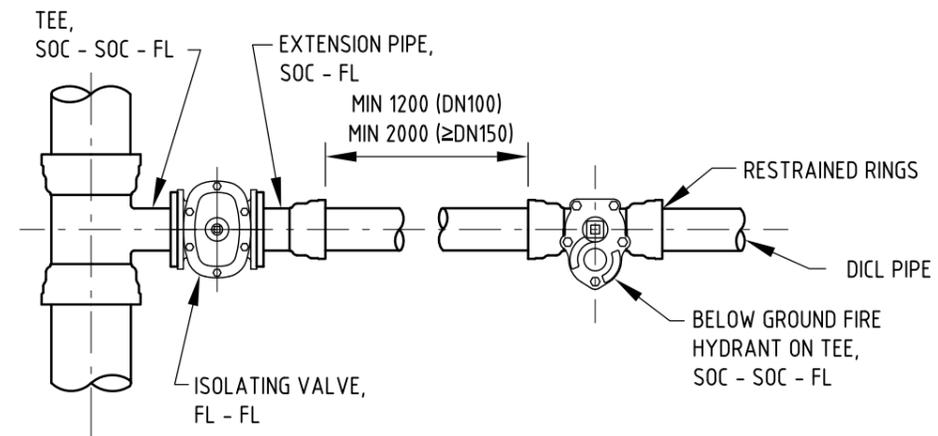
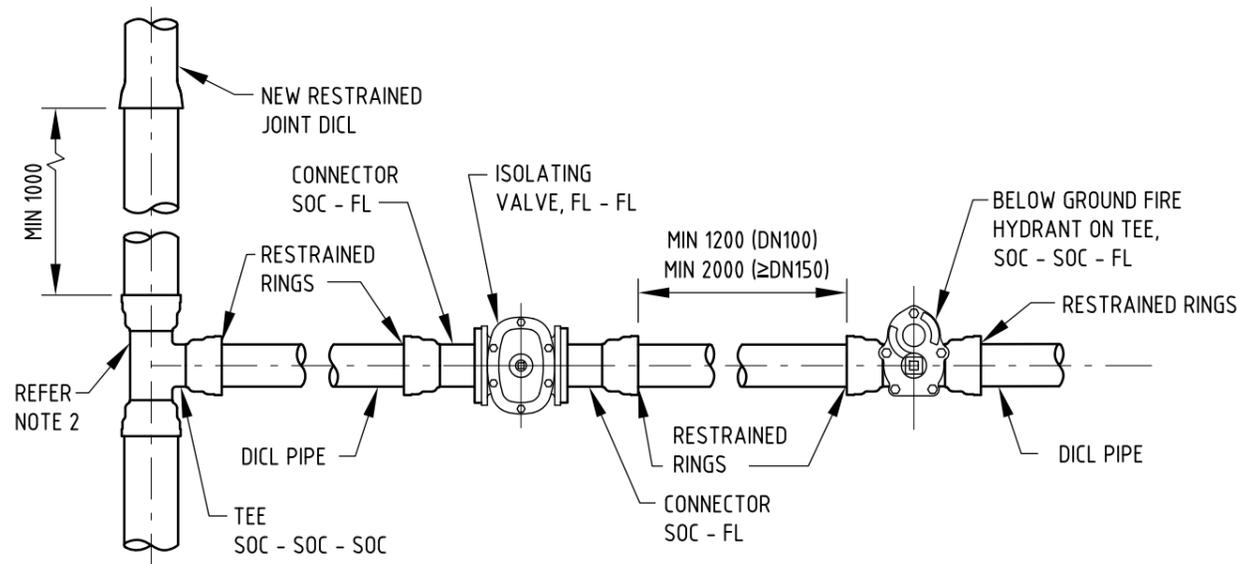


**METHOD 1
STOP VALVE ADJACENT TEE
DN100 & DN150 MAINS BRANCH ARRANGEMENT**



**METHOD 2:
RESTRAINED JOINT DICL BRANCHES OFF NEW
DN200 & LARGER MAINS BRANCH ARRANGEMENT**



**METHOD 3:
STOP VALVE SEPARATE FROM TEE**

NOTES:

1. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
2. TEES SHALL NOT BE INSTALLED WITHIN MIN 1000 mm OF THE SOCKET END OF A DN100 PIPE.
3. WORK SHALL ONLY BE UNDERTAKEN UNDER THE DIRECTION OF A PERSON WHO HAS COMPLETED AN APPROVED DUCTILE IRON PIPE INSTALLATION TRAINING COURSE.
4. CUT LENGTHS OF DICL PIPE SHALL BE FROM A SECTION OF PIPE WITHIN 3.5 m OF THE SPIGOT.
5. REFER ~~4005-30003-08~~ FOR RESTRAINED JOINT REQUIREMENTS IN LIEU OF THRUST/ ANCHOR BLOCKS.
6. WHERE THE RESTRAINED JOINTING SYSTEM IS USED MARKING TAPE SHOWING 'RESTRAINED JOINT SYSTEM' SHALL BE USED.
7. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH 4005-30005-10 & 4005-30005-11.
8. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL				DESIGN PANEL		SA WATER STANDARD DRAWINGS		A3		2	
REV	DATE	DRN	DETAILS	APR	CURRENT REV	DESIGNED:	AUTHORISED:	SHT SIZE		REVISION	
2	05/12/16	RP	DRAWING REFERENCE CHANGED		16/12/16	RJP	T.GALEK	TOTAL SHEETS: 1			
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		MS		SUPERSEDES: 91-0059-05 (C6)			
						REVIEWED:	ORIGINAL SIGNED	DRAWING NUMBER		4005-30005-04	
						TG		PREFIX		NUMBER SHEET	

**SA WATER STANDARD DRAWINGS
WATER SUPPLY CONSTRUCTION MANUAL
NEW WATER MAIN WITH
RESTRAINED JOINT DICL
BRANCH INSTALLATION ARRANGEMENTS**

4005-30005-04
PREFIX NUMBER SHEET