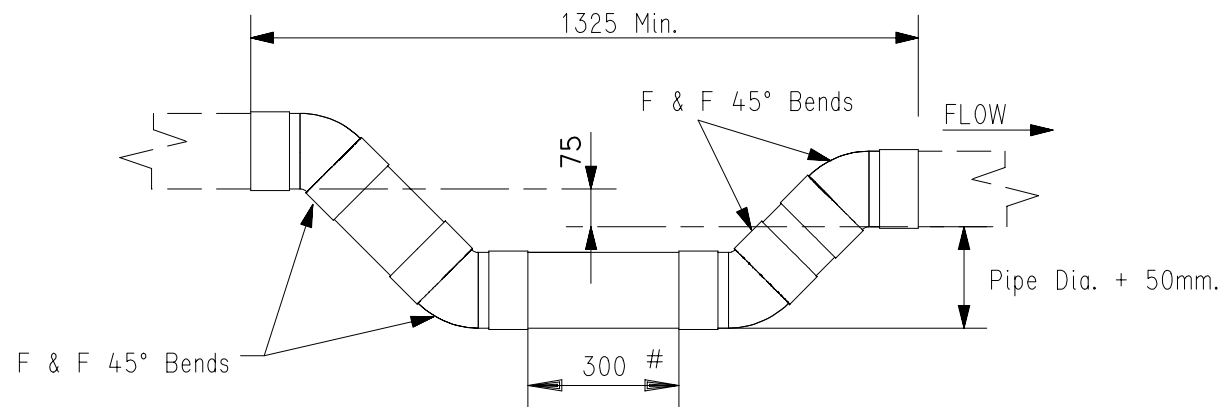


DN 100 WATER SEAL

- # Minimum dimension to facilitate access for maintenance equipment.
- ## 45° bends shall only be used where space is limited and where approved by the Superintendent's Representative.



DN 150 WATER SEAL

- # Minimum dimension to facilitate access for maintenance equipment. (Note 30° bends not available for DN 150 pipe).

NOTES

1. Water seals are to be constructed on connections which flow into sewers DN 450 and larger.
2. Water seals are to be constructed adjacent and downstream of the connection I.P.
3. Optimum water seal depth to be Pipe Dia. + 50mm, for all connection pipe diameters. (Greater depths may result in settlement of solids during low flows, choking the water seal).
4. Water seals are to be laid at the connection gradient (providing the Max. gradient does not exceed 5%) and with the outlet level 75mm lower than the inlet level.
5. Minimum connection gradient is 2.00% for DN 100 and 1.00% for DN 150.
6. Connection length not to exceed 30 metres. For connections over 20 metres, an intermediate IP shall be installed to the surface at mid length.
7. Embedment and Trench Fill to be similar to that for a DN 150 UPVC sewer, as detailed in SCM Section 'G'.

Only "AUTHORISED" items shall be used in the Sewer System.

PIPE MATERIALS

- Details on this drawing are applicable to connections using:-
- * approved UPVC plain wall pipes with solvent cement joints, and
 - * approved UPVC ribbed pipes fitted with dual rubber rings at each joint.

Chg	A	Amendment - 13-6-96	Des	J.I.S.	Amendment Authorisation
Drn	C.S.	1. Title Block amended	Drn	C.S.	R.M.Jones
Ckd		2. Note 6 amended	Exm		Executive Manager 14/6 /96
Unit Ldr.			Unit Ldr.		ENGINEERING GROUP

SOUTH AUSTRALIAN WATER CORPORATION

SA WATER

SEWER CONSTRUCTION MANUAL PAGE K11
DN 100 & 150 UPVC
WATER SEALS ON CONNECTIONS

Not to Scale

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