

DETAIL 'A'
SEE NOTE 7

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

RPFS 
LEGEND ON PLANS

ITEM NO	SIZE AND DESCRIPTION	ITEM NO	SIZE AND DESCRIPTION
1	CONCRETE THRUST BLOCK SEE WT-01	13	RPDA SEE NOTE 4
2	WATER MAIN	14	CHAIN WITH KNOX LOCK SEE NOTE 4
3	200mm (8") GATE WELL WITH LID SEE WV-01 OR WV-02	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	17	19mm (3/4") BYPASS, METER & RP DEVICE
6	FLG x MJ/PO ADAPTER (IF REQUIRED)	18	ADJUSTABLE VALVE SUPPORT
7	C-900 PVC PIPE	19	PVC OR DI PIPE SEE NOTE 9
8	MJ/PO x FLG 90° BEND	20	FLANGED ANGLE PRESSURE REDUCING VALVE SEE NOTE 7
9	DOUBLE SPOOL MAXIMUM, FLANGED DUCTILE IRON PIPE	21	TRACER WIRE ACCESS PORT, 100mm (4") x 200mm (8") LONG SDR SEWER PIPE W/ CAP
10	COLD JOINT STRIP	22	TRACER WIRE PER WP-01
11	FLANGED 90° BEND, SEE NOTE 7		
12	FLG'D OS&Y RWGV WITH HAND WHEEL		

100mm (4") AND LARGER
FIRE SERVICE INSTALLATION

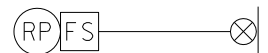
WATER AGENCIES STANDARDS
 COMMITTEE APPROVAL: 09/11/2017
 DRAWING NUMBER: WF-05 (1 OF 2)

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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
- 16) INSTALL A CASING ENCASED IN CONCRETE WHEN THE DISTANCE BETWEEN P/L, R/W OR EDGE OF EASEMENT AND THE RISER TO RPDA EXCEEDS 600mm (24"). NO CONNECTIONS OF ANY KIND WILL BE PERMITTED IN THIS AREA. INSPECTION REQUIRED PRIOR TO BACKFILL. LENGTHS IN EXCESS OF 600mm (24") TO BE APPROVED BY DISTRICT ENGINEER
- 17) DG BACKFILL IS REQUIRED

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: 09/11/2017

DRAWING NUMBER: WF-05 (2 OF 2)