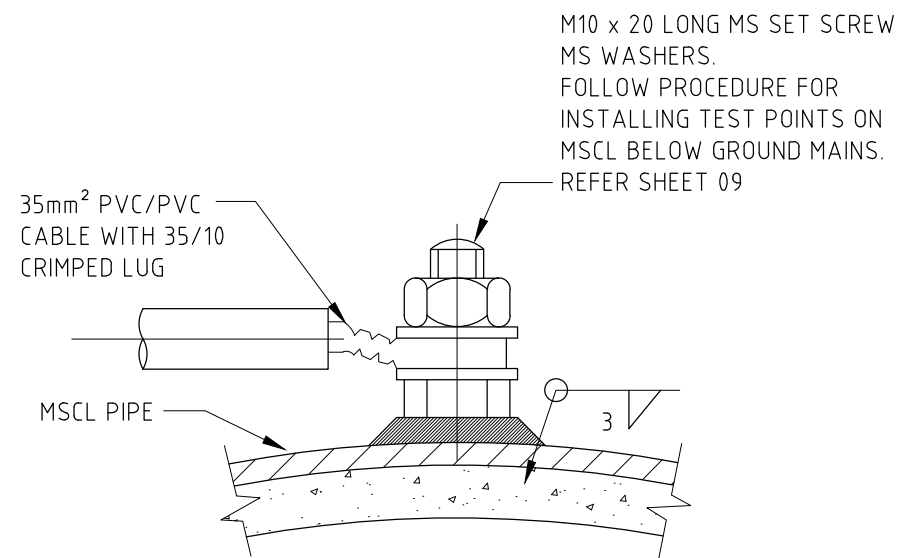


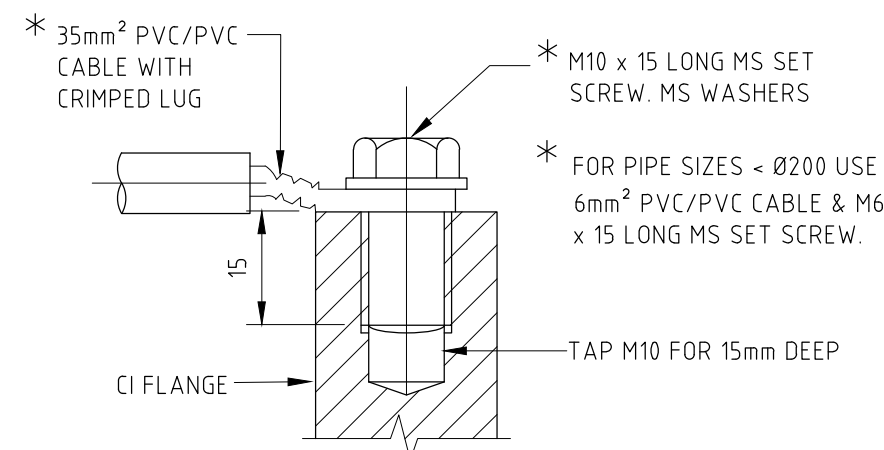
CADWELD CONNECTION  
DETAIL E  
SCALE 1:5

## NOTES FOR CADWELD CONNECTION

1. THERMIT WELD PROCESS SHALL BE SUPPLIED ONLY BY SKILLED EXPERIENCED FIELD PERSONNEL.
2. THE THERMIT WELD CHARGE SHALL BE LIMITED TO THERMOWELD CARTRIDGE No.15 (15 GRAM) OR EQUIVALENT.
3. THE MINIMUM DISTANCE OF A THERMIT WELD FROM A CIRCUMFERENTIAL WELD SHALL BE 200mm.
4. THE MINIMUM DISTANCE OF A THERMIT WELD FROM A LONGITUDINAL WELD SHALL BE 40mm.
5. IF CABLES WITH A CROSS-SECTION LARGER THAN 25 SQ mm ARE TO BE WELDED. THE CONDUCTOR STRANDING SHALL BE DIVIDED INTO TWO OR MORE BUNDLES AND THERMIT WELD EACH BUNDLE TO THE PIPE SEPARATELY. THE SPACING BETWEEN POINT OF CONNECTION SHALL BE NOT LESS THAN 100mm.
6. WHERE POSSIBLE THERMIT WELDS SHALL BE APPLIED TO HORIZONTAL PIPES.
7. REMOVED EXCESS SLAG AND TEST WELD BY A 1/2kg HAMMER.



MS PIPE CONNECTION  
DETAIL C  
SCALE 1:1



CI FLANGE CONNECTION  
DETAIL D  
SCALE 1:1

## CABLE CONNECTION COATING

COAT WITH DENSO MULTI PURPOSE PRIMER.  
COVER WITH DENSO MASTIC AND THEN ENCASE WITH PIECES OF DENSO TAPE AND DENSO MP/H OVERWRAP. TAPE IN ACCORDANCE WITH TS18. APPROVED EQUIVALENT FOR DENSO TAPE MAY BE USED.



SUFFICIENT SLACK SHOULD BE LEFT IN THE BURIED CABLES TO PREVENT DAMAGE DURING BACKFILLING.

## NOTES FOR LUG CONNECTION

1. ALLOW FOR 500mm CABLE SLACK OVER THE PIPE.

## REFERENCE DRAWINGS

SHEET 08 - TEST POINT CONNECTIONS  
SHEET 09 - PIPE CONNECTIONS FOR TEST POINTS  
SHEET 17 - BOND CABLE ARRANGEMENT ON BELOW GROUND VALVES AND MSCL PIPELINES

REVISION PANEL					DESIGN PANEL			<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>	SA WATER STANDARD DRAWING		A3		TOTAL SHEETS:		1.0	
REV	DATE	DRN	DETAILS	APR	CURRENT REV 03/06/22	DESIGNED: 03/06/2022	AUTHORISED:		SHT SIZE	PROJECT No: X00002		REVISION				
						R. SALAZAR ROMERO	KINGSLEY BROWN									
						DRAWN: 03/06/2022	SIGNATURE:									
						C. DOUGALL										
1.0	03/06/22	CD	ISSUED FOR USE	RSR		REVIEWED: 03/06/2022	ORIGINAL SIGNED									
CURRENT REV CONTRACTOR:					CURRENT REV PROJECT:					CONTRACTOR:						

CATHODIC PROTECTION

MAXIMO ID:

SUPERSEDES:

DRAWING NUMBER

STD-04-00001\_10