PILLAR FIRE HYDRANT – DOUBLE OUTLET (HEAVYWEIGHT CAST) SHALL BE USED ON ADELAIDE AND NORTH ADELAIDE STREETS

ELEVATION

For laying details for branches refer to Section 5 TYP

REVISION PANEL

DATE
03/09/18
30/06/18
27/03/18

DETAILS
DRAWING TITLE CHANGED
2016 STANDARDS REVIEW

APPROVED

T. GALEK

AUTHORISED

R.G.

NOTE:

THRUXT BLOCK REFER SECTION 3 TYP

EXISTING MAIN
(PVC, AC, CICL OR DICL)

NOTE:
MAX DIAMETER OF DRILLED HOLE TO BE 70% OF HOST PIPE OD.

DIAMETER 150 TO 100 FL-FL

PILLAR FIRE HYDRANT
DOUBLE OUTLET
(HEAVYWEIGHT CAST)

750

PIPE COVER
REFER 4005-30003-01

BEND 90° WITH HEEL
100 SOC-FL

FOR LAYING DETAILS
FOR BRANCHES
REFER TO SECTION 5 TYP

VALVE
CHAMBER & LID

KERBING

REVIEWED
27/03/18

SIGNATURE:

T. GALEK

SIGNATURE:

MS

SUPERSEDES: 91-0068-01[F1]

DRAWING NUMBER

4005-30009-01

SA WATER STANDARD DRAWINGS
WATER SUPPLY CONSTRUCTION MANUAL

PILLAR FIRE HYDRANTS
LAYING DETAILS
FOR NEW MAINS UP TO DN375

REVISION
2

TOTAL SHEETS:

2

A3

TIME SIZE:

FIRE SERVICE OFF NEW MAIN
DN100, DN150 & DN200
USING DICL OR PVC PIPE

NOTES:
1. REFER 4005-30002-01 FOR GENERAL NOTES.
2. SHOULD THE FIRE SERVICE ORIGIANATE FROM AN EXISTING STEEL MAIN,
   CONSULT THE CATHOIC PROTECTION SPECIALIST FOR
determination of cathodic protection requirements.
3. IF AN OBSTRUCTION IS ENCOUNTERED REQUIRING A DOGLEG, REFER
   4005-30009-03 OR 4005-30005-09.
4. THE LAST LENGTH OF PIPE SHALL BE RESTRANIED BY AN ANCHOR
   BLOCK.
5. REFER SECTIONS 37-02 FOR:
   • EXCAVATION, EMBEDMENT & PIPE COVER.
   • THRUST AND ANCHOR BLOCKS.
   • FOR LAYING DETAILS FOR BRANCHES.
   • CATHOIC PROTECTION.
6. IN ADELAIDE CBD THIS PIPEWORK SHALL BE:
   • RESTRAINER JOINT RING DICL,
   • FLANGED DICL OR
   • FLANGED MSL.
7. ALL MSL PIPEWORK SHALL BE PROTECTED WITH BITUMEN MASTIC
   TAPE SYSTEM IN ACCORDANCE WITH SA WATER SPECIFICATION TS 18.
8. ALL DIMENSION IN MILLIMETRES.
STAINLESS STEEL FLANGED OUTFLOW
ISOLATING VALVE, FL - FL
EXISTING MAIN
IPVC, AC, CCL OR DCLI
CONNECTOR FL-SCO
DICL OR PVC PIPES
OUTLINE OF VALVE CHAMBER AND LID

PLAN

DIAGRAM LAYOUT

REFERENCE:

1. REFER 4005-30002-01 FOR GENERAL NOTES.
2. IF THE BRANCH OFFTAKE IS TO BE UNDERTAKEN AS A LIVE CONNECTION UNDER PRESSURE TAPPING, THE WORK SHALL ONLY BE UNDERTAKEN BY AN AUTHORISED CONTRACTOR. REFER TS 0503, CLAUSE 9.3 FOR AUTHORISED CONTRACTORS.
3. WHEN FIRE SERVICES ORIGINATE FROM A STEEL MAIN, CONSULT THE CATHODIC PROTECTION SPECIALIST FOR DETERMINATION IF CATHODIC PROTECTION MAY BE REQUIRED.
4. REFER SECTIONS 3 & 5 FOR:
   - EXCAVATION, EMBEDDING & PIPE COVER.
   - THRUST AND ANCHOR BLOCKS.
   - FOR LAYING DETAILS FOR BRANCHES.
   - DOG LEG CONSTRUCTION.
   - CATHODIC PROTECTION.
5. IN ADELAIDE CBD THIS PIPEWORK SHALL BE:
   - RESTRAINED JOINT RING DCL.
   - FLANGED DCL OR
   - FLANGED MSL.
6. ALL MSL PIPEWORK SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH SA WATER SPECIFICATION TS 18.
7. ALL DIMENSIONS IN MILLIMETRES.

ELEVATION

FIRE SERVICE OFF EXISTING MAIN
DN100, DN150 & DN200 MAINS USING DICL PIPE
(SHOWN WITH A DOGLEG & RESTRAINED JOINT RINGS)

NOTES:

REV. DATE  DIN  DETAILS
26/10/16  RP  ANCHOR BLOCK RELOCATED, LD & NOTES CHANGED.
31/3/16  MS  2016 STANDARDS REVIEW

DESIGN PANEL

REVISION PANEL

SA WATER STANDARD DRAWINGS
WATER SUPPLY CONSTRUCTION MANUAL
FIRE SERVICES
OFF EXISTING WATER MAIN

A3 SHEET SIZE
2

SUPERSEDES:
91-0066-02 (F2)
DRAWING NUMBER
4005-30009-03

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