.00	(MFG)
350	SPIPE 024	PIPE, N-12 12" RIBBED BLACK PLASTIC - 45 1294A	L_Ft	100	\$0.00	\$0.00	(MFG)
351	SPIPE 025	PIPE, N-12 15" RIBBED BLACK PLASTIC	L_Ft	30	\$0.00	\$0.00	(MFG)
352	SPIPE 026	PIPE, N-12 10" RIBBED BLACK PLASTIC	L_Ft	40	\$0.00	\$0.00	(MFG)
353	SPIPE_028 PIPE, PVC 6 SDR 26	Pipe, PVC 6" SDR 26 GREEN GASKETED	L_Ft	28	\$0.00	\$0.00	(MFG)
354	SPIPE 028	PIPE, PVC 8" SDR 26 GREEN GASKETED	L_Ft	50	\$0.00	\$0.00	(MFG)
355	SPIPE 029	PIPE, PVC 10" SDR26 GREEN GASKETED	L_Ft	42	\$0.00	\$0.00	(MFG)
356	SPIPE 030	PIPE, PVC 12" SDR26 GREEN GASKETED	L_Ft	42	\$0.00	\$0.00	(MFG)
357	NA	Pipe, SDR 26, 18"	L_Ft	42	\$0.00	\$0.00	(MFG)
358	NA	Pipe, PVC 6" SDR 35 GREEN GASKETED	L_Ft	28	\$0.00	\$0.00	(MFG)
359	NA	Pipe, SDR 35, 10"	L_Ft	28	\$0.00	\$0.00	(MFG)
360	NA	Pipe, SDR 35, 12"	L_Ft	28	\$0.00	\$0.00	(MFG)
361	SPIPE 031	PIPE, PVC 8" SDR 35 GREEN GASKETED	L_Ft	28	\$0.00	\$0.00	(MFG)
362	SPIPE033	Pipe, SDR 35, 18"	L_Ft	28	\$0.00	\$0.00	(MFG)
363	SPIPE034	Pipe, SDR 35, 15"	L_Ft	28	\$0.00	\$0.00	(MFG)
364	SPIPE035	Pipe, SDR 26, 15"	L_Ft	28	\$0.00	\$0.00	(MFG)
365	4 HW SWR SDR26 GSKT CAP	CAP, 4HW SDR 26 Gasket Cap	EA	6	\$0.00	\$0.00	(MFG)
366	6 HW SWR SDR26 GASKET CAP	CAP, 6HW SDR 26 Gasket Cap	EA	4	\$0.00	\$0.00	(MFG)
367	6X4 HW SWR SDR26 WYE GXG	WYE 6x4 SDR 26, GxG	EA	6	\$0.00	\$0.00	(MFG)
PVC – SOLVENT WELD SOCKET – SCHEDULE 40							
368	NA	TEE, PVC, Sched 40, 4"	EA	2	\$0.00	\$0.00	(MFG)
369	STEEES 001	TEE, PVC, Sched 40, 6"	EA	2	\$0.00	\$0.00	(MFG)
370	SCPLNGS001	COUPLING, 4" PVC	EA	2	\$0.00	\$0.00	(MFG)
371	SCPLNGS004	COUPLING, PVC 6"	EA	2	\$0.00	\$0.00	(MFG)

372	SCPLNGS008	COUPLING, 8" PVC	EA	2	\$0.00	\$0.00	(MFG)
373	SBENDS 001	BEND, 4" PVC 22 1/2 DEGREE	EA	10	\$0.00	\$0.00	(MFG)
374	NA	BEND, 4" PVC 22 1/2 DEGREE, Street	EA	2	\$0.00	\$0.00	(MFG)
375	SBENDS 003	BEND, 4" PVC 45 DEGREE	EA	6	\$0.00	\$0.00	(MFG)
376	NA	BEND, 4" PVC 45 DEGREE, Street	EA	2	\$0.00	\$0.00	(MFG)
377	SBENDS 005	BEND, 6" PVC 22 1/2 DEGREE	EA	2	\$0.00	\$0.00	(MFG)
378	NA	BEND, 6" PVC 22 1/2 DEGREE, Street	EA	2	\$0.00	\$0.00	(MFG)
379	SBENDS 008	BEND, 6" 45 DEGREE 1/8TH BEND/PVC	EA	2	\$0.00	\$0.00	(MFG)
380	NA	BEND, 6" 45 DEGREE 1/8TH BEND/PVC, Street	EA	2	\$0.00	\$0.00	(MFG)
381	NA	Cleanout, PVC, Sched 40, 4" Female body w/ cap	EA	2	\$0.00	\$0.00	(MFG)
382	NA	Cleanout, PVC, Sched 40, 6" Female body w/ cap	EA	2	\$0.00	\$0.00	(MFG)
383	NA	Wye, PVC, Sched 40, 4"	EA	2	\$0.00	\$0.00	(MFG)
384	NA	Wye, PVC, Sched 40, 6"	EA	2	\$0.00	\$0.00	(MFG)
COUPLINGS-STANDARD ELASTOMERIC							
385	SCPLNG029	FERNCO 6" AC TO P	EA	2	\$0.00	\$0.00	(MFG)
386	SCPLNG030	FERNCO 4X3 P TO P	EA	2	\$0.00	\$0.00	(MFG)
387	SCPLNG031	FERNCO 10" P TO P	EA	2	\$0.00	\$0.00	(MFG)
388	SCPLNG032	FERNCO 2" P TO P	EA	2	\$0.00	\$0.00	(MFG)
389	SCPLNG033	FERNCO 15" CL TO P	EA	2	\$0.00	\$0.00	(MFG)
390	SCPLNG034	FERNCO 15"X 15"DL X CI/PVC	EA	2	\$0.00	\$0.00	(MFG)
391	SCPLNGS002	FERNCO 4"X4" C-C	EA	36	\$0.00	\$0.00	(MFG)
392	SCPLNGS003	FERNCO 4",CLAY-CI/PLASTI	EA	12	\$0.00	\$0.00	(MFG)
393	SCPLNGS005	FERNCO 6" X 6", C-C	EA	2	\$0.00	\$0.00	(MFG)
394	SCPLNGS006	FERNCO 6",CLAY-PVC OR CI	EA	8	\$0.00	\$0.00	(MFG)
395	SCPLNGS007	FERNCO 8"X8", CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
396	SCPLNGS010	FERNCO 10" X 10" C-C	EA	2	\$0.00	\$0.00	(MFG)
397	SCPLNGS011	FERNCO 10"CLAY-CI/PLASTI	EA	4	\$0.00	\$0.00	(MFG)
398	SCPLNGS012	FERNCO 12",CLAY-CONCRETE	EA	2	\$0.00	\$0.00	(MFG)
399	SCPLNGS013	FERNCO 15", CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
400	SCPLNGS014	FERNCO 18" CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
401	SCPLNGS015	FERNCO 27" CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
402	SCPLNGS016	FERNCO 15",CLAY-CONCRETE	EA	2	\$0.00	\$0.00	(MFG)
403	SCPLNGS017	FERNCO 12"X12"CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
404	SCPLNGS018	Femco 6"X 4" PVC-PVC OR CI-PVC	EA	2	\$0.00	\$0.00	(MFG)
405	SCPLNGS019	FERNCO 12"X12"CONC-CONC	EA	2	\$0.00	\$0.00	(MFG)
406	SCPLNGS020	FERNCO 4"X4" PVC-PVC	EA	2	\$0.00	\$0.00	(MFG)
407	SCPLNGS021	FERNCO 8"X8" CLAY-CI/PVC	EA	28	\$0.00	\$0.00	(MFG)
408	SCPLNGS022	FERNCO 15"X15"CONC-CONC	EA	2	\$0.00	\$0.00	(MFG)
409	SCPLNGS023	FERNCO 12"X12"	EA	2	\$0.00	\$0.00	(MFG)
410	SCPLNGS024	FERNCO 24"X24"CLAY-CLAY	EA	2	\$0.00	\$0.00	(MFG)
411	SCPLNGS025	FERNCO 6"X4"C-CI/PVC	EA	2	\$0.00	\$0.00	(MFG)
412	SCPLNGS026	FERNCO 6"X5"C-CI/PVC	EA	2	\$0.00	\$0.00	(MFG)
413	SCPLNGS027	FERNCO 12"X12"C-CI/P	EA	2	\$0.00	\$0.00	(MFG)
414	SCPLNGS028	FERNCO 8"X8"C-CI/PVC-CI/PVC	EA	2	\$0.00	\$0.00	(MFG)
415	SPLUGS 001	4" EXPANDABLE PLUG - CHERNE 49929	EA	8	\$0.00	\$0.00	(MFG)
Dual Wall Pipe - Storm Drainage - N12 with Bell and Spigot Water Tight Ends or Equal							
416	SPIPE 026	PIPE, N-12 10" RIBBED BLACK PLASTIC	L_Ft	1	\$0.00	\$0.00	(MFG)

417	SPIPE 024	12"x 20" - ADS #12650020IB	L_Ft	1	\$0.00	\$0.00	(MFG)	
418	SPIPE 025	15"x 20" - ADS #15650020IB	L_Ft	1	\$0.00	\$0.00	(MFG)	
419	NA	18"x 20" - ADS #18650020IB	L_Ft	1	\$0.00	\$0.00	(MFG)	
420	SPIPE 027	24"x 20" - ADS #24650020IB	L_Ft	1	\$0.00	\$0.00	(MFG)	
Dual Wall Pipe Couplers - Storm Drainage - N-12 Split Band Couplers								
421	NA	12"- ADS #1265AA	EA	1	\$0.00	\$0.00	(MFG)	
422	NA	15"- ADS #1565AA	EA	1	\$0.00	\$0.00	(MFG)	
423	NA	18"- ADS #1865AA	EA	1	\$0.00	\$0.00	(MFG)	
424	NA	24"- ADS #2411AA	EA	1	\$0.00	\$0.00	(MFG)	
N-12 Dual Wall Adapter Fitting								
425	NA	12"- ADS #1221AN	EA	1	\$0.00	\$0.00	(MFG)	
426	NA	15"- ADS #1521AN	EA	1	\$0.00	\$0.00	(MFG)	
427	NA	18"- ADS #1821AN	EA	1	\$0.00	\$0.00	(MFG)	
428	NA	24"- ADS #2421AN	EA	1	\$0.00	\$0.00	(MFG)	
N-12 Flared-End Sections								
429	NA	12"-15"- ADS #1215NP	EA	1	\$0.00	\$0.00	(MFG)	
430	NA	18"- ADS #1810NP	EA	1	\$0.00	\$0.00	(MFG)	
431	NA	24"- ADS #2410NP	EA	1	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 13					GROUP 13 SUBTOTAL	\$0.00	
	%					Unlisted Sewer and Drainage Pipe and Fittings Percent Discount from List Price (\$)		

GROUP 14: NYLOPLAST STRUCTURES								
ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
432	BASIN_24", 5' TALL, 12" N12 STUB, 2" SUMP	24"x5'- ADS #3024AGS5	EA	4	\$0.00	\$0.00	(MFG)	
433	24" BASIN, 6' TALL, 12" N12 STUB, 2" SUMP		EA	6	\$0.00	\$0.00	(MFG)	
434	24" BASIN, 7' TALL, 12" N12 STUB, 2" SUMP	24"x7'- ADS #3024AGS7	EA	10	\$0.00	\$0.00	(MFG)	
435	NA	36"x5'- ADS #3036AGR5	EA	1	\$0.00	\$0.00	(MFG)	
436	NA	36"x7'-ADS #3036AGR7	EA	1	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 14					GROUP 14 SUBTOTAL	\$0.00	
	%					Unlisted Nyloplast Structures Percent Discount from List Price (%)		

GROUP 15: MISCELLANEOUS PARTS AND MATERIALS								
ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED	
437	SSADDLE005	EPOXY KIT FOR 6"FAST-FIT TAP SADDLE	EA	10	\$0.00	\$0.00	(MFG)	
438	SSADDLE006	TAP SADDLE, 4" FAST-FIT	EA	10	\$0.00	\$0.00	(MFG)	
439	SSADDLE007	TAP SADDLE, 4"UNIVERSAL, CI AND PVC	EA	14	\$0.00	\$0.00	(MFG)	
440	SSADDLE009	TAP SADDLE, 6" FAST-FIT	EA	2	\$0.00	\$0.00	(MFG)	
441	SMISC 001	Cement	bag	350	\$0.00	\$0.00	(MFG)	
442	SMISC 002	Regular Mortor (Type N)	bag	200	\$0.00	\$0.00	(MFG)	
443	SMISC 003	Ready-Mix Cement	bag	200	\$0.00	\$0.00	(MFG)	
444	SMISC 004	Ready-Mix Mortor	bag	200	\$0.00	\$0.00	(MFG)	
445	SMISC 005	PRECO (THOROC PATCH)	bag	10	\$0.00	\$0.00	(MFG)	
446	SMISC 006	Brick - Concrete	EA	1600	\$0.00	\$0.00	(MFG)	
447	SMISC 007	BLOCK, MANHOLE 2ft (6" X 2ft)	EA	800	\$0.00	\$0.00	(MFG)	
448	SMISC 008	BLOCK, MANHOLE 3ft (6"x3ft)	EA	800	\$0.00	\$0.00	(MFG)	
	Optional Year 2 Cost Increase Group 15					GROUP 15 SUBTOTAL	\$0.00	
	%	Unlisted Miscellaneous Parts and Materials Percent Discount from List Price (%)						

Please contact Robert West for digital bid tab template at

RWest@a2gov.org

GENERAL CONDITIONS

ESTIMATED QUANTITIES

Quantities stated are estimated and not guaranteed. The quantities stated will be used for award purposes only and are based up an average of actual annual usage.

DOWN PAYMENTS

Any bid proposal submitted which requires a down payment or prepayment of any kind prior to delivery and acceptance of the item, as being in conformance with the specifications will not be considered for award.

PURCHASE ORDER

The successful bidder will be issued a purchase order from the City of Ann Arbor, which will create a bilateral contract between the City and the successful bidder. The purchase order shall commit the bidder to perform the contract in accordance with the specifications and the terms and conditions of the purchase order.

The terms and conditions of the Purchase Order are provided herein.

CONTRACT TERM

The pricing provided for this ITB shall be firm for one (1) year. Upon mutual agreement between the City and the vendor the pricing provided in this ITB may be extended for one (1) additional year not to exceed two (2) years in total. Unit pricing under the optional contract extension shall be subject to the price increase per group outlined in the vendor bid.

City of Ann Arbor: General Terms and Conditions

The following General Terms and Conditions shall apply to all purchases by or on behalf of the City of Ann Arbor unless specifically provided otherwise on the front of this document:

Tax Exemption: The City of Ann Arbor ("City") is tax exempt: FEIN # 38-6004534.

Acceptance of Contract: This purchase order is the City's contract to purchase the goods or services attached to this document from the Vendor. The City's placement of this order is expressly conditioned upon the Vendor's acceptance of all the terms and conditions on or attached to this purchase order. All specifications, drawings, and data submitted to the Vendor with this order are hereby incorporated and made part hereof.

Amendments: No agreement or understanding to modify this contract shall be binding upon the City unless in writing and signed by the City's authorized agent.

Delivery: All prices must be F.O.B. delivery point. Time is of the essence on this contract. If delivery dates cannot be met, the Vendor agrees to advise the City in writing of the earliest possible shipping date. The City reserves the right to cancel or purchase elsewhere and hold the Vendor accountable.

Risk of Loss: Regardless of F.O.B. point, the Vendor agrees to bear all risk of loss, injury, or destruction of goods or materials ordered herein that occur prior to delivery or acceptance by the City, whichever is later. No such loss, injury, or destruction shall release the Vendor from any obligations hereunder.

Inspection: Vendor must properly package goods to prevent damage. The City will not accept damaged goods. The City reserves the right to inspect goods at a reasonable time subsequent to delivery where circumstances or conditions prevent effective inspection of the goods at the time of delivery. All rejected goods shall be returned to the Vendor at Vendor's cost, with no cost to the City, whether the damage is readily apparent at the time of delivery or later. The City's acceptance is conditioned on such inspection.

Patents and Copyrights: If goods sold and delivered to the City hereunder are protected by an applicable patent or copyright, the Vendor agrees to indemnify and save harmless the City from and against any and all suits, claims, judgments, and costs instituted or recovered against the City by any person on account of the use or sale of such goods by the City in violation of such patent or copyright.

Uniform Commercial Code: All applicable portions of the Michigan Uniform Commercial Code shall govern contracts for goods with the City of Ann Arbor; except as modified by contract documents.

Non-waiver of Rights: No failure of either party to exercise any right given to it hereunder or to insist upon strict compliance by the other party with its obligations hereunder, and no custom or practice of the parties at variance with the terms hereof, nor any payment under this contract shall constitute a waiver of either party's right to demand exact compliance with the terms hereof.

Material Safety Data Sheets: Applicable Material Safety Data Sheets, in compliance with OSHA/MIOSHA hazard communication regulations and standards, must be provided by the Vendor to the City at the time of purchase.

Assignments: The Vendor agrees not to assign or transfer any part of this contract without the written consent of the City, acting through an authorized agent. Any unauthorized assignment may subject the Vendor to immediate termination.

Laws Governing, Severability: This contract shall be governed by and construed according to the laws of the State of Michigan. Vendor agrees to submit to the jurisdiction and venue of the Circuit Court of Washtenaw County, MI, or if original jurisdiction is established, the U.S. District Ct. for Eastern District of MI, Southern Division. The Vendor stipulates venues referenced are convenient and waives any claim of non-convenience. If any term herein is found to be ineffective, unenforceable or illegal under any present or future law, such term shall be fully severable, and the remaining terms shall not be affected and shall remain in full force and effect.

Prevailing Wage: Vendor must comply with applicable prevailing wage requirements, including the Davis-Bacon Act.

Living Wage: Vendor must comply, when applicable, with the City's Living Wage Ordinance (Chapter 23, City Code).

Non-Discrimination: Vendor must comply with all applicable state, federal, and local non-discrimination laws, including MCL 37.2209 and Chapter 112 of City Code.

Indemnification: To the fullest extent permitted by law, the Vendor shall indemnify, defend, and hold the City, its officers, employees, and agents harmless from all suits, claims, judgments, and expenses, including attorney fees, resulting or alleged to result from any act or omission associated with the performance of this contract by the Vendor or anyone acting on the Vendor's behalf under this contract. The Vendor shall not be responsible to indemnify the City for losses or damages caused by or resulting from the City's sole negligence. This indemnity survives delivery and acceptance of the Vendor's goods and services.

Warranty: The Vendor warrants to the City that all goods and services furnished hereunder will conform in all respects to the terms of this contract, including any drawings, specifications and standards incorporated herein. In addition, the Vendor warrants the goods and services are suitable for and will perform in accordance with the purposes for which they were intended.

Payment Terms: The City's payment terms are "net 30." The payment date will be calculated based on the invoice receipt date or delivery date, whichever is later.

Payments: All invoices under this contract shall be emailed to accountspayable@a2gov.org. Mailed invoices shall be addressed to the City of Ann Arbor, Accounts Payable, P.O. Box 8647, Ann Arbor, MI 48107, as indicated on the front of this purchase order. Invoices must include the Vendor's name, phone number, and clearly list item descriptions, quantities, and units of measure. The Vendor acknowledges and understands that invoices not addressed as stated above shall have the "net 30" begin once the invoice is received by City Accounts Payable.

Compliance with Laws: The Vendor certifies that in performing this contract it will comply with all applicable laws, regulations, rules, and orders.

Termination for Cause: In the event the Vendor fails, at any time, to comply with, fully perform, or strictly adhere to any covenant, condition or representation contained within this contract, the City shall have the right to give written notice to Vendor of such failure. If such failure is not cured to the City's satisfaction within 10 business days from the time of delivery to Vendor of such notice, the City shall have the right to terminate this contract immediately without the requirement of further notice.

T&C 4/25/23



Vendor Conflict of Interest Disclosure Form

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor's conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

Conflict of Interest Disclosure*	
Name of City of Ann Arbor employees, elected officials or immediate family members with whom there may be a potential conflict of interest.	<input type="checkbox"/> Relationship to employee <hr/> <input type="checkbox"/> Interest in vendor's company <input type="checkbox"/> Other (please describe in box below)

*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:		
Vendor Name	Vendor Phone Number	
Signature of Vendor Authorized Representative	Date	Printed Name of Vendor Authorized Representative

CITY OF ANN ARBOR NON-DISCRIMINATION ORDINANCE

Relevant provisions of Chapter 112, Nondiscrimination, of the Ann Arbor City Code are included below.
You can review the entire ordinance at www.a2gov.org/humanrights.

Intent: It is the intent of the city that no individual be denied equal protection of the laws; nor shall any individual be denied the enjoyment of his or her civil or political rights or be discriminated against because of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight.

Discriminatory Employment Practices: No person shall discriminate in the hire, employment, compensation, work classifications, conditions or terms, promotion or demotion, or termination of employment of any individual. No person shall discriminate in limiting membership, conditions of membership or termination of membership in any labor union or apprenticeship program.

Discriminatory Effects: No person shall adopt, enforce or employ any policy or requirement which has the effect of creating unequal opportunities according to actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight for an individual to obtain housing, employment or public accommodation, except for a bona fide business necessity. Such a necessity does not arise due to a mere inconvenience or because of suspected objection to such a person by neighbors, customers or other persons.

Nondiscrimination by City Contractors: All contractors proposing to do business with the City of Ann Arbor shall satisfy the contract compliance administrative policy adopted by the City Administrator in accordance with the guidelines of this section. All city contractors shall ensure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity and tends to eliminate inequality based upon any classification protected by this chapter. All contractors shall agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of any applicable protected classification. All contractors shall be required to post a copy of Ann Arbor's Non-Discrimination Ordinance at all work locations where its employees provide services under a contract with the city.

Complaint Procedure: If any individual believes there has been a violation of this chapter, he/she may file a complaint with the City's Human Rights Commission. The complaint must be filed within 180 calendar days from the date of the individual's knowledge of the allegedly discriminatory action or 180 calendar days from the date when the individual should have known of the allegedly discriminatory action. A complaint that is not filed within this timeframe cannot be considered by the Human Rights Commission. To file a complaint, first complete the complaint form, which is available at www.a2gov.org/humanrights. Then submit it to the Human Rights Commission by e-mail (hrc@a2gov.org), by mail (Ann Arbor Human Rights Commission, PO Box 8647, Ann Arbor, MI 48107), or in person (City Clerk's Office). For further information, please call the commission at 734-794-6141 or e-mail the commission at hrc@a2gov.org.

Private Actions For Damages or Injunctive Relief: To the extent allowed by law, an individual who is the victim of discriminatory action in violation of this chapter may bring a civil action for appropriate injunctive relief or damages or both against the person(s) who acted in violation of this chapter.

THIS IS AN OFFICIAL GOVERNMENT NOTICE AND
MUST BE DISPLAYED WHERE EMPLOYEES CAN READILY SEE IT.