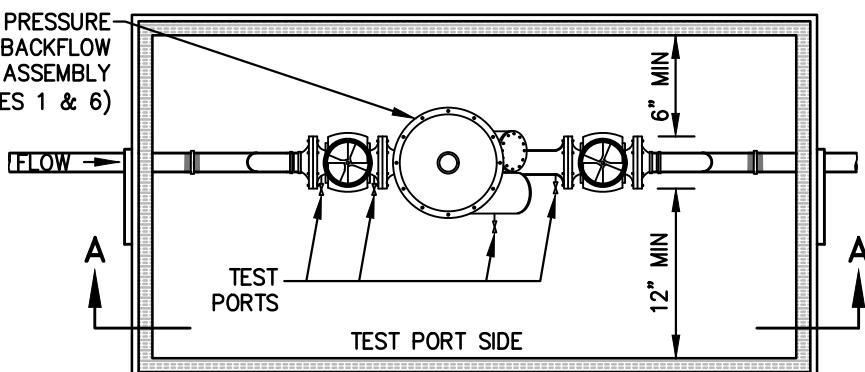


REDUCED PRESSURE
PRINCIPAL BACKFLOW
PREVENTER ASSEMBLY
(SEE NOTES 1 & 6)



PLAN

NTS

BOX OPENING MUST BE ON
TEST PORT SIDE OF
ASSEMBLY

ABOVE GROUND
PIPING SHALL BE
BRASS, COPPER OR
DUCTILE IRON

DRAIN PORT W/
VERMIN GUARD &
WIND FLAP (TYP)
(SEE NOTE 4)

FINISHED GRADE
SUPPLY LINE (MATERIAL AS
PER PLUMBING CODE) (SEE
NOTES 2 & 3)

GATE VALVE W/
HANDWHEEL
(TYP)

FREEZE PROTECTIVE ENCLOSURE
SHALL REQUIRE ELECTRICAL
SERVICE

12" MIN CLR
30" MAX CLR
(SEE NOTE 7)

4" CONCRETE
SLAB

6" CLASS C BACKFILL OR
AGGREGATE BASE (SSPWC
200.03.04 & 200.01)

SECTION A-A

NTS

NOTES: 1 2

1. REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY SHALL COMPLY WITH AWWA C511, BE LEAD-FREE, BE USC APPROVED AND APPROVED BY CARSON CITY PUBLIC WORKS, AND TESTED BY AN APPROVED CERTIFIED BACKFLOW ASSEMBLY TESTER PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION.
2. ASSEMBLIES AND PIPING ON FIRE LINES SHALL BE FM/UL APPROVED AND CONFORM TO THE APPLICABLE NFPA REQUIREMENTS. THRUST BLOCKING AND/OR MECHANICAL RESTRAINT SHALL BE PROVIDED AS NECESSARY.
3. NO OUTLET TEE, TAP OR CONNECTION SHALL BE INSTALLED BETWEEN SERVICE CONNECTION AND BACKFLOW PREVENTION ASSEMBLY.
4. INSTALL ADEQUATE DRAINAGE TO MAINTAIN AIRGAP BELOW ASSEMBLY. REFER TO RELIEF VALVE DISCHARGE RATE FOR SIZING.
5. SUPPORTS REQUIRED FOR ASSEMBLIES 2-1/2 INCHES AND LARGER.
6. THE BACKFLOW PREVENTION ASSEMBLY IS OWNED AND MAINTAINED BY THE CUSTOMER AND SHALL BE LOCATED AS CLOSE TO THE PROPERTY LINE AS POSSIBLE, DIRECTLY BEHIND THE WATER METER. ALL OTHER LOCATIONS REQUIRE PRIOR APPROVAL BY THE CITY ENGINEER OR THEIR DESIGNEE.
7. BACKFLOW PREVENTER ASSEMBLY SHALL BE INSTALLED WITH ADEQUATE CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS WHEN THEY EXCEED THE MINIMUM CLEARANCES SHOWN ON THIS DETAIL.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 1 & 6	9/17		CARSON CITY
2	NOTES, DRAIN, & SUPPORT	10/25		DRAWING NO. C-3.3.3
				DATE
APPROVED BY:	DA	10/25	BACKFLOW PREVENTER ASSEMBLY (REDUCED PRESSURE TYPE)	OCT 2025