# CITY OF ANN ARBOR INVITATION TO BID



# **2025 Utility Infrastructure Materials**

# ITB No. 4761

# Due Date: February 13, 2025 at 2:00 PM (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, 2025 through May 15, 2026. 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.

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 January 30, 2025 @ 2:00 p.m. 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**

<u>All Bids are due and must be delivered to the City of Ann Arbor Procurement Unit on or</u> <u>before February 13, 2025 at 2:00 p.m. (Local time).</u> Bids submitted late or via oral, telephonic, telegraphic, electronic mail or facsimile will not be considered or accepted.

Each bidder shall submit in a sealed envelope clearly marked <u>ITB# 4761 - 2025 Utility</u> <u>Infrastructure Materials</u>:

- 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, 1<sup>st</sup> 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 <sup>6</sup> DAY OF February , 2025 .

Core and Main LP

Pulh

Authorized Signature of Bidder

Paul Thom

(Print Name of Signer Above)

tom.fisher@coreandmain.com

Email Address for Award Notice

Bidder's Name

4901 Dewitt, Canton, MI 48188

**Official Address** 

734-398-5950

**Telephone Number** 

## 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

4111.5 H 100 - 97 - 7	, for whom	_, bearing the office title
of	, whose signature is affixed to this Bid, is authoriz	ed to execute contracts.
	NOTE: If not incorporated in Michigan, please attach the corporation's C	ertificate 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 \_\_\_Florida\_\_\_\_\_ 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):

(initial here)

\* An individual, whose signature with address, is affixed to this Bid: \_\_\_\_

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/AVWA C153/A21.53 for compact fittings or ANSI/AVWA 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.
  - 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 <sup>3</sup>/<sub>4</sub> inch threaded Ann Arbor standard pumper connection with 7 <sup>1</sup>/<sub>2</sub> threads per inch and 4.05-inch outside diameter and one 5-inch Storz pumper connection.
- C. A 1  $\frac{3}{16}$  inch pentagon operating nut and cap nuts shall be utilized (1  $\frac{3}{16}$  inch point-toflat at top and 1  $\frac{7}{16}$  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 ±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.

#### 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 <sup>3</sup>/<sub>4</sub>" 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.

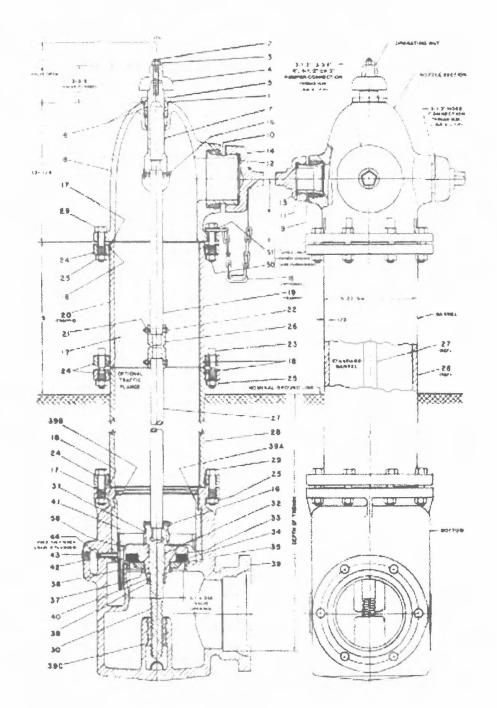
- C. Meter flanges shall be Dake 2030-LF for 1-1/2" flanges and Dake 2035-LF for 2" flanges, or equivalent models manufactured by Ford, A.Y. McDonald, Mueller, or Grand Haven Meter Coupling.
- D. Meter adapters shall be Ford A12M, or equivalent models manufactured by A.Y. McDonald or Mueller.
- E. Pressure 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.

#### 1.11 TRAVERSE CITY FIRE HYDRANT PARTS

A. Reference the diagram below for part locations. Part reference number is included in the description on the bid form if applicable.



## Traverse City Hydrant Parts Diagram

#### 1.12 STAINLESS STEEL REPAIR CLAMPS

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A. Stainless steel repair clamps shall be ROMAC, Smith-Blair or equivalent models manufactured by JCM.

## **BID FORM**

## VENDOR NAME: Core and Main LP

Project: ITB# 4761 - 2025 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, 2025 through May 15, 2026. 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. If there is a required price increase for any or all groups prior to the one (1) year price expiration, append information detailing the proposed price increases.

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.

#### **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	\$113.38	\$113.38	Tyler
2	BEND_12x22.5	BEND, 12" 22 1/2 DEGREE MJ	EA	1	\$369.03	\$369.03	Tyler
3	BEND_16x22.5	BEND, 16" 22 1/2 DEGREE MJ	EA	1	\$724.21	\$724.21	Tyler
4	BEND_20x22.5	BEND, 20" 22 1/2 DEGREE MJ	EA	1	\$1,216.94	\$1,216.94	Tyler
5	BEND_08x45	BEND, 8" 45 DEGREE MJ	EA	1	\$214.05	\$214.05	Tyler
6	BEND_12X45	BEND, 12" 45 DEGREE MJ	EA	1	\$403.47	\$403.47	Tyler
7	BEND_16X45	BEND, 16" 45 DEGREE MJ	EA	1	\$745.91	\$745.91	Tyler
8	TEE_04	TEE, 4", MJ	EA	1	\$178.81	\$178.81	Tyler
9	TEE_06	TEE, 6", MJ	EA	1	\$273.19	\$273.19	Tyler
10	TEE_08	TEE, 8", MJ	EA	1	\$361.17	\$361.17	Tyler
11	TEE_12	TEE, 12", MJ	EA	1	\$653.56	\$653.56	Tyler
12	TEE_06X04	TEE, 6" × 4", MJ	EA	1	\$253.37	\$253.37	Tyler
13	TEE_08X06	TEE, 8" x 6", MJ	EA	1	\$317.69	\$317.69	Tyler
14	TEE_12X04	TEE, 12" x 4", MJ	EA	1	\$472.19	\$472.19	Tyler
15	TEE_12X06	TEE, 12" x 6", MJ	EA	1	\$481.16	\$481.16	Tyler
16	PLGS_04	PLUG, 4" MJ	EA	1	\$30.83	\$30.83	Tyler
17	PLGS_06	PLUG, 6" MJ	EA	1	\$57.86	\$57.86	Tyler
18	PLGS_08	PLUG, 8" MJ	EA	1	\$85.37	\$85.37	Tyler
19	PLGS_12	PLUG, 12" MJ	EA	1	\$146.07	\$146.07	Tyler
20	NA	PLUG, 16" MJ	EA	1	\$384.60	\$384.60	Tyler
21	NA	REDUCER, 4" X 3", MJ x MJ	EA	1	\$118.09	\$118.09	Tyler

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22	REDUCER_06X04	REDUCER, 6" X 4", MJ x MJ	EA	1	\$133.21	\$133.21	Tyler
23	REDUCER_08X06	REDUCER, 8" X 6", MJ x MJ	EA	1	\$174.34	\$174.34	Tyler
24	REDUCER_12X06	REDUCER, 12" X 6", MJ x MJ	EA	1	\$258.44	\$258.44	Tyler
25	REDUCER_12X10	REDUCER, 12" X 10", MJLEB x PE	EA	1	\$275.50	\$275.50	Tyler
26	REDUCER_16X12	REDUCER, 16" X 12", MJ x MJ	EA	1	\$525.39	\$525.39	Tyler
27	NA	REDUCER, 20" X 12", PE x MJSEB	EA	1	\$693.58	\$693.58	Tyler
28	CPS_04	CAP, 4" MJ	EA	1	\$55.99	\$55.99	Tyler
29	CPS_06	CAP, 6" MJ	EA	1	\$83.83	\$83.83	Tyler
30	CPS_08	CAP, 8" MJ	EA	1	\$115.05	\$115.05	Tyler
31	NA	CAP, 10" MJ	EA	1	\$153.35	\$153.35	Tyler
32	NA	CAP, 12" MJ	EA	1	\$198.67	\$198.67	Tyler
33	NA	SLEEVE, SOLID 4"x12" DUAL PURPOSE	EA	2	\$406.65	\$813.30	Tyler
34	SLEEVE_06LP_DUO	SLEEVE, SOLID 6"x12" DUAL PURPOSE	EA	2	\$365.23	\$730.46	Tyler
35	SLEEVE_08SP_DUO	SLEEVE, SOLID 8"x12" DUAL PURPOSE	EA	2	\$480.24	\$960.48	Tyler
36	SLEEVE_10LP_DUO	SLEEVE, SOLID 10"x12" DUAL PURPOSE	EA	2	\$607.55	\$1,215.10	Tyler
37	SLEEVE_12LP_DUO	SLEEVE, SOLID 12"x12" DUAL PURPOSE	EA	2	\$995.58	\$1,991.16	Tyler
38	SLEEVE_14LP_DUO	DUO SLEEVE, 14" LP	EA	2	N/A	N/A	Tyler
39	SLEEVE_16LP_DUO	DUO SLEEVE, 16" LP	EA	2	\$2,225.30	\$4,450.60	Tyler
40	SLEEVE_20LP_DUO	DUO SLEEVE, 20" LP	EA	2	N/A	N/A	Tyler
41	SLEEVE_24LP_DUO	DUO SLEEVE, 24" LP	EA	2	N/A	N/A	Tyler
42	SLEEVE_04SP	SLEEVE, SOLID 4" MJ SHORT	EA	2	\$103.01	\$206.02	Tyler
43	SLEEVE_04LP	SLEEVE, SOLID 4" MJ LONG	EA	2	\$120.00	\$240.00	Tyler
44	SLEEVE_04SP	SLEEVE, SOLID 4" MJ SHORT	EA	2	\$103.01	\$206.02	Tyler
45	SLEEVE_06SP	SLEEVE, SOLID 6" MJ SHORT		2	\$152.56	\$305.12	Tyler
46	SLEEVE_06LP	SLEEVE, SOLID 6" MJ LONG	EA	2	\$177.09	\$354.18	Tyler

			ittings Percent	Discount from Lis	st Price (%)	10%		
					GROUP 1 SUBTO	DTAL	\$45,736.62	
61	NA	SLEEVE, SOLID 30" MJ SHORT		EA	2	\$2,839.37	\$5,678.74	Tyler
60	SLEEVE_24LP	SLEEVE, SOLID 24" MJ LONG		EA	2	\$1,458.68	\$2,917.36	Tyler
59	SLEEVE_24SP	SLEEVE, SOLID 24" MJ SHORT		EA	2	\$1,390.27	\$2,780.54	Tyler
58	SLEEVE_20LP	SLEEVE, SOLID 20" MJ LONG		EA	2	\$1,092.78	\$2,185.56	Tyler
57	SLEEVE_20SP	SLEEVE, SOLID 20" MJ SHORT		EA	2	\$1,037.11	\$2,074.22	Tyler
56	SLEEVE_16LP	SLEEVE, SOLID 16" MJ LONG		EA	2	\$684.91	\$1,369.82	Tyler
55	SLEEVE_16SP	SLEEVE, SOLID 16" MJ SHORT		EA	2	\$648.58	\$1,297.16	Tyler
54	SLEEVE_14LP	SLEEVE, SOLID 14" MJ LONG		EA	2	\$568.98	\$1,137.96	Tyler
53	NA	SLEEVE, SOLID 14" MJ SHORT		EA	2	\$546.80	\$1,093.60	Tyler
52	SLEEVE_12SP	SLEEVE, SOLID 12" MJ LONG		EA	2	\$382.24	\$764.48	Tyler
51	SLEEVE_12LP	SLEEVE, SOLID 12" MJ SHORT		EA	2	\$321.38	\$642.76	Tyler
50	SLEEVE_10LP	SLEEVE, SOLID 10" MJ LONG		EA	2	\$309.28	\$618.56	Tyler
49	SLEEVE_10SP	SLEEVE, SOLID 10" MJ SHORT		EA	2	\$292.30	\$584.60	Tyler
48	SLEEVE_08LP	SLEEVE, SOLID 8" DI MJ LONG		EA	2	\$243.30	\$486.60	Tyler
47	SLEEVE_08SP	SLEEVE, SOLID 8" MJ SHORT		EA	2	\$181.96	\$363.92	Tyler

#### **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	\$46.04	\$92.08	EBAA
63	MEG_04	GLAND, 4" MJ JOINT RESTRAINT	EA	6	\$44.14	\$264.84	EBAA

		Unlisted Mechanical Joint Restraint	Glands Percen	t Discount from Lis	t Price (%)	25%	
				GROUP 2 SUBTO	TAL	\$5,611.90	
70	MEG_20	GLAND, 20" MJ JOINT RESTRAINT	EA	2	\$373.59	\$747.18	EBAA
69	MEG_16	GLAND, 16" MJ JOINT RESTRAINT	EA	2	\$235.46	\$470.92	EBAA
68	MEG_14	MEGALUG 14"	EA	2	\$173.22	\$346.44	EBAA
67	MEG_12	GLAND, 12" MJ JOINT RESTRAINT	EA	2	\$132.96	\$265.92	EBAA
66	MEG_10	GLAND, 10" MJ JOINT RESTRAINT	EA	2	\$100.54	\$201.08	EBAA
65	MEG_08	GLAND, 8" MJ JOINT RESTRAINT	EA	8	\$70.59	\$564.72	EBAA
64	MEG_06	GLAND, 6" MJ JOINT RESTRAINT	EA	48	\$55.39	\$2,658.72	EBAA

## GROUP 3: DUCTILE IRON PIPE (Ductile Iron Pipe shall be provided in nominal 18-foot laying length sections. Quantity is for individual pipe sections.)

0

ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
71	PIPE_DI_04	PIPE, DUCTILE IRON 4"	L_Ft	54	\$39.33	\$2,123.82	USP
72	PIPE_DI_06	PIPE, DUCTILE IRON 6"	L_Ft	216	\$26.79	\$5,786.64	USP
73	PIPE_DI_08	PIPE, DUCTILE IRON 8"	L_Ft	54	\$35.28	\$1,905.12	USP
74	PIPE_DI_10	PIPE, DUCTILE IRON 10"	L_Ft	36	\$42.10	\$1,515.60	USP
75	PIPE_DI_12	PIPE, DUCTILE IRON 12"	L_Ft	36	\$54.07	\$1,946.52	USP
76	PIPE_DI_14	PIPE, DUCTILE IRON 14"	L_Ft	36	\$70.18	\$2,526.48	USP
77	PIPE_DI_16	PIPE, DUCTILE IRON 16"	L_Ft	36	\$87.49	\$3,149.64	USP
78	PIPE_DI_20	PIPE, DUCTILE IRON 20"	L_Ft	36	\$121.33	\$4,367.88	USP
79	PIPE_DI_24	PIPE, DUCTILE IRON 24"	L_Ft	36	\$163.95	\$5,902.20	USP
80	PIPE_DI_30	PIPE, DUCTILE IRON 30"	L_Ft	36	\$278.46	\$10,024.56	USP

81	NA	8MIL Black Polyethylene Encasement - "Poly Wrap" ANSI/AWWA C105/A21.5 Standard Dia 12"-14", 30" lav flat"	L_Ft	500 GF	\$0.52 ROUP 3 SUBTOTAL	\$260.00 \$39,508.46	Trumbull
		Unlisted Ductile Iron Pipe Percent Discount from List Price (%)				10%	
		GROUP 4: FIRE HYDRANTS				0	
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	\$70.95	\$141.90	EJ
83	EJ_WM_05.5	EJ 5BR250 FIRE HYDRANT, 5.5' BURY	EA	8	\$3,322.50	\$26,580.00	EJ
84	EJ_WM_05.5	EJ 5BR250 FIRE HYDRANT, 6' BURY	EA	4	\$3,384.32	\$13,537.28	EJ
85	EJ_WM_06	EJ 6" HYDRANT EXTENSION, SHAFT ONLY	EA	6	\$47.05	\$282.30	EJ
86	EJ_EXT_SHA_06	EJ 12" HYDRANT EXTENSION, SHAFT ONLY	EA	6	\$46.59	\$279.54	EJ
87	EJ_EXT_SHA_12	EJ 6BR 6" HYDRANT EXTENSION KIT	EA	6	\$404.48	\$2,426.88	EJ
88	NA	EJ 6BR 12" HYDRANT EXTENSION KIT	EA	6	\$494.45	\$2,966.70	EJ
89	NA	EJ 5BR250 12" HYDRANT EXTENSION KIT	EA	6	\$384.72	\$2,308.32	EJ
90	EJ_EXT_KIT_12	EJ 5BR250 6" HYDRANT EXTENSION KIT	EA	2	\$334.20	\$668.40	EJ
91	EJ_EXT_KIT_06	EJ 6BR CONVERSION CHATTER KIT	EA	2	\$768.36	\$1,536.72	EJ
92	EJ_06_BR_CHATTER_KIT	EJ 5BR CONVERSION KIT FOR TRAVERSE CITY	EA	4	\$3,982.52	\$15,930.08	EJ
93	EJ_5BR250_CONV_06	EJ 5BR250 BRK FLG REPAIR KIT, BLACK #00946447	EA	5	\$126.16	\$630.80	EJ
94	EJ_REPAIR_KIT_BLACK	EJ BR BRK FLG REPAIR KIT, RED #00946345	EA	12	\$158.00	\$1,896.00	EJ
95	EJ_REPAIR_KIT_RED	EJ 6BR VALVE SEAT	EA	24	\$127.33	\$3,055.92	EJ
96	NA	EJ 6BR VALVE SEAT O RINGS	EA	24	\$8.94	\$214.56	EJ
97	NA	EJ 6BR DRIP SHUT OFF	EA	24	No longer made per	EJ	EJ

98	NA	EJ 6BR VALVE WASHER	EA	24	No longer made p	er EJ	EJ
99	NA	EJ 5BR250 VALVE SEAT	EA	24	\$54.98	\$1,319.52	EJ
100	NA	EJ 5BR VALVE SEAT O RINGS	EA	24	\$6.17	\$148.08	EJ
101	NA	EJ, 2.5" HOSE NOZZLE (LOCK-IN TYPE) - 946014	EA	6	\$49.17	\$295.02	EJ
102	EJ_2.5_NOZZLE_LOCK	EJ, LOWER OPER STEM FOR 5.5ft HYD-EJIW PAR	EA	6	\$90.98	\$545.88	EJ
103	EJ_LOW_STEM_5.5FT	EJ, LOWER STEM 5FT	EA	5	\$86.16	\$430.80	EJ
104	EJ_LOW_STEM_5FT	EJ, LOWER OPER STEM FOR 6.5 ft HYD - EJIW CA	EA	5	\$98.75	\$493.75	EJ
105	EJ_LOW_STEM_6.5FT	EJ, OPERATING NUT - BR7-C BR7-D	EA	6	\$100.64	\$603.84	EJ
106	EJ_OPERATING_NUT	EJ, TOP OPERATING STEM, 21.5" - EJIW PART 946740	EA	6	\$83.55	\$501.30	EJ
107	EJ_TOP_STEM_21.5IN	EJ 5BR DRIP SHUT OFF	EA	6	\$124.07	\$744.42	EJ
108	EJ_DRIP_SHUT_OFF_BR5	EJ 5BR VALVE WASHER	EA	6	\$31.26	\$187.56	EJ
109	NA	HARRINGTON 5" STORZ NOZZLE CAP F/4-1/2" PORT	EA	10	\$356.22	\$3,562.20	EJ
				GR	OUP 4 SUBTOTAL	\$81,287.77	
		Unlisted F	Fire Hydran	t Parts Discount f	from List Price (%)	10%	
		GROUP 5: GATE VALVES					
(Indiv	vidual gate valves shall be pro	ovided with accessories packs including standard MJ glane rubber gaskets.)	ds, Cor-Blue	e bolts and plain		0	
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	\$569.66	\$569.66	EJ
111	RWV_03	GATE VALVE, 3" MJ		2	\$621.38	\$1,242.76	EJ
112	RWV_04	GATE VALVE, 4" MJ	EA	2	\$684.62	\$1,369.24	EJ
113	RWV_06	GATE VALVE, 6" MJ	EA	30	\$863.86	\$25,915.80	EJ
114	RWV_08	GATE VALVE, 8" MJ	EA	6	\$1,349.89	\$8,099.34	EJ

115	NA	GATE VALVE, 8" MJ x TAP	EA	24	\$1,709.70	\$41,032.80	EJ
116	RWV_10	GATE VALVE, 10" MJ	EA	2	\$2,096.89	\$4,193.78	EJ
117	RWV_12	GATE VALVE, 12" MJ	EA	2	\$2,621.86	\$5,243.72	EJ
118	RWV_14	GATE VALVE, 14" MJ	EA	2	\$7,894.38	\$15,788.76	EJ
119	RWV_16	GATE VALVE, 16" MJ	EA	2	\$8,554.63	\$17,109.26	EJ
120	RWV_20	GATE VALVE, 20" MJ	EA	1	\$20,217.49	\$20,217.49	EJ
121	NA	STAINLESS TAPPING SLEEVE, 12"X12"X8"	EA	4	\$979.23	\$3,916.92	Smith Blair
122	NA	STAINLESS TAPPING SLEEVE, 16"X16"X8"	EA	4	\$1,273.32	\$5,093.28	Smith Blair
123	NA	STAINLESS TAPPING SLEEVE, 20"X20"X8"	EA	4	\$1,442.99	\$5,771.96	Smith Blair
124	SSRCTS_06X06	SSTS 6" X 6" FLANGE	EA	1	\$566.00	\$566.00	Smith Blair
125	SSRCTS_08X06	SSTS 8" X 6" FLANGE	EA	1	\$589.93	\$589.93	Smith Blair
126	SSRCTS_12X06	SSTS 12" X 6" FLANGE	EA	1	\$780.55	\$780.55	Smith Blair
127	SSRCTS_16X06	SSTS 16" X 6" FLANGE	EA	1	\$1,171. <b>4</b> 6	\$1,171.46	Smith Blair
128	SSRCTS_20X06	SSTS 20" X 6" FLANGE	EA	1	\$1,358.86	\$1,358.86	Smith Blair
129	OPN01	2" AD OP Nut F/4"-12" 500 & 2500 Series Gate Valves	EA	50	\$67.77	\$3,388.50	AFC
				GROU	JP 5 SUBTOTAL	\$163,420.07	
		Unlisted Gate	e Valves	Percent Discount fro	om List Price (%)	25%	
		GROUP 6: CURB AND GATE BOXES				0	
ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
130	C_COMPLETE	CURB BOX, COMPLETE	EA	1	\$159.85	\$159.85	TYLER
131	C_TOP_HALF	CURB BOX, TOP HALF W/ LID	EA	300	\$92.04	\$27,612.00	TYLER

132	C BOX BOTTOM HALF	CURB BOX BOTTOM HALF	EA	300	\$68.63	\$20,589.00	TYLER
133	C_L_BASE	CURB BOX, LARGE BASE (BIGFOOT)	EA	60	\$32.30	\$1,938.00	TYLER
134	C_9_EXIT	CURB BOX EXTENSION, 9"	EA	30	\$30.68	\$920.40	TYLER
135	C_16_EXIT	CURB BOX EXTENSION, 16"	EA	30	\$33.11	\$993.30	TYLER
136	C_REPAIR_LID	CURB BOX REPAIR LID	EA	150	\$19.50	\$2,925.00	TYLER
137	NA	GATE BOX, COMPLETE	EA	1	\$283.60	\$283.60	EJ
138	G_TOP_HALF	GATE BOX TOP 1/2, WITH NO LID	EA	50	\$102.13	\$5,106.50	EJ
139	G_14_EXT	GATE BOX EXTENSION, 14"	EA	30	\$65.23	\$1,956.90	EJ
140	G_18_20_EXT	GATE BOX EXTENSION, 18" & 20"	EA	30	\$82.52	\$2,475.60	EJ
141	G_REG_BASE	GATE BOX REGULAR BASE (#6)	EA	10	\$83.64	\$836.40	EJ
142	G_SMALL_BASE	GATE BOX SMALL BASE (#4)	EA	40	\$68.58	\$2,743.20	EJ
143	NA	GATE BOX FIXED RISER	EA	2	\$70.88	\$141.76	TYLER
144	G_CHEATER	GATE BOX ADJUSTABLE RISER	EA	10	\$75.27	\$752.70	EJ
145	G_LID	GATE BOX LID	EA	50	\$25.81	\$1,290.50	EJ
146	G_BOTTOM_HALF	GATE BOX BOTTOM HALF - EJIW 85606030	EA	40	\$87.08	\$3,483.20	EJ
				GRC	OUP 6 SUBTOTAL	\$74,207.91	
		Unlisted Curb and Ga	te Boxes F	Percent Discount fr	om List Price (%)	10%	
		GROUP 7: EXTENDED RANGE COUPLINGS				0	
	(Extended range couplers	should be bid as long pattern. Short pattern will no be accepted)					
ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
147	COUP_03	Extended range coupler 3"	EA	2	\$179.43	\$358.86	ROMAC
148	COUP_04	4" EXTENDED RANGE COUPLING	EA	12	\$242.40	\$2,908.80	ROMAC

149	COUP 06	6" EXTENDED RANGE COUPLING	EA	40	\$315.56	\$12,622.40	ROMAC
150	COUP_08	8" EXTENDED RANGE COUPLING	EA	4	\$371.76	\$1,487.04	ROMAC
151	COUP 10	10" EXTENDED RANGE COUPLING	EA	4	\$414.60	\$1,658.40	ROMAC
		12" EXTENDED RANGE COUPLING	EA	4	\$500.25	\$2,001.00	ROMAC
152	COUP_12		EA	4	\$500.25	\$2,001.00	ROMAC
153	COUP_14	Extended Range Coupler 14"	EA	4	\$903.64	\$3,614.56	ROMAC
154	COUP_16	Extended Range Coupler 16"	EA	4	\$1,076.10	\$4,304.40	ROMAC
				GRO	OUP 7 SUBTOTAL	\$28,955.46	
		Unlisted Extended Range	Couplings F	Percent Discount f	rom List Price (%)	25%	
	GROUP 8: P	RECAST CATCHBASIN/MANHOLE STRUCTURES - AST	TM C-478			0	
ITEM	GROUP 8: P MATERIAL UID	RECAST CATCHBASIN/MANHOLE STRUCTURES - AST DESCRIPTION	TM C-478 UNIT	ESTIMATED QUANTITY	UNIT COST	0 TOTAL COST	BRAND QUOTED
<b>ITEM</b> 155					<b>UNIT COST</b> \$403.95		BRAND QUOTED
	MATERIAL UID	DESCRIPTION	UNIT	QUANTITY		TOTAL COST	
155	MATERIAL UID SINLETS023	DESCRIPTION PRECAST SUMP – 24" ID X 24" H PRECAST SUMP – 48" OD X 36" ID X 32" H MANHOLE – 36" OD x 24" ID X 55" H W/ 6" AND 12" TAP TO ORDER	<b>UNIT</b> EA	QUANTITY 6	\$403.95	<b>TOTAL COST</b> \$2,423.70	Carlesimo
155 156	MATERIAL UID SINLETS023 SINLETS046	DESCRIPTION PRECAST SUMP – 24" ID X 24" H PRECAST SUMP – 48" OD X 36" ID X 32" H	UNIT EA EA	QUANTITY 6 6	\$403.95 \$559.59	<b>TOTAL COST</b> \$2,423.70 \$3,357.54	Carlesimo Carlesimo
155 156 157	MATERIAL UID SINLETS023 SINLETS046 SINLETS047	DESCRIPTION PRECAST SUMP – 24" ID X 24" H PRECAST SUMP – 48" OD X 36" ID X 32" H MANHOLE – 36" OD x 24" ID X 55" H W/ 6" AND 12" TAP TO ORDER ROUND SLAB, 5' X 8" W/36"X24" OPENING	UNIT EA EA EA	QUANTITY 6 6 6 6	\$403.95 \$559.59 \$625.06	<b>TOTAL COST</b> \$2,423.70 \$3,357.54 \$3,750.36	Carlesimo Carlesimo Carlesimo

**GROUP 9: BRASS FITTINGS** 

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ITEM	MATERIAL UID	DESCRIPTION	LINIT	STIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
159	CORP_0.75X0.75	CORPORATION, 3/4"	EA	30	\$32.79	\$983.70	AY McDONALD
160	CORP_0.75X01	CORPORATION, 3/4" X 1"	EA	200	\$40.65	\$8,130.00	AY McDONALD
161	CORP_01X01	CORPORATION, 1"	EA	40	\$50.11	\$2,004.40	AY McDONALD
162	NA	CORPORATION, 1" C-C X 1-1/4" FLR	EA	100	\$95.92	\$9,592.00	AY McDONALD
163	CORP_01.25X01.25	CORPORATION, 1-1/4"	EA	4	\$146.83	\$587.32	AY McDONALD
164	CORP_01.5x01.5	CORPORATION, 1-1/2"	EA	48	\$153.70	\$7,377.60	AY McDONALD
165	CORP_01.5x02	CORPORATION, 1-1/2" C-C X 2" FLR	EA	75	\$213.08	\$15,981.00	AY McDONALD
166	CORP_02X02	CORPORATION, 2"	EA	12	\$268.47	\$3,221.64	AY McDONALD
167	SADDLE_04X01	SADDLE, 4" X 1"	EA	2	\$94.71	\$189.42	AY McDONALD
168	SADDLE_04X01.5	SADDLE, 4" X 1 1/2"	EA	2	\$110.46	\$220.92	AY McDONALD
169	SADDLE_06X01.25	SADDLE, 6" X 1 1/4"	EA	2	\$127.65	\$255.30	AY McDONALD
170	SADDLE_06X01.5	SADDLE, 6" X 1 1/2"	EA	4	\$127.55	\$510.20	AY McDONALD
171	SADDLE_08X01.5	SADDLE, 8" X 1 1/2"	EA	75	\$145.35	\$10,901.25	AY McDONALD
172	SADDLE_10X01.5	SADDLE, 10" X 1 1/2"	EA	2	\$187.84	\$375.68	AY McDONALD
173	SADDLE_12X01.5	SADDLE, 12" X 1 1/2"	EA	36	\$225.76	\$8,127.36	AY McDONALD
174	SADDLE_12X02	SADDLE, 12" X 2"	EA	2	\$229.84	\$459.68	AY McDONALD
175	SADDLE_16X01.5	SADDLE, 16" X 1 1/2"	EA	2	\$343.31	\$686.62	AY McDONALD
176	SADDLE_20X01.5	SADDLE, 20" X 1 1/2"	EA	2	\$407.09	\$814.18	AY McDONALD
177	STOP75	STOP, 3/4" C-C	EA	6	\$72.35	\$434.10	AY McDONALD
178	STOP_01	CURB STOP, 1" C-C	EA	75	\$99.88	\$7,491.00	AY McDONALD
179	STOP_01.25	CURB STOP, 1-1/4" C-C	EA	2	\$170.14	\$340.28	AY McDONALD
180	STOP_01.5	CURB STOP, 1-1/2" C-C	EA	36	\$242.68	\$8,736.48	AY McDONALD
181	STOP_02	CURB STOP, 2" C-C	EA	24	\$397.22	\$9,533.28	AY McDONALD
101	510P_02	UUNB STUF, 2 0-0		27	4001.EZ	ψ0,000.20	AT MODOWAL

182	CIPF_0.75	STRAIGHT COUPLING, 3/4" X 3/4" FNPT X FFLR	EA	6	\$11.74	\$70.44	AY McDONALD
183	CIPF_01	STRAIGHT COUPLING, 1" X 1" FNPT X FFLR	EA	6	\$19.84	\$119.04	AY McDONALD
184	CIPF_01.25	STRAIGHT COUPLING, 1-1/4" X 1-1/4" FNPT X FFLR	EA	6	\$30.38	\$182.28	AY McDONALD
185	CIPF_01.5	STRÀIGHT COUPLING, 1-1/2" X 1-1/2" FNPT X FFLR	EA	6	\$42.20	\$253.20	AY McDONALD
186	NA	STRAIGHT COUPLING, 2" X 2" FNPT X FFLR	EA	12	\$72.31	\$867.72	AY McDONALD
187	CCC_0.75	TWO-PART UNION, 3/4"	EA	24	\$15.99	\$383.76	AY McDONALD
188	CCC_01	TWO-PART UNION, 1"	EA	150	\$24.77	\$3,715.50	AY McDONALD
189	CCC_01.25	TWO-PART UNION, 1-1/4"	EA	60	\$44.97	\$2,698.20	AY McDONALD
190	CCC_01.5	TWO-PART UNION, 1-1/2"	EA	16	\$59.70	\$955.20	AY McDONALD
191	CCC_02	TWO-PART UNION, 2"	EA	48	\$115.41	\$5,539.68	AY McDONALD
192	NA	1-1/2" TEE	EA	2	\$149.37	\$298.74	AY McDONALD
193	NA	2" TEE	EA	2	\$280.26	\$560.52	AY McDONALD
194	NA	1-1/2" QUARTER BEND (90)	EA	2	\$135.71	\$271.42	AY McDONALD
195	NA	2" QUARTER BEND (90)	EA	2	\$187.04	\$374.08	AY McDONALD
196	PPN_01X0.75	1" X 3/4" COPPER FLR X FFLR (PIGGY BACK NUT)	EA	140	\$22.00	\$3,080.00	AY McDONALD
197	PPN_01.5X01.25	1-1/2" X 1-1/4" COPPER FLR X FFLR (PIGGY BACK	EA	6	\$87.00	\$522.00	AY McDONALD
198	PPN_02X01.5	NUT) 2" X 1-1/2" COPPER FLR X FFLR (PIGGY BACK NUT)	EA	6	N/A	N/A	AY McDONALD
199	NA	1-1/4" X 1-1/2" FFLR X COPPER FLR	EA	6	\$87.00	\$522.00	AY McDONALD
200	PPN_01X01.25	PIGGYBACK NUT 1"X1-1/4"	EA	6	\$57.58	\$345.48	AY McDONALD
201	PPN_01.25X01.5	PIGGYBACK NUT 1-1/2" x 1-1/4"	EA	6	N/A	N/A	AY McDONALD
202	PPN_1.5X02	PIGGYBACK NUT 1-1/2" x 2"	EA	6	\$150.08	\$900.48	AY McDONALD
203	PPN_01.25X01	PIGGYBACK NUT 1-1/2" x 1"	EA	6	\$78.75	\$472.50	AY McDONALD

**GROUP 9 SUBTOTAL** 

\$119,085.65

#### **GROUP 10: WATER METER ACCESSORIES**

**ESTIMATED** ITEM MATERIAL UID DESCRIPTION UNIT **UNIT COST TOTAL COST BRAND QUOTED** QUANTITY 204 MT-MH-3.4 METER HORN, 3/4" X 1" X 1" EA 150 \$79.84 \$11,976.00 AY McDONALD MT-MH-1 METER HORN, 1" X 1" X 1" EA 60 \$128.48 205 \$7,708,80 AY McDONALD WTRMTR3.4TANDEM TANDEM RESETTER, 3/4" X 3/4" EA 2 \$213.09 206 \$426.18 AY McDONALD 207 MT-FLG-1.5 1 1/2" Brass Meter Flanges EA 60 \$48.22 \$2,893.20 AY McDONALD 208 MT-FLG-2 2" Brass Meter Flanges EA 40 \$62.95 \$2,518.00 AY McDONALD PR 209 MTR ADAPTER 3/4 METER ADAPTER, 5/8" X 3/4", PAIR 40 \$7.37 \$294.80 AY McDONALD 210 NA PRESSURE REDUCING VALVE, 3/4" EA 1 \$780.00 \$780.00 Watts 211 NA PRESSURE REDUCING VALVE, 1" EA \$1,190.00 1 \$1,190.00 Watts PRESSURE REDUCING VALVE, 1-1/4" EA 212 NA 1 \$2,295.00 \$2,295.00 Watts PRESSURE REDUCING VALVE, 1-1/2" EA 213 NA 1 \$2,575.00 \$2,575.00 Watts 214 NA PRESSURE REDUCING VALVE, 2" EΑ 1 \$3,750.00 \$3,750.00 Watts RPZA-1 **REDUCED PRESSURE ZONE ASSEMBLY, 1"** EA 215 1 \$345.00 \$345.00 Watts RPZA-2 **REDUCED PRESSURE ZONE ASSEMBLY, 2"** 216 EA 20 \$765.00 \$15,300.00 Watts **GROUP 10 SUBTOTAL** \$52,051.98

Unlisted Water Meter Accessories Percent Discount from List Price (\$)

25%

25%

0

**GROUP 11: CASTINGS** 

0

MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
NA	FRAME-INLET- EJIW - 7035Z	EA	30	\$298.40	\$8,952.00	EJ
NA	GRATE-INLET- EJIW -7030M6 Grate	EA	30	\$195.35	\$5,860.50	EJ
NA	BACK-INLET-EJIW-7030T1	EA	60	\$301.80	\$18,108.00	EJ
NA	Grade Ring - MH - 24" ID x 1.25"h - Ladtech or equal	EA	1	\$30.70	\$30.70	Ladtech
NA	Grade Ring - MH - 24" ID x 1.50"h - Ladtech or equal	EA	1	\$30.70	\$30.70	Ladtech
NA	Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal	EA	1	\$30.70	\$30.70	Ladtech
SINLETS017	FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 5000Z - EJIW	EA	1	\$239.15	<b>\$239</b> .15	EJ
SINLETS019	FRAME-INLET-RD FLANGE-34"OD - EJIW - 5080	EA	3	\$316.80	\$950.40	EJ
SINLETS020	Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIW	EA	3	\$173.75	\$521.25	EJ
SINLETS021	Grate - Inlet - Beehive - 26" OD x 6"h - 1040 T2 EJIW	EA	1	\$222.00	\$222.00	EJ
SINLETS022	GRATE-INLET-BEEHIVE-23" OD x 7"H - 1020 T2 - EJIW	EA	1	\$351.00	\$351.00	EJ
SINLETS024	FRAME-INLET CURB-RD FLANGE - 7045KZ - EJIW	EA	24	\$386.30	\$9,271.20	EJ
SINLETS025	BACK-INLET CURB-ROLLED CURB-7050 T1 - EJIW - 7050 Type 1	EA	6	\$149.20	\$895.20	EJ
SINLETS026	GRATE-INLET CURB-7045M1	EA	6	\$181.90	\$1,091.40	EJ
SINLETS029	GRATE-INLET CURB - NEENAH R-3249-F	EA	2	No Quote	No Quote	EJ
SINLETS036	EJ 7060T1 CURB INLET HOOD	EA	2	\$159.40	\$318.80	EJ
SINLETS037	GRATE-INLET-RD-FLAT-26" OD-1040 M1	EA	2	\$212.25	\$424.50	EJ
SINLETS038	E.IIW	EA	2	\$222.00	\$444.00	EJ
SMANHOL016	Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx1.5" -	EA	2	\$39.50	\$79.00	Ladtech
SMANHOL017	Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx2.25" - Ladtech or equal	EA	4	\$39.50	\$158.00	Ladtech
SMANHOL018	Grade Ring - MH - 24" ID x 4.0"h - Ladtech or equal	EA	2	\$65.40	\$130.80	Ladtech
SMANHOL020	FRAME/COVER ASSY-MH-BOLT DOWN-1045Z W/1040APT - EJIW	EA	2	\$566.00	\$1,132.00	EJ
SMANHOL021	FRAME/COVER ASSY-MH-BOLT DWN-1040Z W/1040APT - EJIW	EA	2	\$607.30	\$1,214.60	EJ
	NA NA NA NA NA SINLETS017 SINLETS019 SINLETS020 SINLETS020 SINLETS022 SINLETS022 SINLETS025 SINLETS025 SINLETS026 SINLETS026 SINLETS036 SINLETS037 SINLETS037 SINLETS038 SMANHOL016 SMANHOL017 SMANHOL018 SMANHOL018	NAFRAME-INLET- EJIW - 7035ZNAGRATE-INLET- EJIW -7030M6 GrateNABACK-INLET-EJIW -7030T1NAGrade Ring - MH - 24" ID x 1.25"h - Ladtech or equalNAGrade Ring - MH - 24" ID x 1.50"h - Ladtech or equalNAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalNAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalNAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalSINLETS017FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 50002 - EJIWSINLETS019FRAME-INLET-RD FLANGE-34"OD - EJIW - 5080SINLETS020Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIWSINLETS021Grate - Inlet - Beehive - 26" OD x 6"h - 1040 T2 EJIWSINLETS022GRATE-INLET CURB-RD FLANGE - 7045KZ - EJIWSINLETS023- 7050 Type 1SINLETS024FRAME-INLET CURB-RD FLANGE - 7045KZ - EJIWSINLETS025- 7050 Type 1SINLETS026GRATE-INLET CURB-ROLLED CURB-7050 T1 - EJIWSINLETS029GRATE-INLET CURB - NEENAH R-3249-FSINLETS036EJ 7060T1 CURB INLET HOODSINLETS037GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWSMANHOL016Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx1.5" - Ladtech or equalSMANHOL017Grade Ring - MH - 30" spec - 39.5"ODx29.75"IDx2.25" - Ladtech or equalSMANHOL018Grade Ring - MH - 24" ID x 4.0"h - Ladtech or equalSMANHOL019FRAME/COVER ASSY-MH-BOLT DOWN-1045Z W/1040APT - EJIWSMANHOL020FRAME/COVER ASSY-MH-BOLT DWN-1040Z	NAFRAME-INLET- EJIW - 7035ZEANAGRATE-INLET- EJIW - 7030M6 GrateEANABACK-INLET- EJIW - 7030M6 GrateEANABACK-INLET-EJIW-7030T1EANAGrade Ring - MH - 24" ID x 1.50"h - Ladtech or equalEANAGrade Ring - MH - 24" ID x 1.50"h - Ladtech or equalEANAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEANAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEASINLETS017FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 50002 - EJIWEASINLETS019FRAME-INLET-RD FLANGE-34"OD - EJIW - 5080EASINLETS020Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIWEASINLETS021Grate - Inlet - Reehive - 26" OD x 6"h - 1040 T2 EJIWEASINLETS022EJIWSINLET CURB-RO FLANGE - 7045KZ - EJIWEASINLETS024FRAME-INLET CURB-RO FLANGE - 7045KZ - EJIWEASINLETS025-ACK-INLET CURB-ROLLED CURB-7050 T1 - EJIW - 7050 Tvoe 1EASINLETS029GRATE-INLET CURB-ROLLED CURB-7050 T1 - EJIW - RAEASINLETS036EJ 7060T1 CURB INLET HOODEASINLETS037GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWEASINLETS038GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWEASINLETS038Grade Ring - MH - 3	MATERIAL UIDDESCRIPTIONUNITQUANTITYNAFRAME-INLET- EJIW - 7035ZEA30NAGRATE-INLET- EJIW - 7030M6 GrateEA30NABACK-INLET- EJIW - 7030T1EA60NAGrade Ring - MH - 24" ID x 1.25"h - Ladtech or equalEA1NAGrade Ring - MH - 24" ID x 1.50"h - Ladtech or equalEA1NAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEA1NAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEA1SINLETS017FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 50002 - EJIWEA3SINLETS019FRAME-INLET-REC FLANGE-32"X23.75" WIDTH - 50002 - EJIWEA3SINLETS020Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIWEA3SINLETS021Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIWEA1SINLETS022EJIWGRATE-INLET-BEEHIVE-23" OD x 7"H - 1020 T2 - EJIWEA1SINLETS024FRAME-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6SINLETS025ACK-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6SINLETS026GRATE-INLET CURB - NEENAH R-3249-FEA2SINLETS037GRATE-INLET CURB - NEENAH R-3249-FEA2SINLETS038GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWEA2SINLETS038GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWEA2SINLETS038GRATE-INLET-OVAL-26" OD X 3.25"H-1040 TN - EJIWEA2SINLETS038GRATE-INLET-O	MATERIAL UIDDESCRIPTIONUNITQUANTITYUNIT COSTNAFRAME-INLET- EJIW - 7035ZEA30\$298.40NAGRATE-INLET- EJIW - 7030M6 GrateEA30\$195.35NABACK-INLET- EJIW - 7030T1EA60\$301.80NAGrade Ring - MH - 24" ID x 1.25"h - Ladtech or equalEA1\$30.70NAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEA1\$30.70NAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEA1\$30.70NAGrade Ring - MH - 24" ID x 2.0"h - Ladtech or equalEA1\$239.15SINLETS017FRAME-INLET-REC FLANGE-34"CD - EJIW - 5080EA3\$316.80SINLETS020Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIWEA1\$222.00SINLETS021Grate - Inlet - BeehIWe - 23" OD x "h - 1040 T2 EJIWEA1\$351.00SINLETS022EJIWGRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA1\$351.00SINLETS024FRAME-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20SINLETS025GRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20SINLETS026GRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20SINLETS026GRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20SINLETS026GRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20SINLETS027GRATE-INLET CURB-RO FLANGE - 7045KZ - EJIWEA6\$149.20 <t< td=""><td>MATERIAL UID         DESCRIPTION         UNIT         QUANTITY         UNIT COST         TOTAL COST           NA         FRAME-INLET- EJIW - 7030Z         EA         30         \$298.40         \$8,952.00           NA         GRATE-INLET- EJIW - 7030M6 Grate         EA         30         \$195.35         \$5,860.50           NA         GRATE-INLET- EJIW - 7030T1         EA         60         \$301.80         \$18,108.00           NA         Grade Ring - MH - 24" ID x 1.25"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 1.50"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           SINLETS017         FRAME-INLET-REC FLANGE-34"CD - EJIW - 5000         EA         3         \$316.80         \$950.40           SINLETS020         Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIW         EA         1         \$3222</td></t<>	MATERIAL UID         DESCRIPTION         UNIT         QUANTITY         UNIT COST         TOTAL COST           NA         FRAME-INLET- EJIW - 7030Z         EA         30         \$298.40         \$8,952.00           NA         GRATE-INLET- EJIW - 7030M6 Grate         EA         30         \$195.35         \$5,860.50           NA         GRATE-INLET- EJIW - 7030T1         EA         60         \$301.80         \$18,108.00           NA         Grade Ring - MH - 24" ID x 1.25"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 1.50"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           NA         Grade Ring - MH - 24" ID x 2.0"h - Ladtech or equal         EA         1         \$30.70         \$30.70           SINLETS017         FRAME-INLET-REC FLANGE-34"CD - EJIW - 5000         EA         3         \$316.80         \$950.40           SINLETS020         Grate - Inlet - Rec 22.75"x17.75" - 5000 M2 EJIW         EA         1         \$3222

240	SMANHOL023	COVER-MH-26" OD-STORM-CITY ART-1040A -	EA	10	\$227.95	\$2,279.50	EJ
241	SMANHOL024	EJIW FRAME-MH-39"OD, 24" ID, 7"H-26OD CVR-1040 -	EA	10	\$318.35	\$3,183.50	EJ
242	SMANHOL026	EJIW COVER-MH-26" OD-SANITARY-CITY ART-1040A -	EA	10	\$349.60	\$3,496.00	EJ
243	SMANHOL027	EJIW COVER-MH-26" OD-SEWER-GENERIC-1040A - EJIW	EA	1	\$227.95	\$227.95	EJ
244	SMANHOL028	COVER-MH-26" OD -WATER-CITY ART-1040A -	EA	1	\$227.95	\$227.95	EJ
245	SMANHOL029	EJIW COVER-MH-26" OD-WATER-GENERIC-1040A - EJIW	EA	1	\$227.95	\$227.95	EJ
246	SMANHOL030	FRAME-MH-36"OD, 24" ID, 4"H-26OD CVR-1046Z - EJIW	EA	1	\$277.10	\$277.10	EJ
247	SMANHOL031	FRAME-MH-36", 24" ID-BOLT DOWN-1040Z - EJIW	EA	1	\$363.60	\$363.60	EJ
248	SMANHOL032	COVER-MH-1000C - EJIW	EA	1	\$214.65	\$214.65	EJ
				GRO	UP 11 SUBTOTAL	\$60,954.10	
				anaant Diagount f	rom List Price (%)	25%	
		Unlisted	d Castings F	rercent Discount n	om List Price (%)	2370	
	GF	Unlisted	d Castings F	rercent Discount n	UN LIST FICE (%)		
						0	
ITEM		OUP 12: TRAVERSE CITY FIRE HYDRANT PARTS			UNIT COST		BRAND QUOTED
<b>ITEM</b> 249	(Reference diagram	OUP 12: TRAVERSE CITY FIRE HYDRANT PARTS in in specifications for description of Traverse City Fire Hy	vdrant parts.)	ESTIMATED		0	BRAND QUOTED TCIW
	(Reference diagram	ROUP 12: TRAVERSE CITY FIRE HYDRANT PARTS in in specifications for description of Traverse City Fire Hy DESCRIPTION	vdrant parts.) UNIT	ESTIMATED QUANTITY	UNIT COST	0 TOTAL COST	
249	(Reference diagram MATERIAL UID TC_COPPER_GASKET	<b>ROUP 12: TRAVERSE CITY FIRE HYDRANT PARTS</b> in in specifications for description of Traverse City Fire Hy <b>DESCRIPTION</b> COPPER GASKETS–USED WITH <b>#</b> 5 ONLY (1 XI) BRONZE STUD 1/2" (2 R)	udrant parts.) UNIT EA	ESTIMATED QUANTITY 2	UNIT COST \$30.80	0 TOTAL COST \$61.60	TCIW
249 250	(Reference diagram MATERIAL UID TC_COPPER_GASKET NA TC_BREAT_NUT_BOLT_3"	<b>ROUP 12: TRAVERSE CITY FIRE HYDRANT PARTS</b> in in specifications for description of Traverse City Fire Hy <b>DESCRIPTION</b> COPPER GASKETS–USED WITH #5 ONLY (1 XI) BRONZE STUD 1/2" (2 R)	udrant parts.) UNIT EA EA	ESTIMATED QUANTITY 2 2	UNIT COST \$30.80 \$44.00	0 TOTAL COST \$61.60 \$88.00	TCIW TCIW
249 250 251	(Reference diagram MATERIAL UID TC_COPPER_GASKET NA TC_BREAT_NUT_BOLT_3"	<b>COUP 12: TRAVERSE CITY FIRE HYDRANT PARTS</b> in in specifications for description of Traverse City Fire Hy <b>DESCRIPTION</b> COPPER GASKETS–USED WITH #5 ONLY (1 XI) BRONZE STUD 1/2" (2 R) BRONZE NUT 1/2" (3 R) CAST IRON TOP NUT (4 T)	udrant parts.) UNIT EA EA EA	ESTIMATED QUANTITY 2 2 2 2	UNIT COST \$30.80 \$44.00 \$5.28	0 TOTAL COST \$61.60 \$88.00 \$10.56	TCIW TCIW TCIW
249 250 251 252	(Reference diagram MATERIAL UID TC_COPPER_GASKET NA TC_BREAT_NUT_BOLT_3" COMES AS PART OF THE	<b>COUP 12: TRAVERSE CITY FIRE HYDRANT PARTS</b> in in specifications for description of Traverse City Fire Hy <b>DESCRIPTION</b> COPPER GASKETS–USED WITH #5 ONLY (1 XI) BRONZE STUD 1/2" (2 R) BRONZE NUT 1/2" (3 R) CAST IRON TOP NUT (4 T)	udrant parts.) UNIT EA EA EA EA	ESTIMATED QUANTITY 2 2 2 2 2 2	UNIT COST \$30.80 \$44.00 \$5.28 \$76.56	0 TOTAL COST \$61.60 \$88.00 \$10.56 \$153.12	TCIW TCIW TCIW TCIW
249 250 251 252 253	(Reference diagram MATERIAL UID TC_COPPER_GASKET NA TC_BREAT_NUT_BOLT_3" COMES AS PART OF THE TC_STUFF_BOX_O-RING	<b>ROUP 12: TRAVERSE CITY FIRE HYDRANT PARTS</b> <i>in in specifications for description of Traverse City Fire Hy</i> <b>DESCRIPTION</b> COPPER GASKETS–USED WITH #5 ONLY (1 XI) BRONZE STUD 1/2" (2 R) BRONZE NUT 1/2" (3 R) CAST IRON TOP NUT (4 T) (5 F)	udrant parts.) UNIT EA EA EA EA EA	ESTIMATED QUANTITY 2 2 2 2 2 2 2 2 2	UNIT COST \$30.80 \$44.00 \$5.28 \$76.56 \$360.80	0 TOTAL COST \$61.60 \$88.00 \$10.56 \$153.12 \$721.60	TCIW TCIW TCIW TCIW TCIW

257	NA	HOSE NOZZLE CAP GASKET (12 X2)	EA	2	\$16.72	\$33.44	TCIW
258	NA	PUMPER NOZZLE CAP GASKET (2 X2)	EA	2	\$16.72	\$33.44	TCIW
259	NA	HOSE NOZZLE CAP WITH GASKET (13 E)	EA	2	\$178.64	\$357.28	TCIW
260	NA	PUMPER NOZZLE CAP WITH GASKET (14 E)	EA	2	\$308.00	\$616.00	TCIW
261	NA	STAINLESS STEEL COTTER PIN (16 W)	EA	2	\$12.32	\$24.64	TCIW
262	TC_GASKET_FULL_FACE	FULL FACE GASKET (17 X)	EA	12	\$73.92	\$887.04	TCIW
263	TC_RUBBER_GASKET	LIPPED GASKET (17)	EA	12	\$73.92	\$887.04	TCIW
264	NA	BREAK FLANGE O-RING (XB)	EA	2	\$136.40	\$272.80	TCIW
265	NA	LOCK RING (18)	EA	2	\$46.64	\$93.28	TCIW
266	NA	UPPER ROD (TRAFFIC MODEL ONLY) (19 DB)	EA	2	\$227.04	\$454.08	TCIW
267	NA	BARREL (TRAFFIC MODEL) – 3'0" (20 BB)	EA	2	N/A	N/A	TCIW
268	NA	ADD FOR EACH ADDITIONAL 6" OF BARREL	EA	2	N/A	N/A	TCIW
269	NA	HEX NUT (21)	EA	2	\$5.28	\$10.56	TCIW
270	NA	HEX BOLT (22)	EA	2	\$5.28	\$10.56	TCIW
271	TC_EXT_STEM_CPLG	EXTENSION STEM COUPLING(B)	EA	6	\$249.92	\$1,499.52	TCIW
272	NA	(HS)	EA	2	\$3,687.20	\$7,374.40	TCIW
273	TC_BREAT_NUT_BOLT_3"	BREAKABLE BOLT & NUT-1 EACH (23,25 VB)	EA	2	\$44.00	\$88.00	TCIW
274	NA	BARREL FLANGE (24)	EA	2	\$279.84	\$559.68	TCIW
275	NA	FLANGE BOLT & NUT-1 EACH (25,29V)	EA	2	\$28.16	\$56.32	TCIW
276	NA	BREAKABLE COUPLING (26 CB)	EA	2	\$124.96	\$249.92	TCIW
277	NA	LOWER ROD-PER FOOT (27 D)	EA	2	\$92.40	\$184.80	TCIW
278	NA	BARREL (NON-TRAFFIC)-3'0" (28)	EA	2	N/A	N/A	TCIW
279	NA	ADD FOR EACH ADDITIONAL 6" OF BARREL	EA	2	N/A	N/A	TCIW
280	NA	BRONZE STEM (30 S)	EA	2	\$1,462.57	\$2,925.14	TCIW
281	NA	NAILS (31 H)	EA	2	\$831.60	\$1,663.20	TCIW

282	NA	O-RING SEALS-REQUIRES 2 (32 Z)	EA	2	\$5.28	\$10.56	TCIW
283	TC_VALVE_TOP_PIECE	VALVE TOP PIECE (33 K)	EA	12	\$328.24	\$3,938.88	TCIW
284	TC_MAIN_VALVE_RUBBE	R MOLDED VALVE RUBBER (34 J)	EA	12	\$132.00	\$1,584.00	TCIW
285	NA	BRONZE VALVE SEAT (35 M)	EA	12	\$365.20	\$4,382.40	TCIW
286	TC_VALVE_BOTTOM	VALVE BOTTOM PIECE (36 L)	EA	12	\$161.92	\$1,943.04	TCIW
287	NA	BRONZE VALVE NUT (37 N)	EA	2	\$215.60	\$431.20	TCIW
288	NA	(38 O)	EA	2	\$83.60	\$167.20	TCIW
289	NA	SET SCREW (40)	EA	2	\$5.28	\$10.56	TCIW
290	NA	DRIP VALVE LEATHER WITH NAILS & RIVET SET (41 I)	EA	2	\$136.40	\$272.80	TCIW
291	NA	RIVET OR DRIP NAIL-SET OF 5 (58)	EA	2	\$5.28	\$10.56	TCIW
292	TC_LOW_STEM_7FT	TC, LOWER STEM 7FT	EA	2	N/A	N/A	TCIW
				GROL	JP 12 SUBTOTAL	\$34,221.46	
		Unlisted Traverse City Fire Hyd	drant Parts Pe	rcent Discount fr	om List Price (%)	15%	

GROUP	13: STAINL	ESS STEEL	REPAIR	CLAMPS
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ITEM	MATERIAL UID	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	BRAND QUOTED
293	SSRCTS_04X08X1	SSTS 4" X 1" CC SP	EA	1	\$111.50	\$111.50	JCM
294	SSRCTS_04X08X1.5	SSTS 4" X 1-1/2" CC SP	EA	1	\$136.50	\$136.50	JCM
295	SSRCTS_04X12X1	SSTS 4" X 1" CC LP	EA	1	\$153.50	\$153.50	JCM
296	SSRCTS_04X12X1.5	SSTS 4" X 1-1/2" CC LP	EA	1	\$178.50	\$178.50	JCM
297	SSRCTS_06X08X1	SSTS 6" X 1" CC SP	EA	1	\$125.00	\$125.00	JCM
298	SSRCTS_06X12X1	SSTS 6" X 1" CC LP	EA	1	\$180.00	\$180.00	JCM

299	SSRCTS_06X12X1.5	SSTS 6" X 1-1/2" CC	EA	1	\$193.50	\$193.50	JCM
300	SSRCTS_06X12X2	SSTS 6" X 2" CC	EA	1	\$215.50	\$215.50	JCM
301	SSRCTS_08X08X1	SSTS 8" X 1" CC SP	EA	1	\$140.00	\$140.00	JCM
302	SSRCTS_08X12X1	SSTS 8" X 1" CC LP	EA	1	\$203.00	\$203.00	JCM
303	SSRCTS_08X20X1.5	SSTS 8" X 1-1/2" CC	EA	1	\$341.00	\$341.00	JCM
304	SSRCTS_10X10X1.5	SSTS 10" X 1-1/2" CC	EA	1	\$270.50	\$270.50	JCM
305	SSRCTS_12X1.5	SSTS 12" X 1-1/2" CC	EA	1	\$312.50	\$312.50	JCM
306	SSRCTS_12X12X1	SSTS 12" X 1" CC	EA	1	\$287.00	\$287.00	JCM
307	SSRC_04X08	SSRC 4" X 8"	EA	2	\$76.50	\$153.00	JCM
308	SSRC_04X12	SSRC 4" X 12"	EA	2	\$118.50	\$237.00	JCM
309	SSRC_04X20	SSRC 4" X 20"	EA	2	\$195.50	\$391.00	JCM
310	SSRC_04X25	SSRC 4" X 25"	EA	2	\$241.00	\$482.00	JCM
311	SSRC_04X30	SSRC 4" X 30"	EA	2	\$270.50	\$541.00	JCM
312	SSRC_06X08	SSRC 6" X 8"	EA	20	\$93.50	\$1,870.00	JCM
313	SSRC_06X12	SSRC 6" X 12"	EA	20	\$145.00	\$2,900.00	JCM
314	SSRC_06X16	SSRC 6" X 16"	EA	10	\$162.00	\$1,620.00	JCM
315	SSRC_06X20	SSRC 6" X 20"	EA	20	\$250.50	\$5,010.00	JCM
316	SSRC_06X24	SSRC 6" X 24"	EA	8	\$291.50	\$2,332.00	JCM
317	SSRC_06X30	SSRC 6" X 30"	EA	2	\$323.00	\$646.00	JCM
318	SSRC_06X36	SSRC 6" X 36"	EA	2	\$501.00	\$1,002.00	JCM
319	SSRC_08X08	SSRC 8" X 8"	EA	12	\$105.00	\$1,260.00	JCM
320	SSRC_08X12	SSRC 8" X 12"	EA	12	\$167.00	\$2,004.00	JCM
321	SSRC_08X16	SSRC 8" X 16"	EA	2	\$196.50	\$393.00	JCM
322	SSRC_08X24	SSRC 8" X 24"	EA	2	\$331.50	\$663.00	JCM
323	SSRC_08X30	SSRC 8" X 30"	EA	2	\$394.50	\$789.00	JCM

324	SSRC_10X10	SSRC 10" X 10"	EA	2	\$210.50	\$421.00	JCM
325	SSRC_10X12	SSRC 10" X 12"	EA	2	\$210.50	\$421.00	JCM
326	SSRC_10X16	SSRC 10" X 16"	EA	2	\$243.00	\$486.00	JCM
327	SSRC_10X24	SSRC 10" X 24"	EA	4	\$432.50	\$1,730.00	JCM
328	SSRC_12X12	SSRC 12" X 12"	EA	4	\$252.50	\$1,010.00	JCM
329	SSRC_12X12_FSM	SSRC 12" X 12" Steel Main	EA	4	\$252.50	\$1,010.00	JCM
330	SSRC_12X15	SSRC 12" X 15"	EA	2	\$284.00	\$568.00	JCM
331	SSRC_12X16	SSRC 12" X 16"	EA	4	\$284.00	\$1,136.00	JCM
332	SSRC_12X20	SSRC 12" X 20"	EA	6	\$409.00	\$2,454.00	JCM
333	SSRC_12X24	SSRC 12" X 24"	EA	4	\$442.00	\$1,768.00	JCM
334	SSRC_12X30	SSRC 12" X 30"	EA	2	\$600.00	\$1,200.00	JCM
335	SSRC_14X12	SSRC 14" X 12"	EA	4	\$412.00	\$1,648.00	JCM
336	SSRC_14X16	SSRC 14" X 16"	EA	• 4	\$507.00	\$2,028.00	JCM
337	SSRC_16X15	SSRC 16" X 15"	EA	2	\$560.00	\$1,120.00	JCM
338	SSRC_16X30	SSRC 16" X 30"	EA	2	\$1,134.50	\$2,269.00	JCM
339	SSRC_18X12	SSRC 18" X 12"	EA	2	\$583.00	\$1,166.00	JCM
340	SSRC_20X12	SSRC 20" X 12"	EA	2	\$723.00	\$1,446.00	JCM
341	SSRC_20X16	SSRC 20" X 16"	EA	6	\$876.50	\$5,259.00	JCM
342	SSRC_20X20	SSRC 20" X 20"	EA	2	\$1,106.00	\$2,212.00	JCM
343	SSRC_20X25	SSRC 20" X 25"	EA	6	\$1,249.00	\$7,494.00	JCM
344	SSRC_20X30	SSRC 20" X 30"	EA	2	\$1,674.50	\$3,349.00	JCM
345	SSRC_24X20	SSRC 24" X 20"	EA	2	\$2,291.50	\$4,583.00	JCM
346	SSRC_24X24	SSRC 24" X 24"	EA	2	\$2,162.00	\$4,324.00	JCM
					GROUP 13 SUBTOTAL	\$74,243.00	

#### GROUP 14: SEWER AND DRAINAGE PIPE AND FITTINGS

**ESTIMATED** ITEM MATERIAL UID DESCRIPTION UNIT UNIT COST TOTAL COST **BRAND QUOTED** QUANTITY SDR 347 SPIPE 019 Pipe, PVC, Sched 40, 4" L Ft 20 \$3.26 \$65.20 Various SPIPE 020 Pipe, PVC, Sched 40, 6" 348 L Ft 20 \$5.30 \$106.00 Various PIPE, PVC 8" SCHEDULE 40 349 SPIPE 021 L Ft 20 \$8,42 \$168,40 Various 350 SPIPE 024 PIPE, N-12 12" RIBBED BLACK PLASTIC - 45 1294AM L Ft 100 \$8.35 \$835.00 ADS SPIPE 025 PIPE, N-12 15" RIBBED BLACK PLASTIC L Ft 30 351 \$11.17 \$335.10 ADS 352 SPIPE 026 PIPE, N-12 10" RIBBED BLACK PLASTIC L Ft 40 \$7.63 \$305.20 ADS 353 SPIPE 028 PIPE, PVC 6 SD Pipe, PVC 6" SDR 26 GREEN GASKETED L Ft 28 \$7.21 \$201.88 Various SPIPE 028 PIPE, PVC 8" SDR 26 GREEN GASKETED L Ft 50 \$13.05 \$652.50 Various 354 355 SPIPE 029 PIPE, PVC 10" SDR26 GREEN GASKETED L Ft 42 \$20.32 \$853.44 Various 356 SPIPE 030 PIPE, PVC 12" SDR26 GREEN GASKETED L Ft 42 \$29.19 \$1.225.98 Various 357 NA Pipe, SDR 26, 18" L Ft 42 \$36.68 \$1,540.56 Various 358 NA Pipe, PVC 6" SDR 35 GREEN GASKETED L Ft 28 \$5.43 \$152.04 Various 359 NA Pipe, SDR 35, 10" L Ft 28 \$15.32 \$428.96 Various 360 NA Pipe, SDR 35, 12" L Ft 28 \$22.04 \$617.12 Various SPIPE 031 PIPE, PVC 8" SDR 35 GREEN GASKETED L Ft 28 \$9.85 \$275.80 361 Various 362 SPIPE033 Pipe, SDR 35, 18" L\_Ft 28 \$48.70 \$1,363.60 Various 363 SPIPE034 Pipe, SDR 35, 15" L\_Ft 28 \$32.54 \$911.12 Various 364 SPIPE035 Pipe, SDR 26, 15" L Ft 28 \$43.87 \$1,228.36 Various

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Internal Use Only

365	4 HW SWR SDR26 GSKT C	CAP, 4HW SDR 26 Gasket Cap	EA	6	\$21.03	\$126.18	Various
366	6 HW SWR SDR26 GASKETCAP, 6HW SDR 26 Gasket Cap		EA	4	\$48.57	\$194.28	Various
367	6X4 HW SWR SDR26 WYE	WYE 6x4 SDR 26, GxG	EA	6	\$69.02	\$414.12	Various
PVC -	SOLVENT WELD SOCKET	- SCHEDULE 40					
368	NA	TEE, PVC, Sched 40, 4"	EA	2	\$13.44	\$26.88	Various
369	STEES 001	TEE, PVC, Sched 40, 6"	EA	2	\$66.90	\$133.80	Various
370	SCPLNGS001	COUPLING, 4" PVC	EA	2	\$4.72	\$9.44	Various
371	SCPLNGS004	COUPLING, PVC 6"	EA	2	\$19.42	\$38.84	Various
372	SCPLNGS008	COUPLING, 8" PVC	EA	2	\$37.03	\$74.06	Various
373	SBENDS 001	BEND, 4" PVC 22 1/2 DEGREE	EA	10	\$10.93	\$109.30	Various
374	NA	BEND, 4" PVC 22 1/2 DEGREE, Street	EA	2	\$15.66	\$31.32	Various
375	SBENDS 003	BEND, 4" PVC 45 DEGREE	EA	6	\$7.00	\$42.00	Various
376	NA	BEND, 4" PVC 45 DEGREE, Street	EA	2	\$8.49	\$16.98	Various
377	SBENDS 005	BEND, 6" PVC 22 1/2 DEGREE	EA	2	\$50.59	\$101.18	Various
378	NA	BEND, 6" PVC 22 1/2 DEGREE, Street	EA	2	\$49.04	\$98.08	Various
379	SBENDS 008	BEND, 6" 45 DEGREE 1/8TH BEND/PVC	EA	2	\$32.37	\$64.74	Various
380	NA	BEND, 6" 45 DEGREE 1/8TH BEND/PVC, Street	EA	2	\$32.37	\$64.74	Various
381	NA	Cleanout, PVC, Sched 40, 4" Female body w/ cap	EA	2	\$11.64	\$23.28	Various
382	NA	Cleanout, PVC, Sched 40, 6" Female body w/ cap	EA	2	\$49.41	\$98.82	Various
383	NA	Wye, PVC, Sched 40, 4"	EA	2	\$15.58	\$31.16	Various
384	NA	Wye, PVC, Sched 40, 6"	EA	2	\$54.73	\$109.46	Various
COUP	LINGS-STANDARD ELASTO	DMERIC					
385	SCPLNG029	FERNCO 6" AC TO P	EA	2	\$11.00	\$22.00	Fernco
386	SCPLNG030	FERNCO 4X3 P TO P	EA	2	\$5.00	\$10.00	Fernco
387	SCPLNG031	FERNCO 10" P TO P	EA	2	\$24.00	\$48.00	Fernco

388	SCPLNG032	FERNCO 2" P TO P	EA	2	\$3.00	\$6.00	Fernco
389	SCPLNG033	FERNCO 15" CL TO P	EA	2	\$45.00	\$90.00	Fernco
390	SCPLNG034	FERNCO 15"X 15" IL X CI/PVC	EA	2	\$45.00	\$90.00	Fernco
391	SCPLNGS002	FERNCO 4"X4" C-C	EA	36	\$5.00	\$180.00	Fernco
392	SCPLNGS003	FERNCO 4",CLAY-CI/PLASTI	EA	12	\$5.00	\$60.00	Fernco
393	SCPLNGS005	FERNCO 6" X 6", C-C	EA	2	\$11.00	\$22.00	Fernco
394	SCPLNGS006	FERNCO 6",CLAY-PVC OR CI	EA	8	\$10.00	\$80.00	Fernco
395	SCPLNGS007	FERNCO 8"X8", CLAY-CLAY	EA	2	\$17.00	\$34.00	Fernco
396	SCPLNGS010	FERNCO 10" X 10" C-C	EA	2	\$24.00	\$48.00	Fernco
397	SCPLNGS011	FERNCO 10"CLAY-CI/PLASTI	EA	4	\$24.00	\$96.00	Fernco
398	SCPLNGS012	FERNCO 12",CLAY-CONCRETE	EA	2	\$92.00	\$184.00	Fernco
399	SCPLNGS013	FERNCO 15", CLAY-CLAY	EA	2	\$45.00	\$90.00	Fernco
400	SCPLNGS014	FERNCO 18" CLAY-CLAY	EA	2	\$100.00	\$200.00	Fernco
401	SCPLNGS015	FERNCO 27" CLAY-CLAY	EA	2	\$520.00	\$1,040.00	Fernco
402	SCPLNGS016	FERNCO 15", CLAY-CONCRETE	EA	2	\$350.00	\$700.00	Fernco
403	SCPLNGS017	FERNCO 12"X12"CLAY-CLAY	EA	2	\$28.00	\$56.00	Fernco
404	SCPLNGS018	Fernco 6"X 4" PVC-PVC OR CI-PVC	EA	2	\$12.00	\$24.00	Fernco
405	SCPLNGS019	FERNCO 12"X12"CONC-CONC	EA	2	\$86.00	\$172.00	Fernco
406	SCPLNGS020	FERNCO 4"X4" PVC-PVC	EA	2	\$5.00	\$10.00	Fernco
407	SCPLNGS021	FERNCO 8"X8" CLAY-CI/PVC	EA	28	\$16.00	\$448.00	Fernco
408	SCPLNGS022	FERNCO 15"X15"CONC-CONC	EA	2	\$305.00	\$610.00	Fernco
409	SCPLNGS023	FERNCO 12"X12"	EA	2	\$28.00	\$56.00	Fernco
410	SCPLNGS024	FERNCO 24"X24"CLAY-CLAY	EA	2	\$455.00	\$910.00	Fernco
411	SCPLNGS025	FERNCO 6"X4"C-CI/PVC	EA	2	\$12.00	\$24.00	Fernco
412	SCPLNGS026	FERNCO 6"X5"C-CI/PVC	EA	2	\$37.00	\$74.00	Fernco

413	SCPLNGS027	FERNCO 12"X12"C-CI/P	EA	2	\$28.00	\$56.00	Fernco
414	SCPLNGS028	FERNCO 8"X8"CI/PVC-CI/PVC	EA	2	\$16.00	\$32.00	Fernco
415	SPLUGS 001	4" EXPANDABLE PLUG - CHERNE 49929	EA	8	\$9.00	\$72.00	Cherne
Dual V	/all 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	\$7.62	\$7.62	ADS
417	SPIPE 024	12"x 20" - ADS #12650020IB	L_Ft	1	\$8.63	\$8.63	ADS
418	SPIPE 025	15"x 20" - ADS #15650020IB	L_Ft	1	\$11.17	\$11.17	ADS
419	NA	18"x 20" - ADS #18650020IB	L_Ft	1	\$17.34	\$17.34	ADS
420	SPIPE 027	24"x 20" - ADS #24650020IB	L_Ft	1	\$26.69	\$26.69	ADS
Dual V	Vall Pipe Couplers - Storm D	Prainage - N-12 Split Band Couplers					
421	NA	12"- ADS #1265AA	EA	1	\$11.39	\$11.39	ADS
422	NA	15"- ADS #1565AA	EA	1	\$18.96	\$18.96	ADS
423	NA	18"- ADS #1865AA	EA	1	\$32.32	\$32.32	ADS
424	NA	24"- ADS #2411AA	EA	1	\$45.57	\$45.57	ADS
N-12 D	ual Wall Adapter Fitting						
425	NA	12"- ADS #1221AN	EA	1	\$139.04	\$139.04	ADS
426	NA	15"- ADS #1521AN	EA	1	\$164.31	\$164.31	ADS
427	NA	18"- ADS #1821AN	EA	1	\$216.08	\$216.08	ADS
428	NA	24"- ADS #2421AN	EA	1	\$417.95	\$417.95	ADS
N-12 F	lared-End Sections						
429	NA	12"-15"- ADS #1215NP	EA	1	\$179.56	\$179.56	ADS
430	NA	18"- ADS #1810NP	EA	1	\$241.22	\$241.22	ADS
431	NA	24"- ADS #2410NP	EA	1	\$309.57	\$309.57	ADS
					GROUP 14 SUBTOTAL	\$20,466.34	

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#### **GROUP 15: NYLOPLAST STRUCTURES**

ITEM	MATERIAL UID	DESCRIPTION	UNIT		UNIT COST	TOTAL COST	BRAND QUOTED
432	BASIN_24", 5' TALL, 12" N1	24"x5'- ADS #3024AGS5	EA	4	\$1,554.66	\$6,218.64	ADS
433	24" BASIN, 6' TALL, 12" N12	2 STUB, 2' SUMP	EA	6	\$1,554.66	\$9,327.96	ADS
434	24" BASIN, 7' TALL, 12" N12	2 24"x7'- ADS #3024AGS7	EA	10	\$1,737.63	\$17,376.30	ADS
435	NA	36"x5'- ADS #3036AGR5	EA	1	\$5,326.26	\$5,326.26	ADS
436	NA	36"x7'-ADS #3036AGR7	EA	1	\$5,823.53	\$5,823.53	ADS
				GROU	IP 15 SUBTOTAL	\$44,072.69	

Unlisted Nyloplast Structures Percent Discount from List Price (%)

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15%

#### GROUP 16: 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	\$65.16	\$651.60	Predco
438	SSADDLE006	TAP SADDLE, 4" FAST-FIT	EA	10	\$63.90	\$639.00	Predco
439	SSADDLE007	TAP SADDLE, 4"UNIVERSAL, CI AND PVC	EA	14	\$94.19	\$1,318.66	Predco
440	SSADDLE009	TAP SADDLE, 6" FAST-FIT	EA	2	\$96.18	\$192.36	Predco
441	SMISC 001	Cement	bag	350	\$19.04	\$6,664.00	Holcim
442	SMISC 002	SPEEDCRETE RED LINE	bag	190	No quote	No quote	

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15%

443	SMISC 003	PRECO (THOROC PATCH)	bag	10	\$47.50	\$475.00	MS Plug
444	SMISC 004	Brick - Concrete	EA	1600	\$0.93	\$1,488.00	Carlesimo
445	SMISC 007	BLOCK, MANHOLE 2ft (6" X 2ft )	EA	800	\$3.35	\$2,680.00	Carlesimo
446	SMISC 017	BLOCK, MANHOLE 3ft (6"x3ft)	EA	800	\$3.35	\$2,680.00	Carlesimo
447	SMISC 009	BLOCK, 1"X 8"X16" CONCRETE SOAP	EA	300	No quote	No quote	
448	SMISC 010	BLOCK, 4" X 8" X 16"	EA	40	No quote	No quote	
449	SMISC 011	BLOCK, BUILDING 8"X8"X16" 2CORE	EA	200	No quote	No quote	
450	SMISC 016	BLOCK, 2" X 8" X 16" CONCRETE SOAP	EA	200	No quote	No quote	
				GROUP 16	SUBTOTAL	\$16,788.62	

Unlisted Miscellaneous Parts and Materials Percent Discount from List Price (%) 15%

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**REFERENCES:** Please list at least three (3) entities for which your entity has historically provided similar materials:

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Organization	Address Con	ntact Person	Telephone
1. City of Midland	4811 N Saginaw Rd 4864	0 Justin Weckesser	989-205-0718
2. City of Wyoming	2660 Burlingame Ave SW	49509 Tim W	616-530-7271
3. City of Madison H	eights 801 Ajax Dr 48071	Matt Hallett	248-385-8448

## **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

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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, May 15, 2025 through May 15, 2026. 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.

#### <u>City of Ann Arbor: General Terms and Conditions</u> The following General Terms and Conditions shall apply.

Tax Exemption: The City of Ann Arbor is tax exempt, ID# 38-6004534.

Acceptance of Contract: This order is the City's contract to purchase the goods and services described on the reverse front side of 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 of purchase contained 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 and materials ordered herein which may for any reason 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:** Goods and materials must be properly packaged. Damaged goods and materials will not be accepted. The City reserves the right to inspect the 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 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 an article sold and delivered to the City hereunder shall be protected by any 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 it by any person whomsoever on account of the use or sale of such articles by the City in violation or right under 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 power 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 agreement 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/standards, must be provided by the Vendor to the City at the time of purchase.

Assignments: The Vendor agrees not to assign or transfer this contract or any part thereof without the written consent of the City of Ann Arbor, acting through its authorized representative. Any unauthorized assignment may subject the contractor 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 laws, such term shall be fully severable, and the remaining terms shall not be affected and shall remain full force and effect.

**Prevailing Wage:** It shall be the responsibility of the Vendor to comply, when applicable, with the prevailing wage requirements and/or the Davis-Bacon Act as amended.

Living Wage: It shall be the responsibility of the Vendor to comply, when applicable, with the City of Ann Arbor's Living Wage Ordinance as defined in Chapter 23, Section 1:811-1:821.

**Non-Discrimination:** It shall be the responsibility of the Vendor to comply, when applicable, with, all State, Federal and Local nondiscrimination laws, including MCL 37.2209 and Section 9:158 of the 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's 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 of Ann Arbor'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 for goods and services 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 listed 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 Accounts Payable.

**Compliance with Laws:** The Vendor certifies that in performing this contract it will comply with all applicable provisions of Federal, State and Local 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 the 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 ten (10) business days from the time of delivery to Vendor of such notice, the City shall have the right to terminate immediately without the requirement of a further notice.



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.

- 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 Inte	erest Disclosure*
Name of City of Ann Arbor employees, elected officials or immediate family members with whom	() Relationship to employee
there may be a potential conflict of interest.	<ul> <li>( ) Interest in vendor's company</li> <li>( ) Other (please describe in box below)</li> </ul>

NONE

\*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:Core and Main LP734-398-5950Vendor NameVendor Phone NumberHomeo Hishw2-6-25Signature of Vendor Authorized RepresentativeDatePrinted Name of Vendor Authorized RepresentativePrinted Name of Vendor Authorized Representative

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500, procurement@a2gov.org

#### CITY OF ANN ARBOR DECLARATION OF COMPLIANCE

#### Non-Discrimination Ordinance

The "non discrimination by city contractors" provision of the City of Ann Arbor Non-Discrimination Ordinance (Ann Arbor City Code Chapter 112, Section 9:158) requires all contractors proposing to do business with the City to treat employees in a manner which provides equal employment opportunity and does not discriminate against any of their employees, any City employee working with them, or any applicant for employment on the basis 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. It also requires that the contractors include a similar provision in all subcontracts that they execute for City work or programs.

In addition the City Non-Discrimination Ordinance requires that all contractors proposing to do business with the City of Ann Arbor must satisfy the contract compliance administrative policy adopted by the City Administrator. A copy of that policy may be obtained from the Purchasing Manager

The Contractor agrees:

....

- (a) To comply with the terms of the City of Ann Arbor's Non-Discrimination Ordinance and contract compliance administrative policy, including but not limited to an acceptable affirmative action program if applicable.
- (b) To post the City of Ann Arbor's Non-Discrimination Ordinance Notice in every work place or other location in which employees or other persons are contracted to provide services under a contract with the City.
- (c) To provide documentation within the specified time frame in connection with any workforce verification, compliance review or complaint investigation.
- (d) To permit access to employees and work sites to City representatives for the purposes of monitoring compliance, or investigating complaints of non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the Ann Arbor Non-Discrimination Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Non-Discrimination Ordinance, obligates the Contractor to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract.

Core and Main LP	
Company Name	
thomas Fisher	2-6-25
Signature of Authorized Representative	Date
Thomas Fisher District Manager	
Print Name and Title	
4901 Dewitt, Canton, MI 48188	
Address, City, State, Zip	
734-398-5950 tom.fisher@coreandmain.com	
Phone/Email Address	

Questions about the Notice or the City Administrative Policy, Please contact: Procurement Office of the City of Ann Arbor (734) 794-6500

## **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.

<u>Discriminatory Employment Practices:</u> 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.

<u>Discriminatory Effects:</u> 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.

<u>Nondiscrimination by City Contractors</u>: 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.

<u>Complaint Procedure:</u> 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.

<u>Private Actions For Damages or Injunctive Relief</u>: 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.