

# REQUEST FOR QUOTATION

RFQ-11-02

CITY OF WINTER HAVEN  
" An Equal Opportunity Employer"

Please return quote to:  
City of Winter Haven  
Procurement Service Division  
P.O. Box 2277  
Winter Haven, FL 33883-2277

For additional information and clarification contact:  
\* Department Name: Utility Services  
\*Contact Person: Cheryl Lundy  
\*Telephone #: (863) 291-5853

DATE ISSUED: 10/5/2010

Please quote on the following items:

Item*	Quantity*	Description*	Unit Cost	Total Cost
<b>see attached specifications</b>				
A	1800'	12" C900 Blue Water Pipe	\$	\$
B	2000'	14 Gauge Blue Tracer Wire	\$	\$
C	1 ea	12" MJ Gate Valve	\$	\$
D	1 ea	8" MJ Gate Valve	\$	\$
E	4 ea	12" MJ - 45 degree	\$	\$
F	1 ea	12 x 12 x 8 MJ Tee	\$	\$
G	14 ea	12" Mega Lug & Kit - PVC	\$	\$
H	2 ea	8" Mega Lug & Kit - PVC	\$	\$
I	6 ea	12 x 2 Tapping Saddle - for 13.20"	\$	\$
J	6 ea	2" Curb Stop, Male x Poly - <b>B84-777W or equal</b>	\$	\$
Total Items A-J				\$

Prices must be valid for 90 days.

Procurement Services Manager: 

**DELIVERY WANTED: Within 14 days ARO**

We offer to sell you as above F.O.B., Winter Haven, Florida. Delivery can be made in \_\_\_\_\_ days from receipt of order.

Date: \_\_\_\_\_ Return this quotation **NOT LATER THAN 2:00 P.M., 10/12/10**  
TO: Procurement Services Division, address above or **FAX TO 863-291-5666**

SIGNATURE: \_\_\_\_\_  
COMPANY NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY/STATE: \_\_\_\_\_  
PHONE: \_\_\_\_\_

**W-9 MUST BE ATTACHED TO THE RFQ WHEN RETURNED BY THE RESPONDING VENDOR.**

**\*\*PAYMENT WILL BE RENDERED TO THE NAME AND ID APPEARING ON THE W-9.**

## SPECIFICATIONS

Gate Valves 4 inches and over: Gate valves 4 inches and over shall be of the resilient seat type meeting the requirements of AWWA C500/C509. These valves shall have non-rising stems, shall be furnished with 2-inch square AWWA operating nuts, and shall open when the nut is turned counterclockwise. Valves shall have an unobstructed waterway equal to or greater than the full nominal diameter of the valve. The valve body shall be constructed of close grain cast iron or ductile iron per ASTM A126, Class B or equivalent material. All retaining segments and adjusting devices shall be of corrosion resistant material. Valve seats shall be a natural rubber or synthetic rubber compound. Valve seats 30 inches and larger shall be field adjustable and replaceable without dismounting operator disc or shaft and without removing the valve from the line. All retaining segments and adjusting devices shall be of corrosion resistant material. Valves 24 inches and smaller shall have bonded or mechanically restrained seats as outlined in AWWA C504. The face-to-face dimensions of valves shall be in accordance with AWWA C504 for short-body valve.

Gate valves 2 inches and under: Gate valves 2 inches and under shall conform with Federal Specifications WW-V-54 Type I solid wedge disc, non-rising stem, secured joints and of bronze construction. Valves shall have malleable iron hand wheels and shall be American 3FG, Nibco T-113, or equal.

Tapping Valve: Tapping valves shall be mechanical joint outlet, non-rising stem, resilient seat gate valves meeting the applicable requirements of AWWA C509. Tapping valves shall be specifically designed for pressure tapping with sufficient seat opening to allow full diameter taps to be made. Tapping valves shall be manufactured with an integral tapping flange having a raised lip design. The valve body shall be constructed of close grain cast iron or ductile iron per ASTM A126, Class B or equivalent material. All retaining segments and adjusting devices shall be of corrosion resistant material. Valve seats shall be a natural rubber or synthetic rubber compound. Valve seats 30 inches and larger shall be field adjustable and replaceable without dismounting operator disc or shaft and without removing the valve from the line. All retaining segments and adjusting devices shall be of corrosion resistant material. Valves 24 inches and smaller shall have bonded or mechanically restrained seats as outlined in AWWA C504. The face-to-face dimensions of valves shall be in accordance with AWWA C504 for short-body valve.

Butterfly Valves: Butterfly Valves and operators shall conform to the AWWA Standard Specification for Rubber Seated Butterfly Valves, Designation C504, except as specified. The valve shaft shall be turned, ground, and polished constructed of 18-8 stainless steel and designed for both torsional and shearing stresses when the valve is operated under its greatest dynamic or seating torque. Shaft shall be of either a one-piece unit extending full size through the valve disc and valve bearing or it may be of a stub shaft design. In general, the butterfly valve operators shall conform to the requirements of AWWA Standard Specifications for Rubber Seated Butterfly Valves, Designation C504.

Potable Water Air Release Valves: Potable Water Air Release Valves shall have a cast iron body, cover and baffle, stainless steel float, bronze water diffuser Buna-N or Viton seat, and stainless steel trim. Valves, fittings, and piping shall be rated for a minimum working pressure of 150 psi. The fittings shall be threaded.

## SPECIFICATIONS

Wastewater Air Release Valve: must be 2" ARI # D-025-P

Check Valves: Check valves shall conform to the requirements of AWWA C508 and shall be iron body, fully bronze mounted, stainless steel hinge pin, outside lever weight operated, swing non-slam type, and equipped with removable inspection covers. Valves design shall incorporate a rubber-faced bronze clapper disc seated by a bronze clapper arm against a bronze seat ring. The clapper arm shall be secured to a stainless steel shaft which turns in bronze bushings. The bushings shall be provided with "O" ring seals. Valves shall be suitable for horizontal installation. Units shall be rated for 150 psi minimum working pressure and shall permit full flow area equal to that of the connecting pipe.

Tapping Sleeves: Tapping sleeves for size-on-size connections shall be mechanical joint split cast iron units and rated for 200 psi working pressure in accordance with AWWA C110. For less than size-on-size connections, tapping sleeves shall be fabricated steel units with a fusion-bonded epoxy coating and shall be pressure rated as above. Tapping sleeves shall have an outlet flange with the dimensions of the Class 125 flanges shown in ANSI B16.1, properly recessed for tapping valve. Glands shall be gray-iron or ductile iron. Gaskets shall be vulcanized natural or synthetic rubber. Bolts and nuts shall comply with ANSI/AWWA C111/A21.11.

Curb Stops: The curb stops shall be ball valve, roundway, with deck, with lock wing cast on stop body and operating tee cap to provide for locking the stop in closed position. Curb stops shall be threaded in accordance with specifications in AWWA C900 and AWWA C901. All curb stops must be pack joint fittings (no compression).

Service Saddles: Service saddles shall have a body made of stainless steel or ductile iron coated with fusion epoxy or nylon, be equipped with double tie straps, and be suitable for either wet or dry installation. The saddle shall be anchored by a minimum four (4) stainless steel bolt pattern on a ductile iron saddle body. The sealing gasket shall be the O-ring type suitable for the applicable service. Outlet flange shall be ANSI B16.1, 125 lbs. standard. Tie straps and bolts shall be a corrosion resistant alloy steel.

Dual Service Branches: Dual service branches (for near-side services only) for a 1-inch service shall be Mueller 15343, or approved equal.

Mega-Lug Restraints: Mega-Lug Restraint dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to ANSI A21.11 and ANSI/AWWA C153/A21.53. Twist-off nuts shall be used to ensure proper actuating of the restraining devices.

Locating wire: 14 AWG, solid wire, 60-mils PVC insulator (insulating color per specification), UF, 500 feet per roll.

## SPECIFICATIONS

Valve Box: The Valve Box barrel shall be two-piece, sliding type, having a 5 ¼ inch shaft. The upper section shall have a flange at the bottom having sufficient bearing area to prevent settling and shall be complete with cast iron covers. Covers shall have "WATER" cast into the top.

Manhole Frames and Covers: Manhole Rings and Covers shall conform to the ASTM Designation A 48, Class 30, and manufactured by U.S. Foundry. Manhole castings shall be 170 E. Casting patterns shall be WINTER HAVEN, FLORIDA.

Fire Hydrants: Fire hydrants shall be of the dry barrel, compression type closing with the line pressure and shall comply with AWWA Standard C502 "Standard for Dry-Barrel Fire Hydrants" and additional requirements as set forth herein. Fire hydrants shall open left with an arrow clearly cast on the top showing the direction of opening. Hydrants shall have a 1-inch pentagon operating nut with an anti-friction washer and bushing above the thrust collar to reduce operating torque. The operating nut, main stem, coupling and main valve assembly shall be capable of withstanding input torque of 200 ft-lbs. in opening or closing directions. The hydrant shall have a factory-filled lubricant reservoir surrounding the working parts in the bonnet, and these parts shall be replaceable without removal of the bonnet section. The reservoir shall have double "O"-ring stem seals, a thrust nut "O" -ring seal, and a weather shield designed to protect the operating nut seal. Grease lubricated hydrants shall use "NEVERSEIZE" lubricant. Fire hydrants shall have two 2 ½ inch hose nozzles and one 4 ½ inch pumper nozzle with National Standard Hose Threads. Hose nozzles shall have a minimum 22-inch to 26-inch clearance from their center line to the bury line which will be cast (or otherwise permanently designated) on the lower barrel and shall be threaded, "O" -ring sealed, and locked into place with a stainless steel locking device. Hose nozzle caps shall be securely chained to the hydrant barrel with heavy duty 3/0 twist link, non-kinking chain and shall have durable neoprene nozzle cap gaskets. Nozzle caps shall be cast with a 1-inch pentagon nut for cap removal. All iron parts of the hydrant both inside and outside shall be painted, in accordance with AWWA C-501. All inside surfaces and the outside surfaces below the ground line shall be coated with asphalt varnish. They shall be covered with two coats, the first having dried thoroughly before the second is applied. The outside of the hydrant above the finished ground line shall be thoroughly cleaned and thereafter painted with one coat of Durusto paint of a durable composition, and one additional coat of #7747 Sun Bright Yellow. Hydrant caps shall be color coded in accordance with NFPA requirements as related to available flow rates.