



DOUBLE CHECK ASSEMBLY – RESIDENTIAL FIRE SERVICE

NOTES:
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1. DOUBLE CHECK (D.C.) ASSEMBLY MANUFACTURER AND MODEL TYPE SHALL BE ON ACWD'S APPROVED MATERIAL LIST, AND THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH (USC FCCCHR) LIST OF APPROVED BACKFLOW DEVICES. APPROPRIATE TEST COCKS SHALL BE INTEGRAL PARTS WITH THE ASSEMBLY.
2. INSTALLATION AND OPERATION SHALL COMPLY WITH ACWD ORDINANCE NO. 2025-01 SETTING FORTH REQUIREMENTS FOR THE PROTECTION OF PUBLIC WATER SYSTEM BY PREVENTING BACKFLOW AND ESTABLISHING PENALTIES FOR VIOLATIONS.
3. UPON INITIAL INSTALLATION THE METER WILL BE LOCKED OFF UNTIL THE D.C. ASSEMBLY IS INSPECTED AND/OR TESTED BY ACWD.
4. D.C. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
5. NO CONNECTIONS WILL BE ALLOWED BETWEEN SERVICE CONNECTION AND D.C. ASSEMBLY, INCLUDING SHUT-OFF VALVES, STRAINERS, OR PRESSURE REGULATORS.
6. IF THE D.C. ASSEMBLY CANNOT BE INSTALLED IN A PROTECTED AREA THE CUSTOMER SHALL FURNISH AND INSTALL PROTECTION FOR THE D.C. ASSEMBLY SUCH AS CHAIN LINK FENCING, BOLLARDS, PIPE SUPPORTS, CAGES, CURB, ETC.
7. PROTECTION FROM FREEZE DAMAGE MAY BE NECESSARY IN EXPOSED AREAS.
8. IN NO CASE SHALL THE D.C. ASSEMBLY BE INSTALLED BELOW GRADE.
9. ACWD RECOMMENDS 18-INCHES OF CLEARANCE FROM BOTTOM OF D.C. ASSEMBLY TO FINAL GRADE TO MAINTAIN 12" MINIMUM CLEARANCE.
10. THE D.C. ASSEMBLY SHALL BE AS CLOSE AS PRACTICAL TO THE SERVICE CONNECTION. IF THE SERVICE CONNECTION IS LOCATED OUTSIDE THE PROPERTY, THE D.C. ASSEMBLY SHALL BE LOCATED NO GREATER THAN 18" BEHIND THE PROPERTY LINE.
11. IF THE SERVICE CONNECTION IS LOCATED BEHIND THE PROPERTY LINE, THE D.C. ASSEMBLY SHALL BE LOCATED NO GREATER THAN 18-INCHES BEHIND THE SERVICE CONNECTION.
12. AT ACWD DISCRETION, ADDITIONAL UNDERGROUND PROTECTION BETWEEN SERVICE CONNECTION AND D.C. ASSEMBLY MAY BE REQUIRED, INCLUDING SLEEVES AND/OR SLURRY BACKFILL.
13. INSULATING JOINT CONNECTION SHALL BE INSTALLED AT SERVICE CONNECTION BY CUSTOMER WHEN CONNECTING METALLIC PIPING ON CUSTOMER SIDE OF SERVICE CONNECTION.
14. ANY QUESTIONS REGARDING THE ABOVE REQUIREMENTS SHOULD BE DIRECTED TO ACWD CROSS-CONNECTION CONTROL PERSONNEL AT (510) 668-6504.

APPROVED  07/01/2025
DIRECTOR OF ENGINEERING AND TECHNOLOGY /DATE

 ALAMEDA COUNTY WATER DISTRICT	ALAMEDA COUNTY WATER DISTRICT 43885 SOUTH GRIMMER BOULEVARD P.O. BOX 5110 FREMONT, CA 94537-5110 (510) 668-4200
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STANDARD DRAWING

**BACKFLOW PREVENTION ASSEMBLY
DOUBLE CHECK ASSEMBLY
3" AND LARGER RESIDENTIAL FIRE SERVICE**

					DESIGNED	ACWD	DATE: JULY 2025
					DRAWN	NA	SCALE: NONE
0	07-25	NEW STANDARD DRAWING	NA	SRO	CHECKED	SRO	DWG. NO.
NO.	DATE	REVISION	BY	APP.	DIV. MGR.	SRO	REV.
							BP-4-25
							0