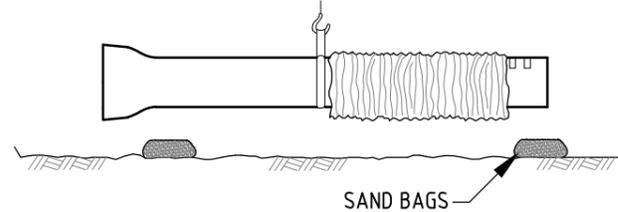


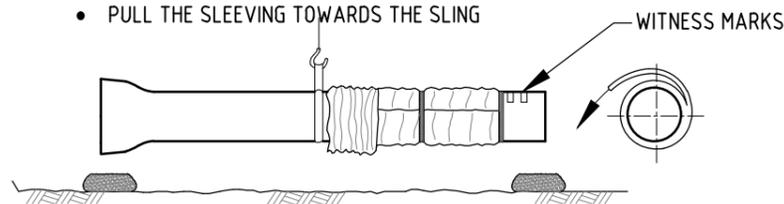
## GUIDELINES

- FOR INSTALLATION OF DICL PIPE & FITTINGS THE WORK SHALL BE UNDERTAKEN UNDER THE DIRECTION OF A PERSON WHO HAS COMPLETED THE VIADUX DICL PIPELINE COURSE & HAS PROVIDED THE SA WATER REPRESENTATIVE WITH EVIDENCE OF THE COURSE COMPLETION.
- PRIOR TO COMMENCEMENT, REQUIRED EQUIPMENT TO UNDERTAKE THE WORK SHALL BE ON SITE & INSPECTED.
- POLYETHYLENE SLEEVING SHALL BE INSTALLED:
  - IN ACCORDANCE WITH THE REQUIREMENT SPECIFIED IN AS3681 'GUIDELINES FOR THE APPLICATION OF POLYETHYLENE SLEEVING TO DUCTILE IRON PIPELINE AND FITTINGS.
  - IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- IN CRAMPED SITUATIONS:
  - STRAP & BUCKLES SHALL BE USED
- IN WET CONDITIONS:
  - STRAPS & BUCKLES ARE PREFERABLE TO ADHESIVE TAPE.
- THE PIPE & FITTINGS SHALL BE CLEANED PRIOR TO JOINTING.

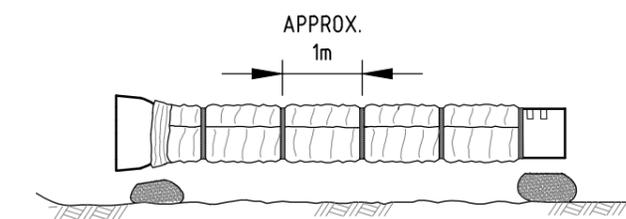


### SLEEVING OF DICL PIPE

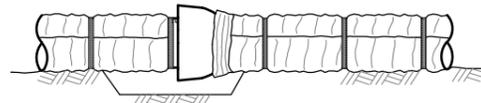
- PULL THE SLEEVING ONTO THE PIPE:
  - CUT SLEEVING LONG ENOUGH TO COVER THE PIPE AND OVERLAP THE SOCKET END APPROX. 300 mm.
  - CENTRALISE THE SLING UNTIL THE PIPE IS BALANCED
  - PULL THE SLEEVING TOWARDS THE SLING



- FIT THE SLEEVING ONTO THE PIPE:
  - FOLD THE SLEEVING AT TOP OF THE PIPE, POOLING TIGHTLY,
  - SLEEVING TO BE CLOSE TO THE WITNESS MARKS BUT ENSURE MARKS ARE EXPOSED.



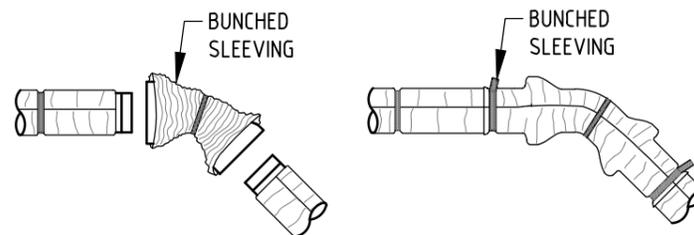
- CONTINUE TO SECURE THE SLEEVING
  - LOWER THE PIPE ONTO SANDBAGS AND REMOVE SLING.
  - PULL THE SLEEVING ALONG THE PIPE
  - TAPE THE SLEEVING AT REGULAR 1m INTERVALS.
  - EXTRA SLEEVING TO BE BUNCHED AT SOCKET END.



- PLACEMENT OF PIPE & COMPLETION OF SLEEVING:
  - ENSURE A SUITABLE DEPRESSION HAS BEEN MADE IN THE BEDDING WHERE THE JOINT WILL BE LOCATED,
  - LIFT THE PIPE FROM THE CENTRE WITH A SLING,
  - KEEP THE FOLD OF THE SLEEVING AT THE TOP OF THE PIPE
  - OVERLAP THE SLEEVING OVER THE JOINT AND SECURE WITH THE STRAP AND BUCKLE

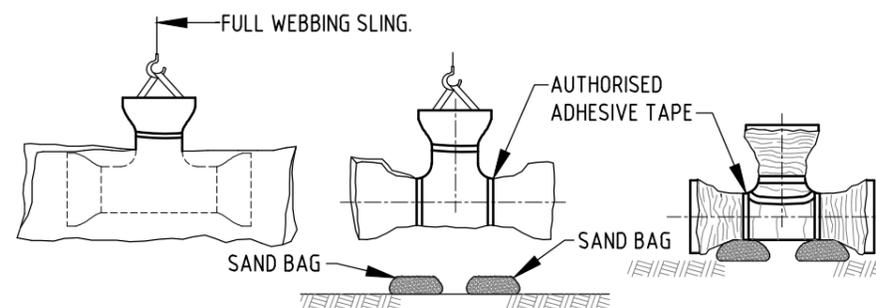
### SLEEVING OF DICL FITTINGS

#### 1. BENDS



- PRIOR TO JOINTING :
  - CUT SLEEVING LONG ENOUGH TO COVER THE BEND AND OVERLAP THE ENDS APPROX. 300 mm.
  - PLACE SLEEVING OVER THE BEND AND SECURE WITH TAPE AROUND THE CENTRE OF THE BEND.
  - BUNCH SLEEVING BEHIND THE SOCKETS.
- AFTER JOINTING OF BEND TO PIPES
  - PLACE THE BUNCHED SLEEVING OVER OVER SOCKETS.
  - ENSURE SLEEVING FOLLOWS THE SOCKET SHAPE,
  - SEAL THE OVERLAPS TO THE SLEEVED PIPES WITH STRAPS AND BUCKLES.

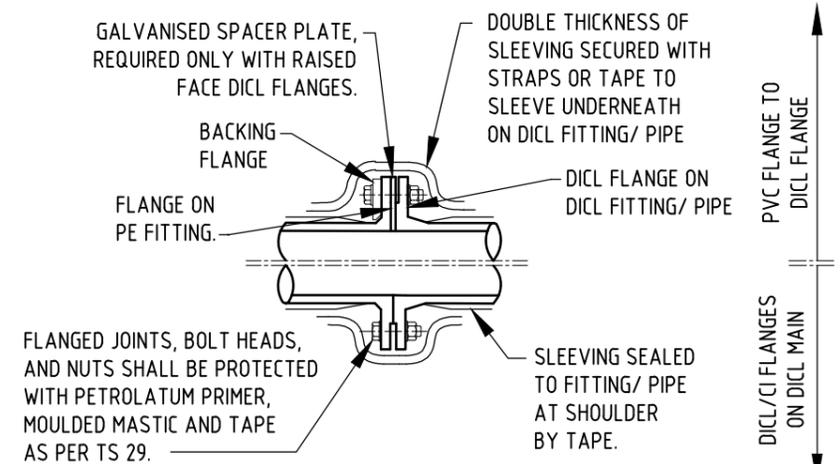
#### 2. TEES



- TWO PIECES OF SLEEVING ARE REQUIRED.
- ALLOW 300 mm OVERLAP.
- CUT THE BODY PIECE  $\frac{2}{3}$  OF THE WAY ALONG THE SIDE OF THE SLEEVE.
- LIFT THE TEE WITH THE SLING AT THE TOP OF THE BRANCH.
- SLIDE THE BODY PIECE ON THE FACE. TAPE THE SLEEVE AND SEAL.
- LOWER ONTO SAND BAG & REMOVE THE SLING.
- SLIDE THE BRANCH PIECE OF SLEEVING INTO THE TEE. TAPE THE SLEEVING AND SEAL.

### 3. FLANGES

(REQUIRE SLEEVING PLUS PETROLATUM PROTECTION)



- ALL FLANGES ON FITTINGS WHICH ARE TO BE BURIED SHALL BE PROTECTED BY PETROLATUM TAPE SYSTEM IN ACCORDANCE WITH TS 29 AND SHALL BE DOUBLE OVER WRAPPED WITH POLYETHYLENE SLEEVING.

### 4. TAPPING SADDLES

- REMOVE A 150 mm SECTION OF SLEEVING AT THE TAPPING POSITION.
- ASSEMBLE THE TAPPING SADDLE ONTO THE PIPE.
- USING A SEPARATE PIECE OF SLEEVING WRAP IT CIRCUMFERENTIALLY AROUND THE EXPOSED PIPE SECTION AND TAPPING SADDLE. TAPE THE ENDS OF THE SLEEVING.
- INSTALL THE NIPPLE TO THE TAPPING SADDLE AS REQUIRED.
- REPAIR ANY DAMAGED SLEEVING IN THE FOLLOWING MANNER:
  - FOR HOLES SMALLER THAN TAPE WIDTH, USE ADHESIVE TAPE.
  - FOR LARGER HOLES EITHER OVERLAP WITH POLYETHYLENE SHEET WITH STRAP AND BUCKLE OR ADHESIVE TAPE WHICH SHALL BE AROUND FULL CIRCUMFERENCE OF PIPE.

### NOTES:

- REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
- PVC MAINS:
  - ALL FITTINGS WHICH ARE TO BE BURIED SHALL BE PROTECTED BY:
    - POLYETHYLENE SLEEVING PROVIDED IF FITTING IS ASSOCIATED WITH AN ANCHOR BLOCK.
    - TAPE EXTRA SLEEVING ON FITTINGS WHERE ANCHOR BLOCK WILL CONTACT FITTING.
  - OR
    - PETROLATUM TAPE SYSTEM IN ACCORDANCE WITH TS 18.
    - PE FITTINGS - ONLY FLANGES NEED CORROSION PROTECTION.
- WHERE THE RESTRAINED JOINTING SYSTEM IS USED THE SPECIALLY MARKED "RESTRAINED JOINT SYSTEM" MARKING TAPE SHALL BE USED.

#### REVISION PANEL

REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

#### DESIGN PANEL

DESIGNED: 28/09/15	AUTHORISED:
RJP	
DRAWN: 16/11/15	SIGNATURE:
MS	
REVIEWED: 21/03/16	
TG	



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.

SA WATER STANDARD DRAWINGS  
WATER SUPPLY CONSTRUCTION MANUAL  
SLEEVING OF  
DICL PIPE FITTINGS

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: C1, C2	
DRAWING NUMBER	
4005-30005-01	
PREFIX	NUMBER SHEET