

LEGEND ON PLANS

SEE NOTES ON SHEET 2

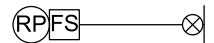
ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
①	CONCRETE THRUST BLOCK SEE SDW-151	⑫	APPROVED REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) SEE NOTE 3
②	WATER MAIN	⑬	CHAIN WITH KNOX LOCK SEE NOTE 3, SHEET 2 OF 2
③	GATE WELL WITH CAP SEE SDW-153	⑭	FLANGED TEE WITH "FDC" SEE NOTE 3, SHEET 2 OF 2
④	SIZE x SIZE MJ/ FLG x FLG TEE	⑮	CONCRETE SLAB MINIMUM 4" THICK x 36" WIDE x AS REQUIRED
⑤	FLG x MJ/ FLG RWGV	⑯	3/4" BYPASS METER & REDUCED PRESSURE ASSEMBLY. THE DETECT METER MUST REGISTER IN HUNDRED CUBIC FEET (HCF).
⑥	C-900 PVC PIPE	⑰	ADJUSTABLE VALVE SUPPORT
⑦	MJ x FLG 90° BEND	⑱	PVC OR DI PIPE SEE NOTE 8, SHEET 2 OF 2
⑧	FLANGED DUCTILE IRON PIPE		
⑨	COLD JOINT STRIP		
⑩	FLANGED 90° BEND, SEE NOTE 6, SHEET 2 OF 2		
⑪	FLANGED OS&Y RWGV WITH HAND WHEEL		

SHEET 1 OF 2

REVISION	BY	APPROVED	DATE	CITY OF SAN DIEGO – STANDARD DRAWING BACKFLOW PREVENTER FOR 4" AND LARGER FIRE SERVICE	RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE 12/19/19 COORDINATOR R.C.E. 56523 DATE
ORIGINAL*	KA	J. NAGELVOORT	01/12		
UPDATED	KA	J. NAGELVOORT	8/13		
UPDATED	FG	J. NAGELVOORT	02/16		
REDRAFTED	CD	J. NAGELVOORT	09/18		
UPDATED	TP	J. NAGELVOORT	12/19	DRAWING NUMBER	SDW-105

NOTES:

- 1 INSTALL WARNING / IDENTIFICATION TAPE **PER SDM-105**.
- 2 LOCATE BACKFLOW PREVENTION ASSEMBLY IN SUCH A MANNER THAT WILL ALLOW THE DEVICE TO BE READILY ACCESSIBLE FOR INSPECTION, REPAIR, AND USE.
- 3 TAMPER SWITCH, AUTOMATIC RESET, CHAIN WITH KNOX LOCK, AND FIRE DEPARTMENT CONNECTION ("FDC") SHALL BE AS REQUIRED BY THE FIRE DEPARTMENT.
- 4 BALL VALVE TEST COCKS AND DETECTOR ASSEMBLY SHALL BE PROVIDED AND LOCATED PER THE MANUFACTURER'S RECOMMENDATIONS AND CITY STANDARDS.
- 5 INSTALL FIRE SERVICES SO THAT THE DISTANCE BETWEEN THE BOTTOM OF THE RELIEF DIAPHRAGM AND THE CONCRETE SLAB OR FINISH GRADE IS 12" MINIMUM AND 24" MAXIMUM.
- 6 INSTALL A PRESSURE REDUCING VALVE UPSTREAM OF THE FIRST 90 BEND WHEN SYSTEM STATIC PRESSURE EXCEEDS 150 PSI OR WHEN RECOMMENDED BY THE BACKFLOW MANUFACTURER.
- 7 INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA PER THE CITY REQUIREMENTS.
- 8 INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA AS REQUIRED BY THE FIRE DEPARTMENT.
- 9 ABOVE GROUND APPURTENANCES SHALL BE PAINTED AND IDENTIFIED AS CALLED FOR BY THE FIRE DEPARTMENT.
- 10 TESTING SHALL BE CONDUCTED AS REQUIRED BY THE PUBLIC UTILITIES DEPARTMENT CROSS CONNECTION CONTROL UNIT.
- 11 CONNECTIONS TO STEEL MAINS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
- 12 ANY OTHER LOCATION OF FIRE SERVICE BACKFLOW, AS SHOWN ON SHEET 1, MUST BE DETERMINED AND APPROVED BY PUBLIC UTILITIES DEPARTMENT, CROSS CONNECTION CONTROL UNIT.



LEGEND ON PLANS
SHEET 2 OF 2

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		
UPDATED	KA	J. NAGELVOORT	8/13	BACKFLOW PREVENTER FOR 4" AND LARGER FIRE SERVICE	 12/19/19 <small>COORDINATOR R.C.E. 56523 DATE</small>
UPDATED	FG	J. NAGELVOORT	02/16		
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				DRAWING NUMBER	SDW-105