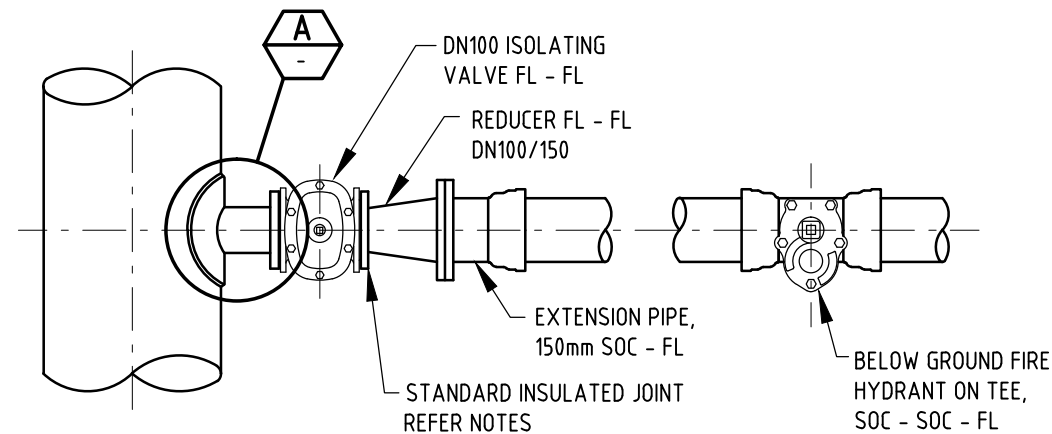
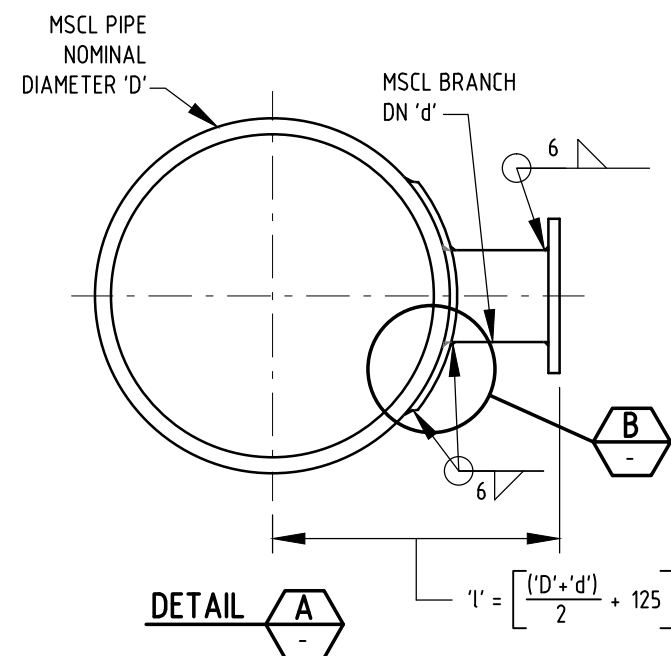


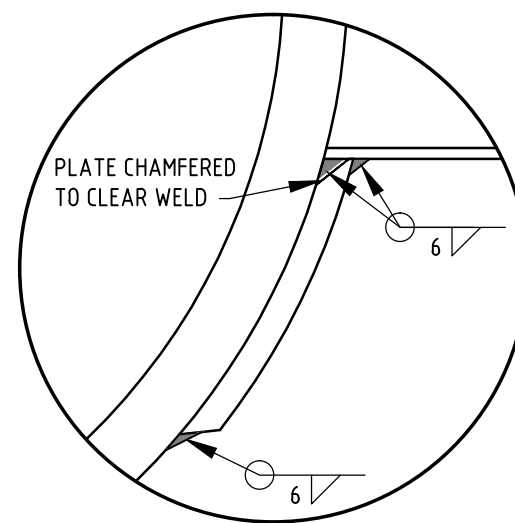
① ALL BRANCH SIZES EXCEPT DN150



② DN150 BRANCH ONLY



MSCL FLANGED OFFTAKE DETAIL
END ELEVATION





DETAIL
WELDING

MSCL FABRICATION/ INSTALLATION REQUIREMENTS:

- ALL WELDING SHALL BE IN ACCORDANCE WITH AS 4041, CLASS 2P.
- FLANGES SHALL BE IN ACCORDANCE WITH AS 4087. DIMENSIONS FOR STEEL CLASS 16, FLAT FACED.
- CLEAN EXISTING MAIN PIPE COATING FOR FULL PIPE CIRCUMFERENCE FOR 100 mm SURROUNDING OFFTAKE LOCATION.
- CLEAN ENTIRE LENGTH OF BRANCH OFFTAKE.
- ALL WELDING SLAG SHALL BE REMOVED.
- FOR BURIED APPLICATIONS:
 - OFFTAKE SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH TS 18.
 - ADDITIONAL BITUMEN MASTIC TAPE SYSTEM SHALL BE EXTENDED AROUND FULL PIPE CIRCUMFERENCE, ADJACENT TO OFFTAKE, AND ONTO THE EXISTING COATING, IN ACCORDANCE WITH TS 18.

NOTES:

- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- A BRANCH **SHALL NOT BE INSTALLED WITHIN MIN 1000 mm OF THE SOCKET END OF A DN100 PIPE.** MSCL FLANGED OFFTAKES, DN100 & DN150, SHALL BE AN 'UNDER PRESSURE TAPPING' AND SHALL BE UNDERTAKEN BY AN AUTHORISED CONTRACTOR. **REFER AUTHORISED PRODUCTS FOR WATER SYSTEMS FOR CONTRACTORS APPROVED TO PERFORM THIS WORK.**
- THRUST / ANCHOR BLOCKS ARE NOT REQUIRED.
- THE CONSULTANT SHALL DETERMINE THE REINFORCING PLATE SIZE. CONFIRMATION OF PIPELINE PRESSURES SHALL BE SOUGHT FROM THE SA WATER REPRESENTATIVE TO ASSIST WITH THE CALCULATION.
- ALL BELOW GROUND FLANGES FIRE HYDRANTS, ISOLATING VALVES AND TAPERS SHALL BE PROTECTED WITH PETROLATUM TAPE SYSTEM OR BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH TS 18.
- STANDARD INSULATED FLANGED JOINT SHALL BE INSTALLED WHERE INDICATED. REFER 04-0408-01 FOR DETAILS.
- REFER SECTION 5 FOR DETAILS ON PIPE CONSTRUCTION FOR THE BRANCH MAIN.
- REFER SECTION 3 FOR THRUST PROTECTION FOR THE BRANCH MAIN.

REVISION PANEL						DESIGN PANEL			<div><div></div><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>	SA WATER STANDARD DRAWINGS WATER SUPPLY CONSTRUCTION MANUAL LAYING DETAILS FOR BRANCHES OFF EXISTING MSCL MAIN			A3		1	
SHT SIZE		REVISION														
TOTAL SHEETS:																
SUPERSEDES: 91-0059-03 (C8)																
DRAWING NUMBER																
REV	DATE	DRN	DETAILS	APR	CURRENT REV	DESIGNED: 28/09/15	AUTHORISED: 31/03/16	4005-30005-07								
					AUTHORISED:	RJP	T.GALEK	PREFIX		NUMBER						
					SIGNATURE:	DRAWN: 16/11/15	SIGNATURE:	SHEET								
						MS										
						REVIEWED: 21/03/16										
						TG										
1	31/03/16	MS	2016 STANDARDS REVIEW	TG												