

SPECIFICATIONS

GENERAL

All materials shall conform to the following Specifications. Where items of a specific manufacturer are indicated on the Proposal Form, it shall be construed that substitutes for the same shall be, in every respect, of comparable quality and dimension, including weight and shall be interchangeable with materials now used in the Township's Works Systems. Where quantities are given, they are approximate only, and the Township reserves the right to increase or decrease the quantity awarded or taken without limit.

All materials shall be domestically manufactured in accordance with N. J.S.A. 52:33-1 et seq.

WATER FITTINGS AND VALVES

TAPPING SLEEVES AND VALVES - shall be as manufactured by the Mueller Co. or approved equal and shall be of suitable dimension for use on the size, class and type pipe indicated on the Proposal Form. The valve-to-sleeve fitting shall be bolted type, and the valve-to-pipe fitting shall be Mechanical Joint as indicated on the Proposal Form.

GATE VALVES - shall be iron body, bronze mounted, non-rising stem valves employing a hook and wedge type mechanism as manufactured by the Mueller Co., and conforming to the applicable AWWA Specification. End fittings and working pressures shall be as designed on the Proposal Form.

FITTINGS - shall be cast iron, mechanical joint, fittings or flanged as designated on the Proposal Form. Mechanical joint fittings shall meet all of the applicable requirements of ASA Specification A21.53. Flanged fittings shall have ASA Class 125 flanges and conform to ASA Specification B16.1. Bid prices for all fittings shall include the necessary appurtenances such as gaskets, retainer glands or bolts. All fittings to be cement lined and tar coated.

VALVE BOXES - Shall be as manufactured by the Mueller Co. for 6" to 12" valves and for a 5 foot trench. They shall be furnished with lids.

FIRE HYDRANTS - Fire Hydrant shall be made in accordance with AWWA Specification C-502. The hydrant shall have a 5" or 5 1/2" valve opening, be for a five foot trench and have a 6" mechanical joint stem. Basic design shall be dry top type which prevents the operating threads from coming in contact with the service water. It shall be of the compression type, opening against the pressure and closing with the pressure. The operating threads shall be sealed in an oil filled operating chamber sealed by top and bottom "O" ring seals. The pump and hose nozzles shall be threaded in place and retained by stainless steel screws. Hydrant shall be equipped with Mueller Option No. 114 Anti Theft Device or approved equal.

Each hydrant shall have a safety stem coupling and a safety flange to minimize traffic damage to the hydrant.

The top of the lower stem shall be below the top of the lower barrel so that a tire cannot depress the stem and open the main valve.

The bolts and nuts shall be electro-galvanized for resistance to corrosion. The bronze seat ring shall thread into a bronze drain ring and be sealed by "O" rings.

The all bronze drain system shall operate automatically without any toggles, springs or synchronized mechanisms.

The entire drain valve and drain valve waterway system shall be completely flushed under full line pressure each time the hydrant is operated.

Two 2 1/2" National standard thread hose nozzles and one 4 1/2" National standard thread steamer nozzle shall be supplied with caps and chains. The hydrant barrels shall be aluminum color and have black caps and chains. Hydrant shall be Mueller Model A-423 or approved equal.

WATER SERVICE AND REPAIR MATERIALS - shall be of a manufacture designated on the Proposal Form. Substitutes will not be permitted unless they are of equal or superior quality and form.

PAYMENT - will be made at the unit price bid for the various items delivered to the job site or 140 Morris Avenue, Denville, N.J. in good condition. Delivery of items designated shall be made only upon requisition by the Township of Denville or its duly authorized representatives.

Payments will be made within 30 days of receipt of approved voucher.

PROPOSAL FOR:

THE FURNISHING OF
PURCHASE OF WATER FITTINGS AND VALVES" FOR THE TOWNSHIP
OF DENVILLE, COUNTY OF MORRIS, STATE OF NEW JERSEY.

BIDDER: _____

DATE: _____

Proposal of _____ (hereinafter called, "Bidder"), a
Corporation of the State of _____ a partnership, an individual doing
business as _____ To the Township of Denville,
County of Morris and State of New Jersey (hereinafter called "Owner")

The Bidder, in compliance with your invitation for bids for the furnishing of
"Water Fittings and Valves" for the Township of Denville during the calendar year
2011, with the Township of retaining the option to extend the
agreement for two (2) one (1) year extensions and related contract documents,
and being familiar with all of the conditions surrounding the supplying of the
service, hereby propose as follows:

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
<u>ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS</u>				
1.	3" Gate Valves Screw End L.P.T. sq. nut with #H10364 valve box w/lid 4-5' Bury A-2360-8 Resilient Seat	1 each	\$ _____	\$ _____
2.	4" Gate Valves - Mech. Joint with #H10364 valve box w/lid 4-5' Bury A-2360-20 Resilient Seat	2 each	\$ _____	\$ _____
3.	6" Gate Valves - Mech. Joint with #10364 valve box w/lid 4-5' Bury A2360-20 Resilient Seat	5 each	\$ _____	\$ _____
4.	8" Gate Valves - Mech. Joint with #10364 valve box w/lid 4-5 Bury A-2360-20 Resilient Seat	3 each	\$ _____	\$ _____
5.	10" Gate Valves - Mech. Joint with #H10364 valve box w/lid 4-5' Bury A2360-20 Resilient Seat	1 each	\$ _____	\$ _____
6.	12" Gate Valves - Mech. Joint with #H10364 valve box w/lid 4-5' Bury A-2360-20 Resilient Seat	1 each	\$ _____	\$ _____
7.	5' Valve Box & Lid #10364	5 each	\$ _____	\$ _____
<u>TAPPING SLEEVES - MECH. JOINT FOR H-615 OR H-619 CAST IRON, DUCTILE AND TRANSITE</u>				
8a. x	12" x 8"	1 each	\$ _____	\$ _____
8b. x	12" x 6"	1 each	\$ _____	\$ _____
8c. x	10" x 8"	1 each	\$ _____	\$ _____
8d. x	10" x 6"	1 each	\$ _____	\$ _____

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
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ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS.

8c	8" x 8"	1 each	\$ _____	\$ _____
8f	8" x 6"	1 each	\$ _____	\$ _____
8g	6" x 6"	1 each	\$ _____	\$ _____
9.	8" Tapping Valve - Mech. Joint comp. w/#10364 Valve Box T-2360-16	1 each	\$ _____	\$ _____
10.	6" Tapping Valve - Mech. Joint comp. w/#10364 Valve Box T-2360-16	1 each	\$ _____	\$ _____
11.	4" Tapping Valve - Mech. Joint comp. w/#10364 Valve Box T-2360-16	1 each	\$ _____	\$ _____
12.	12" X 12" X 10" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
13.	12" x 12" x 8" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
14.	12" x 12" x 6" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
15.	8" x 8" x 8" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
16.	8" x 8" x 6" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
17.	6" x 6" x 6" Tee - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
18.	12" - 90° Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
19.	10" - 90° Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
20.	8" - 90° Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
<u>ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS.</u>				
21.	6" - 90 Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
22.	12" - 45 Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
23.	10" - 45 Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
24.	8" - 45 Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
25.	6" - 45 Bend - Mech. Joint Cement Lined	1 each	\$ _____	\$ _____
26.	12" Smith-Blair #441 Couplings	1 each	\$ _____	\$ _____
27.	10" Smith-Blair #441 Couplings	1 each	\$ _____	\$ _____
28.	8" Smith-Blair #441 Couplings	1 each	\$ _____	\$ _____
29.	6" Smith-Blair #441 Couplings	1 each	\$ _____	\$ _____
30.	4" Smith-Blair #441 Couplings	1 each	\$ _____	\$ _____
31.	4' H-10314 Curb Boxes & Rods	30 each	\$ _____	\$ _____
32.	5' H-10314 Curb Boxes & Rods	5 each	\$ _____	\$ _____
<u>SMITH-BLAIR #226 REPAIR CLAMPS</u>				
33a.	6 x 15	1 each	\$ _____	\$ _____
33b.	8 x 15	1 each	\$ _____	\$ _____
33c.	10 x 10	1 each	\$ _____	\$ _____
33d.	10 x 15	1 each	\$ _____	\$ _____

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
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ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS

33e	12 x 10 Smith-Blair #226	1 each	\$ _____	\$ _____
33f	12 x 15	1 each	\$ _____	\$ _____
34.	1" - H10376 Valve Box Extension no lids	25 each	\$ _____	\$ _____
35a.	2" - H10376 Valve Box Extension, no lids	25 each	\$ _____	\$ _____
35b.	5 1/2" H10361 Valve Box Lid	15 each	\$ _____	\$ _____
36.	3" - 7" H10377 Valve Box Extension, no lids	10 each	\$ _____	\$ _____
37.	3" H10376 Valve Box Extension no lids	1 each	\$ _____	\$ _____

REDUCERS

38.	2" Corp. Stops Mueller #H15000 (Flared) #H-15013 (Compression)	1 each	\$ _____ \$ _____	\$ _____ \$ _____
39.	1" Corp. Stops Mueller #H15000 (Flared) #H-15008 (Compression)	50 each	\$ _____ \$ _____	\$ _____ \$ _____
40.	1/4" Corp. Stops Mueller #H15000 (Flared) #H15008 (Compression)	5 each	\$ _____ \$ _____	\$ _____ \$ _____
41.	2" Curb Stops Mueller #H15204 (Flared) #H-15209 (Compression)	5 each	\$ _____ \$ _____	\$ _____ \$ _____
42.	1" Curb Stops Mueller #H15204 (Flared) #H-15209 (Compression)	50 each	\$ _____ \$ _____	\$ _____ \$ _____
43.	1/4" Curb Stops Mueller #H15204 (Flared) #H-15209 (Compression)	5 each	\$ _____ \$ _____	\$ _____ \$ _____

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
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ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS.

44.	2" Copper to Copper Unions Mueller H15400 Flare H-15403 Compression	2 each	\$ _____ \$ _____	\$ _____ \$ _____
45.	1" Copper to Copper Unions Mueller H15400 Flare H-15403 Compression	10 each	\$ _____ \$ _____	\$ _____ \$ _____
46.	3/4" copper to Copper Unions Mueller H15400 Flare H-15403 Compression	20 each	\$ _____ \$ _____	\$ _____ \$ _____
47.	1" Meter Yokes Copperhom #14111	5 each	\$ _____	\$ _____
48.	5/8" Meter Yokes Copperhom	80 each	\$ _____	\$ _____
49.	Curb Box & Rod for 4 1/2" Trench Mueller H-10386 for 2"	5 each	\$ _____	\$ _____
50.	12" Smith-Blair #313 3/4"cc & 1"cc 1 1/4"cc, 1 1/2"cc & 2"cc Service Clamps	1 each	\$ _____ \$ _____	\$ _____ \$ _____
51.	10" Smith-Blair #313 Service Clamps	1 each	\$ _____	\$ _____
52.	8" Smith-Blair #313 Service Clamps	1 each	\$ _____	\$ _____
53.	6" Smith-Blair #313 Service Clamps	1 each	\$ _____	\$ _____
54.	2" Repair Redi Clamp Smith-Blair #245	5 each	\$ _____	\$ _____
55.	1 1/2" Repair Redi Clamp Smith-Blair #245	5 each	\$ _____	\$ _____
56.	2" Copper to Iron H15425 Adaptors Mueller	1 each	\$ _____	\$ _____

VALVES & FITTINGS

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
<u>ALL MECHANICAL JOINTS, BID PRICE TO INCLUDE RETAINERS.</u>				
57.	1" Copper to Iron H15425 Adaptors Mueller	5 each	\$ _____	\$ _____
58.	3/4" copper to Iron H15425 Adaptors Mueller	10 each	\$ _____	\$ _____
59.	Fire Hydrants with Epoxy Coated Shoe	1 each	\$ _____	\$ _____

TOTAL OF BID ON VALVES & FITTINGS _____

Bidder understands that he will be legally responsible if these specifications are not met. Bidder further understands that the Owner reserves the right to reject any or all bids and to waive any informalities.

The Bid Security attached is in the sum of \$ _____ and is to become the property of the Owner in the event the contract and Bond are not executed within the time set forth above.

ATTEST:

Respectfully submitted,

By _____, Title

(Seal) if Bidder is a corporation

(Address) _____

IMPORTANT: THIS FORM MUST BE COMPLETED

PAGE TWO OF "EXCEPTIONS TO SPECIFICATIONS"

(Signature)

(Printed Name)

(Title)

(Date)