



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000135751 - One-Time Purchase of Valves and Assemblies for the
Jefferson Parish Department of Drainage**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
13-Oct-2021 05:20:32 PM



Bid Number 50-00135751

**A ONE-TIME PURCHASE OF VALVES AND ASSEMBLIES FOR THE
JEFFERSON PARISH DEPARTMENT OF DRAINAGE**

BID DUE: October 14, 2021 AT 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, www.jeffparishbids.net, by the bid due date and time. Late bids will not be accepted.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer Name: Melissa Ovalle
Buyer Email: MOvalle@jeffparish.net
Buyer Phone: 504-364-2687**

ONE-TIME PURCHASE OF VALVES AND ASSEMBLIES FOR THE JEFFERSON PARISH DEPARTMENT OF DRAINAGE

The intent of this specification is to define the minimum requirements of the Parish of Jefferson for the purchase and delivery of the following valves. A bid is a guarantee by the vendor of all specifications being met.

Submittals:

The following submittals are required upon request, from the Drainage Department, prior to award. Failure to supply documents within three (3) business days, after request, shall deem bidder non-responsive and rejected. Any exception to this specification requires the vendor submit a letter attached to the documents listing in detail how it differs from the specifications. Mere attachment of brochures covering standard manufactured equipment when such differs from these specifications shall not be adequate to satisfy the letter of exceptions requirement.

- A complete specification and submittal of all major components for the proposed valve
- One copy of all pump "Bill of Materials" of the unit's construction, cutaway drawings, and dimensions as offered to confirm compliance with the specifications.

Mere attachment of brochures covering standard manufactured equipment shall not be adequate.

Delivery:

Freight shall be included in base bid. The valve shall be delivered to the Ames pump station warehouse at 5100 Rochester Drive, Marrero, LA 70072. All deliveries shall be made during operating hours between 7:00 AM and 3:00 PM Monday through Friday. Deliveries will not be accepted during Jefferson parish holidays.

Training:

Upon delivery vendor shall train Parish personnel on manual operation, spring returns, preventive maintenance, limit switch operation, speed control knobs and valve operation.

Item 0010: 4" Butterfly valve with lever

Valve specification:

1. Valve must be assembled and tested in the United States.
2. Butterfly valves shall have single-offset disc and shall be of the lugged style. All valves shall be suitable for use with ASME class 125/150 flanges, or specify. Valves shall provide bi-directional bubble-tight shutoff at pressures to 250 psi (1720 kPa) with ductile iron or aluminum bronze discs or 200 psi (1380 kPa) with 316 stainless steel disc/shaft. When specified, valves shall be NSF/ANSI 372 certified lead-free and NSF/ANSI 61 certified for drinking water.
3. Bodies shall be ductile iron. Lugged body valves shall provide bubble-tight shutoff up to the full valve rating on dead end service without the use of downstream flanges. Wafer valves shall have four flange bolt guides to center the body in the pipeline.

4. Discs shall be offset to provide an uninterrupted 360 degree seating edge and shall be nickel plated ductile iron, aluminum bronze or 316 stainless steel. The disc/shaft connection shall be splined.
5. Shafts shall be one-piece 410 stainless steel when valves have ductile iron or aluminum bronze discs and 316 stainless steel when valves have 316 stainless steel discs. Shaft diameters shall meet the AWWA C504, class 75B standard. Multiple shaft seals shall be provided to prevent leakage.
6. Elastomer seats shall fully line and be permanently bonded to the valve body. Seats shall be NBR or EPDM. Seats shall have integral flange seals so flange gaskets are not required.
7. Three shaft bearings made of heavy-duty aluminum bronze shall be provided to ensure smooth, reliable valve operation. Bearings are located adjacent to the top and bottom of the disc, and a third bearing at the top of the valve neck to support loading from actuators.

Item 0020: 4" Butterfly valve with lever, actuator, limit switch, and solenoid assembled (fail open)

Valves shall require the same specification as item 0010 and come assembled with the following.

All valves, actuators, and limit switches shall be assembled, tested, and meet the following specifications or approved equal.

ACTUATOR AND ACCESSORIES

K-TORK PNEUMATIC ROTARY VANE C540-02 VALVE ACTUATOR with manual override, fail open position, limit switch, and solenoid.

1. Actuator Design: Pneumatic actuators are to be of the vane type design with only one (1) moving part. Actuators shall have male output shafts on both sides of actuator to drive valve and control accessories. Actuator shall have a vane position indicator milled into the output shaft. One side of the actuator shall be manufactured to ISO/NAMUR mounting standards for attachment of accessories (limit switches, indicators, positioners). Seals shall be double opposed lip seals with stainless steel expanders. Seal backing plates shall be steel. O-ring seals on vane will not be acceptable.
2. Actuator Materials of Construction: Housing: Pressure die cast A413 or A356 aluminum casting with all surfaces coated with thermosetting hybrid polyester/epoxy powder coat with Ultraviolet Inhibitor. Zinc housing will not be permitted. Actuator housing to include industry-standard NAMUR accessory mount interfaces as an integral part of the housing. The NAMUR VDI/VDE 3845 to be included on top of the actuators and on the solenoid manifold to allow for the easy installation of standard actuator control accessories.
3. Actuator Position-Control Capability:
 - a. Open/Close Valves: Actuators shall be solenoid operated. Solenoids for smaller size actuators shall be standard ISO/NAMUR VDI/VDE 3845 direct mounted with the option to be remote mounting for increased accessibility. Solenoid coils shall be 120 VAC / 60 Hz, NEMA 4 rated. Speed control devices shall allow

- independent adjustment of OPEN and CLOSE cycling speed. Each solenoid valve to include detented pushbutton manual override to lock-and-hold valve in either the OPEN or CLOSE position in the event of a power outage. Exhaust air mufflers shall be standard. Provide 80 to 150 PSI clean, dry air to solenoid valve. Solenoid valves shall be as manufactured by K-TORK 'SIDEWINDER' Series.
- b. Each Open/Close actuator shall include valve position feedback limit switches for remote OPEN and CLOSE indication. Two SPDT switches shall be housed in a NEMA 4/4X aluminum enclosure with polycarbonate lid and include a 3D Dome-style visual valve position indicator that can be seen from above and from the side. Green=Open and Red=Close. The switch box output shaft and fasteners to be stainless steel and shall mount to the actuator per NAMUR VDI/VDE 3845 with a stainless steel bracket. The two electromechanical switch contacts shall be rated 5A@250 VAC, 0.5A@24 VDC, resistive/inductive. Limit switches shall be adjustable by press, turn and release motion requiring the use of no tools. The limit switch assembly to be UL and CUL Listed and approved and shall be manufactured by K-TORK 'INFORMER' Series.
 - c. The solenoid coil must be pre-wired to spare terminals labeled 'Solenoid Valve' inside the limit switch enclosure.
4. Mechanical Manual Override: Actuator shall include a mechanical manual override de-clutch gearbox and hand wheel. The manual override shall be able move and hold the valve in any position between full OPEN and full CLOSE. The manual override shall be capable of remaining on the valve and fully operational with the actuator removed and include two mechanical valve position stops. The manual override shall have a cast iron housing and stainless steel input shaft and fasteners, rated for IP68 / NEMA 4/4X environments. Hand wheel diameter to be selected to limit rim pull to a maximum of 80#. Include 3-way actuator vent valve(s) as required to bleed the actuator and isolate the supply air during manual operation. The 3-way vent valve(s) shall include "Auto" and "Manual" legend plate and the hand wheel shall include OPEN and CLOSE designations and directional arrows. The de-clutch manual override shall be manufactured by the actuator supplier without exception.
 5. Accessories such as limit switches, positioners, solenoid valves as required by the specification, shall be mounted and tested by the vendor actuators prior to shipment to the jobsite.
 6. Torque Capability: The rated torque capability of each actuator shall be sufficient to seat, unseat, and rigidly hold, in any intermediate position, the valve disc it controls under the operating conditions specified herein. Torque safety factors shall conform to AWWA Standards and in no case be less than 1.25 times the valve manufactures specified torques based on operating conditions.
 7. The pneumatic actuators shall have a working pressure of 150 psig per AWWA C540-2 standards with an overload pressure of 220 psig. Actuators with a published 100 psig maximum operating pressure rated will not be acceptable.

8. Actuators shall not require more than three (3) psig to be cycled a complete stroke in each direction before they are connected to the valve.
9. Actuator shall include fail-safe spring return to close valve under power failure. Spring return shall be totally-enclosed and have reversible rotation for fail-open applications.

Item 0030: 8" Butterfly valve with lever, actuator, limit switch, and solenoid assembled (fail open)

Same specification for Item 0010 and 0020 except valves shall be 8".

Item 0040: 10" Butterfly valve with lever, actuator, limit switch, and solenoid assembled (fail open)

Same specification for Item 0010 and 0020 except valves shall be 10".

Item 0050: 12" Butterfly valve with lever, actuator, limit switch, and solenoid assembled (FAIL OPEN)

VALVE

1. 12" Butterfly valves shall meet or exceed the latest revision of AWWA Standard C504 for Class 150B butterfly valves and shall meet or exceed the requirements of this specification. Valves shall have a working pressure of 200 psi. All valves shall be tested at and shall be capable of withstanding bi-directional line hydrostatic test pressures up to 225 psi (1550 kPa) without leaking.
2. Valve bodies shall be of cast iron per ASTM A126 Class B or ductile iron ASTM A536 Grade 65-45-12. Valves shall be flanged end valves with short body design with Class 125 flanged ends faced and drilled per ASME B16.1 standard for cast iron flanges. Flange to flange dimension shall be 8 inches.
3. Discs shall be offset to provide an uninterrupted 360 degree seating edge and shall be 316 stainless steel ASTM A743. The disc seating edge shall be solid 316 stainless steel. Sprayed mating seating surfaces are not acceptable. The disc shall be securely attached to the valve shaft utilizing a field removable/replaceable 316 stainless steel torque screw.
4. Valve shaft shall be type 304 stainless steel. Valve shaft seals shall be self-compensating V-type packing with a minimum of four sealing rings. One-piece molded shaft seals and o-ring shaft seals are not acceptable.
5. The seat shall contain an integral shaft seal protecting the valve bearings and packing from any line debris. Seats vulcanized to cartridge inserts in the valve body and seats on the disc are not acceptable.
6. Valve shaft bearings shall be non-metallic and permanently lubricated.
7. Coatings exterior and interior metallic surfaces of each valve shall be painted per the latest revision of AWWA C504. The interior of the body shall have a full rubber lining vulcanized to the valve body. Mechanical Joint valves shall be fully rubber lined to point of pipe insertion. Rubber lining on the flange face and boot style seats are not acceptable.

ACTUATOR AND ACCESSORIES

K-TORK PNEUMATIC ROTARY VANE C540-02 VALVE ACTUATOR with manual override, fail open position, limit switch, and solenoid.

1. Actuator Design: Pneumatic actuators are to be of the vane type design with only one (1) moving part. Actuators shall have male output shafts on both sides of actuator to drive valve and control accessories. Actuator shall have a vane position indicator milled into the output shaft. One side of the actuator shall be manufactured to ISO/NAMUR mounting standards for attachment of accessories (limit switches, indicators, positioners). Seals shall be double opposed lip seals with stainless steel expanders. Seal backing plates shall be steel. O-ring seals on vane will not be acceptable.
2. Actuator Materials of Construction: Housing: Pressure die cast A413 or A356 aluminum casting with all surfaces coated with thermosetting hybrid polyester/epoxy powder coat with Ultraviolet Inhibitor. Zinc housing will not be permitted. Actuator housing to include industry-standard NAMUR accessory mount interfaces as an integral part of the housing. The NAMUR VDI/VDE 3845 to be included on top of the actuators and on the solenoid manifold to allow for the easy installation of standard actuator control accessories.
3. Actuator Position-Control Capability:
 - a. Open/Close Valves: Actuators shall be solenoid operated. Solenoids for smaller size actuators shall be standard ISO/NAMUR VDI/VDE 3845 direct mounted with the option to be remote mounting for increased accessibility. Solenoid coils shall be 120 VAC / 60 Hz, NEMA 4 rated. Speed control devices shall allow independent adjustment of OPEN and CLOSE cycling speed. Each solenoid valve to include detented pushbutton manual override to lock-and-hold valve in either the OPEN or CLOSE position in the event of a power outage. Exhaust air mufflers shall be standard. Provide 80 to 150 PSI clean, dry air to solenoid valve. Solenoid valves shall be as manufactured by K-TORK 'SIDEWINDER' Series.
 - b. Each Open/Close actuator shall include valve position feedback limit switches for remote OPEN and CLOSE indication. Two SPDT switches shall be housed in a NEMA 4/4X aluminum enclosure with polycarbonate lid and include a 3D Dome-style visual valve position indicator that can be seen from above and from the side. Green=Open and Red=Close. The switch box output shaft and fasteners to be stainless steel and shall mount to the actuator per NAMUR VDI/VDE 3845 with a stainless steel bracket. The two electromechanical switch contacts shall be rated 5A@250 VAC, 0.5A@24 VDC, resistive/inductive. Limit switches shall be adjustable by press, turn and release motion requiring the use of no tools. The limit switch assembly to be UL and CUL Listed and approved and shall be manufactured by K-TORK 'INFORMER' Series.
 - c. The solenoid coil must be pre-wired to spare terminals labeled 'Solenoid Valve' inside the limit switch enclosure.
4. Mechanical Manual Override: Actuator shall include a mechanical manual override de-clutch gearbox and hand wheel. The manual override shall be able move and hold the valve in any position between full OPEN and full CLOSE. The manual override shall be capable of remaining on the valve and fully operational with the actuator removed and include two mechanical valve position stops. The manual override shall have a cast iron

hosing and stainless steel input shaft and fasteners, rated for IP68 / NEMA 4/4X environments. Hand wheel diameter to be selected to limit rim pull to a maximum of 80#. Include 3-way actuator vent valve(s) as required to bleed the actuator and isolate the supply air during manual operation. The 3-way vent valve(s) shall include "Auto" and "Manual" legend plate and the hand wheel shall include OPEN and CLOSE designations and directional arrows. The de-clutch manual override shall be manufactured by the actuator supplier without exception.

5. Accessories such as limit switches, positioners, solenoid valves as required by the specification, shall be mounted and tested by the vendor actuators prior to shipment to the jobsite.
6. Torque Capability: The rated torque capability of each actuator shall be sufficient to seat, unseat, and rigidly hold, in any intermediate position, the valve disc it controls under the operating conditions specified herein. Torque safety factors shall conform to AWWA Standards and in no case be less than 1.25 times the valve manufactures specified torques based on operating conditions.
7. The pneumatic actuators shall have a working pressure of 150 psig per AWWA C540-2 standards with an overload pressure of 220 psig. Actuators with a published 100 psig maximum operating pressure rated will not be acceptable.
8. Actuators shall not require more than three (3) psig to be cycled a complete stroke in each direction before they are connected to the valve.
9. Actuator shall include fail-safe spring return to close valve under power failure. Spring return shall be totally-enclosed and have reversible rotation for fail-close or fail-open applications.

Item 0060: 12" Butterfly valve with lever, actuator, limit switch, and solenoid assembled (FAIL CLOSED)

Same as item 0050 but valve shall fail closed.

Item 0070: 12" Double Door Check Valve

1. Double Door Check Valves shall be compact lug design to fit between pipe flanges.
2. Flow from the pump shall cause the doors to open, and upon pump shut down the torsion spring shall shut the doors prior to flow reversal.
3. Check valve doors shall be spring loaded, normally closed, by means of one or more stainless steel designed for low air pressure applications. Door material shall be stainless steel ASTM A351 CF8M.
4. Hinge and stop pins shall be type 316 stainless steel.
5. Door material shall be 316 stainless steel.
6. Spring material shall be 316 stainless steel.

7. Valve seating of a resilient material shall create a bubble tight seal and shall be made of fluoro rubber (FKM).
8. Valve sealing element shall be NBR molded to the body. Metal seat shall be same material as the body on stainless steel valves, or metal seat with stainless steel inlay on carbon steel body valves.
9. Body shall be ductile iron with pressure ratings per ASME B16.42.
10. End connection shall be wafer, ASME 125/150.
11. Valves shall be fitted with a lifting eye bolt for installation purposes.
12. All hardware shall be provided to secure valves to the existing flanges. Hardware shall be stainless steel and properly sized with manufactures torque recommendation provided.
13. Coating shall be 3 mils minimum (non-stainless steel parts) of enamel on exterior and standard SP10 surface prep.

Warranty:

1. Special Warranty: Manufacturer's two-year warranty shall be provided

Item 0080: 2" Flanged single body combination air valve

1. Valve must be manufactured in the United States.
2. Combination Air Valve shall be single body design and shall provide both Air Release and Air/Vacuum valve functions. Working pressures for ASU-SCAV is 150 psi (1030 kPa) and for ASU-CAV is 300 psi (2070 kPa).
3. Air release shall be accomplished by dual-range venting designed to automatically provide varied and predictable air flow over a wide range of conditions. Air release shall have a 5/16" self-adjusting orifice. The fractional air release orifice must be capable of releasing 140 scfm of air at 150 psi differential pressure.
4. Valves shall close tightly at any pressure between 2 and 150 psi for ASU-SCAV and 2 and 300 psi for ASU-CAV without leaking or spilling. The Air/Vacuum inlet and outlet areas shall meet the flow area requirements set forth in AWWA C512. In any case, the smallest cross-sectional area must define the size of the valve.
5. Valve shall have an upper body compression chamber to limit fluid level and solids interference. It shall also have a funnel shaped lower body to reduce solids buildup and allow for self-cleaning and maximum outflow.
6. A hydraulics-based float design shall be used to reduce the ballistic effect and instability of high speed fluid flow.
7. The guided float shaft shall provide smooth automatic Air Release and Air/Vacuum operation that will not foul and reduce performance on dirty service applications. To avoid loss of performance, the Air Release and Air/Vacuum seating action shall be direct driven by the shaft-mounted float. No linkages shall be used.
8. Flow deflector/splash reduction ring shall be used to restrict solids entry and minimize flow effect and splash that can cause float instability.
9. A 90 degree threaded side outlet shall be included with the valve with an extension pipe. Valves shall be capable of converting to optional vertical threaded outlet or mushroom cap without removing the valve from service and valve disassembly.
10. End connection shall be NPT.

Materials of construction:

11. Body, float, float shaft and hardware shall be 316 stainless steel
12. Piston stem and seat shall be 17-4 PH stainless steel
13. Elastomer seals shall be Acrylonitrile-butadiene (NBR)
14. Piston stem guides shall be Acetal Polyoxymethylene (POM)

Item 0090: 6" Flanged single body combination air valve with anti surge check valve

Same valve specification as noted in item 0080 but 6", with the addition of a surge check valve.

1. Surge Check Valve shall be a normally open, spring loaded valve consisting of a body, seat and plug. The valve is normally bolted to the inlet of the Air/Vacuum Valve. Surge Check Valve shall have a field proven design to provide an automatic reduction of surge pressure in the valve.
2. Surge check shall operate on the interphase between the kinetic energy and relative velocity flows of air and water. It will allow air to pass through but water shall actually close the surge check, reducing the rate of water flow by means of throttling orifices in the plug to prevent shock closure of the Air/Vacuum Valve.
3. Surge check orifices shall be adjustable type to suit operating conditions in the field.
4. Two Year Warranty shall be provided for all valves.

DATE: 9/29/2021
BID NO.: 50-00135751

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: MOVALLE@jeffparish.net

BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 10/14/2021 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 9/29/2021

BID NO.: 50-00135751

Page: 2

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 9/29/2021

BID NO.: 50-00135751

Page: 3

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online.

This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

10,13,15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

DATE: 9/29/2021

Page: 6

BID NO.: 50-00135751

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 12/31/2021

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

Partial - 2 weeks Balance - 12-14 weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Water Technology Resources

ADDRESS: 9201 E Bloomington Fwy Suite Z

CITY, STATE: Bloomington MN ZIP: 55420

TELEPHONE: (952) 641-9004 FAX: (952) 885-9173

EMAIL ADDRESS: contact@wtrvalves.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 22,320.00

AUTHORIZED
SIGNATURE: *Sally Waldor*

Sally Waldor

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 9/29/2021

Page 7

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00135751

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			A One-Time Purchase of Valves and Assemblies for the Jefferson Parish Department of Drainage		
1	6.00	EA	0010 - 4" BUTTERFLY VALVE WITH LEVER	No Bid	
2	4.00	EA	0020 - 4" BUTTERFLY VALVE WITH LEVER, ACTUATOR, LIMIT SWITCH, AND SOLENOID ASSEMBLED (FAIL OPEN)	No Bid	
3	4.00	EA	0030 - 8" BUTTERFLY VALVE WITH LEVER, ACTUATOR, LIMIT SWITCH, AND SOLENOID ASSEMBLED (FAIL OPEN)	No Bid	
4	4.00	EA	0040 - 10" BUTTERFLY VALVE WITH LEVER, ACTUATOR, LIMIT SWITCH, AND SOLENOID ASSEMBLED (FAIL OPEN)	No Bid	
5	8.00	EA	0050 - 12" BUTTERFLY VALVE WITH LEVER, ACTUATOR, LIMIT SWITCH, AND SOLENOID ASSEMBLED (FAIL OPEN)	No Bid	
6	8.00	EA	0060 - 12" BUTTERFLY VALVE WITH LEVER, ACTUATOR, LIMIT SWITCH, AND SOLENOID ASSEMBLED (FAIL CLOSED)	No Bid	
7	12.00	EA	0070 - 12" DOUBLE DOOR CHECK VALVE	\$1860.00	\$22,320.00
8	2.00	EA	0080 - 2" FLANGED SINGLE BODY COMBINATION AIR VALVE	No Bid	
9	1.00	EA	0090 - 6" FLANGED SINGLE BODY COMBINATION AIR VALVE WITH ANTI SURGE CHECK VALVE ***** DELIVER TO: AMES PUMP STATION WAREHOUSE 5100 ROCHESTER DR MARRERO, LA 70072 *****	No Bid	

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF Water Technology Resources
INCORPORATED, DULY NOTICED AND HELD ON 10/13/21,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Sally Waldor, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.


SECRETARY-TREASURER

10/13/2021
DATE

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Minnesota

PARISH/COUNTY OF Hennepin

BEFORE ME, the undersigned authority, personally came and appeared: Sally Waldor
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of Water Technologg Resources (Entity),
the party who submitted a bid in response to Bid Number 50-00135751, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

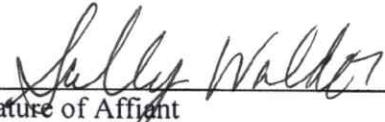
Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

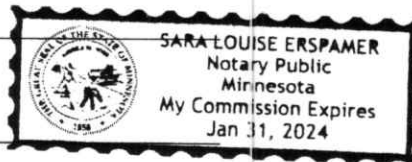
Sally Waldor
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 13 DAY OF October, 2021.


Notary Public

Sara Erspamer
Printed Name of Notary



Notary/Bar Roll Number

My commission expires 01/21/2024.

STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the **Invitation to Bid**. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name **the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE☒ **WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being

rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required if selected below. Such insurance is due upon contract execution.

☒ **OWNER'S PROTECTIVE LIABILITY**

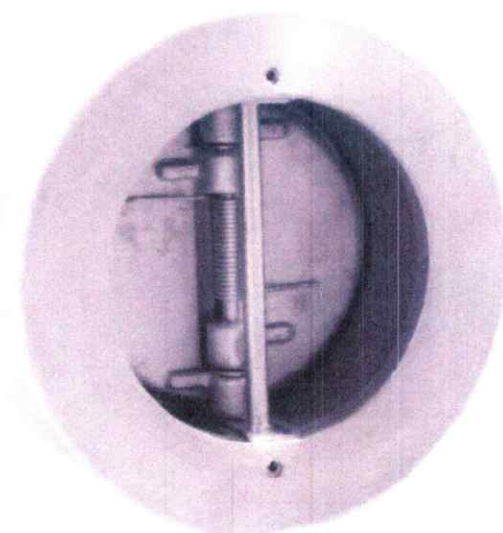
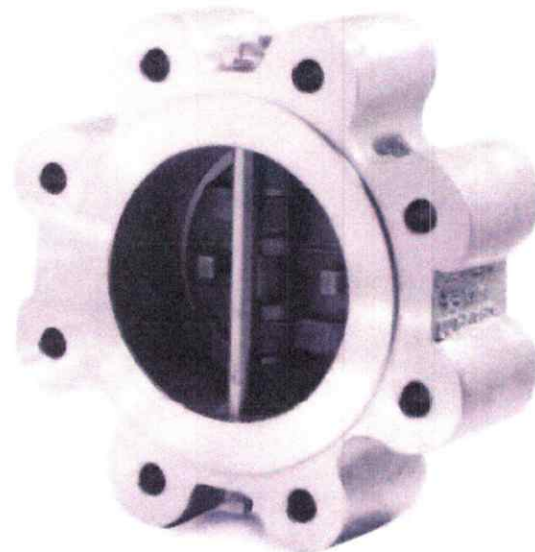
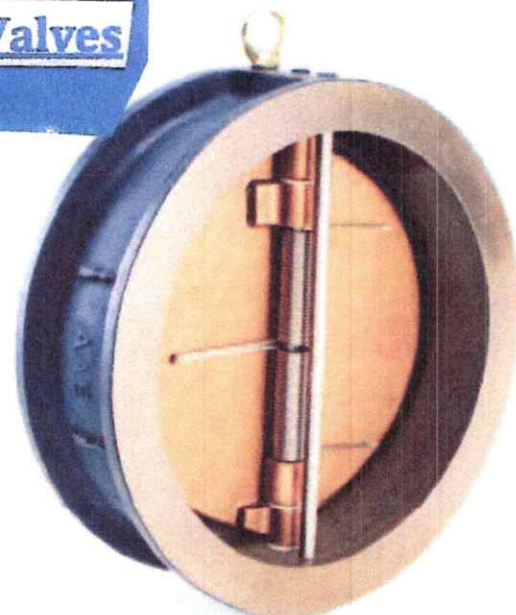
To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☒ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

Water Technology Resources – WTR Valves

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Light weight, versatile design — 80% to 90% less than conventional full-body swing check valves 	<ul style="list-style-type: none"> • Simplifies piping • Reduces thermal and seismic considerations • Optimizes space utilization • Lowers installation costs • Reduces pipe supports • Requires less number of man-hours
<ul style="list-style-type: none"> • Dual Discs open to 85 degrees 	<ul style="list-style-type: none"> • Low cracking pressure and overall pressure drop • Ensures positive closure
<ul style="list-style-type: none"> • Spring-loaded discs calculated to increase the responsiveness of the discs 	<ul style="list-style-type: none"> • Alleviates water hammer and resultant damaging effects
<ul style="list-style-type: none"> • Extended long-leg spring 	<ul style="list-style-type: none"> • Prevents seat wear caused by scrubbing



GENERAL APPLICATION

- General service piping systems
- Water, oil, gasoline, chemicals
- Gas (compressible gases)
- Air (compressed air and blower)

INSTALLATION

Champion Wafer check valves are designed for installation in flanged piping systems, between two flanges. Valves may be installed in vertical or horizontal piping. Care must be taken to always install the valves with the shafts in a vertical position when installing in a horizontal pipeline. Vertical up flow is always a good installation. Consult factory for vertical down flow.

Champion Wafer check valves are designed to provide long service life if the velocity is kept within the flow rate shown in the table on page 7 and if a minimum of 5 pipe diameters of straight pipe in front of the valve is maintained downstream from a likely cause of turbulence (i.e., pump discharge, reducers or elbows).

INDUSTRY STANDARDS

- ASME B16.1, B16.5, B16.34, B16.47 and B31.1
- API 594 and 598 • MSS-SP-25, MSS-SP-55
- API 6A and 6D (as applicable) • MSS-SP-61 (standard for the resilient seated, metal seated when required)

FIGURE NUMBER INFORMATION

DUAL DISC - WAFER BODY

STYLE		BODY & DISCS		
ORDERING LETTER		MATERIAL	SPECIFICATION	
CV - Standard Wafer				
CVR - Retainerless Wafer				
ASME/API SERIES				
12	=	125 Class		
15	=	150 Class		
25	=	250 Class		
30	=	300 Class		
40	=	400 Class		
60	=	600 Class		
90	=	900 Class		
150	=	1500 Class		
250	=	2500 Class		
A		Aluminum Bronze	ASTM B148, Alloy 952; BS 1400, Alloy AB2	
B		Bronze	ASTM B62, C83600	
C		Carbon Steel	ASTM A216, Gr. WCB	
D		Duplex	ASTM A351, Gr. CD4MCu	
F		Alloy 20®	ASTM A351, Gr. CN7M	
G		Cast Iron	ASTM A126; Gr.B	
H		Hastelloy C276®	ASTM A494, Gr. CW12MW	
J		410 Stainless Steel	ASTM A217, Gr. CA15 (12% Cr)	
K		317 Stainless Steel	ASTM A351, Gr. CG8M	
L		Ductile Iron	ASTM A395; Gr. 60-40-18	
M		Monel®	ASTM A494, Gr. M-35-1	
N		Nickel	ASTM A494, Gr. CZ-100	
S		316 Stainless Steel	ASTM A351, Gr. CF8M	
T		304 Stainless Steel	ASTM A351, Gr. CF8	

SEAT			
ORDERING LETTER	MATERIAL	OPERATING TEMPERATURE	
		°C	°F
B	Buna-N®	- 57 to 120	- 70 to 250
E	EPDM	-18 to 135	0 to 300
H	Silicone	-18 to 260	0 to 500
J	410 SS	- 267 to 537	- 450 to 1000+
L	Stellite®	-267 to 537	- 450 to 1000+
N	Neoprene®	- 40 to 120	- 40 to 250
P	Integral Metal	- 267 to 537	- 450 to 1000+
S	316 SS	- 267 to 537	- 450 to 1000+
T	Teflon®	- 40 to 149	- 40 to 300
V	Viton®	- 40 to 204	- 40 to 400

SPRING			
ORDERING LETTER	MATERIAL	OPERATING TEMPERATURE	
		°C	°F
S	316 SS	260	500
M	Monel®	232	450
W	Inconel®	371	700
X	Inconel X-750®	593	1100

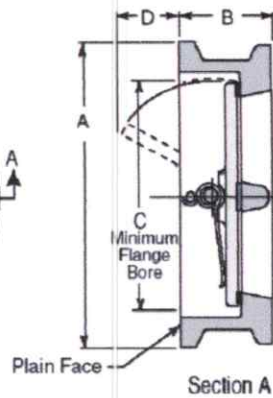
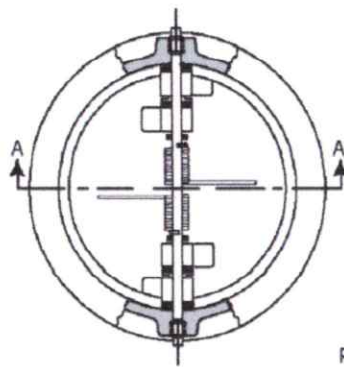
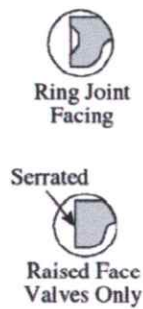
END CONNECTION	
ORDERING LETTER	CONNECTIONS
P	Plain Face
R	Serrated Raised Face
RJ	Ring Joint

BODY CONFIGURATION	
ORDERING LETTER	CONFIGURATION
None(Blank)	Wafer style, inserted between mating flanges with studs spanning entire length
1	Lug design with threaded holes bolted from each end
2	Lug design with through-bolt holes to protect studs
3	Double flanged design with valve flanges bolted to individual like flanges

EXAMPLE: Specifications Call for 6"(150mm), Wafer Style — Retainerless; ASME 300 Champion Wafer Check; 316 Stainless Steel Body; 316 SS Discs; Metal Seat; & Inconel X-750 Spring; Raised Face End Connection; Through — Bolt Lug Body

6CVR30-SSPX-R2									
SIZE	STYLE	PRESSURE CLASS	BODY	DISC	SEAT	SPRING	END CONNECTION	BODY CONFIGURATION	MODIFICATION NUMBER
6"	CVR	30	S	S	P	X	R	2	Assigned by Factory

STYLE CV & CVR INSTALLATION DIMENSIONS*



Flow Direction

This view is rotated 90° to show the actual operating position of the valve. The pin must be vertical for horizontal flow.

Dimensions for lug and double flange body styles and bolting requirements are available upon request.

ASME CLASS 125 (Iron Body Valves Only)

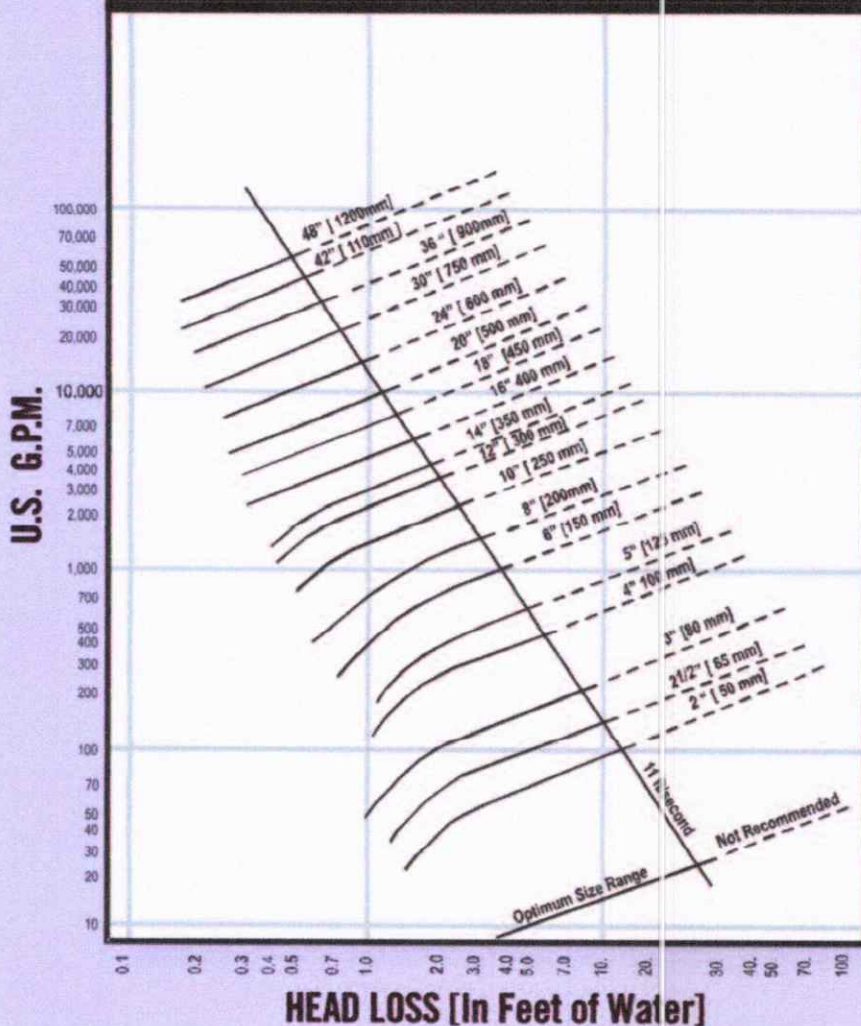
Size		A		B		C		D		Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
2"	50	4 1/8	105	2 1/8	54	2 1/16	52	-	-	4	1.8
2 1/2"	65	4 7/8	124	2 1/8	54	2 15/32	63	-	-	6	2.7
3"	80	5 3/8	137	2 1/4	57	3 1/16	78	5/8	16	7	3.2
4"	100	6 7/8	175	2 1/2	64	4	102	1	25	12	5.4
5"	125	7 3/4	197	2 3/4	70	5	127	1 5/16	33	15	6.8
6"	150	8 3/4	222	3	76	6 1/16	154	1 15/16	35	20	9
8"	200	11	279	3 3/4	95	8	203	3 7/16	54	40	18
10"	250	13 3/8	340	4 1/4	108	10	254	3 3/8	70	65	29
12"	300	16 1/8	410	5 5/8	143	11 15/16	303	3 9/16	83	110	50
14"	350	17 3/4	451	7 1/4	184	12 1/2	318	3 1/16	83	183	83
16"	400	20 1/4	514	7 1/2	191	15	381	4 1/4	113	255	116
18"	450	21 5/8	549	8	203	16 7/8	429	5 3/8	137	315	143
20"	500	23 7/8	606	8 3/8	213	18 13/16	478	6 3/16	160	380	173
24"	600	28 1/4	718	8 3/4	222	22 5/8	575	8 1/4	210	575	261
30"	750	34 3/4	883	12	305	29 1/4	743	9 9/16	229	1070	486
36"	900	41 1/4	1048	14 1/2	368	35	889	12 5/16	303	1962	892
42"	1050	48	1219	17	432	41	1041	15	381	2800	1270
48"	1200	54 1/2	1384	20 5/8	524	47	1194	16 3/4	425	3920	1178

ASME CLASS 150

Size		A		B		C		D		Weight	
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
2"	50	4 1/8	105	2 3/8	60	1 15/16	49	-	-	6	3
2 1/2"	65	4 7/8	124	2 5/8	67	2 11/32	60	-	-	10	5
3"	80	5 3/8	137	2 7/8	73	2 29/32	74	1/4	6	13	6
4"	100	6 7/8	175	2 7/8	73	3 27/32	97	5/8	16	17	8
5"	125	7 3/4	197	3 3/8	86	4 13/16	122	7/8	22	27	12
6"	150	8 3/4	222	3 7/8	98	5 3/4	146	1 3/8	35	35	16
8"	200	11	279	5	127	7 5/8	194	2 1/8	54	70	32
10"	250	13 3/8	340	5 3/4	146	9 9/16	243	2 3/4	70	106	48
12"	300	16 1/8	410	7 1/8	181	11 3/8	289	3 1/4	83	172	78
14"	350	17 3/4	451	7 1/4	184	12 1/2	318	3 1/4	83	200	91
16"	400	20 1/4	514	7 1/2	191	15	381	4 7/16	113	275	125
18"	450	21 5/8	549	8	203	16 7/8	429	5 3/8	137	315	143
20"	500	23 7/8	606	8 5/8	219	18 13/16	478	6 5/16	160	435	197
24"	600	28 1/4	718	8 3/4	222	22 5/8	575	8 1/4	210	620	281
26"	650	30 1/2	775	14	356	24 1/4	616	8	203	1555	705
30"	750	34 3/4	883	12	305	29 1/4	743	9	229	1230	558
36"	900	41 1/4	1048	14 1/2	368	35	889	12	303	2017	915
42"	1050	48	1219	17	432	41	1041	15	381	2800	1270
48"	1200	54 1/2	1384	20 5/8	524	47	1194	16 3/4	425	3920	1178

* Approximate weights and dimensions—Apply for certified drawings. Dimensions available with DIN, JIS, AS and ISO. Sizes above 24" per ASME B16.47 Series A. Series B available if required.

PRESSURE DROP CHART



C_v & CRACKING PRESSURE

Size	C _v	Pressure
2"	48	0.220
2.5"	77	0.189
3"	135	0.198
4"	270	0.184
5"	450	0.200
6"	720	0.218
8"	1400	0.162
10"	2600	0.230
12"	3850	0.241
14"	5000	0.230
16"	7250	0.210
18"	10,000	0.138
20"	12,400	0.128
24"	20,400	0.098
30"	38,000	0.099
36"	60,000	0.095
42"	89,000	0.090
48"	124,000	0.088

Application specific spring torques are available.

PRESSURE DROP CHART. This chart is based on flow of clean water at ambient temperature. Consult our engineering department for pressure drop information for steam, gases or viscous fluids. Consult factory for pressure drop of sizes larger than 48 inches.

GOOD PIPING PRACTICE

recommends placement of check valves a distance equal to 5 pipe diameters from any turbulence producing device such as elbows, pumps, etc.

RECOMMENDED FLOW RATE RANGES

(Horizontal Installation)

Media	Flow Rate
Liquid	3 to 11 feet/second 0.91 to 3.35 m/second
Gas	20 to 250 feet/second 6.1 to 76.2 m/second