

Sunnyside Valley Irrigation District

2024 Fall PVC Materials Bid Package

Sealed bids will be received until 11:00 am.
September 9, 2024

at

Sunnyside Valley Irrigation District Field Office
1105 Yakima Valley Hwy.
P.O. Box 239
Sunnyside, WA 98944
509-837-6980

Project Contact: Gerardo Villalobos

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Instructions to Bidders

01. General

Contract documents and specifications are on file and may be reviewed at the Sunnyside Valley Irrigation District Field Office located at 1105 Yakima Valley Hwy, Sunnyside, WA 98944. Contract documents may be requested by phone: (509) 837-6980. Addenda will be e-mailed or faxed to bidders who have signed for or requested contract documents through this office. Addenda, if necessary, will be sent and posted no later than 10:00am on September 6, 2024. Questions received after 3:00 pm on September 5, 2024 will go unanswered.

02. Location & Delivery

At the suppliers' expense, materials for Schedule A will be delivered to the 37.10 Reservoir which is located at 315 Cantrell Rd., Sunnyside, WA 98944. Materials for Schedule B will be delivered to the Turner Yard which is located at 172803 W. King Tull Road. Materials for Schedule C will be delivered to the SVID Yard which is located at 120 South 11th Street, Sunnyside, WA 98944. A 24-hour notice period is required prior to delivery of goods. Any delivery made in an enclosed trailer will need to have all materials accessible to unload with a forklift from the back of trailer.

03. Examination of Plans, Specifications and Site

Bidders shall satisfy themselves as to existing conditions by personal examination of plans, specifications and site of proposed delivery, and by any other examination and investigation which they may desire to make as to the nature of issues to be encountered.

04. Proposals

Proposals shall be made on the forms included herewith and shall be addressed to the Sunnyside Valley Irrigation District, 1105 Yakima Valley Hwy, PO Box 239, Sunnyside, WA 98944. Proposals shall be in a sealed envelope and shall be mailed or delivered to the above address to arrive not later than 11:00 a.m. on September 9, 2024.

No proposal may be withdrawn after the time set for the bid opening or before award of contract unless said award is delayed for a period exceeding thirty (30) days.

SVID is exempt from state sales tax and must not be included in the price for materials.

05. Bid Proposal Deposit

As a guarantee of good faith and as required by law, each bid shall be accompanied by a bid proposal deposit in the form of a cashier's check or Bidder's bond, payable to the order of the Sunnyside Valley Irrigation District, for an amount not less than five (5) percent of the total amount of the bid. Deposits of the three low bidders will be retained until a contract has been entered into between the successful bidder and the Sunnyside Valley Irrigation District, and until a performance and payment bond in an amount of twenty-five percent (25%) of the contract price has been filed as required under these contract documents.

Deposits of other bidders will be returned as soon as it is determined that they are not one of the three low bidders.

06. Award of Contract

The successful bidder will not be selected until the Sunnyside Valley Irrigation District (Owner) is satisfied that the lowest responsible bidder can supply all the specified materials within the given timeframe. The award of the bid will be announced on Tuesday, September 10, 2024. **Completion of the work within the time stated is essential.** Prior commitments of the bidder, failure to complete other work on time, or reasonable doubt as to whether the bidder would complete the work on time would be cause for the rejection of any bid. In addition, the Owner may determine any bidder not to be responsible in accordance with RCW 43.19.1911(9) and/or any other presiding legal authority. The right is reserved by Owner to waive any irregularities in the bidding, to reject any or all proposals, to accept any proposal, to re-advertise for new

proposals, or to otherwise carry out the work.

No bidder may withdraw their bid proposal after the time set for the opening thereof, or before award of contract, unless the award is delayed for a period exceeding thirty (30) days. No alterations to the bid documents will be accepted. In the event of a tie, the successful bidder will be determined by the flip of a coin.

The following is applicable to federal aid projects: Sunnyside Valley Irrigation District, in accordance with Title VI of the Civil Rights Acts of 1964, 88 Stat. 352, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

07. Failure to Execute Contract

In the event the successful bidder fails to furnish an approved performance bond and to sign the contract within ten (10) working days after notification of award, an amount equal to five (5) percent of the amount of the bid shall be forfeited to Owner as liquidated damages. Said liquidated damages shall be paid from the check or bid bond filed by the bidder. Other proposals will then be reconsidered for award by Owner.

08. Corrections, Interpretations and Addenda

Any omissions, discrepancies or need for interpretation should be brought in writing to the attention of the Owner. Written addenda to clarify questions which arise will then be issued.

All interpretation or explanations of the contract documents shall be in the form of an addendum, and no oral statements by Owner, or other representative of Owner shall, in any way, modify the contract documents, whether made before or after awarding the contract.

09. Completion Time

Contractor shall be required to have the contract completed by December 6, 2024.

10. Bidder's Responsibility Statement

It is the responsibility of each bidder to ascertain if the bid package contains all of the documents. If documents are missing, it is the sole responsibility of the bidder to contact the Owner to obtain the missing documents prior to bid opening time.

11. Bid Package Checklist

The Following are required as a minimum for a complete bid:

- Non-Collusion and Debarment Affidavit
- Bid Bond / Cashier's Check
- Signed Proposal Form
- Schedule of Prices
- Acknowledgement of Receipt of Addenda (if applicable)

12. Payment of Invoice

After acceptance of delivery of goods by SVID, the Supplier shall provide an invoice setting forth the quantity of goods delivered to SVID, the unit prices, and the total price. SVID will confirm the quantities delivered and for all invoices received by the end of the month will pay the invoice on the 10th day of the following month. The acceptance of delivery by the District shall not be deemed to be a final acceptance of the goods for any purpose, including defective or non-conforming goods.

NON-COLLUSION AND DEBARMENT AFFIDAVIT

STATE OF WASHINGTON
COUNTY OF _____

I, the undersigned, an authorized representative of _____
(Firm, Association or Corporation)

being first duly sworn on oath hereby certify that the bid submitted is a genuine and not a sham or collusive bid, or made in the interest or on behalf of any person not therein named; and I further state that the said firm, association or corporation (hereinafter referred to as "Firm") has not directly or indirectly induced or solicited any bidder on the above work or supplies to put in a sham bid, or any other person or corporation to refrain from bidding; and that said Firm, has not in any manner sought by collusion to secure to the Firm, an advantage over other bidder or bidders.

I further certify that, except as noted below, the Firm or any person in a controlling capacity associated therewith or any position involving the administration of federal funds; is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years; does not have a proposed debarment pending; and has not been indicted, convicted or had a civil judgment rendered against said person or Firm, by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

I further certify that all subcontractors providing work or purchases over \$25,000 meet the above conditions. I will document by using this form and the subcontractor signature block below.

Exceptions noted:

Bidder's Signature _____

I certify that I know or have satisfactory evidence that _____
signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged
it as the _____ (title) of
_____ to be the free and voluntary act of such party of the uses and purposes
mentioned in the instrument.

Dated:
Signature of Notary Public

(Seal or stamp) My appointment expires:

Sub Contractor Firm _____
Sub Contractor Signature _____

I certify that I know or have satisfactory evidence that _____
signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged
it as the _____ (title) of
_____ to be the free and voluntary act of such party of the uses and purposes
mentioned in the instrument.

Dated:
Signature of Notary Public
(Seal or stamp) My appointment expires:

Sunnyside Valley Irrigation District
120 S. 11th Street
P.O. Box 239
Sunnyside, WA 98944
(509) 837-6980

Proposal

To: **Sunnyside Valley Irrigation District**

The undersigned hereby certify that _____ ha__ personally read and thoroughly understand the specifications and contract governing the furnishing of materials and the method by which payment will be made for said work hereby propose__ to undertake to supply the materials embraced in this improvement in accordance with said specifications and contract documents, and at the attached schedule of rates and prices.

Note:

1. If the supplier is a co-partnership, so state, giving firm name under which the business is transacted.
2. If the supplier is a corporation, its duly authorized officials must execute this proposal.

(Supplier)

By: _____
(Authorized Officer)

(Address)

(Address)

(Date)

MATERIAL SPECIFICATIONS

PVC PIPE AND FITTINGS

Scope – This specification covers the quality of the following Bid Proposal Items: C900 PVC, PIP PVC PIPE, IPS PVC PIPE, PVC TEES, PVC REDUCERS, PVC RDCR BUSH, PVC ANGLES, PVC FLANGES, and PVC ADAPTORS.

1. 12” and smaller PVC pipe and fittings shall be IPS.
2. 15” to 27” PVC pipe and fittings shall be PIP.
3. 30” and larger PVC pipe and fittings shall be C900.
4. Pipe and Fittings – PVC pipe and fittings shall conform to or exceed the requirements of the specifications listed below:
 - PIP and IPS – (PVC 1120), **No “Burnt Pipe” shall be accepted.**
 - C900 – Meets AWWA C900 Specifications
 - Standards Materials – ASTM D-1784
 - Product Design – SCS 430 DD, ASTM D-2241, ASTM D-1785, ASTM D-2672
 - Gasket Joint – ASTM D-3139
 - Gasket Material - ASTM F-477
 - All gaskets shall have **Durometer in range of 40-60.**
 - Gasket Material – SBR, IR, EPDM
 - Cell Class – 12454-A or B
5. **PIPE JOINT LUBRICANT:** Phoenix 27-XL lubricant will be required. All wipe on lubricant to be supplied in **gallon** containers (8lbs).
6. All fittings (Diameter of 15” or larger) shall be rated at minimum of 125 PSI and (Diameter of 12” or smaller) shall be Schedule 40. Any fitting that can be molded, instead of spliced together, shall be preferred. All fittings shall be delivered as a complete unit.
7. **PVC ANGLES:** All 8” and smaller angles shall be molded angles. Angles may **not** have glued in extensions.
8. **PVC REDUCERS** shall transition gradually and be of the cone style.
9. **PVC RDCR BUSH** (PVC REDUCERS BUSHING) 10” and smaller shall be the molded bushing type with an external taper (Male x Female).
10. **PVC FLANGES** shall have free moving collars (VAN Stone Type – Female).
11. **PVC ADAPTORS** 10” and smaller shall be Gasket x Slip (Female x Female).

VALVES AND VENTS

Scope – This specification covers the quality of the following Bid Proposal Items: AIR VENTS, AIR RELEASES, PRESSURE RELIEFS, BUTTERFLY VALVES, & GATE VALVES.

1. **AIR VENTS** shall have a ball valve with seat in cast aluminum body with National Standard pipe threads for attachment. Air vents 2” and smaller shall be rated for use to 150 psig. Air vents larger than 2” shall be rated to 100 psig (all metal).
2. **AIR RELEASE (Type II)** valves shall be lever types for continuous air release under line pressures ranging from **0 psig to 90 psig**. The air release valves shall be the Apco Brand 1” model # **50.97** Air Release valve, with a **3/32”** orifice, or equal (all metal).

3. **PRESSURE RELIEF**

Valves 4” and smaller shall be of the external spring type in galvanized steel housing and shall have a factory preset cracking pressure of 90 psi. A pin or jam nut to prevent tampering will lock the pressure adjustment preset at factory. Threads shall be National Standard pipe threads (all metal).

Valves 6” and larger shall be CLA-VAL 650-01 or approved equal.

- Pattern – Globe
- Pressure Class – 150psi
- Flanged
- Trim Material – Standard
- Adjustment Range – 0-75psi

4. **BUTTERFLY VALVES:**

- **All valves provided must be Assembled in the USA**
- Resilient Seat – 150 PSIG, Non Shock.
- Body Style: Wafer.
- Body: Cast Steel, Cast Iron or Ductile Iron with locating lugs for alignment during installation.
- Disc: Nickel-plated Ductile Iron; Ductile Iron or Cast Iron with 316 Stainless Steel seating edge; or 316 Stainless Steel.
- Seat: EPDM or Buna N.
 - **Seat on 2” BFV must have a O.D. equal to or greater than 3-3/8”**
- Stem: Two piece design.
- Bushings: Bronze or Nylon.
- Shaft: Stainless Steel.
- Exposed Butterfly valve shall be worm gear operated completely enclosed gearbox of Cast Iron, with Hardened Steel worm and Ductile Iron worm gear and shall be fully gasketed for outdoor service.
- Buried Service Butterfly Valves shall have a fully enclosed worm gear operator with a grease filled Cast Iron housing, Hardened Steel and Ductile Iron gears, cover gasketed and sealed, indicator plate sealed and a 2” square operating nut installed on the gearbox shaft.

5. **CHECK VALVES:** APCO DDCV or approved equal
 - Body: Cast Steel, Cast Iron or Ductile Iron with locating lugs for alignment during installation.
 - Door: AL Bronze ASTM B148 C95200 or equal
 - Door Lug Bearing: Teflon/Phenolic
 - Spring: Stainless Steel ASTM A313 T316
 - Hinge Pin: Stainless Steel ASTM A276 T316
 - Hinge Pin Retainer: Steel
 - Stop Pin: Stainless Steel ASTM A276 T316
 - Stop Pin Retainer: Steel
 - Lifting Eye Bolt: Steel

6. **STANDARD GATE VALVES** – Gate valves shall be “Apollo” Valve, model 106T or better, have a non-rising stem gate with seal, and machined gate and gate seal. Working pressure: 150 psig. Material shall consist of brass, bronze, or stainless steel. Threads shall be National Standard pipe threads (Female).

7. **RESILIENT SEAT GATE VALVES** – Valves shall be Kennedy AWWA C515 resilient wedge gate valves, style 7561 or equal.

8. **BALL VALVES** – Ball valves shall be industrial two-piece forged brass ball valves precision machined for maximum strength, durability and maintenance free operation with 150 psi working pressure ratings, reinforced PTFE seats, chrome plated ball for long life, separate pack nut to permit handle removal under pressure and bottom loaded stem for safety. Corrosion-resistant steel handle shall have a vinyl grip and ¼-inch twin stop for positive control. Valves operate in either direction. Vacuum rating to 25 in. Hg. Temperature range is 20 to 425°F. NPT threads. Full port to 2 inches. With female pipe threads on both ends of valve.

STEEL PIPE, FLANGES AND FITTINGS

Scope – This specification covers the quality of the following Bid Proposal Items: STEEL PIPE, STEEL FLANGES, STEEL FITTINGS & ETC.

1. **Steel pipe** shall be Schedule 40 unless otherwise noted in schedule of prices.
 - All 2” and larger shall be standard strength welded steel pipe, butt-end conforming to ASTM specifications A53B or A120. Steel pipe shall not be coated.
 - Steel Bollards to be saw cut. Note: Remove burrs and grind ends smooth.
2. **Galvanized Steel pipe and fittings** shall be Schedule 40.
 - Galvanized steel pipe and fittings shall conform to ASTM A53/A53M. Hot dip galvanizing shall be completed in conformance with ASTM A123/A123M. Piping shall be capable of the hydrostatic working pressures of no less than 150 psi.
3. **Steel Flanges** shall be AWWA Class D steel rings.
 - All Flanges shall be Butt Weld types.
4. **Steel Flanged Coupling Adapter** : Romac FC400 or approved equal
 - Flanges: AWWA C207 Class D
 - Flanged Body: Beveled, flared or formed carbon steel with minimum yield of 30,000psi
 - End Rings: Contoured rolled mill section carbon steel.
 - Gaskets: Must meet the requirements of AWWA C219 and ASTM D2000.
 - Flanged Coupling Adapter must be epoxy-coated with 316 Stainless bolt pack complete.
5. **Steel Compression Couplers-Long Bodied**
 - Steel couplers are specified as steel compression couplers such as GHEEN, PIERCE WEDGE TYPE, etc.
 - A minimum 125 psi rating with a body length of 18”
 - Couplers must be bolt on double flange with wedge gasket at each end.
 - Couplers must be epoxy-coated with galvanized bolt pack complete.
6. **Pipe Restraining System for IPS to IPS such as Romac “600” series, etc**
 - Ductile iron, meeting or exceeding ASTM A 536, Grade 65-45-12
 - Clamping bolts will be high strength low alloy steel per AWWA C111
 - Clamping nuts will be ANSI B 18.2.2
 - Restraining rods, t-bolts and nuts will be high strength, low alloy steel per AWWA C111
 - Restraining rods will be **26” long** and have the necessary t-bolts and nuts to assemble completely.
7. **Tublar Polyethylene Protection For Steel Pipe such as Polywrap, etc.**
 - 8 mil minimum, linear low density, flat tube, polyethylene film meeting or exceeds AWWA C105-99, ANSI A21,5-99, ASTM D4976 and NT4112-99.

8. Steel Tapping Saddle (to fit 15”and 18” PVC PIP) such as FTS420T-15.80 or 19.90 X 4” FIP

- Fabricated steel tapping saddle body made of carbon steel, A-36 or equal
- Outlet has NPT(IP) female threads
- Bolts and nuts to be trackhead bolts, heavy hex nuts, ¾” UNC rolled thread stainless steel.
- Gaskets will be SBR per ASTM D 2000 MBA 710, compounded for water service use
- Saddle will be fusion epoxy 8-12 mil. Lined and coated

9. Cast Iron Valve Stack Assembly

- Valve stack Cover :
 - i. “IRRI” labeled on the top of lid
 - ii. Locking lid
 - iii. Cover diameter : 6-3/4”
 - iv. Material : Cast Iron
- Valve stack Top :
 - i. Overall length : 18-1/8”
 - ii. Inside diameter of top : 6-1/8”
 - iii. Material : Cast Iron
- Valve stack Bottom :
 - i. Overall length : 36”
 - ii. Material : Cast Iron
 - iii. Coating : Painted

10. Red Rubber Gasket

- Color : Red
- Thickness (Inches) : 1/8”
- 125-150# Full Face
- Durometer Hardness /Shore A+/-5 : 75
- ASTM D-1330-66, Class II, ASTM D-2000, and TYPE AA

MISCELLANEOUS

1. **GLUE** (Solvent cement) shall be brand name **UNI-WELD 1700, Weld-on number 711, or equal which meets ASTM D-2564**. All solvent cement to be supplied in **gallon** containers.
2. **PRIMER** (Solvent cement) shall be brand name **UNI-WELD 8700, Weld-on p-70, or equal which meets ASTM D-2564**. All solvent cement to be supplied in **gallon** containers.
3. **TRACE WIRE** (locator wire) shall be # 14 AWG, single conductor solid, bare annealed copper, 30-Volt construction, water-resistant insulation, in **2500 ft coils**. The coating shall be blue in color.
4. **DIRECT BURY SPLICE ENCLOSURES** shall be the **Spears brand DS-500** Splice Wire Connector, no exceptions.

SCHEDULE OF PRICES

Sunnyside Valley Irrigation District
2024 Fall PVC Materials Bid Package

Bid Proposal - Schedule A (IPS & PIP Pipe) Deliver to Cantrell Yard								
Item	Size	Specification	Material	Type	Units	Qty	Unit Price	Total Price
PVC PIPE								
1	10"	125 psi	IPS PVC	G	FT	640		
2	12"	125 psi	IPS PVC	G	FT	1000		
3	18"	100 psi	PIP PVC	G	FT	300		
4	21"	100 psi	PIP PVC	G	FT	100		
5	24"	100 psi	PIP PVC	G	FT	100		
6	27"	100 psi	PIP PVC	G	FT	100		
Subtotal (Items 1-6)								
Total Bid Amount								

*Sunnyside Valley Irrigation District is exempt from Sales Tax

Bid Proposal - Schedule B (IPS & PIP Pipe) Deliver to Turner Yard								
Item	Size	Specification	Material	Type	Units	Qty	Unit Price	Total Price
PVC PIPE								
1	10"	125 psi	IPS PVC	G	FT	800		
2	24"	100 psi	PIP PVC	G	FT	1220		
3	27"	100 psi	PIP PVC	G	FT	40		
Subtotal (Items 1-3)								
Total Bid Amount								

*Sunnyside Valley Irrigation District is exempt from Sales Tax

SCHEDULE OF PRICES

Sunnyside Valley Irrigation District
2024 Fall PVC Materials Bid Package

Bid Proposal - Schedule C (Valves, IPS, PIP & C900 PVC Fittings) Deliver to Sunnyside Yard								
Item	Size	Specification	Material	Type	Units	Qty	Unit Price	Total Price
ELBOWS								
1	12"	11.25°	IPS PVC	GXG	EA	2		
2	12"	22.5°	IPS PVC	GXG	EA	2		
3	12"	45°	IPS PVC	GXG	EA	4		
4	24"	11.25°	PIP PVC	GXG	EA	5		
5	24"	15°	PIP PVC	GXG	EA	1		
6	24"	22.5°	PIP PVC	GXG	EA	4		
7	24"	45°	PIP PVC	GXG	EA	4		
TEE'S								
8	4"x4"x4"	Tee	IPS	SXS	EA	1		
9	6"x6"x4"	Tee	IPS	SXS	EA	1		
10	12"x12"x6"	Tee	IPS	GXS	EA	6		
Vanstone Flanges								
11	6"	Van Stone Flanges	IPS	SxF	EA	6		
CAPS								
12	30"	PVC Cap	C900	S	EA	2		
COMPRESSION COUPLER								
13	4"	Lg Bodied Comp. Coupl	Steel	IPS	EA	2		
14	10"	Lg Bodied Comp. Coupl	Steel	IPS	EA	1		

SCHEDULE OF PRICES

Sunnyside Valley Irrigation District
2024 Fall PVC Materials Bid Package

RESILIENT SEAT GATE VALVE								
15	4"	Nut Operated	Steel	Buried	EA	1		
16	6"	Nut Operated	Steel	Buried	EA	6		
17	8"	Nut Operated	Steel	Buried	EA	1		
18	10"	Nut Operated	Steel	Buried	EA	2		
19	12"	Nut Operated	Steel	Buried	EA	1		
Subtotal (Items 1-19)								
Total Bid Amount								

*Sunnyside Valley Irrigation District is exempt from Sales Tax