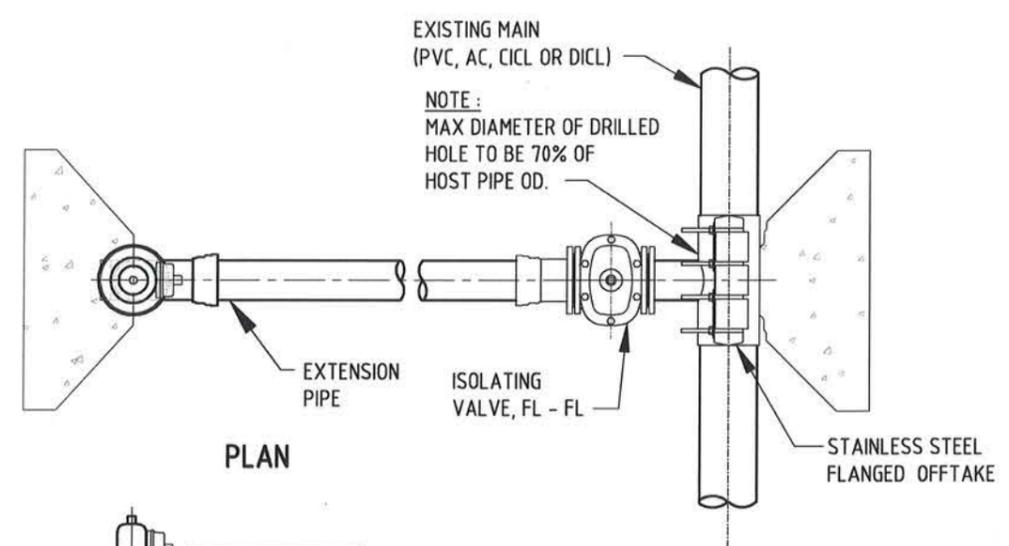
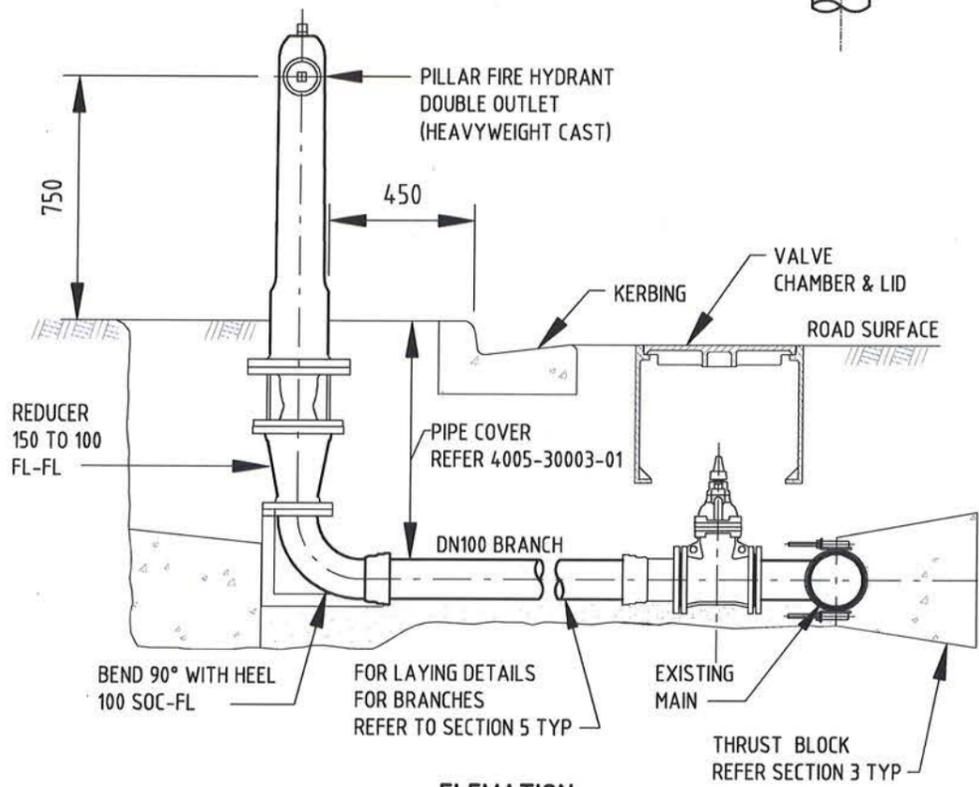


PLAN

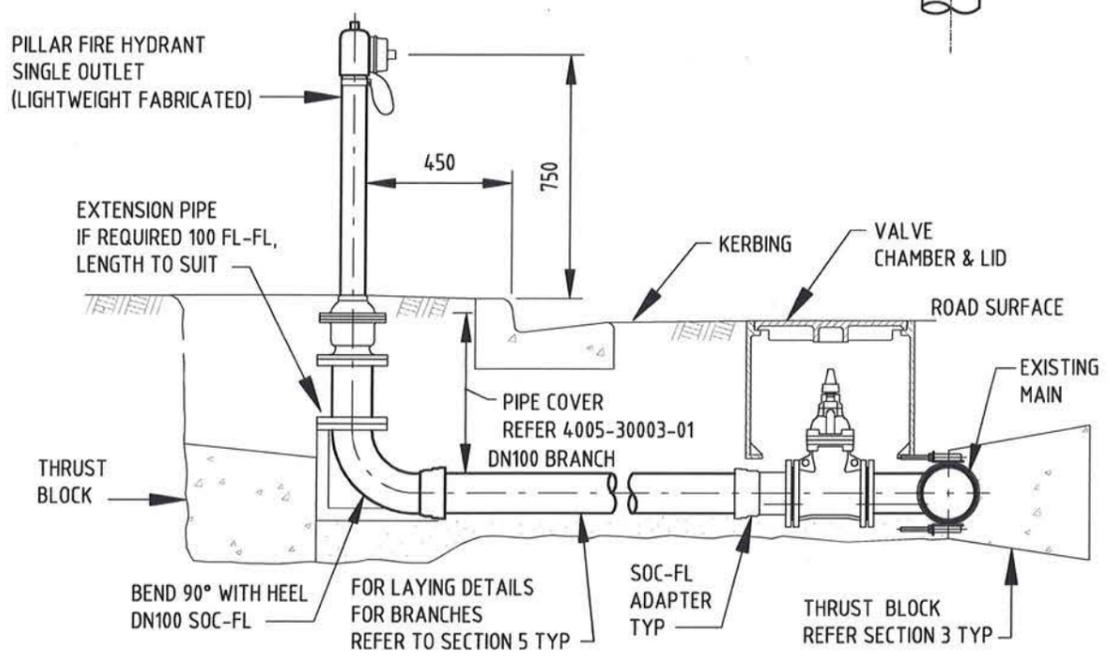


PLAN



ELEVATION

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



ELEVATION

**PILLAR FIRE HYDRANT SINGLE OUTLET  
(LIGHTWEIGHT FABRICATED)  
SHALL BE USED ON URBAN ROADS**

**NOTES:**

1. REFER 4005-30002-01 FOR GENERAL NOTES.
2. IF THE 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 **REFER AUTHORISED PRODUCTS FOR WATER INFRASTRUCTURE DOCUMENT FOR CONTRACTORS APPROVED TO PERFORM THIS WORK:**
3. ALL DIMENSIONS IN MILLIMETRES.

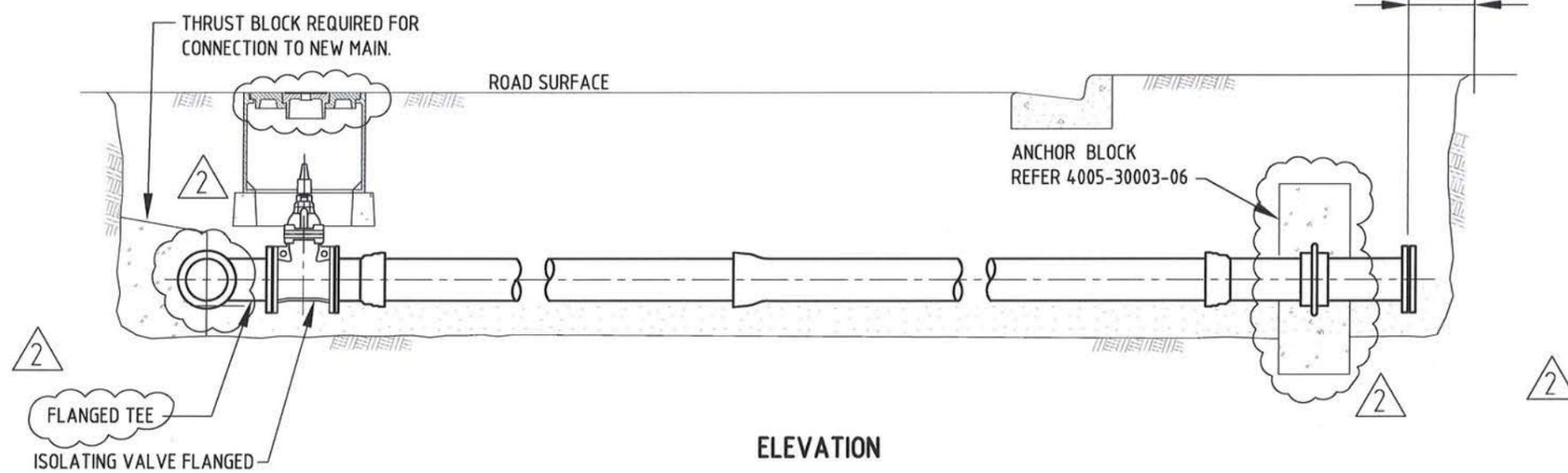
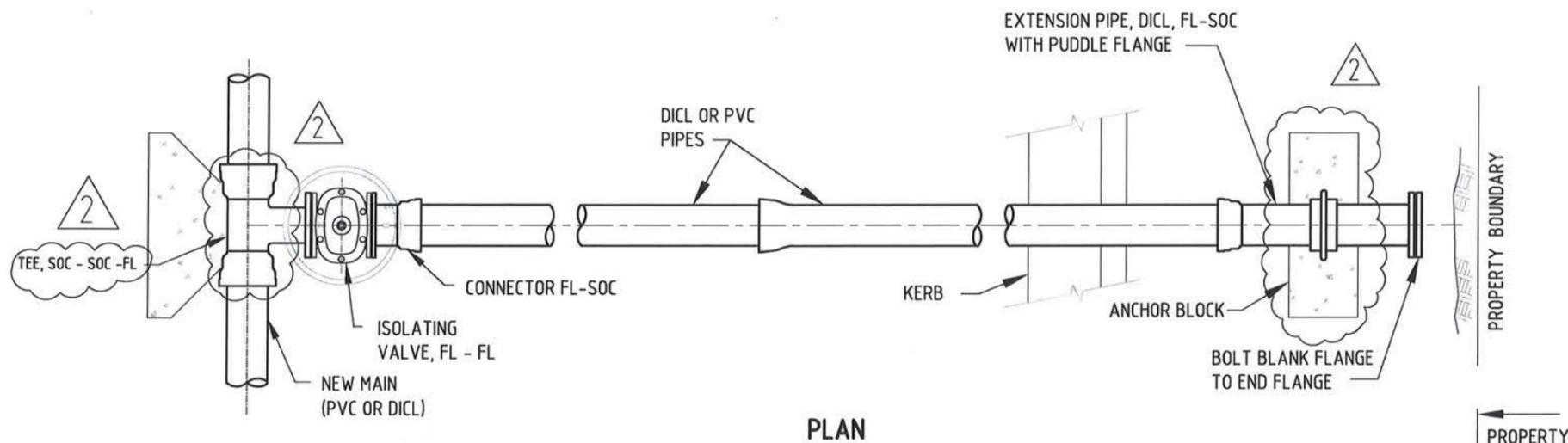
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL	
DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK
DRAWN: 16/11/16 MS	SIGNATURE: <i>T. Galek</i>
REVIEWED: 21/03/16 TG	

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**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**NEW MAINS UP TO DN375**  
**LAYING DETAILS FOR**  
**PILLAR FIRE HYDRANTS**

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 91-0068-01 (F1)	
DRAWING NUMBER	
4005-30009-01	
PREFIX	NUMBER SHEET



**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 ORIGINATE FROM AN EXISTING STEEL MAIN CONSULT THE CATHODIC 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 RESTRAINED BY AN ANCHOR BLOCK.
5. REFER SECTIONS 3 & 5 FOR:
  - EXCAVATION, EMBEDMENT & PIPE COVER.
  - THRUST AND ANCHOR BLOCKS.
  - FOR LAYING DETAILS FOR BRANCHES.
  - CATHODIC PROTECTION.
6. IN ADELAIDE CBD THIS PIPEWORK SHALL BE:
  - RESTRAINED JOINT RING DICL,
  - FLANGED DICL, OR
  - FLANGED MSCL.
7. ALL MSCL PIPEWORK SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH SA WATER SPECIFICATION TS 18.
8. ALL DIMENSION IN MILLIMETRES.

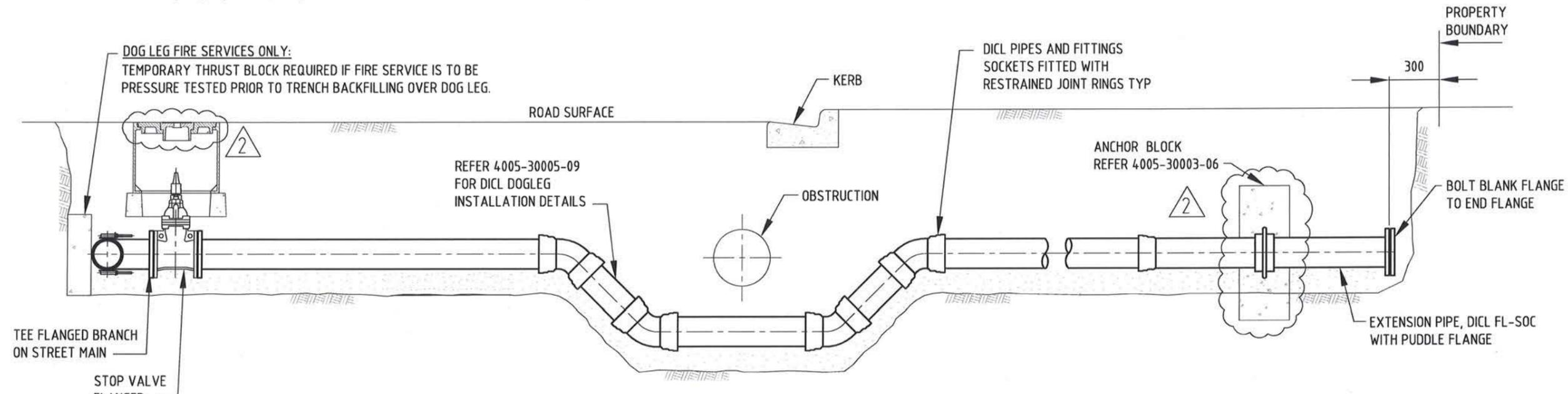
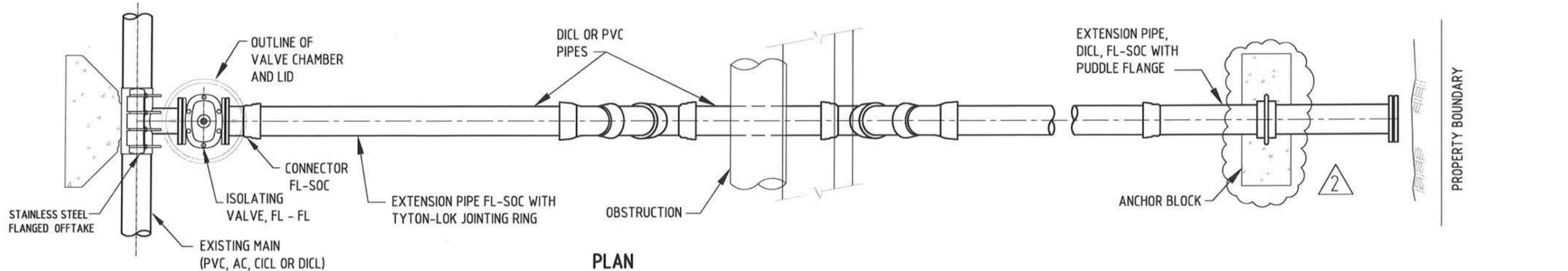
REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	21/11/16	RJP	TEE AT MAIN. ANCHOR BLOCK RELOCATED.	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL			
DESIGNED:	28/09/15	AUTHORISED:	31/03/16
RJP		T.GALEK	
DRAWN:	16/11/15	SIGNATURE:	
MS			
REVIEWED:	21/03/16	ORIGINAL SIGNED	
TG			

  
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**SA WATER STANDARD DRAWINGS**  
**WATER SUPPLY CONSTRUCTION MANUAL**  
**FIRE SERVICES**  
**OFF NEW WATER MAIN**

A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 91-0068-02 (F2)	
DRAWING NUMBER	
4005-30009-02	
PREFIX	NUMBER SHEET



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

**NOTES:**

- REFER 4005-30002-01 FOR GENERAL NOTES.
- IF THE 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.
- WHEN FIRE SERVICES ORIGINATE FROM A STEEL MAIN CONSULT THE CATHODIC PROTECTION SPECIALIST FOR DETERMINATION IF CATHODIC PROTECTION MAY BE REQUIRED.
- REFER SECTIONS 3 & 5 FOR:
  - EXCAVATION, EMBEDMENT & PIPE COVER.
  - THRUST AND ANCHOR BLOCKS.
  - FOR LAYING DETAILS FOR BRANCHES.
  - DOG LEG CONSTRUCTION.
  - CATHODIC PROTECTION.
- IN ADELAIDE CBD THIS PIPEWORK SHALL BE:
  - RESTRAINED JOINT RING DI, CL,
  - FLANGED DI, CL, OR
  - FLANGED MSCL.
- ALL MSCL PIPEWORK SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH SA WATER SPECIFICATION TS 18.
- ALL DIMENSION IN MILLIMETRES.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	26/10/16	RP	ANCHOR BLOCK RELOCATED. LID & NOTES CHANGED.	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL			
DESIGNED:	28/09/15	AUTHORISED:	31/03/16
DRAWN:	16/11/15	SIGNATURE:	T.GALEK
REVIEWED:	21/03/16	ORIGINAL SIGNED	

**SA Water**  
Government of South Australia

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

A3 SHT SIZE  
2 REVISION  
TOTAL SHEETS: 1  
SUPERSEDES: 91-0068-02 (F2)  
DRAWING NUMBER  
**4005-30009-03**  
PREFIX NUMBER SHEET