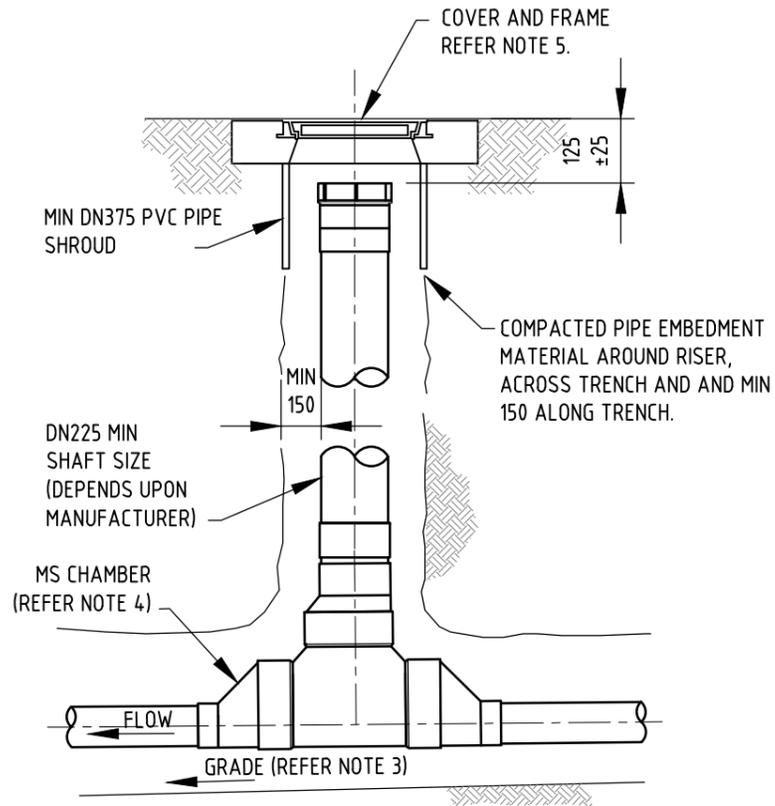
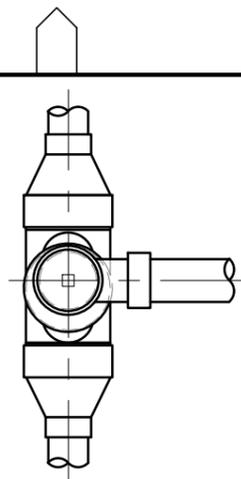


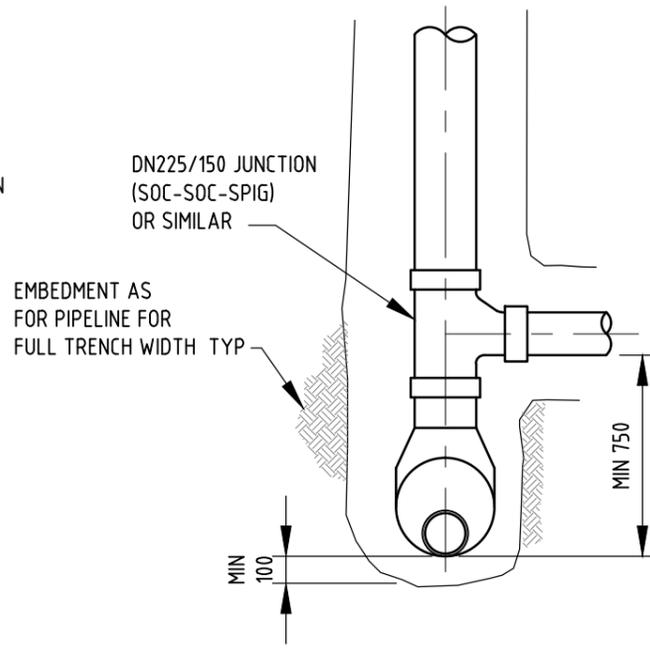
PLAN



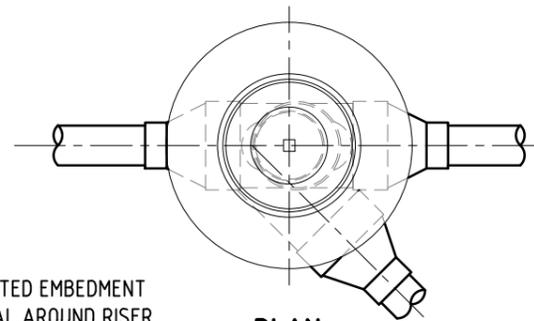
ELEVATION  
MAINTENANCE SHAFT (MS)



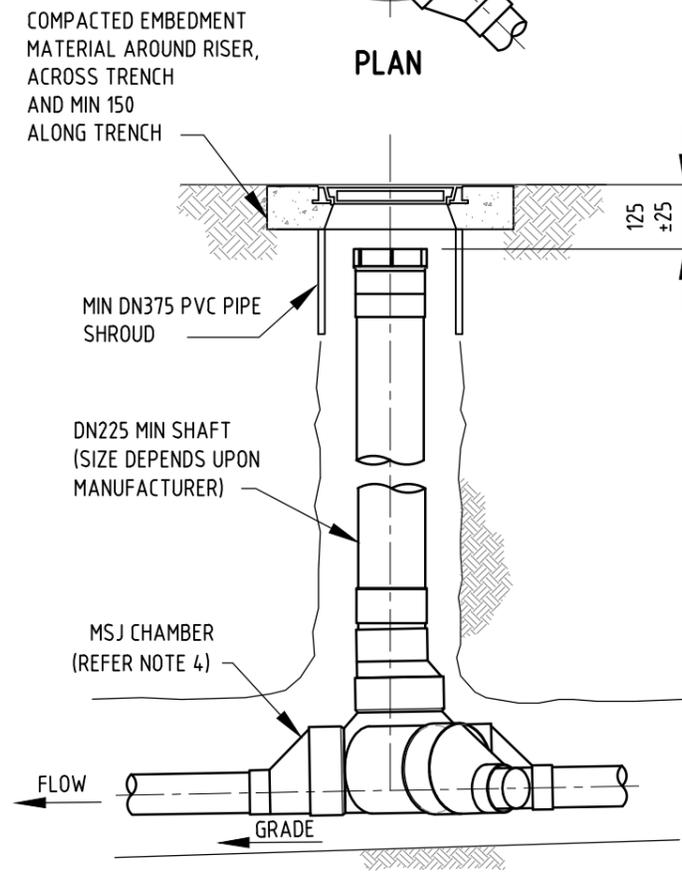
PLAN



END ELEVATION  
PLAIN RISER SHAFT



PLAN



ELEVATION  
MAINTENANCE SHAFT JUNCTION (MSJ)

**NOTES:**

1. REFER 4005-20002-01 TO 4005-20002-03 FOR GENERAL NOTES.
2. FOR 'DROP JUNCTION' OPTION, MAX 2 PROPERTY CONNECTIONS PERMITTED.
3. ADJUST MS TO PIPE GRADE BY TILTING CHAMBER. MAX DEVIATION FROM VERTICAL OF THE RISER TO BE 1:10 OR A MAXIMUM OF 300 AT SURFACE. USE KICKER BEND IF REQUIRED TO ADJUST RISER TO VERTICAL.
4. MAINTENANCE SHAFT & COMPONENTS (BASE, SHAFT, JUNCTIONS ETC.) SHALL BE OBTAINED FROM ONE MANUFACTURER & SHALL NOT BE MIXED.
5. FOR LID & COVER TYPE REFER APPROVED PRODUCTS GRAVITY AND PRESSURE SEWER SYSTEMS. INSTALLATION SHALL BE AS PER 4005-20005-04.
6. MAINTENANCE SHAFTS SHALL ONLY BE PERMITTED UP TO A MAXIMUM DEPTH TO INVERT OF 5000.
7. ALL DIMENSIONS IN MILLIMETRES.

REVISION PANEL					
REV	DATE	DRN	DETAILS	APR	CURRENT REV AUTHORISED:
1	31/03/16	MS	2016 STANDARDS REVIEW	TG	

DESIGN PANEL			
DESIGNED:	03/08/15	AUTHORISED:	31/03/16
	RJP		T.GALEK
DRAWN:	25/09/15	SIGNATURE:	
	MS		
REVIEWED:	21/03/16		
	TG		

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**SA WATER STANDARD DRAWINGS  
SEWER CONSTRUCTION MANUAL  
MAINTENANCE SHAFT  
INSTALLATION**

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 02-0291-01 (L18)	
DRAWING NUMBER	
4005-20005-09	
PREFIX	NUMBER SHEET