



LEGEND ON PLANS  
SHEET 1 OF 2

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
①	METER BOX & METER ASSEMBLY PER <b>SDW-149</b> & <b>SDW-150</b>	⑧	BALL VALVE "SHUT-OFF"
②	SCHEDULE 80 PVC, RED BRASS OR COPPER PIPE	⑨	APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY SIZED TO MATCH METER
③	CONCRETE THRUST BLOCK PER <b>SDW-151</b>	⑩	ENCLOSURE SHALL BE INSTALLED LEVEL AND PLUMB. ENCLOSURE IS REQUIRED.
④	90 DEGREE BRASS ELL SEE NOTES 4 & 6	⑪	UNIONS SEE NOTE 4
⑤	CONCRETE SLAB, MINIMUM 4" THICK x 18" WIDE	⑫	PRESSURE REDUCING VALVE SEE NOTES 4 & 6
⑥	BRASS OR COPPER PIPE SEE NOTE 4		
⑦	3" LONG NIPPLE SEE NOTE 4		

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
ORIGINAL*	KA	J. NAGELVOORT	01/12		<b>BACKFLOW PREVENTER FOR 3/4" TO 2" METERED SERVICE</b>
UPDATED	KA	J. NAGELVOORT	12/12	COORDINATOR R.C.E. 81047 DATE	
UPDATED	FG	J. NAGELVOORT	08/15	DRAWING NUMBER	
UPDATED	FG	J. NAGELVOORT	02/16	<b>SDW-155</b>	
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	RC	R. AMEN	05/26		

**NOTES:**

1. INSTALL WARNING/ IDENTIFICATION TAPE PER **SDM-105**.
2. LOCATE BACKFLOW PREVENTION ASSEMBLY IN SUCH A MANNER THAT WILL ALLOW THE ASSEMBLY TO BE READILY ACCESSIBLE FOR INSPECTION AND REPAIR.
3. STRAINERS SHALL NOT BE INSTALLED PRIOR TO THE FIRST SHUT-OFF VALVE.
4. ALL ABOVE GROUND PIPING, UNIONS, ELBOWS, & NIPPLES SHALL BE SOLDERED COPPER OR THREADED BRASS.
5. INSTALL A CASING ENCASED IN CONCRETE WHEN THE DISTANCE BETWEEN THE METER BOX AND THE RISER TO THE ASSEMBLY EXCEEDS 18", REQUIRES APPROVAL. NO MANIFOLDS OR CONNECTIONS OF ANY KIND PERMITTED IN THIS AREA.
6. INSTALL A PRESSURE REDUCING VALVE UPSTREAM OF THE FIRST 90 DEGREE ELL WHEN SYSTEM PRESSURE EXCEEDS 150 PSI.
7. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH SPECIFICATIONS PRIOR TO ACCEPTANCE.
8. BACKFLOW PREVENTION ASSEMBLY & APPURTENANCES INSTALLED FOR THE USE OF RECYCLED WATER SHALL BE IDENTIFIED AS DESCRIBED IN SPECIFICATIONS.
9. PUBLIC UTILITIES DEPARTMENT, CROSS CONNECTION CONTROL UNIT MUST APPROVE LOCATION. SHOW ON PLANS.
10. ALL RISER ELBOWS AND UNDERGROUND PIPING SHALL BE TYPE (L) OR (M) COPPER, OR RED BRASS.
11. FOR BLACKFLOW PREVENTERS IN AN ALCOVE OR WET UTILITY ROOM, REFER TO **SDW-141** FOR REQUIRED CLEARANCES. PROVIDE 3 FEET MINIMUM HORIZONTAL CLEARANCE AROUND THE ABOVEGROUND EQUIPMENT AND APPURTENANCES MEASURED FROM THE EDGE OF THE EQUIPMENT AND APPURTENANCES TO ANY OBSTRUCTION.

SHEET 2 OF 2

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