

SPECIFICATIONS
FOR
WATER / SEWER
MAINTENANCE MATERIAL
2024-2025

EAST WINDSOR MUNICIPAL UTILITIES
AUTHORITY

MERCER COUNTY

NEW JERSEY

7 WILTSHIRE DRIVE

EAST WINDSOR, NJ 08520

NOTICE TO BIDDERS

**EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY
7 WILTSHIRE DRIVE, EAST WINDSOR, NJ 08520
609-443-6000**

WILL ACCEPT BIDS FOR WATER/SEWER MAINTENANCE MATERIAL

Sealed bids will be received by the Executive Director of the East Windsor Municipal Utilities Authority, East Windsor, New Jersey, County of Mercer, in the Board Room at the Administration Building, 7 Wiltshire Drive, East Windsor, NJ 08520 for: **Water/Sewer Maintenance Material**

BID OPENING DATE: Bid opening is **JUNE 25, 2024 at 11:00 a.m. at the East Windsor MUA Administration offices, 7 Wiltshire Drive, East Windsor N.J. 08520.**

Specifications are on file in the Division of Human Resources, Budget & Purchasing, and may be obtained by prospective bidders during the hours of 9:00 a.m. to 4:00 p.m. Specifications may also be obtained from our website www.Eastwindsormua.com. Bids must be enclosed in a sealed envelope marked appropriately and must have the **NAME AND ADDRESS** of the bidder on the outside of the envelope. Bids may be hand delivered or mailed by certified mail to the above-mentioned address. No other forms will be accepted.

Bids must be accompanied by an agreement of surety (consent of surety) furnished by only those sureties who meet the requirements set forth in N.J.S.A. 2A:44-143, wherein the surety company agrees to post a performance bond of 100% of the awarded amount, and a payment bond of 100% of the awarded amount, if the contract is awarded in principal. The aggregate sum of both bonds shall therefore equal 200% of the total contract price.

Bids must be accompanied by a certified check, cashier's check or bid bond payable to East Windsor Municipal Utilities Authority in the amount of 10% of the bid total, not to exceed \$20,000. All bid security except the security of the three apparent lowest responsible bidders shall be returned, unless otherwise requested by the bidder, within 10 days after the opening of the bids, Sundays and holidays excepted, and bids of such bidders shall be considered as withdrawn. Within 3 days, Sundays and holidays excepted, after the awarding and signing of the contract and the approval of the contractor's performance bond, the bid security of the remaining unsuccessful bidders shall be returned to them.

Bidders are required to comply with all applicable statutory requirements including the requirements of N.J.S.A. 10:5.31, et seq N.J.A.C. 17:27 (Equal Employment Opportunity) 42 U.S.C.-12101, et seq (Americans with Disabilities Act). N.J.S.A. 34:11-56.25 et seq (Prevailing Wages) N.J.S.A. 52:32-44, et seq (NJ Business Registration).

A corporation submitting a bid, in response to this advertisement, shall accompany such bid with a resolution authorizing its proper officers to submit such a bid and authorize said officers to execute a contract in the event its bid is accepted.

The East Windsor Municipal Utilities Authority, when applicable, reserves the right to take any number of units up to the maximum indicated in the specifications to increase or decrease the quantity by executing a change order provided that the change shall not cause the originally awarded contract price to be exceeded cumulatively by more than 20% net, in accordance with N.J.A.C. 5:34-4.2. The East Windsor Municipal Utilities Authority reserves the right to reject any or all bids as in its judgment may be deemed to be in the best interest of the East Windsor Municipal Utilities Authority. The East Windsor Municipal Utilities Authority also reserves the right to waive any minor irregularity or technicality. In the case of tie bids, the East Windsor Municipal Utilities Authority shall have the authority to award the contract to the bidder selected by the East Windsor Municipal Utilities Authority in its sole discretion.

BY ORDER of the East Windsor Municipal Utilities Authority Board.

**Richard Brand
Executive Director**

4/24/2024

EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY
INSTRUCTIONS TO BIDDERS

Sealed proposals will be received in accordance with public advertisement as required by law, a copy of said notice being attached hereto and made a part of these specifications.

BIDS FORWARDED THROUGH MAIL

The East Windsor Municipal Utilities Authority will not assume responsibility for bids forwarded by mail. It is the bidder's responsibility to see that bids are presented to the East Windsor Municipal Utilities Authority at the time and at the place designated.

Bids may be hand delivered or mailed. However, the East Windsor Municipal Utilities Authority disclaims any responsibility for bids forwarded by regular or overnight mail. If the bid is sent by overnight mail, name and address of bidder and title of bid must also appear on the outside of the delivery company envelope. Bids received after the designated time and date will be returned unopened.

PROPOSAL FORM

Each proposal is to be submitted on the proposal form attached. The bid proposal form shall be submitted, in a sealed envelope: (1) addressed to the East Windsor Municipal Utilities Authority, (2) bearing the name and address of the bidder written on the face of the envelope, and (3) clearly marked "BID" with the contract title being bid. Proposals on forms other than herewith provided will not be accepted.

All prices and amounts must be written in ink or preferably typewritten. Bids containing any conditions, omissions, unexplained erasures or alterations, items not called for in the bid proposal form, attachment of additive information not required by the specifications, or irregularities of any kind, may be rejected by the East Windsor Municipal Utilities Authority. Any changes, white-outs, strikeouts, etc. on the proposal page must be initialed in ink by the person responsible for signing the bid.

BID PRICES

Bidders must insert prices for furnishing all of the materials and/or labor required by these specifications. Prices shall be net, including any charges for packing, crating, containers, or any other labor or materials required by these specifications. All transportation charges shall be fully prepaid by the contractor F.O.B. destination and placement at locations specified by the East Windsor Municipal Utilities Authority. As specified, placement may require inside deliveries. No additional charges will be allowed for any transportation costs resulting from partial shipments made at the contractor's convenience.

BID GUARANTY

Bid must be accompanied by a certified check, cashier's check or bid bond in the amount of 10% of the bid total, not in excess of \$20,000, payable to East Windsor Municipal Utilities Authority. When submitting a Bid Bond, it shall contain Power of Attorney for full amount of Bid Bond from a surety company authorized to do business in the State of New Jersey and acceptable to the East Windsor Municipal Utilities Authority. All bid security except the security of the three apparent lowest responsible bidders shall be returned, unless otherwise requested by the bidder, within 10 days after the opening of the bids, Sundays and holidays excepted, and the bids of such bidders shall be considered as withdrawn. Within 3 days, Sundays and holidays excepted, after the awarding and signing of the contract, the bid security of the remaining unsuccessful bidders shall be returned to them. The Bid security must comply with the requirements of New Jersey law and must be in a form acceptable to the East Windsor Municipal Utilities Authority Attorney. In the event that the bidder to whom the contract is awarded fails to enter into the contract in the manner and within the time required, the award to the bidder shall be rescinded and the bid guaranty shall become the property of the East Windsor Municipal Utilities Authority.

WARRANTY

The successful bidder shall be required to furnish the warranty from the equipment manufacturer when contract is initiated.

GUARANTEE

The vendor shall guarantee any or all materials supplied under these specifications for at least one year. Defective or inferior items shall be replaced at the expense of the vendor.

INTERPRETATION AND ADDENDA

- A. The bidder understands and agrees that its bid is submitted on the basis of the specifications prepared by the East Windsor Municipal Utilities Authority. The bidder accepts the obligation to become familiar with these specifications.
- B. Bidders are expected to examine the specifications and related documents with care and observe all their requirements. Ambiguities, errors or omissions noted by bidders should be promptly reported in writing to the appropriate official. In the event the bidder fails to be notified the East Windsor Municipal Utilities Authority of such ambiguities, errors or omissions, the bidder shall be bound by the bid.
- C. No oral interpretation of the meaning of the specifications will be made to any bidder. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications, and will be distributed to all prospective bidders, in accordance with N.J.S.A. 40A:11-23. All addenda so issued shall become part of the contract documents, and shall be acknowledged by the bidder in the bid. The East Windsor Municipal Utilities Authority's interpretations or corrections thereof shall be final.
- D. Discrepancies in Bids
 - 1. If the amount shown in words and its equivalent in figures do not agree, the written words shall be binding. Ditto marks are not considered writing or printing and shall not be used.
 - 2. In the event that there is a discrepancy between the unit prices and the extended totals, the unit prices shall prevail. In the event there is an error of the summation of the extended totals, the computation by the East Windsor Municipal Utilities Authority of the extended totals shall govern.

FAILURE TO SIGN CONTRACT

The failure of the successful Bidder to sign the Contract within fourteen (14) days of the award of the Contract to the successful Bidder, shall be sufficient cause to rescind the award. The East Windsor Municipal Utilities Authority may then, at its option accept the bid of the next lowest responsible bidder. It is understood by the Bidder that the certified check, cashier's check or bid bond shall be forfeited to East Windsor Municipal Utilities Authority in the event of the Bidder's failure to comply with the foregoing. It is further understood by the Bidder that such forfeiture shall be considered as liquidated damages for the delay and additional expense incurred by the East Windsor Municipal Utilities Authority due to the Bidder's failure to comply with these requirements and shall not be considered a penalty.

AWARD OF CONTRACT

The East Windsor Municipal Utilities Authority reserves the right to award the Contract based upon the base bid alone and upon the combination of the base bid and the alternate. The bid specifications may also contain option bids. The East Windsor Municipal Utilities Authority may, in its discretion, award the contract to the bidder whose aggregate bid price for the chosen option, or any combination of options is the lowest responsible bidder.

WITHDRAWAL OF BIDS

Bids may not be withdrawn after the opening of bids. Furthermore, the attachment of any conditions, limitations, or ancillary provisions by a bidder to the bid proposal will cause the bid to be classified as irregular and will render the bid subject to rejection.

Sealed bids forwarded to the East Windsor Municipal Utilities Authority before the time of opening of bids may be withdrawn upon written application of the bidder who shall be required to produce evidence showing that the individual is or represents the principals involved in the bid. Once bids have been opened, they must remain firm for a period of sixty (60) calendar days.

POWER OF ATTORNEY

Attorneys-in-fact who sign contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

WORKER'S WAGES

The contractor shall at all times during the performance of the contract comply with the Prevailing Wage Act (P.L. 1963), C. 150, N.J.S.A. 34:11-56.25 et. seq.). All workers employed in the performance of the contract shall be paid not less than the prevailing rate in this area for each type of work.

RIGHT TO KNOW ACT

Per N.J.S.A. 34:5A-1 et seq. (Workers and Community Right to Know Act), the State Department of Health has adopted a Workplace Hazardous Substance List (N.J.A.C. 8:59-9) which includes substances that pose a threat to the health and safety of employees. Therefore, each bidder must furnish the East Windsor Municipal Utilities Authority a "Material Safety Data Sheet" for each product they supply the East Windsor Municipal Utilities Authority which contains a substance listed on the Hazardous Substance List. Furthermore, in compliance with the Uniform Labeling requirement, a label shall be affixed or stenciled on any product that contains such substances before delivery to the East Windsor Municipal Utilities Authority.

CERTIFICATE OF PAYMENT

All contracts awarded will require the successful bidder to provide on a monthly basis a certificate of payment that all subcontractors, vendors, laborers, mechanics and trades have been paid per N.J.S.A. 2A:44-128 et seq.

CONDITIONS

N.J.S.40A:11 et seq. (Local Public Contracts Law), in its entirety by reference, applies to all specifications drawn by the East Windsor Municipal Utilities Authority. This includes but is not limited to N.J.A.40A:11-18 which requires that only manufactured and farm products of the United States, wherever available, shall be used.

Unless otherwise specified, materials and equipment purchased will be inspected by the contracting agent as to meeting the quality and quantity requirements of the call for bids. When deemed necessary, samples of supplies or materials will be taken at random from stock received for submission to a commercial laboratory. If the reports indicate that the materials do not meet the specifications, the expense of analysis shall be borne by the bidder holding the contract.

The bidder shall warrant all materials and services supplied under these specifications. The warranty shall include warranty of title, merchantability, fitness for a particular purpose and such other warranties that arise from the course of dealing or usage of trade. Defective or inferior items shall be replaced at the expense of the vendor. In case of rejected materials, the vendor will be responsible for return freight charges.

TERMINATION OF CONTRACT

- A. If through any cause, the successful bidder shall fail to fulfill in a timely and proper manner obligations under this contract or if the contractor shall violate any of the requirements of this contract, the East Windsor Municipal Utilities Authority shall thereupon have the right to terminate this contract by giving written notice to the contractor of such termination and specifying the effective date of termination. Such termination shall relieve the East Windsor Municipal Utilities Authority of any obligation for balances to the contractor of any sum or sums set forth in the contract.
- B. Notwithstanding the above, the contractor shall not be relieved of liability to the East Windsor Municipal Utilities Authority for damages sustained by the East Windsor Municipal Utilities Authority by virtue of any breach of the contract by the contractor and the East Windsor Municipal Utilities Authority may withhold any payments to the contractor for the purpose of compensation until such time as the exact amount of the damage due the East Windsor Municipal Utilities Authority from the contractor is determined.
- C. The contractor agrees to indemnify and hold the East Windsor Municipal Utilities Authority harmless from any liability to subcontractors/suppliers concerning payment for work performed or goods supplied arising out of the lawful termination of the contract by the East Windsor Municipal Utilities Authority under this provision.
- D. In case of default by the successful bidder, the East Windsor Municipal Utilities Authority may procure the articles or services from other sources and hold the successful bidder responsible for any excess cost occasioned thereby.

ASSIGNMENT, TRANSFER, CONVEY, SUBLET OR DISPOSAL OF CONTRACT

The contractor shall not assign, transfer, convey, sublet or otherwise dispose of the contract or any part thereof to anyone without written consent of East Windsor Municipal Utilities Authority, New Jersey.

AWARD OF CONTRACT – PRICES FIRM

The contract shall be awarded within sixty (60) days unless concerned parties agree to an extension. Award will be based on unit price of each item. Contract shall be awarded for a period of one (1) year X or two (2) years ____ or three (3) years ____.

The contract may be renewed for up **two one-year extensions** X or one two-year extension, upon mutual agreement of the East Windsor Municipal Utilities Authority and the contractor/vendor. In accordance with 40A:11-15, any price increases shall not exceed the change in the index rate for the 12 months preceding the most recent quarterly calculation available at the time the contract is renewed.

The contract is subject to the availability and appropriation annually of sufficient funds as may be required to meet the extended obligation.

QUANTITY

The East Windsor Municipal Utilities Authority reserves the right to take any number of units, when applicable, up to the maximum indicated in the specifications or to increase the quantity by executing a change order not to exceed 20% of the overall contract amount or to omit various items as may be in the best interest of the East Windsor Municipal Utilities Authority to do so in accordance with N.J.A.C. 5:34-4.2. No warranty is given or implied as to the item or quantity that will be purchased.

DELIVERY

Delivery shall be made within twenty-one (21) calendar days after verbal and/or written confirmation. Item(s) to be quoted F.O.B. delivered to the following location:

**East Windsor Municipal Utilities Authority,
7 Wiltshire Drive
East Windsor, NJ 08520**

PAYMENT

Payment will be made with final written approval of authorized official within thirty (30) days of receipt of properly certified and tabulated invoice as authorized by the Local Fiscal Affairs Law (N.J.S.A. 40A:5-1 et seq). In accordance with the Prompt Payment Law N.J.S.A. 2A:30A-1 et seq., if applicable.

NOTE: The East Windsor Municipal Utilities Authority is tax exempt.

RESERVATIONS

The East Windsor Municipal Utilities Authority reserves the right to accept or reject any or all bids, to waive minor irregularities and technicalities, to request rebids on the items and award bids in part or whole as the East Windsor Municipal Utilities Authority deems it will best serve its interests.

The East Windsor Municipal Utilities Authority reserves the right to waive minor details.

The East Windsor Municipal Utilities Authority reserves the right, where applicable, pursuant to N.J.S.A. 40A:11-13 (b), to award the bid based on the physical proximity of the bidder which is requisite to the efficient and economical purchase of the material or services.

EXCEPTIONS TO SPECIFICATIONS

For purpose of evaluation where an equivalent product is being furnished in place of one requested, bidder must indicate any variation to our specifications. If no variations are indicated, it will be construed that the bid fully complies with the specifications.

Exceptions, if any, to the bid specifications, shall be noted on the Bid Form. If exceptions are taken, the bidder shall furnish documentation to substantiate equivalency with the item specified. The burden of proof shall be on the vendor. The East Windsor Municipal Utilities Authority shall be the sole judge as to the equivalency of items bid to the specifications.

INSURANCE

The successful bidder shall certify or cause to be certified to East Windsor Municipal Utilities Authority, upon request, Certificates of Insurance for the following:

- (1) Workers Compensation as required by State of New Jersey applicable to the work to be performed;
- (2) Comprehensive General Liability for bodily injury, personal injury and property damage, including damages from collapse, explosion, and underground structures if applicable, at a limit of not less than \$1,000,000 combined single limit for damages arising out of injury to or destruction of property;
- (3) Contractual liability insurance indemnifying and holding the East Windsor Municipal Utilities Authority harmless from any and all claims for personal injury or property damage resulting from the negligence of the bidder or anyone working under its control;
- (4) Comprehensive Automobile Liability shall apply for all owned, non-owned and hired vehicles at a limit of not less than \$1,000,000 combined single limit for bodily injury and property damage for incident;
- (5) With the exception of Workers Compensation, each Certificate shall name the East Windsor Municipal Utilities Authority as an additional insured. A copy of the additional insured endorsement for each insurance policy shall be provided to the Executive Director for the East Windsor Municipal Utilities Authority within thirty (30) days of the award of the contract.
- (6) The Certificate should include a thirty (30) day notice of cancellation provision.

EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY

WATER/SEWER MAINTENANCE MATERIALS 2024-2025

Item	Quantity	Description	Model O.D. Range	Unit Price	Extension
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1 REPAIR SLEEVE (bid line items to include both DIP and ACP rough barrel sizes)

Smith & Blair 256 All Stainless cast lugs

1.01	10	4" X 10"	4.74 - 5.57 O.D.		
1.02	30	4" X 15"	4.74 - 5.57 O.D.		
1.02(a)	10	4" X 20"			
1.03	10	6" X 10"			
1.04	30	6" X 15"			
1.05	10	6" X 20"			
1.06	10	8" X 10"			
1.07	20	8" X 15"			
1.08	10	8" X 20"			
1.09	10	10" X 15"			
1.10	10	12" X 15"	13.00 - 14.00 O.D.		
1.11	10	12" X 15"	13.14 - 14.34 O.D.		
1.12	10	12" X 20"	13.04 - 14.34 O.D.		
1.13	10	12" X 20"	13.65 - 14.85 O.D.		
1.14	10	16" X 20"	17.15 - 17.90 O.D.		

Hymax Grip

1.15	5	6"			
1.16	5	8"			
1.17	5	10"			
1.18	5	12"			
1.19	10	14"			
1.20	10	16"			
1.21	10	Romac Armor Lock 8"			

1.22	10	Romac Armor Lock 10"			
1.23	10	Romac Armor Lock 12"			
1.24	10	Romac Armor Lock 14"			
1.25	10	Romac Armor seal 8"			
1.26	10	Romac Armor seal 10"			
1.27	10	Romac Armor seal 12"			
1.28	10	Romac Armor seal 14"			

Special Repair Sleeve Smith & Blair

1.29	2	6" X 10"	226/6.56 - 6.96 O.D.		
1.30	2	6" X 15"	226/6.56 - 6.96 O.D.		
1.31	2	12" X 20" - D.I. Pipe	227/13.20 - 14.00 O.D.		
1.32	2	12" X 20" - A.C. Pipe	227/13.25 - 14.03 O.D.		
1.33	2	12" X 20" - A.C. Pipe	227/13.65 - 14.85 O.D.		
1.34	2	20" X 20" - D.I. Pipe	228 (2) Band 21.52 - 22.27 O.D.		
1.35	2	24" X 20" - D.I. Pipe	228 (2) Band 25.70 - 26.80 O.D.		
1.36	2	24" X 20" - D.I. Pipe	228 (3) Band 26.48 - 27.58 O.D.		

Tapped Repair Sleeve (bid line items to include both DIP and ACP rough barrel sizes)

Smith Blair 256 all stainless cast lug

1.37	2	4" X 3/4" X 15"			
1.38	3	6" X 3/4" X 15"			
1.39	3	6" X 1" X 15"			
1.40	3	8" X 3/4" X 15"			
1.41	3	8" X 1" X 15"			
1.42	1	10" X 3/4" X 15"			
1.43	1	10" X 1" X 15"			
1.44	1	12" X 3/4" X 15"			
1.45	1	12" X 1" X 15"			

2

Corporation stops - Compression - 90 degree Bend Complete with gasket & quarter Bend coupling

Mueller H 15020N

2.01	50	3/4"							
2.02	100	1"							
2.03	4	1 1/4"							
2.04	10	1 1/2"							
2.05	40	2"							
<u>Corporation stops - straight, Compression, CC thread</u>									

2.06	50	3/4"							
2.07	100	1"							
2.08	4	1 1/4"							
2.09	10	1 1/2"							
2.10	40	2"							

3

Oriseal Curb Stop - Mark 11 Flared (for Copper)

Mueller H 15204n

3.01	50	3/4"							
3.02	50	1"							
3.03	10	1 1/2"							
3.04	40	2"							

Oriseal Curb Stop - Mark 11 Flared (for Copper)

Ford

3.05	50	3/4"							
3.06	50	1"							
3.07	10	1 1/2"							
3.08	40	2"							

Compression Curb Stops
Mueller H 15209N

3.09	50	3/4"							
3.10	50	1"							
3.11	10	1 1/2"							
3.12	40	2"							
3.13	25	1" X 3/4"							
McDonald Miller 6100-22 (4139-164-0)									

Compression Curb Stops
Ford B44 - ?? - NL

3.14	50	3/4"							
3.15	50	1"							
3.16	10	1 1/2"							
3.17	40	2"							
3.18	25	1" X 3/4"							
McDonald Miller 6100-22 (4139-164-0)									

Instatite Fittings (Mueller 110 or Equivalent)

3.19	18	3/4" MIP X 3/4" instatite (PE & IPS)							
3.20	18	3/4" FIP X 3/4" instatite (PE & IPS)							
3.21	18	1" MIP X 1" instatite (PE & IPS)							
3.22	18	1" FIP X 1" instatite (PE & IPS)							

Compression Fittings (Mueller 110 or equivalent)

3.23	18	3/4" CTS X 3/4" CTS Coupling			
3.24	18	1" CTS X 1" CTS Coupling			
3.25	12	1 1/2" CTS X 1 1/2" CTS Coupling			
3.26	12	2" CTS X 2" CTS Coupling			
3.27	18	3/4" CTS X 3/4" IPS/PE Coupling			
3.28	18	1" CTS X 1" IPS/PE Coupling			
3.29	18	1 1/2" CTS X 1 1/2" IPS/PE Coupling			
3.30	18	2" CTS X 2" IPS/PE Coupling			
3.31	18	3/4" IPS/PE X 3/4" IPS/PE Coupling			
3.32	18	1" IPS/PE X 1" IPS/PE Coupling			
3.33	18	1 1/2" IPS/PE X 1 1/2" IPS/PE Coupling			
3.34	18	2" IPS/PE X 2" IPS/PE Coupling			
3.35	8	3/4" CTS X 3/4" CTS 45 deg bend			
3.36	8	1" CTS X 1" CTS 45 deg bend			
3.37	8	1 1/2" CTS X 1 1/2" CTS 45 deg bend			
3.38	8	2" CTS X 2" CTS 45 deg bend			
3.39	8	3/4" CTS X 3/4" CTS 90 deg bend			
3.4	8	1" CTS X 1" CTS 90 deg bend			
3.41	8	1 1/2" CTS X 1 1/2" CTS 90 deg bend			
3.42	8	2" CTS X 2" CTS 90 deg bend			

4

Curb Boxes

4.01	100	3' - 4' Burial	Buffalo type		
4.02	20	Caps - complete w/brass nuts	Buffalo type		

4.03	20	2 1/2" Repair Lid w/ retainer glands (H-10373)	Buffalo type		
4.04	20	3" Repair lid w/retainer glands (H-10374)	Buffalo type		
4.05	20	20" top section w/lid	Buffalo type		
4.06	20	16" extension	Buffalo type		
4.07	300	4' Mueller 2-hole lid curbox less rod	Mueller H1031440		
4.08	100	5' Mueller 2-hole lid curbox less rod	Mueller H1031450		
4.09	100	6' Mueller 2-hole lid curbox less rod	Mueller H1031460		
4.1	40	6" erie curb box extension			
4.11	40	12" erie curb box extension			
4.12	300	29" stainless rod			
4.13	100	42" stainless rod			
4.14	100	54" stainless rod			

5

Fire Hydrants 5 1/4" Barrel 4' - 5' Burial excluding Glands

5.01	30	Mueller Centurion A-423			
5.02	20	Kennedy Guardian K-81			
5.03	30	Clow Medallion F-2545			
5.04	30	American Darling B84B			
5.04(b)	10	American Darling B84B Alpha End			
5.04(c)	30	AVK 2780			
5.04(d)	10	AVK 2780 w/ HDPE Connection			

Hydrant Insert - 5 1/4" Barrel, 4-5 ' Burial

5.05	15	Kennedy Guardian K-81 A - 4 1/2' Burial			
5.06	15	Kennedy Guardian K-81 A - 5' Burial			

Mueller Hydrant extension, complete w/Kit

M-A320

5.07	12	6"				
5.08	12	12"				
5.09	3	18"				
5.10	6	24"				

Kennedy Guardian Hydrant extension, complete w/Kit

K-8150

5.11	4	6"				
5.12	2	12"				
5.13	2	18"				

Clow Medallion Hydrant extension w/Kit

F-2545

5.14	6	6"				
5.15	6	12"				
5.16	6	18"				

American Darling - Ground line Extension, complete w/Kit

B84B

5.17	12	6"				
5.18	12	12"				
5.19	3	18"				
5.20	6	24"				

Hydrant Repair Kits

5.21	20	Mueller - Collision Kit M-A301			
5.22	20	Mueller Extension Kit A-280375			
5.23	20	Mueller Bonnet Conversion Kit (395L) M107			
5.24	20	Kennedy Repair Kit K8149			
5.25	18	Weather Cap (A423) A-2			
5.26	20	Clow Medallion Collision Kit F2545			
5.27	20	American Darling Traffic Repair Kit B84B			
5.28	20	Hydrant Stems - Upper & Lower Mueller A423			
5.29	10	Hydrant Stems - Upper & Lower Clow			
5.30	10	Hydrant Stems - Upper & Lower American Darling			
5.31	6	Hydrant Stems - Upper & Lower Kennedy			
5.32	6	Hydrant Stems - Upper & Lower American Darling			

HYDRANT REPAIR KITS CONTINUED:

IMPROVED PRIOR TO 1972 MUELLER

5.33	12	Operating Nut	H-51		
5.34	12	Hold down nut	H-53		
5.35	12	O Ring	H-93		
5.36	12	Upper Stem	H-74		
5.37	12	Set Screw	H-94		
5.38	12	Safety Sleeve	H-95		
5.39	12	Safety stem coupling	H-75		
5.40	12	Safety Flange gasket	H-76		
5.41	12	Safety Flange	H-77		
5.42	12	Safety Flange bolt	H-78		

5.43	12	Lower stem	H-79		
5.44	12	Drain Valve facing	H-81		
5.45	12	Drain Valve facing Screw	H-82		
5.46	12	Upper Valve plate	H-83		
5.47	12	Shoe Gasket	H-84		
5.48	12	Metallic Gasket	H-86		
5.49	12	Seat Ring	H-87		
5.50	12	Main Valve	H-88		
5.51	12	Lower Valve Plate	H-89		
5.52	12	Valve Plate Nut	H-90		
5.53	12	Cap Nut	H-91		
5.54	12	Bonnet repair kit for Centurion hydrant	Mueller 280355		
5.55	12	Bonnet repair kit for improved hydrant	Mueller 280360		

6

Smith & Blair # 665 SS MJ Tapping Sleeve

6.01	2	6" X 4"			
6.02	5	6" X 6"			
6.03	1	8" X 4"			
6.04	3	8" X 6"			
6.05	4	8" X 8"			
6.06	1	10" X 4"			
6.07	2	10" X 6"			
6.08	2	10" X 8"			
6.09	1	10" X 10"			
6.10	1	12" X 4"			
6.11	2	12" X 6"			
6.12	3	12" X 8"			

6.13	1	12" X 10"							
6.14	2	12" X 12"							
6.15	1	16" X 6"							
6.16	1	16" X 8"							
6.17	1	16" X 10"							
6.18	1	16" X 12"							

Smith & Blair MJ Tapping Sleeve (For Transite Pipe)

6.19	2	6" x6"							
6.20	2	8" X 8"							
6.21	2	10" X 10"							
6.22	2	8" X 6"			9.05 -9.40 O.D.				
6.23	2	10" X 6"			11.76 - 12.20 O.D.				
6.24	2	10" X 8"			11.76 - 12.20 O.D.				
6.25	2	12" X 6 "			14.03 - 14.51 O.D.				
6.26	2	12" X 8"			14.03 - 14.51 O.D.				
6.27	2	12" X 10"			14.03 - 14.51 O.D.				
6.28	2	12" X 12"			14.03 - 14.51 O.D.				

7

DELETED

8

Reducers (Ductile, MJ) Compact, Excluding Glands - Tyler or equal

8.01	6	6" X 4"							
8.02	6	8" X 6"							
8.03	6	10" x 6"							
8.04	6	10" x 8"							

Tees (Ductile, MJ, FLEX T2) Compact (Excluding Glands) IN-FACT T2

9.14	6	6" x 6" x 6"					
9.15	6	8" x 8" x 8"					
9.16	6	8" x 8" x 6"					

Tees (Ductile, MJ, FLEX T3) Compact (Excluding Glands) IN-FACT T3

9.17	6	6" x 6" x 6"					
9.18	6	8" x 8" x 8"					
9.19	6	8" x 8" x 6"					

90 Bend, Compact (Excluding Glands) Tyler or Equal

9.20	6	6"					
9.21	4	8"					
9.22	4	10"					
9.23	6	12"					
9.24	6	16"					

45 Bend, Compact (Excluding Glands) Tyler or Equal

9.25	6	6"					
9.26	4	8"					
9.27	4	10"					
9.28	4	12"					
9.29	4	16"					

22 1/2 Bend, Compact (Excluding Glands) Tyler or Equal

9.30	6	6"				
9.31	4	8"				
9.32	4	10"				
9.33	4	12"				
9.34	4	16"				

11 1/4 Bend, Compact (Excluding Glands) Tyler or Equal

9.35	4	6"				
9.36	4	8"				
9.37	4	10"				
9.38	4	12"				
9.39	4	16"				

Solid coupling, Compact (Excluding Glands) Tyler or equal

9.40	20	4" x 12"				
9.41	20	6" x 12"				
9.42	20	8" x 12"				
9.43	6	10" x 12"				
9.44	6	12" x 12"				
9.44(a)6	6	14" x 14"				
9.45	6	16" x 16"				

Straight and Transition Coupling Hymax 2000

9.45	12	150/6" 6.42-7.68 overall range			
9.46	12	200/8" 8.54-9.84 overall range			
9.47	6	250/10" 10.70-12.00 overall range			
9.48	6	300/12" 12.40-13.66 overall range			
9.49	6	300/12" O.S. 13.15 - 14.41 overall range			
9.50	6	300/16" 17.10 - 19.20 overall range			

Straight and Transition Coupling ROMAC -ALPHA

9.51	12	4" (4.50-4.90) ALPHA -A - 4.90			
9.52	12	6" (6.60-7.00) ALPHA -A - 7.00			
9.53	12	8" (8.60-9.10) ALPHA -A - 9.10			
9.54	12	10" (10.75-11.20) ALPHA -A - 11.20			
9.55	12	12" (12.75-13.30) ALPHA -A - 13.30			

Straight and Transition Coupling ROMAC -ALPHA FC

9.56	12	4" (4.50-4.90) ALPHA -FC - 4.90			
9.57	12	6" (6.60-7.00) ALPHA -FC - 7.00			
9.58	12	8" (8.60-9.10) ALPHA -FC - 9.10			
9.59	12	10" (10.75-11.20) ALPHA -FC - 11.20			
9.60	12	12" (12.75-13.30) ALPHA -FC - 13.30			

Foster MJ Adapters

9.61	6"	6" adapter with accessory pack part# 33525							
9.62	6"	8" adapter with accessory pack part #33800							
9.63	6"	10" adapter with accessory pack part # 34080							
9.64	6"	12" adapter with accessory pack part # 34420							

10

Gate Valve Box and Riser

10.01	50	4 -6' Burial Box w/ lid		H10363					
10.02	20	extension							
10.03	20	16" upper section - slip type							
10.04	50	1" Riser		H10376					
10.05	100	2" Riser		H10376					
10.06	50	3" riser							
10.07	50	4" riser							
10.08	50	Valve Box Lids		VBLid 2600W					

11

Gate Valve, Mechanical Joint(Excluding Glands) Mueller A2361 Resilient Wedge)

11.01	4	4"		open Left					
11.02	12	6"		open Left					
11.03	16	8"		open Left					
11.04	16	10"		open Left					
11.05	20	12"		open Left					
11.06	20	14"		open Left					
11.07	10	16"		open Left					

12

Kennedy Gate Valve Mechanical Joint (Excluding Glands)

12.01	4	4"	open left		
12.02	12	6"	open left		
12.03	16	8"	open left		
12.04	16	10"	open left		
12.05	20	12"	open left		
12.06	20	14"	open left		
12.07	10	16"	open left		

13

Clow Gate Valve Mechanical Joint (Excluding Glands)

13.01	4	4"	open left		
13.02	12	6"	open left		
13.03	16	8"	open left		
13.04	16	10"	open left		
13.05	20	12"	open left		
13.06	20	14"	open left		
13.07	10	16"	open left		

14

American Darling Gate Valve Mechanical Joint (Excluding Glands)

14.01	4	4"	open left		
14.02	12	6"	open left		
14.03	16	8"	open left		
14.04	16	10"	open left		
14.05	20	12"	open left		
14.06	20	14"	open left		
14.07	10	16"	open left		

American Darling Gate Valve ALPHA ENDS

14A.01	4	4"	open Left		
14A.02	12	6"	open Left		
14A.03	16	8"	open Left		
14A.04	16	10"	open Left		
14A.05	20	12"	open Left		
14A.06	20	14"	open Left		
14A.07	10	16"	open Left		

AVK Gate Valve Series 65, MJ, excluding glands

14B.01	4	4"	open Left		
14B.02	12	6"	open Left		
14B.03	16	8"	open Left		
14B.04	16	10"	open Left		
14B.05	20	12"	open Left		
14B.06	20	14"	open Left		
14B.07	10	16"	open Left		

AVK Gate Valve Series 66 HDPE Fusible DR 11

14C.01	4	4"	open Left		
14C.02	12	6"	open Left		
14C.03	16	8"	open Left		
14C.04	16	10"	open Left		
14C.05	20	12"	open Left		

14C.06	20	14"	open Left	
14C.07	10	16"	open Left	

15

Shell Cutters - Only Mueller CL-12 Machine

15.01	1	4"	83203	
15.02	1	6"	83134	
15.03	1	8"	83135	
15.04	1	10"	83140	
15.05	1	12"	83141	

16

Saddles for A-2 Tapping Machine W/Mueller Threads (AC Pipe)

Smith & Blair 313

16.01	10	6" X 3/4"		
16.02	10	6" X 1"		
16.03	10	8" X 3/4"		
16.04	10	8" X 1"		
16.05	10	10" X 1"		
16.06	10	12" X 3/4" 12.62-14.32 O.D.		
16.07	10	12" X 1" 12.62 - 14.32 O.D.		
16.08	10	12" X 3/4" 13.20 - 14.26 O.D.		
16.09	10	12" X 1" 13.20 - 14.26 O.D.		
16.10	10	12" X 3/4" 12.62 - 14.32 O.D.		
16.11	10	12" X 2" 12.62 - 14.32 O.D.		
16.12	10	12" X 2" 13.20 - 14.26 O.D.		

Saddles for A-2 Tapping Machine w/Mueller thread (Ductile Pipe)
Smith & Blair

16.12	20	6" X 2"	313		
16.13	20	8" X 2"	313		
16.14	20	10" X 2"	313		
16.15	10	12" X 2"	313		
16.16	2	16 X 2"	313		
16.17	2	20" X 2"	366		

17

Ductile Iron Pipe Cement Lined Push on, Class 52

17.01	600	ft. 4"			
17.02	600	ft. 6"			
17.03	2000	ft. 8"			
17.04	600	ft. 10"			
17.05	1000	ft. 12"			
17.06	400	ft. 16"			

18

Miscellaneous Items

18.01	50	3/4" Threaded Stainless Rod			
18.02	50	3/4" DUC Lugs			
18.03	50	3/4" Bent Eye Bolts			
18.04	50	6" Socket Clamps			
18.05	50	8" Socket Clamps			
18.06	50	10" Socket Clamps			
18.07	50	12" Socket Clamps			

18.08	50	16" Socket Clamps							
18.09	50	Boxlok Valve Box Alng. Device							
18.10	50	Pipe Joint Lubricant							

19

K - Copper

19.01		Deleted							
19.02	1200	ft. 3/4"		60 ft rolls					
19.03	1800	ft. 1"		60 ft rolls					
19.04	300	ft. 1.25"		60 ft rolls					
19.05	600	ft. 1.5"							
19.06	500	ft. 2"		straights					

19.05		Deleted							
19.06		Deleted							
19.07		Deleted							
19.08		Deleted							

Copper X Copper Union - Compression - Mueller H15403N

19.09	50	3/4"							
19.10	50	3/4" to 1"							
19.11	50	1"							
19.12	20	2"							

Tyler Retaining Gland Kit - Complete w/Nuts, Bolts and Accessories

19.13	20	4"							
19.14	20	6"							
19.15	20	8"							
19.16	20	10"							
19.17	20	12"							

MJ Field Lok Gland Kit complete w/Flange/Gasket/Nuts & Bolts

19.18	20	4"							
19.19	20	6"							
19.20	20	8"							
19.21	16	10"							
19.22	20	12"							

EBBA Mega Lug Accessory Kits

19.23	20	4"							
19.24	20	6"							
19.25	20	8"							
19.26	16	10"							
19.27	20	12"							

Tyler Tuff Grip Accessory Kit (Series 1000 - Ductile)

19.24	20	6"							
19.25	20	8"							
19.26	16	10"							
19.27	20	12"							

Tyler Tuff Grip Accessory Kit (Series 2000 - Plastic)

19.28	20	6"				
19.29	20	8"				
19.30	20	10"				
19.31	20	12"				
19.32	20	16"				

20

PVC Schedule 40

PVC Couplings Socket X Socket

20.01		3"				
20.02		4"				
20.03		6"				
20.04		8"				

PVC Long Turn Ells 90 Degree Socket X Socket

20.05		3"				
20.06		4"				
20.07		6"				
20.08		8"				

PVC Ells 45 Degree Socket X Socket

20.09		3"				
20.10		4"				
20.11		6"				
20.12		8"				

PVC Ells 22 1/2 Degree Socket X Socket

20.13		3"					
20.14		4"					
20.15		6"					
20.16		8"					

PVC Long Turn Tee Socket X Socket X Socket

20.17		3"					
20.18		4"					
20.19		6"					
20.20		8"					

PVC Reducing Bushing Insert X X Socket

20.21		6" X 4"					
20.22		8" X 4"					

PVC Schedule 40 Pipe - 20' Lengths

20.23		3"					
20.24		4"					
20.25		6"					
20.26		8"					
20.27		10"					
20.28		12"					

PVC Schedule 80

CPVC Couplings Socket X Socket

21.01		1/2"					
21.02		3/4"					
21.03		1"					
21.04		1 1/4"					
21.05		1 1/2"					
21.06		2"					

CPVC Ells 90 Degree Socket X Socket

21.07		1/2"					
21.08		3/4"					
21.09		1"					
21.10		1 1/4"					
21.11		1 1/2"					
21.12		2"					

CPVC Ells 45 Degree Socket X Socket

21.13		1/2"					
21.14		3/4"					
21.15		1"					
21.16		1 1/4"					
21.17		1 1/2"					
21.18		2"					

CPVC ELIs 22 1/2 Degree Socket X Socket

21.19		1/2"					
21.20		3/4"					
21.21		1"					
21.22		1 1/4"					
21.23		1 1/2"					
21.24		2"					

CPVC Tee Socket X Socket X Socket

21.25		1/2"					
21.26		3/4"					
21.27		1"					
21.28		1 1/4"					
21.29		1 1/2"					
21.30		2"					

CPVC Male Adapters Socket X Thread

21.31		1/2"					
21.32		3/4"					
21.33		1"					
21.34		1 1/4"					
21.35		1 1/2"					
21.36		2"					

CPVC Female Adapters Socket X Thread

21.37		1/2"					
21.38		3/4"					
21.39		1"					
21.40		1 1/4"					
21.41		1 1/2"					
21.42		2"					

CPVC Reducing Couplings Socket X Socket

21.43		1/2" X 3/8"					
21.44		3/4" X 1/2"					
21.45		1" X 3/4"					
21.46		1 1/4" X 1"					
21.47		1 1/2" X 1 1/4"					
21.48		2" X 1 1/2"					

CPVC Reducing Bushings Socket X Female Thread

21.49		1/2" X 3/8"					
21.50		1/2" X 1/2"					
21.51		3/4" X 3/8"					
21.52		3/4" X 1/2"					
21.53		3/4" X 3/8"					
21.54		1" X 3/8"					
21.55		1" X 1/2"					

CPVC True Union Ball Valves, Schd. 80 -Spears - EPDM

21.56		1/2"							
21.57		3/4"							
21.58		1"							
21.59		1 1/4"							
21.60		1 1/2"							
21.61		2"							

CPVC True Union Ball Valves, Schd. 80 - Spears - Viton

21.62		1/2"							
21.63		3/4"							
21.64		1"							
21.65		1 1/4"							
21.66		1 1/2"							
21.67		2"							

CPVC True Union Ball Valves, Schd. 80 - George Fisher - EPDM

21.68		1/2"							
21.69		3/4"							
21.70		1"							
21.71		1 1/4"							
21.72		1 1/2"							
21.73		2"							

CPVC True Union Ball Valves, Schd. 80 - George Fisher - Viton

21.74		1/2"							
21.75		3/4"							
21.76		1"							
21.77		1 1/4"							
21.78		1 1/2"							
21.79		2"							

CPVC True Union Ball Valves, Schd. 80 - Hayward - EPDM

21.80		1/2"							
21.81		3/4"							
21.82		1"							
21.83		1 1/4"							
21.84		1 1/2"							
21.85		2"							

CPVC True Union Ball Valves, Schd. 80 - Hayward - Viton

21.86		1/2"							
21.87		3/4"							
21.88		1"							
21.89		1 1/4"							
21.90		1 1/2"							
21.91		2"							

CPVC Schedule 80 Pipe - 20' Lengths

21.92		1/2"							
21.93		3/4"							
21.94		1"							
21.95		1 1/4"							
21.96		1 1/2"							
21.97		2"							

22

Flexible Couplings - Fernco - Stainless Steel Bands

5056RC Series - Cast Iron, Steel, PVC, Lead X Cast Iron, Steel, PVC, Lead

22.01		3"							
22.02		4"							
22.03		6"							
22.04		8"							
22.05		10"							
22.06		12"							

5002RC Series - Clay X Cast Iron, Plastic

22.07		3"							
22.08		4"							
22.09		6"							
22.10		8"							
22.11		10"							
22.12		12"							

5051RC Series - AC, Ductile Iron X Cast Iron, Plastic

22.13		3"							
22.14		4"							
22.15		6"							
22.16		8"							
22.17		10"							
22.18		12"							

5055RC Series - AC, Ductile Iron X AC, Ductile Iron

22.19		3"							
22.20		4"							
22.21		6"							
22.22		8"							
22.23		10"							
22.24		12"							

Flexible Couplings - Fernco

5006RC Series - Concrete X Cast Iron, Plastic

22.25		8"							
22.26		10"							
22.27		12"							
22.28		16"							
22.29		20"							

POW-R-Wrap Industrial - Repair Patch

22.30		8" - 30"					
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23

C909 PVC Pipe CIOD Ultra Blue Push On Joint

23.01		6"	PC 235				
23.02		8"	PC 235				
23.03		10"	PC 235				
23.04		12"	PC 235				
23.05		16"	PC 165				

24

PVC Mega Lug Accessory Kits

24.01		6"					
24.02		8"					
24.03		10"					
24.04		12"					
24.05		16"					

25

HDPE DR 11 Fusible Pipe DIPS PE4710

25.01	200	6" pipe					
25.02	5000	8" pipe					
25.03	5000	10" pipe					
25.04	4000	12" pipe					
25.05	3000	14" pipe					
25.06	1000	16" pipe					

25.07	20	6" Electrofusion coupling			
25.08	100	8" Electrofusion coupling			
25.09	100	10" Electrofusion coupling			
25.10	100	12" Electrofusion coupling			
25.11	20	14" Electrofusion coupling			
25.12	20	16" Electrofusion coupling			
25.13	20	6x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.14	10	6x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.15	5	6x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.16	100	8x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.17	20	8x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.18	20	8x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.19	100	10x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.20	20	10x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.21	20	10x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.22	50	12x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.23	20	12x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.24	20	12x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.25	50	14x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.26	20	14x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.27	20	14x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.28	50	16x1 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.29	20	16x1.5 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.30	20	16x2 EF saddle, Brass CC thread	DIPS diameter specific, no ranges		
25.31	40	6" HDPE to MJ Adaptor			
25.32	40	8" HDPE to MJ Adaptor			
25.33	40	10" HDPE to MJ Adaptor			
25.34	40	12" HDPE to MJ Adaptor			

25.35	40	14" HDPE to MJ Adaptor				
25.36	40	16" HDPE to MJ Adaptor				
25.37	20	6" SS stiffener for DR11 HDPE				
25.38	20	8" SS stiffener for DR11 HDPE				
25.39	20	10" SS stiffener for DR11 HDPE				
25.4	20	12" SS stiffener for DR11 HDPE				
25.41	20	14" SS stiffener for DR11 HDPE				
25.42	20	16" SS stiffener for DR11 HDPE				

26

C900 PVC Pipe DR 18 PC 235 Blue Brute Push On Joint

26.01	200	4"				
26.01(a)	200	6"				
26.02	200	8"				
26.03	100	10"				
26.04	100	12"				
26.05	100	16"				

27

C900 (Eagle Loc 900) PVC Pipe PC 150 Internally Restrained Joint

27.01		6"				
27.02		8"				
27.03		10"				
27.04		12"				
27.05		16"				

C905 PVC Pipe DR 18 PC 235 Big Blue Push On Joint

Pit Setters (Must Comply With AWWA C800 and NSF-61)

3/4" Full Port Angle Ball Valve (Lock Wing) Single Setting

1" Full Port Angle Ball Valve (Lock Wing) Single Setting

3/4" Full Port Angle Ball Valve (Lock Wing) Dual Setting

1" Full Port Angle Ball Valve (Lock Wing) Dual Setting

2" Full Port Angle Ball Valve (Lock Wing) Single Setting

Lid Setting (Cast Iron) Locking, Recessed w/ 2" Hole

29.11		Frame for 27" Pit			
29.12		Lid w/ Touch Read For 27" Pit			
29.13		15" X 48"			
29.14		18" X 48"			

30 PVC SDR 35 Sewer Pipe and fittings

30.01	400	ft. 4" SDR 35 green			
30.02	400	ft. 6" SDR 35 green			
30.03	1000	ft. 8" SDR 35 green			
30.04	50	PVC 4" glue x threaded cleanout w/ lid			
30.05	50	4" push on lateral tee-wye			
30.06	10	PVC Push On 8 x 4 tee			
30.07	10	PVC push on 8 x 6 tee			

31 Manhole Rings and Lids Cast Iron ASTM A48 / Class 35B

31.01		Ring w/ Lid Stamped E.W.M.U.A.			
		Sewer "Gothic - 25 3/8" DIA. 2" C.I.			
31.02		Lid Stamped "E.W.M.U.A. Sewer			
		Gothic Lettering - 2" High Std. Flat Face			
31.03		1" Riser Ring C.I.			
31.04		1 1/2" Riser Ring C.I.			
31.05		2" Riser Ring C.I.			
31.06		Concrete Ring			

32 Clear Chemical Tubing

Braided and PVC Tubing (Must be rated for Respective Chemical)

32.01	3/8" Clear PVC Flex Tubing	100 ft rolls	
	Hydrofluorilic Acid Rating		
32.02	1/2" Clear Poly Braided	100 ft rolls	
	Hypochlorite Rating		
32.03	3/4" Clear Poly Braided General Purpose	300 ft rolls	
	Flex Hose (Lime)		
32.04	1" Clear Poly Braided General Purpose	300 ft rolls	
	Flex Hose (Lime)		
32.05	3/4" O.D. Polypropylene Semi Clear		

33 Fittings (Braided and PVC Tubing)

Fittings (Must be rated for Respective Chemical)

33.01	3/8" Male X Compression - PVC Flex		
	Tubing (Hydrofluorilic Acid Rating)		
33.02	1/2" Male X compression - Clear Poly		
	Braided (Hypochlorite Rating)		
33.03	3/4" Male X Compression - Clear Poly		
	Braided General Purpose Flex Hose (Lime)		
33.04	1" Male X Compression Clear Poly		
	Braided General Purpose Flex Hose (lime)		

34 HDPE Butt Fusion Machine, EF Machine and accessories

Note: Bidder must be able to do warrenty repairs and have a loaner available for EWMUA use

34.01	1	acstar 618 series 2; 6" IPS - 18" OD - AT1830002	
34.02	1	Rolling 618 Fusion Machine- A1869101	
34.03	1	2" IPS Master insert set w/ Detent pins-2411810	

34.04	1	16" DIPS insert set for 618-2412117			
34.05	1	14" DIPS insert set for 618-2412215			
34.06	1	12" DIPS insert set for 618-2411826			
34.07	1	10" DIPS insert set for 618-1207221			
34.08	1	8" DIPS insert set for 618-1207107			
34.09	1	6" DIPS insert set for 618-1207020			
34.10	1	5" IPS Master insert set w/Detent pins-1207007			
34.11	1	Heater Caddy-AT1818602			
34.12	1	Hydraulic Extension hose-1219105			
34.13	1	1"-20" pipe stand w/hydraulic adjust. AT5066703			
34.14	1	1"-20" pipe stand w/hydraulic adjust. AT5066702			
34.15	1	Poly Horse (Standard) -1875501			
34.16	1	Poly Horse (w/power assist) -1875502			
34.17	1	4.63" Facer Blade set-T1208603C			
34.18	1	9.12" Facer Blade set- T1812602C			
34.19	1	6"-12" Heater Plate kit- A1242108			
34.20	1	12"-18" Heater Plate Kit - A1852013			
34.21	1	pyrometer Kit- A218804			
34.22	1	6,000 lb. Spreader Bar-8261000-0100			
34.23	1	3,000 lb. Spreader Bar- 8261000-0201			
34.24	1	Data Logger 7- DLP0857716 (English)			
34.25	1	Highland 630 V2 EF Processor 125V, AWA14-0050			
34.26	1	Highland 2'-12" Rotary Scraper- at08-0315			
34.27	1	Highland EF Saddle strap top load clamp - AT070040			
34.28	1	Highland EF Straight clamp w/8" DIPS inserts and wrench			
34.29	1	2" IPS Highland Electrofusion straight clamp EF			
34.30	1	1" DIPS Highland Electrofusion straight clamp EF			
34.31	1	1" DIPS Highland Electrofusion straight clamp EF			

34.32	1	Reed 6" Peeler- PEPPEL6			
34.33	1	Reed 12" Peeler-PEPPEL12			
34.34					
34.35					