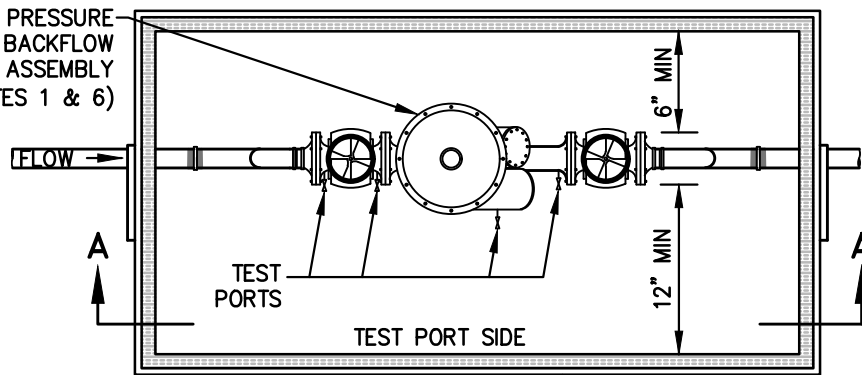
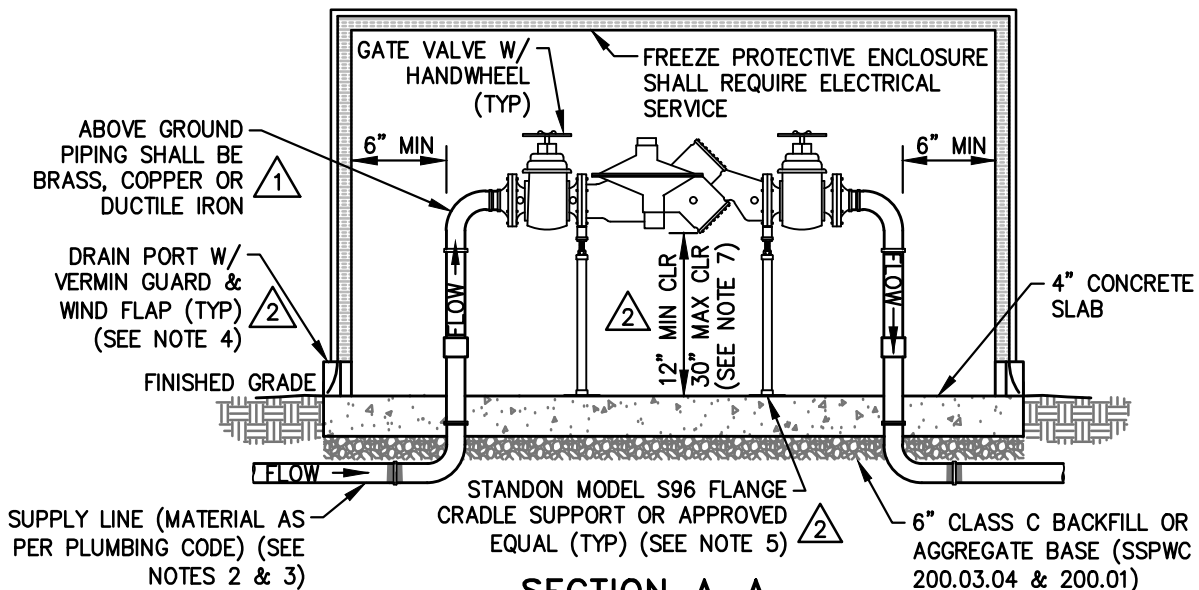


REDUCED PRESSURE
PRINCIPAL BACKFLOW
PREVENTER ASSEMBLY
(SEE NOTES 1 & 6)



PLAN
NTS

BOX OPENING MUST BE ON
TEST PORT SIDE OF
ASSEMBLY



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	BACKFLOW PREVENTER ASSEMBLY (REDUCED PRESSURE TYPE)		CARSON CITY
2	NOTES, DRAIN,	10/25			DRAWING NO. C-3.3.3
	& SUPPORT				DATE
APPROVED BY: <i>DA</i>		10/25			OCT 2025