



FOR NOTES REGARDING THE INSTALLATION OF  
FIRE SERVICES SEE WF-05, SHEET 2 OF 2

## LEGEND ON PLANS

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
1	CONCRETE THRUST BLOCK SEE WT-01	12	FLG'D OS&Y RWGV WITH HAND WHEEL
2	WATER MAIN	13	RPDA SEE NOTE 4
3	200mm (8") GATE WELL WITH LID SEE WV-01 OR WV-02	14	CHAIN WITH KNOX LOCK SEE NOTE 4
		15	FLANGED TEE WITH "FDC" SEE NOTE 4
4	SIZE x SIZE MJ/PO/FLG x FLG TEE	16	CONCRETE SLAB, MINIMUM 100mm (4") THICK x 900mm (36") WIDE x AS REQUIRED SEE NOTE 15
5	FLG x MJ/PO/FLG RWGV		
6	FLG x MJ/PO ADAPTER (IF REQUIRED)		
7	C-900 PVC PIPE	17	19mm (3/4") BYPASS, METER & RP DEVICE
8	MJ/PO x FLG 90° BEND	18	ADJUSTABLE VALVE SUPPORT
9	FLANGED DUCTILE IRON PIPE	19	PVC OR DI PIPE SEE NOTE 9
10	COLD JOINT STRIP	20	FLANGED ANGLE PRESSURE REDUCING VALVE SEE NOTE 7
11	FLANGED 90° BEND, SEE NOTE 7		

## 100mm (4") AND LARGER FIRE SERVICE INSTALLATION

## WATER AGENCIES STANDARDS

COMMITTEE APPROVAL: 09/12/2008

DRAWING NUMBER: WF-05 (1 OF 2)

NOTES:

- 1) REFER TO SECTION 15112 OF THE SPECIFICATIONS
- 2) INSTALL WARNING/IDENTIFICATION TAPE AS SHOWN ON WP-01
- 3) LOCATION OF FIRE SERVICES SHALL BE AS DIRECTED BY THE FIRE DEPARTMENT OF JURISDICTION. FIRE SERVICES SHOULD BE LOCATED IN SUCH A MANNER THAT WILL ALLOW THE DEVICE TO BE READILY ACCESSIBLE FOR INSPECTION, REPAIR, AND USAGE
- 4) TAMPER SWITCH, AUTOMATIC RESET, CHAIN WITH KNOX LOCK, AND FIRE DEPARTMENT CONNECTION ("FDC") SHALL BE AS REQUIRED BY THE FIRE DEPARTMENT OF JURISDICTION
- 5) BALL VALVE TEST COCKS SHALL BE PROVIDED AND LOCATED PER THE MANUFACTURES RECOMMENDATIONS AND THE REQUIREMENTS OF THE WATER AGENCY STANDARDS
- 6) INSTALL FIRE SERVICES SO THAT THE DISTANCE BETWEEN THE BOTTOM OF THE RELIEF DIAPHRAGM AND THE CONCRETE SLAB OR FINISH GRADE IS 300mm (12") MINIMUM AND 600mm (24") MAXIMUM
- 7) INSTALL AN ANGLE PRESSURE REDUCING VALVE IN LIEU OF THE FIRST 90° BEND WHEN SYSTEM STATIC PRESSURE EXCEEDS 1.03 MPa (150 PSI), WHEN RECOMMENDED BY THE BACKFLOW MANUFACTURER, OR AS REQUIRED BY THE DISTRICT ENGINEER
- 8) INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA PER THE REQUIREMENTS OF THE WATER AGENCY STANDARDS
- 9) INSTALL PIPE AND RELATED APPURTENANCES IN THIS AREA AS REQUIRED BY THE FIRE DEPARTMENT OF JURISDICTION
- 10) ABOVE GROUND APPURTENANCES SHALL BE PAINTED AND IDENTIFIED AS CALLED FOR BY THE FIRE DEPARTMENT OF JURISDICTION
- 11) TESTING SHALL BE CONDUCTED AS CALLED FOR IN SECTION 15112 OF THE SPECIFICATIONS PRIOR TO ACCEPTANCE BY THE DISTRICT
- 12) CONNECTIONS TO STEEL MAINS SHALL BE IN ACCORDANCE WITH SECTION 15061
- 13) MATERIALS SHALL BE SELECTED FROM THE APPROVED MATERIALS LIST
- 14) DISTRICT RESPONSIBILITY ENDS AT EDGE OF PROPERTY LINE, RIGHT OF WAY, OR EASEMENT
- 15) 1200mm (24") MINIMUM CLEARANCE SHALL BE MAINTAINED ALL AROUND PAD WHEN INSTALLED WITH OR BY A WALL OR ANY OTHER OBSTRUCTIONS

FOR DETAILS REGARDING THE INSTALLATION OF  
FIRE SERVICES SEE WF-05, SHEET 1 OF 2



LEGEND ON PLANS

100mm (4") AND LARGER  
FIRE SERVICE INSTALLATION  
NOTES

WATER AGENCIES' STANDARDS

COMMITTEE APPROVAL: 11/23/2011

DRAWING NUMBER: WF-05 (2 OF 2)