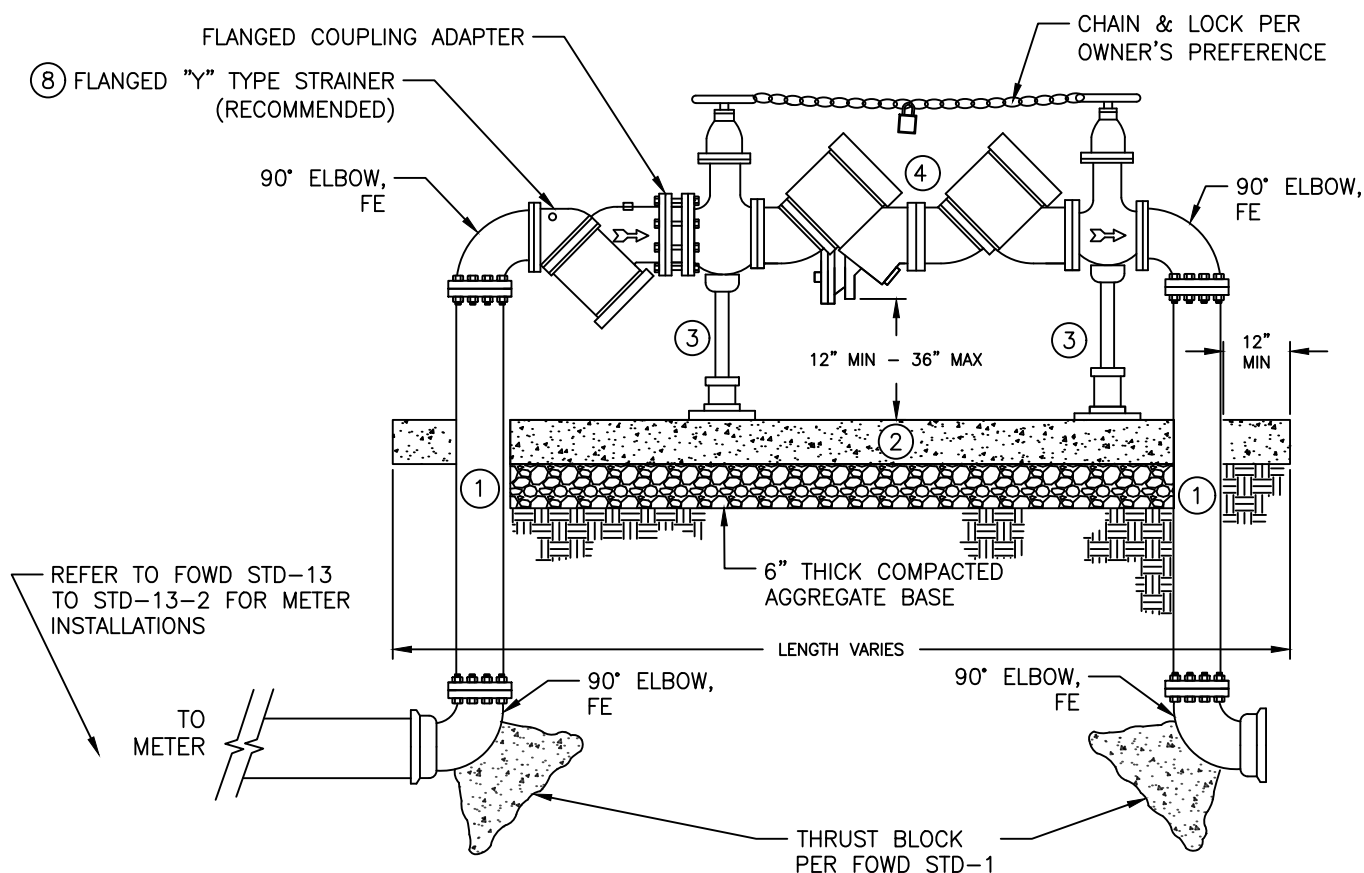




NOTES:

- ① FLANGED DUCTILE IRON SPOOL, LENGTH VARIES. WRAP WITH 2 LAYERS OF 8 MIL POLY WRAP AT SLAB PENETRATIONS.
- ② 4" THICK x 24" MIN. WIDE CONCRETE PAD WITH VARYING LENGTH. CONCRETE TO EXTEND 12" BEYOND PIPE RISERS.
- ③ PIPE SUPPORT BOLTED TO THE CONCRETE, MIN. 2" GALVANIZED SCH.40.
- ④ REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY (RP) SHALL BE APPROVED BY FOWD AND SHALL BE SHOWN ON THE PLANS. THE BACKFLOW ASSEMBLY MUST BE LEAD-FREE, AND APPROVED BY FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH BY THE UNIVERSITY OF SOUTHERN CALIFORNIA. RP SHALL BE ON THE MOST RECENT LIST OF APPROVED ASSEMBLIES (<https://fccchr.usc.edu/list.html>).
5. PIPING FROM METER TO BACKFLOW CONNECTION SHALL BE INSPECTED BY FOWD PRIOR TO BACKFILL. THE BACKFLOW ASSEMBLY SHALL BE INSTALLED WITHIN 5 FEET OF THE METER (EXCEPTION TO BE APPROVED BY FOWD). NO TEES ARE ALLOWED BETWEEN METER AND RP ASSEMBLY.
6. BACKFLOW ASSEMBLY TO BE INSPECTED AND CERTIFIED BY A FOWD CERTIFIED TESTER PRIOR TO WATER SERVICE ACTIVATION. ALL PIPING DOWNSTREAM FROM METER, INCLUDING RP IS OWNED AND MAINTAINED BY THE PROPERTY OWNER. RP SHALL BE CERTIFIED ANNUALLY BY A CERTIFIED TESTER AS PER CA STATE REQUIREMENTS.
7. BACKFLOW ASSEMBLY MUST HAVE A SIDE CLEARANCE OF 12", EXCEPT THAT MINIMUM SIDE CLEARANCE OF 24" MUST BE PROVIDED ON THE SIDE OF THE ASSEMBLY THAT CONTAINS THE TEST COCKS.
- ⑧ FOWD RECOMMENDS INSTALLATION OF A STRAINER UPSTREAM FROM THE RP. THE SIZE AND TYPE OF THE STRAINER SHALL BE PER MANUFACTURER SPECIFICATIONS.
9. FOWD RECOMMENDS INSTALLATION OF SECURITY ENCLOSURE DUE TO POTENTIAL DAMAGE OR TAMPERING. ADDITIONALLY, A FREEZE PROTECTION BAG SHOULD BE PLACED AROUND THE ASSEMBLY AND ANY ABOVE-GROUND PIPING.
10. ALL BURIED METAL SHALL BE ENCASED WITH 8 MIL POLY WRAP.
11. MIN. 10 FT HORIZONTAL SEPARATION FROM SEWER AND 4 FT FROM ANY OTHER UTILITIES IS REQUIRED.

FAIR OAKS WATER DISTRICT

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FAIR OAKS
WATER DISTRICT

REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY FOR SERVICES 3" AND LARGER

STANDARD DRAWING 12

APPROVED: B. CHETCUTI

DRAWN BY: D. LEE

DRAWING: STD-12

REVISED: JUNE 2026

SCALE: NONE

STANDARD SPECIFICATIONS