



LEGEND ON PLANS

| ITEM NO | SIZE AND DESCRIPTION | ITEM NO | SIZE AND DESCRIPTION |
|---------|-----------------------------------|---------|---|
| ① | CONCRETE THRUST BLOCK SEE SDW-151 | ⑬ | RPDA SEE NOTE 3 |
| ② | WATER MAIN | ⑭ | CHAIN WITH KNOX LOCK SEE NOTE 3 |
| ③ | GATE WELL WITH CAP SEE SDW-153 | ⑮ | FLANGED TEE WITH "FDC" SEE NOTE 3 |
| ④ | SIZE x SIZE MJPO/FLG x FLG TEE | ⑯ | CONCRETE SLAB MINIMUM 4" THICK x 36" WIDE x AS REQUIRED |
| ⑤ | FLG x MJPO/FLG RWGV | ⑰ | 3/4" BYPASS, METER & RP DEVICE |
| ⑥ | FLG x MJPO ADAPTER (IF REQUIRED) | ⑱ | ADJUSTABLE VALVE SUPPORT |
| ⑦ | C-900 PVC PIPE | ⑲ | PVC OR DIPIPE SEE NOTE 8 |
| ⑧ | MJPO x FLG 90* BEND | ⑳ | FLANGED ANGLE PRESSURE REDUCING VALVE SEE NOTE 8 |
| ⑨ | FLANGED DUCTILE IRON PIPE | | |
| ⑩ | COLD JOINT STRIP | | |
| ⑪ | FLANGED 90* BEND, SEE NOTE 6 | | |
| ⑫ | FLANGED OS&Y RWGV WITH HAND WHEEL | | |

SHEET 1 OF 2

| REVISION | BY | APPROVED | DATE |
|-----------|----|---------------|-------|
| ORIGINAL* | KA | J. NAGELVOORT | 01/12 |
| UPDATED | KA | J. NAGELVOORT | 12/12 |
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CITY OF SAN DIEGO - STANDARD DRAWING

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

J. Hadali

12/17/2012

COORDINATOR R.C.E. 65271 DATE

4" AND LARGER FIRE SERVICE INSTALLATION

DRAWING NUMBER

SDW-105

NOTES:

- 1) INSTALL WARNING / IDENTIFICATION TAPE
- 2) LOCATION OF FIRE SERVICES SHALL BE AS DIRECTED BY THE FIRE DEPARTMENT
FIRE SERVICES SHOULD BE LOCATED 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 SHALL BE PROVIDED AND LOCATED PER THE
MANUFACTURES 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 CALLED FOR IN THE SPECIFICATIONS
PRIOR TO ACCEPTANCE
- 11) CONNECTIONS TO STEEL MAINS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS
- 12) CITY RESPOSIBILITY ENDS AT EDGE OF PROPERTY LINE, RIGHT OF WAY, OR
EASEMENT.



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 | | 4" AND LARGER FIRE SERVICE INSTALLATION |
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