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CITY OF SACRAMENTO

CITY MANAGER'S OFFICE
RECEIVED
MAR 5 1980

HOWARD F. ISHIDA
PURCHASING AGENT

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

800 TENTH STREET SACRAMENTO, CA 95814
SUITE 3 TELEPHONE (916) 449-5342

March 3, 1980

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: Recommendation to Adopt Specifications

SUMMARY

Attached is a listing of a proposal with specifications for furnishing equipment to be used by the department as indicated.

RECOMMENDATION

It is recommended that the City Council adopt the specifications and that bids be called for the date shown.

Respectfully Submitted,

Howard F. Ishida

Howard F. Ishida
Purchasing Agent

Recommendation Approved:

Walter J. Slipe

Walter J. Slipe
City Manager

HFI:jd
1 Attachment

APPROVED
BY THE CITY COUNCIL

March 11, 1980

MAR 11 1980

OFFICE OF THE
CITY CLERK

| <u>Bid No.</u> | <u>Description</u> | <u>Estimated Cost</u> | <u>Bid Date</u> |
|----------------|--|-----------------------|-----------------|
| 246 | Various quantities of butterfly valves to be used by the Water and Sewer Division. | \$60,000.00 | April 1, 1980 |

**BID TO THE
CITY OF SACRAMENTO, CALIFORNIA
PURCHASING DIVISION**

**BIDS MUST BE RECEIVED BY THE
CITY CLERK, ROOM 203, CITY HALL**

**PRIOR TO 10:00 A.M., TUESDAY
APRIL 1, 1980**

FOR: BUTTERFLY VALVES

BID NO: 246

Name of Bidder _____ Telephone _____

Type of Business: Corporation, Co-partnership, Individual doing business under his own name,
 Individual doing business using a firm name.

Business Address: _____
Street City State Zip Code

To the City of Sacramento:

The undersigned, as bidder, certifies that the only persons or parties interested in this bid as principals are those named herein as bidder; that this bid is made without collusion with any other person, firm, or corporation; that in submitting this bid he has examined the "General Conditions and Instructions to Bidders" and the specifications; that he proposes and agrees if this bid is accepted, he will execute and fully perform the contract for which bids are called; that he will perform all the work and / or furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements as therein set forth; and that he will take in full payment therefor, the prices set forth in the attached schedule.

Typed or Printed Name and Title

Signature

Address (if different than above business address)

PLEASE READ CAREFULLY BEFORE SIGNING

To be signed by authorized corporate officer or partner or individual submitting the bid. If bidder is: (Example)

1. An individual using a firm name, sign: "John Doe an individual doing business as Blank Company."
2. An individual doing business under his own name, sign: your own name only.
3. A co-partnership, sign: "John Doe and Richard Roe, co-partners doing business as Blank Co., By John Doe, co-partner."
4. A corporation, sign: "Blank Company, by John Doe, secretary," (or other title).

FOR CITY USE ONLY

Bid was opened on above date and at prescribed place.

Bid bond required No Yes Amount _____

Received: Cash Cashiers or Certified Check Surety Bond

City Clerk/Purchasing Agent

Approved as to form and legality

City Attorney

APPROVED
BY THE CITY COUNCIL

MAR 11 1980

OFFICE OF THE
CITY CLERK

GENERAL CONDITIONS AND INSTRUCTIONS TO BIDDER

NO BIDS IN LEGAL FORM UNLESS THE FOLLOWING INSTRUCTIONS ARE FULLY COMPLIED WITH

1. Bid must be submitted on this printed bid form and sealed in the envelope supplied.
2. All bids shall be clearly and distinctly written without erasure or interlineation, and properly signed by an authorized party, who shall indicate the capacity in which the signature is executed.
3. Alternate bids are invalid unless invited and covered by the specifications.
4. If required, a bid bond in the amount stated on the front of this form must accompany this bid. Payment must be made by cash, cashier's or certified check, or by surety bond.
5. All bids must be delivered to the designated recipient not later than the time specified on the front of this form.
6. No bidder shall be interested in more than one bid as provided by City Code Section 57.302.
7. The right to reject any and all bids is reserved by the City.
8. The City reserves the right to waive any informalities or minor irregularities in connection with bids received.
9. All provisions of Chapter 57 of the City Code are applicable to any bid submitted or contract awarded pursuant thereto.
10. **Faithful Performance Bond:** The successful bidder will will not be required to submit a faithful performance bond, in a form approved by the city attorney, in the amount of _____.
11. **Cash Discounts:** Cash discounts offered for payment in less than ten (10) days will not be considered as a basis of award. Cash discounts offered for payment in ten (10) or more days will be subtracted from the total bid price for the purposes of bid evaluation. Any cash discount offered by the successful bidder will be accepted by the City of Sacramento, whether or not it was considered as a basis of award.
12. Bids will be opened, in public, in the City Council Chambers, City Hall, 915 - Eye Street, Sacramento, California, at 10:15 a.m., April 1, 1980. (Bids must be submitted prior to 10:00 a.m.)
13. Within thirty (30) days after the bid opening, a contract will be awarded by the City to the lowest responsible bidder, subject to the right of the city to reject all bids, as it may deem proper. The time for awarding a contract may be extended an additional thirty (30) days, at the sole discretion of the City, if required to evaluate bids or for such other purpose as the City may determine, unless the Bidder objects to such extension in writing with his bid. The "lowest responsible bidder" is defined as follows:

In addition to price in determining the lowest responsible bidder under the provisions of this chapter, consideration shall be given to: (i) the quality and performance of the supplies to be provided by the bidder; (ii) the ability, capacity and skill of the bidder to perform the contract or effectuate the transaction; (iii) the ability of the bidder to perform the contract or effectuate the transaction within the time specified, without delay; (iv) the character, integrity, reputation, judgement, experience and efficiency of the bidder; (v) the quality of bidder's performance on previous purchases by, or contracts with, the City; and (vi) the ability of the bidder to provide future maintenance, repair parts and services for the supplies provided. (Section 57.102)

In addition to the above considerations, the City will also consider which bids will result in receipt by the City of sales or use tax under the Provisions of Part 1.5 of Division 2 of the California Revenue and Taxation Code and Article III of Chapter 41 of the Sacramento City Code and shall deduct the amount of such sales or use tax which will be received from any such bid. (Ordinance No. 4064)

THE CITY CANNOT ACCEPT A BID FAILING TO COMPLY WITH ANY OF THE ABOVE REQUIREMENTS

Vendors not wishing to bid this particular requirement are encouraged to return the bid package marked "no bid" with a brief statement explaining the reason for non-response: not interested at this time, not our field of manufacture/expertise, etc. This will enable us to maintain a current list of responsive bidders as well as verify receipt of the bid by your company.

CITY OF SACRAMENTO
SACRAMENTO, CALIFORNIA

BIDDING SHEET FOR BUTTERFLY VALVES

For furnishing to the City of Sacramento butterfly valves in accordance with the attached specifications and drawing.

| <u>Item Number</u> | <u>Quantity (Each)</u> | <u>Description</u> | <u>Unit Price</u> | <u>Extension</u> |
|--------------------|------------------------|--|--------------------|------------------|
| 1. | 1 | 18" Butterfly valve, open right, clockwise | \$ _____ | \$ _____ |
| 2. | 1 | 24" Butterfly valve, open right, clockwise | _____ | _____ |
| 3. | 1 | 30" Butterfly valve, open right, clockwise | _____ | _____ |
| 4. | 3 | 30" Butterfly valve, open left, counterclockwise | _____ | _____ |
| 5. | 1 | 36" Butterfly valve, open right, clockwise | _____ | _____ |
| 6. | 1 | 42" Butterfly valve, open left, counterclockwise | _____ | _____ |
| | | | Sub-Total \$ | _____ |
| | | | 6% Sales Tax | _____ |
| | | | TOTAL BID PRICE \$ | _____ |

Manufacturer and Model Number(s): _____

Award

The City of Sacramento reserves the right to make an award on any item, group of items or in the aggregate, whichever is most advantageous to the City.

Prompt Payment Discount

Cash discount of _____% for payment within _____ calendar days which will be computed from the date delivery is made or the date a proper invoice is received, whichever is later.

Delivery

Complete delivery will be made within _____ calendar days after receipt of order.

F.O.B. Destination: City of Sacramento
c/o Water and Sewer Division
5730 - 24th Street, Building #7
Sacramento, CA 95822

Wage/Price Standards

The undersigned certifies that this company is in compliance with the voluntary wage/price standards set forth by the Federal Council on Wage and Price Stability.

Name Title Date

BIDDER'S NAME: _____

CITY OF SACRAMENTO
SACRAMENTO, CALIFORNIA

SPECIFICATIONS FOR BUTTERFLY VALVES

1. General

The units shall be flanged, rubber seated, with both valve body and disc to be of cast or ductile iron construction. The valves shall meet all AWWA Standards C504 "AWWA Standard for Rubber-Seated Butterfly Valves," Class 150B, Short Body requirements except as modified herein.

Valves will be used as isolating valves, are for buried service in a domestic water main, and shall be provided with manual operators. See enclosed Standard Drawing SD-10 for typical valve installation details.

Under normal service conditions, shut-off pressure and maximum velocity correspond to Class 150B of the AWWA Standard, which establishes the minimum acceptable pressure and velocity standards both as to valve and operator.

2. Valve and Seat Construction

Valve body is to be a one-piece casting and is to include two integral ANSI-B16.1 Class 125 flat face flanges, two bearing trunnions and a pad for mounting bonnet with operator. Raised marking plate shall be welded to the valve body showing the manufacturer's name or mark, the year of valve casting, the valve diameter and the AWWA Class rating.

Valve seats shall be mechanically retained or suitably cemented so as to adhere without leakage under all conditions of service. If the valve seat is not mechanically retained, manufacturers shall submit a list of at least three West Coast installations where comparable valves have been in satisfactory service for a period of at least three years, under conditions of similar use. Seating edge shall be of non-corrosive metal, ground smooth and polished. The valve shaft shall be sealed by the use of O-ring seals, self-adjusting packing, or gland packing. The shaft between the main valve and the operator shall also be sealed. When access is required, it shall be provided by removable watertight cast iron cover plates.

3. Valve Operator Construction

Valve operator shall be of the buried and submersible, permanently lubricated worm-gear reducer type, or traveling nut type, terminating in a water works standard 2" square operating nut marked for direction of opening. Valve shall be opened by the direction of rotation of the operating nut as indicated in these Specifications.

The manual operator shall be designed to produce the required maximum torque with a torque at the operating nut not to exceed 150 foot-pounds. The valve disc shall be moved through its full stroke with a minimum number of turns of the operating shaft consistent with the torque limitations. The mechanism shall be inherently self-locking and shall hold the valve disc rigidly in position, free of flutter, for any degree of valve opening. Machining and fitting of all parts shall be held to close tolerances to reduce backlash and lost motion to a minimum. The mechanism shall be totally enclosed in a rugged lubricant tight and watertight case. A gasketed removable cover plate shall be provided for maintenance purposes. All moving parts work completely submerged in a bath of long-lasting lubricant. The case shall be filled with the proper lubricant and sealed before shipment. Provision shall be made for relubrication so that it may be accomplished from the exterior without removing any parts other than a pipe plug or similar device. All external bolts, studs, and nuts shall be stainless steel or monel metal. Materials for other parts shall conform to the best current engineering practice, considering strength, ductility, and electrolysis.

4. Painting

Painting shall conform to Section 15 of AWWA Standard C504. Finished or bearing surfaces shall not be painted. Exposed machined surfaces shall be covered with slush grease or other readily removable protective coating before shipment.

5. Contractor Submitted Items

The contractor shall submit four prints showing dimensions, arrangement and sectional parts list drawings of the valve and operator for approval before manufacture. These drawings are also to include information on (1) shaft and bearing sizes, (2) materials on all parts, (3) flange rating and thickness, (4) valve torque maximum requirements, (5) operator torque maximum rating, (6) number of turns required on operator nut to open and close the valve, and (7) weight of valve less and with operator.

If requested by the City, the valve supplier shall be required to furnish detailed calculations showing the method and data used to determine the maximum torque requirement of the valves. For each valve size furnished, four copies of manual of instructions for installation, operation, and maintenance of both valve and operator shall be submitted for approval within six weeks of drawing approval. An affidavit of compliance that all valves comply with the provisions of the specifications shall be furnished. Contractor shall furnish their E.I. Number, the Federal Social Security Identification Number used on their Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form #941.

6. Valve Testing

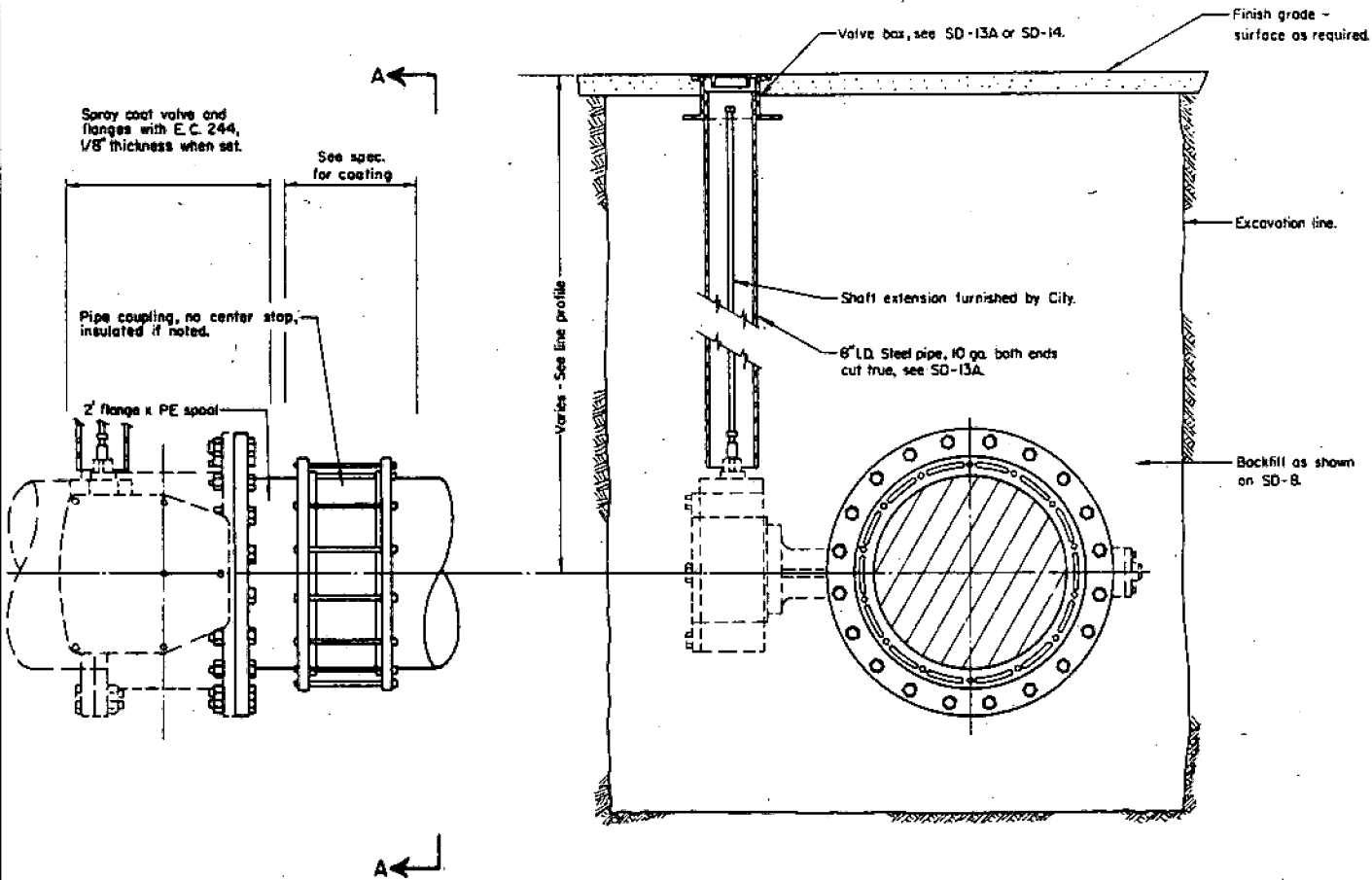
Valve testing is to be in accordance with Section 12 of AWWA Standard C504 except that the Engineer may witness the performance of hydrostatic and leakage tests at the factory. Certified test reports for each test requirement are required. It is also required that the valves meet leakage tests on both sides of the disc for flow in either direction.

7. Guarantee

The valves and accessories furnished under these Special Provisions must be guaranteed to operate satisfactorily under the service conditions specified. The bidder shall furnish all labor and materials necessary to replace or repair without charge or expense to the City, any parts which develop defects within one year after the equipment is placed in service.

8. Price and Delivery Conditions

Price shall be based on the valves and operators delivered f.o.b. the City of Sacramento, Division of Water & Sewers, Corporation Yard, 5730 - 24th Street, Sacramento, California 95824. A full-sized sheet of plywood will be bolted over the valve flanges. Units will be provided with wooden skids or other protection to prevent damage during shipment and handling. Delivery of valves is required within 90 days.



ELEVATION

SECTION A-A

NOTES:

1. Installation contractor shall furnish bolts per ASTM A-307 Grades A or B, ASA 1318.2 and ASA 1311 Class 2A or 2B fit, Gaskets per AWWA spec. C301-64 sec. 3.

| | |
|---|----------------|
| CITY OF SACRAMENTO | |
| DIVISION OF WATER & SEWERS | |
| BUTTERFLY VALVE | |
| STANDARD BURIED INSTALLATION DETAILS | |
| APPROVED BY: <i>[Signature]</i> | SCALE: NONE |
| DATE: 1971 | OWG. NO. SD-10 |