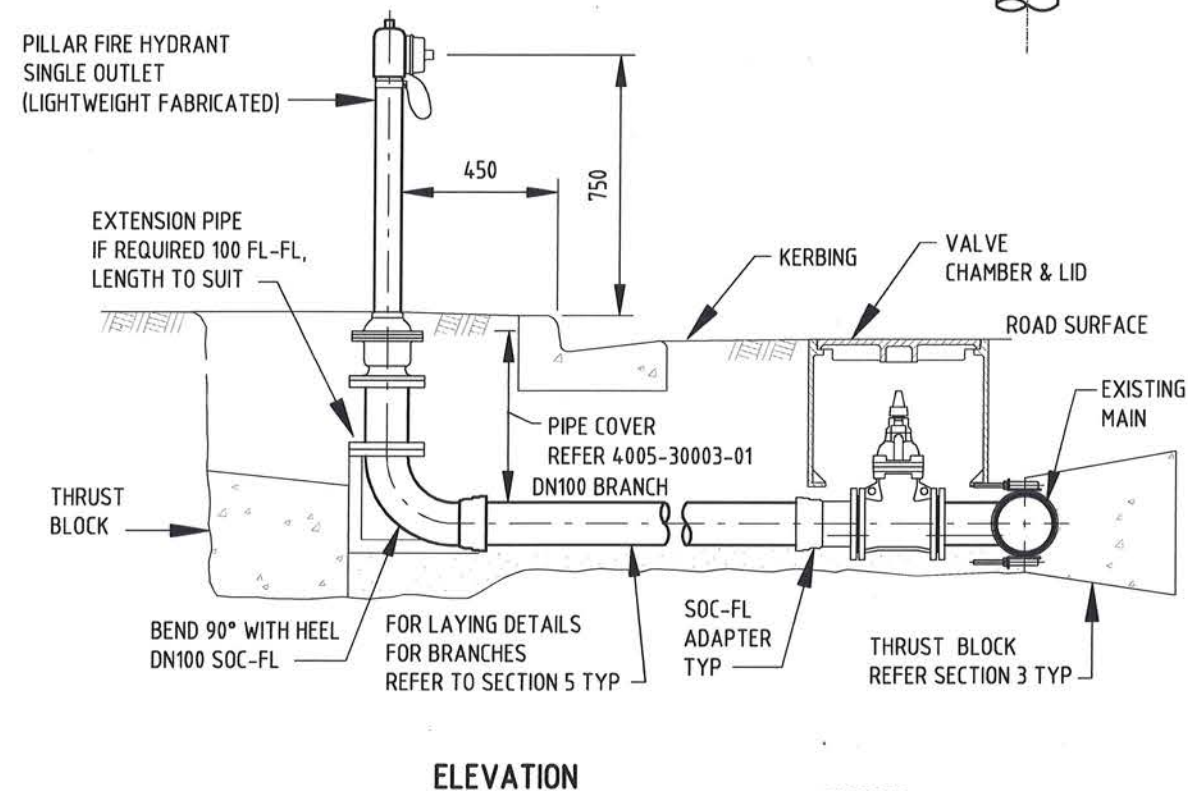
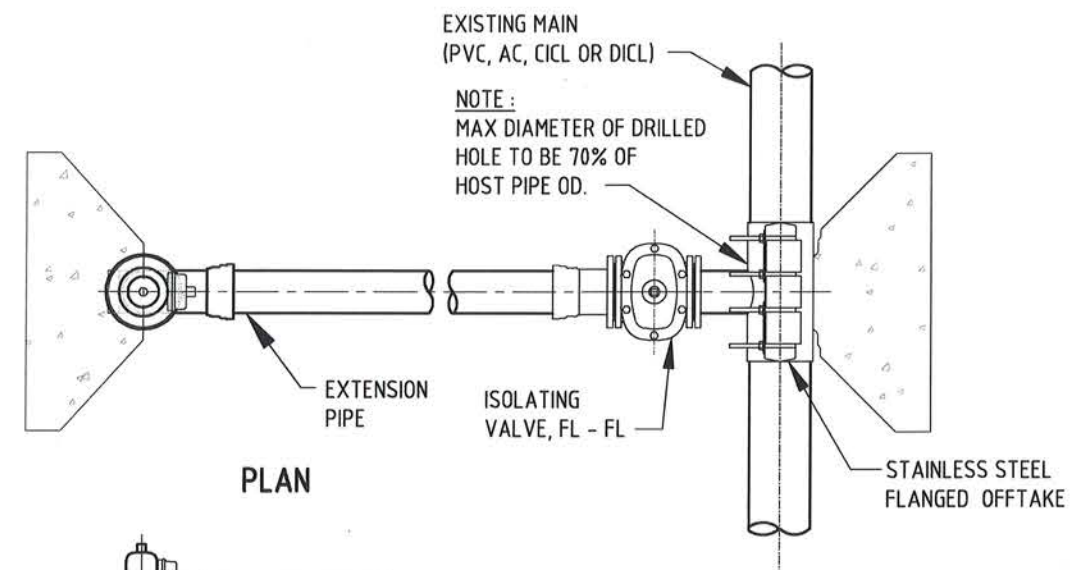





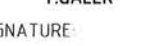
PILLAR FIRE HYDRANT - DOUBLE OUTLET (HEAVYWEIGHT CAST)
SHALL BE USED ON ADELAIDE AND NORTH ADELAIDE STREETS



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

NOTES:

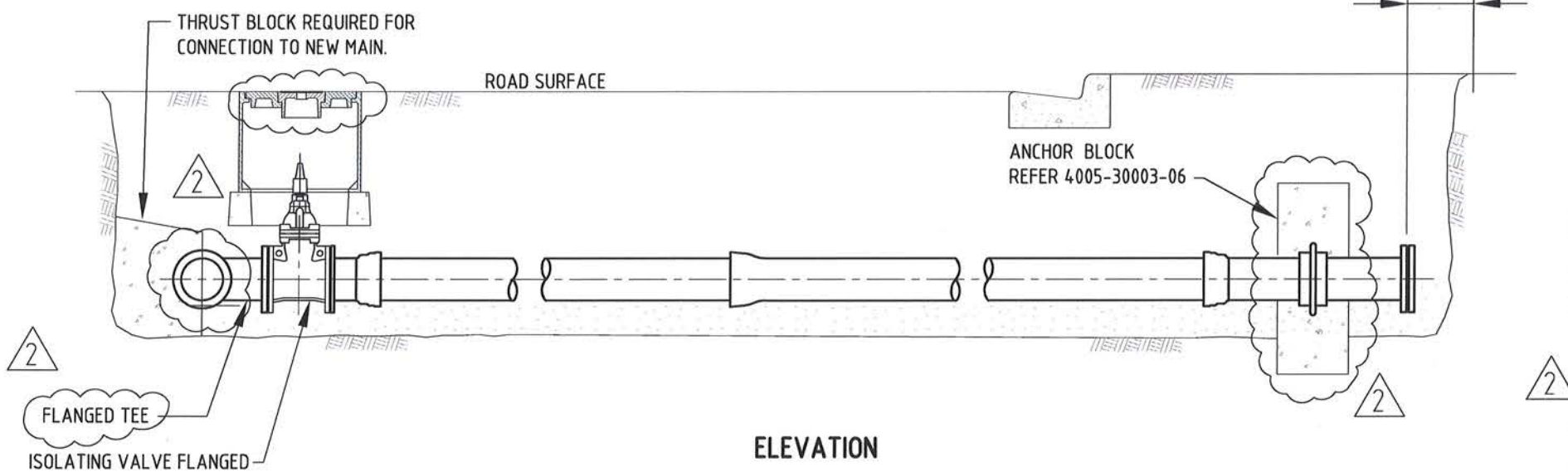
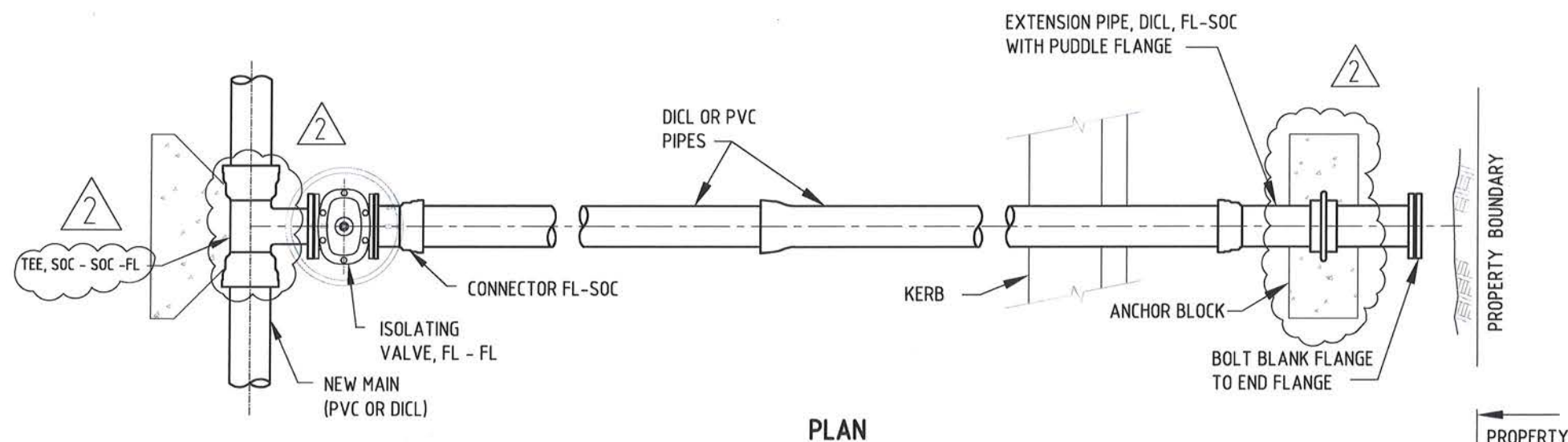
1. REFER 4005-30002-01 FOR GENERAL NOTES.
2. IF THE THE BRANCH OFFTAKE IS TO BE UNDERTAKEN AS A LIVE CONNECTION (UNDER PRESSURE TAPPING), THE WORK SHALL ONLY BE UNDERTAKEN BY AN AUTHORISED CONTRACTOR. REFER **AUTHORISED PRODUCTS FOR WATER INFRASTRUCTURE DOCUMENT FOR CONTRACTORS APPROVED TO PERFORM THIS WORK:**
3. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL					DESIGN PANEL		<div><div> Government of South Australia</div><div></div></div>		SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL		A3 SHT SIZE	1 REVISION
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:	DESIGNED: 28/09/15 RJP	AUTHORISED: 31/03/16 T.GALEK	<div>This drawing is the property of the SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</div> <div> SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.</div>	NEW MAINS UP TO DN375 LAYING DETAILS FOR PILLAR FIRE HYDRANTS		TOTAL SHEETS:	
					SIGNATURE:	DRAWN: 16/11/16 MS	SIGNATURE: 		SUPERSEDES: 91-0068-01 (F1)			
						REVIEWED: 21/03/16 TG			DRAWING NUMBER			
									4005-30009-01			
1	31/03/16	MS	2016 STANDARDS REVIEW	TG					PREFIX	NUMBER	SHEET	

SA Water

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4005-30009-01	1
PREFIX	NUMBER
4005-30009-01	1
PREFIX	NUMBER



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

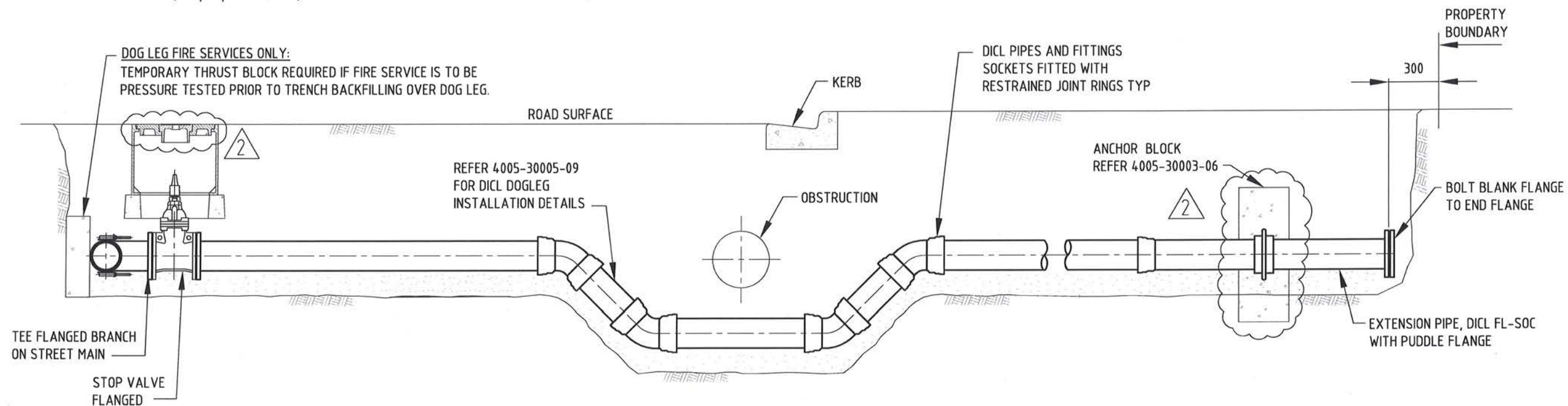
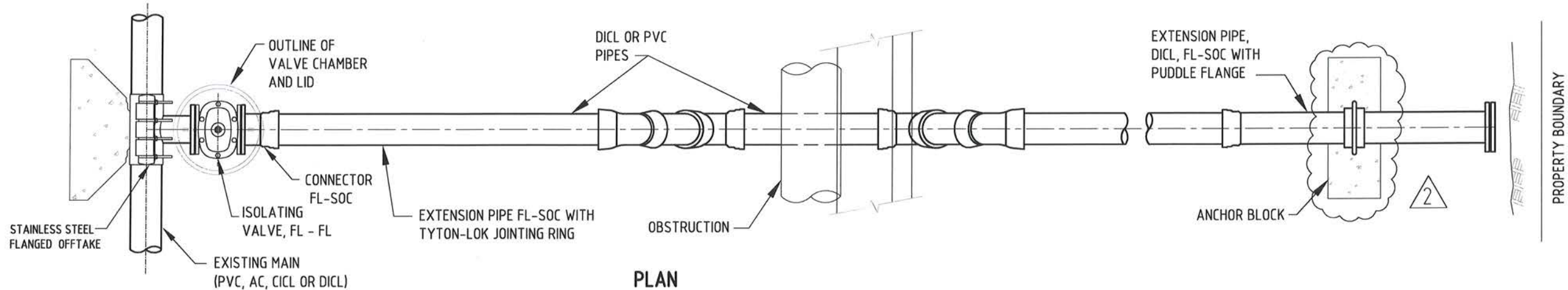
NOTES:

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					DESIGN PANEL			SA WATER STANDARD DRAWINGS			A3	2
REV	DATE	DRN	DETAILS	APR	CURRENT REV 16/12/16	DESIGNED: 28/09/15	AUTHORISED: 31/03/16	WATER SUPPLY CONSTRUCTION MANUAL			SHT SIZE	REVISION
					AUTHORISED: T. GALEK	RJP	T. GALEK	FIRE SERVICES			TOTAL SHEETS:	
					SIGNATURE:	DRAWN: 16/11/15	SIGNATURE:	OFF NEW WATER MAIN			SUPERSEDES: 91-0068-02 (F2)	
2	21/11/16	RJP	TEE AT MAIN. ANCHOR BLOCK RELOCATED.			MS					DRAWING NUMBER	
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		REVIEWED: 21/03/16	ORIGINAL SIGNED				4005-30009-02	
											PREFIX	SHEET



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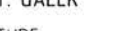


ELEVATION

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

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 TS 0503, CLAUSE 9.3 FOR AUTHORIZED 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, EMBEDMENT & 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 DICL,
 - FLANGED DICL, OR
 - FLANGED MSCL.
6. ALL MSCL PIPEWORK SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH SA WATER SPECIFICATION TS 18.
7. ALL DIMENSION IN MILLIMETRES.

REVISION PANEL					DESIGN PANEL			 SA WATER STANDARD DRAWINGS		WATER SUPPLY CONSTRUCTION MANUAL		A3 SHT SIZE		2 REVISION	
REV	DATE	DRN	DETAILS	APR	CURRENT REV 16/12/16	DESIGNED: 28/09/15	AUTHORISED: 31/03/16	This drawing is the property of the  SOUTH AUSTRALIAN WATER CORPORATION and shall not be copied or modified in part or in whole without authorization.		FIRE SERVICES		TOTAL SHEETS: 1		SUPERSEDES: 91-0068-02 (F2)	
					AUTHORISED: T. GALEK	RJP	T.GALEK			OFF EXISTING WATER MAIN		DRAWING NUMBER		4005-30009-03	
					SIGNATURE: 	MS	SIGNATURE:					PREFIX		NUMBER	
2	26/10/16	RP	ANCHOR BLOCK RELOCATED. LID & NOTES CHANGED.			REVIEWED: 21/03/16	ORIGINAL SIGNED					SHEET			
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		TG									