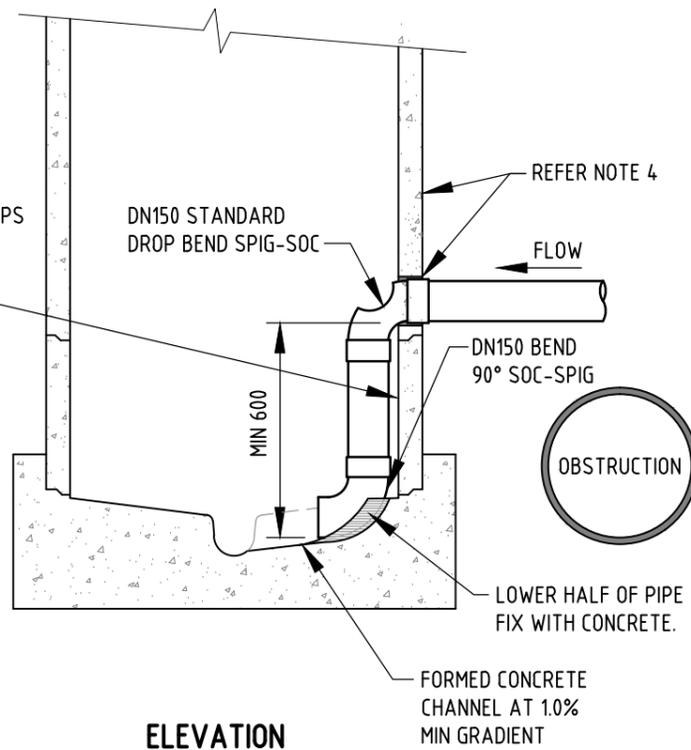
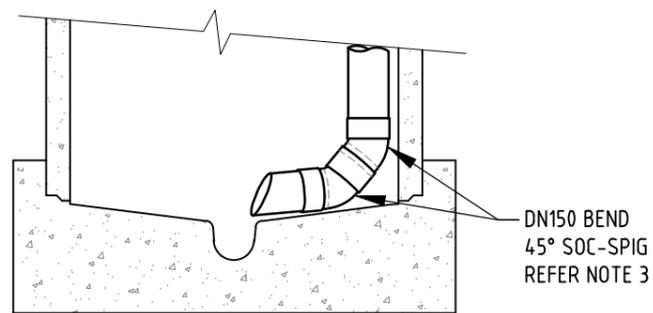


IF JUMP UP LARGER THAN 900,
FIX PIPE TO WALL WITH
GRADE 316 STAINLESS STEEL STRAPS
AND STAINLESS STEEL ANCHORS
AT TOP AND BOTTOM AND
AT MAX OF 750 INTERVALS.

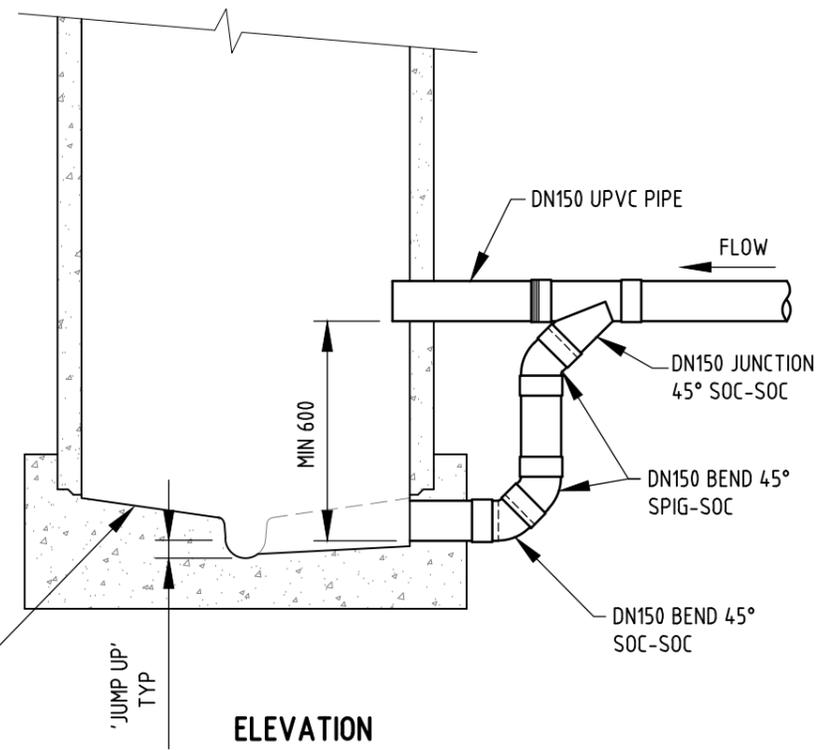


ELEVATION
NEW MAINTENANCE HOLE
INTERNAL JUMP UP OPTION
(PREFERRED)



ELEVATION
EXISTING MAINTENANCE HOLE
INTERNAL JUMP UP OPTION

FOR CHANNEL AND
BENCH DETAIL
INCLUDING 'JUMP UP'
REFER 4005-20005-06



ELEVATION
NEW MAINTENANCE HOLE
EXTERNAL JUMP UP OPTION

NOTES:

1. REFER 4005-20001-01 TO 4005-20001-03 FOR GENERAL NOTES.
2. THE INTERNAL JUMP UP OPTION SHALL BE PREFERRED METHOD. THE EXTERNAL JUMP UP OPTION IS SUBJECT TO APPROVAL BY SA WATER REPRESENTATIVE.
3. DISCHARGE PIPE TO BE TURNED TO DIRECT SEWAGE IN DIRECTION OF MAIN FLOW.
4. REFER TO 4005-20005-03 FOR MAINTENANCE HOLE TYPICAL PRECAST STRUCTURE ASSEMBLY DETAILS AND INSTALLATION OF THE PIPE THROUGH THE WALL.
5. EXTERNAL JUMP UP: FOR STEEP SEWER GRADIENTS, USE ADDITIONAL BEND(S) TO ENSURE 'JUMP UP' REMAINS VERTICAL.
6. MAXIMUM OF 2 INTERNAL JUMP-UPS PER MAINTENANCE HOLE IS PERMITTED.
7. ALL DIMENSIONS IN MILLIMETRES.

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

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

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SA WATER STANDARD DRAWINGS
SEWER CONSTRUCTION MANUAL
MAINTENANCE HOLE
WITH JUMP UP INTERNAL/ EXTERNAL
OPTIONS

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: L11, L12	
DRAWING NUMBER	
4005-20005-08	
PREFIX	NUMBER SHEET