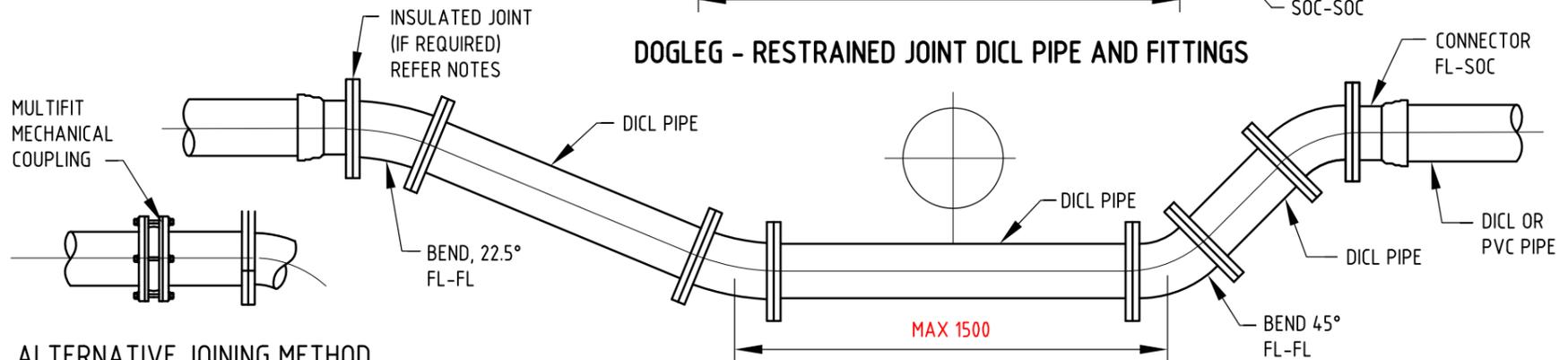
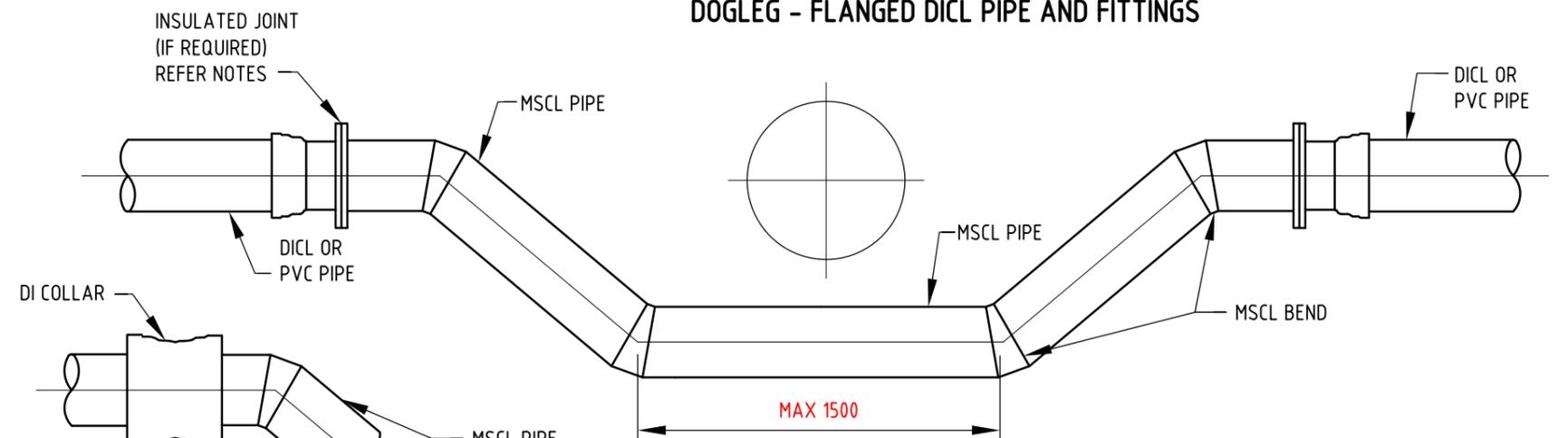


DOGLEG - RESTRAINED JOINT DCL PIPE AND FITTINGS



ALTERNATIVE JOINING METHOD

DOGLEG - FLANGED DCL PIPE AND FITTINGS



ALTERNATIVE JOINING METHODS

DOGLEG - MSCL PIPE, WELDED BENDS

MINIMUM LENGTH OF PIPE REQUIRED FOR RESTRAINED JOINT SYSTEM TO BE EFFECTIVE .REFER 4005-30003-08

NOTES:

- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- REFER 4005-30005-08 FOR:
 - DOGLEG CONSIDERATIONS,
 - DESIGN REQUIREMENTS,
 - DESIGN DRAWING REQUIREMENTS,
 - THE PE PIPE ALTERNATIVE.
- CUT LENGTHS OF DCL PIPE FOR USE WITH THE RESTRAINED JOINT METHOD SHALL BE FROM A SECTION OF PIPE WITHIN 3.5 m OF THE SPIGOT.
- DCL DOGLEGS SHALL BE PROTECTED BY EITHER:
 - LINEAR LOW DENSITY POLYETHYLENE SLEEVING. (REFER 4005-30005-01).
 - OR
 - WRAPPING WITH PETROLATUM TAPE SYSTEM IN ACCORDANCE WITH TS 29.
- MSCL DOG LEGS:
 - ALL WELDING SHALL BE IN ACCORDANCE WITH AS 4041, CLASS 2.
 - SINTAKOTED PIPES: **WHERE SINTAKOTE HAS BEEN DAMAGED OR REMOVED**, PIPE SHALL BE WRAPPED WITH BITUMEN MASTIC TAPE SYSTEM, IN ACCORDANCE WITH TS 18.
 - NON-SINTAKOTED PIPES: PIPE SHALL BE WRAPPED WITH BITUMEN MASTIC TAPE SYSTEM, IN ACCORDANCE WITH TS 18.
- STANDARD INSULATED FLANGED JOINT
 - SHALL BE INSTALLED WHERE INDICATED IF ADJOINING MAIN IS DCL OR CCL. NOT REQUIRED IF ADJOINING MAIN IS PVC OR AC.
 - REFER 04-0408-01 FOR DETAILS.
- THRUST BLOCKS MAY NOT BE REQUIRED WHEN DOGLEG IS FABRICATED ENTIRELY FROM:
 - RESTRAINED JOINT DCL PIPE AND FITTINGS,
 - FLANGED DCL PIPE AND FITTINGS,
 - WELDED MSCL PIPE.
 REFER 4005-30003-08 FOR RESTRAINED JOINT REQUIREMENTS IN LIEU OF THRUST BLOCKS.
- DN200 AND LARGER, MSCL & DCL DOG LEGS SHALL BE CATHODICALLY PROTECTED. REFER 4005-30009-03.
- SHOULD STAINLESS STEEL BE UTILISED IN LIEU OF MSCL THE PIPE SHALL BE AS 1449, GRADE 316.

REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
2	19/07/16	PC	SUPERSEDES CHANGED	
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		ORIGINAL SIGNED	
REVIEWED:	21/03/16		
TG			

SA WATER STANDARD DRAWINGS
WATER SUPPLY CONSTRUCTION MANUAL
DCL & MSCL DOGLEGS

A3	2
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: C12 & C13	
DRAWING NUMBER	
4005-30005-09	
PREFIX	NUMBER SHEET