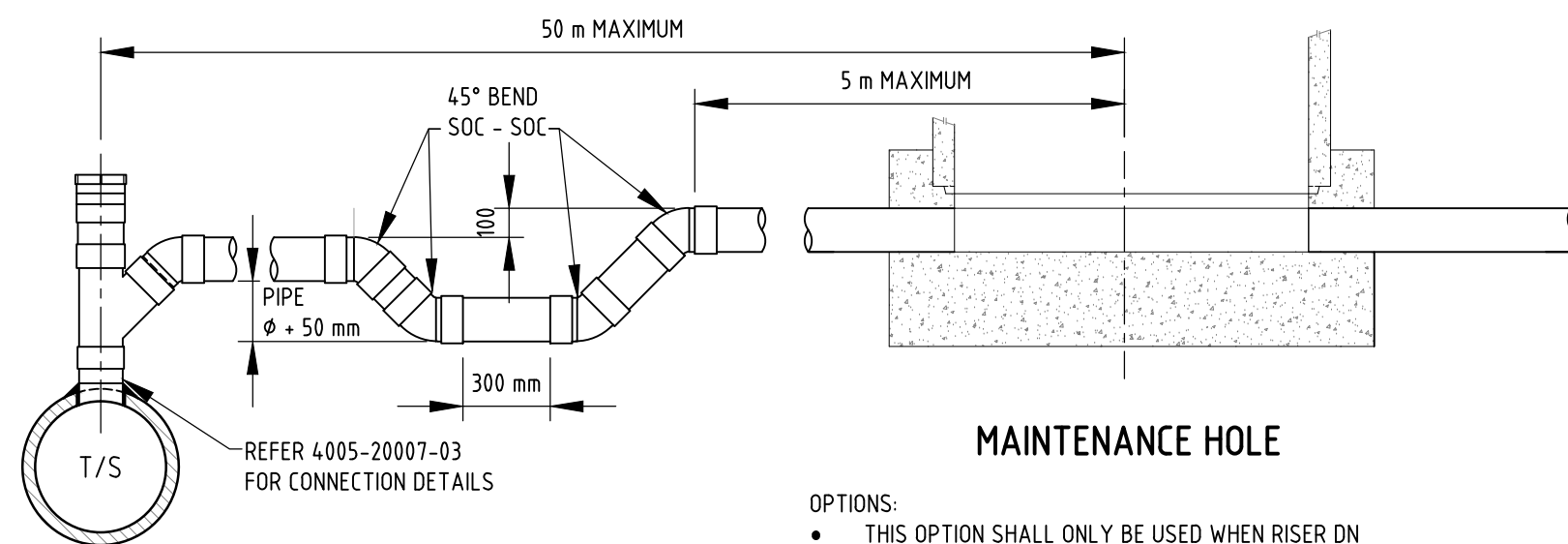


MAINTENANCE HOLE

MAINTENANCE SHAFT




MAINTENANCE HOLE

- OPTIONS:
- THIS OPTION SHALL ONLY BE USED WHEN RISER DN  $\leq$  50% OF TRUNK SEWER DN
  - MS OR MH FOR DN150 AND DN225 BRANCH SEWERS
  - MH FOR DN300 AND DN375 BRANCH SEWERS

NOTES:

1. REFER 4005-20002-01 & 4005-20002-02 FOR GENERAL NOTES.
2. WATER SEALS:
  - WATER SEALS SHALL BE CONSTRUCTED ON BRANCH SEWERS UP TO AND INCLUDING DN375, WHICH FLOW INTO TRUNK SEWERS DN450 AND LARGER.
  - WATER SEALS SHALL BE LAID AT A FLAT GRADE. THE REMAINDER OF THE SEWER SHALL BE LAID ON THE DESIGNED GRADE.
  - OPTIMUM WATER SEAL DEPTH SHALL BE PIPE DIAMETER + 50 mm FOR ALL PIPE DIAMETERS.
  - WATER SEALS CAN BE FACTORY FABRICATED FROM PIPE SECTIONS (TO THE CONFIGURATION SHOWN) PARTICULARLY WHERE THE USE OF STANDARD BENDS RESULTS IN THE OPTIMUM WATER SEAL DEPTH BEING EXCEEDED.
3. JUNCTION OF SEWERS:
  - FOR BRANCH SEWERS UP TO AND INCLUDING DN300 THE JUNCTION OF SEWERS SHALL BE CONSTRUCTED 'TOP TO TOP'. (IN SPECIAL CIRCUMSTANCES AND DEPENDING ON SEWAGE FLOWS, THE SA WATER REPRESENTATIVE MAY DIRECT THAT THE JUNCTION BE CONSTRUCTED 'FLOW-LINE TO FLOW-LINE'.)
  - FOR BRANCH SEWERS LARGER THAN DN300 THE JUNCTION OF SEWERS SHALL BE CONSTRUCTED 'FLOW-LINE TO FLOW-LINE'.
4. PIPE MATERIALS:
  - APPROVED UPVC SOLVENT WELD PIPES.
  - APPROVED UPVC RIBBED PIPES FITTED WITH DUAL RUBBER RINGS AT EACH JOINT.
  - OTHER APPROVED PIPE MATERIALS (EG. VITREOUS CLAY AND CONCRETE PIPES).

REVISION PANEL					DESIGN PANEL			SA WATER STANDARD DRAWINGS SEWER CONSTRUCTION MANUAL WATER SEAL ASSEMBLY DETAILS BRANCH SEWER MAIN INTO TRUNK SEWER MAIN			A3 SHT SIZE		1 REVISION
REV	DATE	DRN	DETAILS	APR	CURRENT REV	AUTHORISED:					TOTAL SHEETS:		
						DESIGNED: 03/08/15	AUTHORISED: 31/03/16	<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>			SUPERSEDES: 96-0059-01 (H1)		
						RJP	T.GALEK				DRAWING NUMBER		
						DRAWN: 25/09/15	SIGNATURE:				4005-20007-01		
						MS					PREFIX NUMBER SHEET		
1	31/03/16	MS	2016 STANDARDS REVIEW	TG		REVIEWED: 21/03/16	TG						