

1. AUTHORISED ITEMS

Only 'AUTHORISED' items shall be used in the Wastewater Collection Systems.

2. ACCESS CHAMBER SELECTION

In selecting the appropriate Access Chamber, the following limitations apply:-

- * sufficient bench space to facilitate safe working conditions.
- * all tangent points of bends and branches are contained within the Access Chamber.

900 ID - limited to sewers up to and including DN 300, and max. depth of 1.0m

1050 ID)

1200 ID) - limited to sewers up to and including DN 600, and max. depth of 6.0m

1400 ID)

1500 ID - 'Control' Access Chamber for pumping stations.

'Lightweight' AC - limited to DN 150 sewers in easements with restricted access.

For Access Chambers on DN 675 and 750 sewers, see SCM Page L13.

For sewers deeper than 6.0m and for sewers greater than DN 750, Access Chamber details shall be determined by the Manager Water and Wastewater Systems.

3. CONCRETE

Concrete for poured insitu Access Chambers to be Grade N32 in accordance with AS 1379.

4. CONCRETE FINISH

Bench surface to be a 'textured' finish which prevents slipping.
Channel surfaces of Access Chambers to be Class 2 finish in accordance with AS 3610.

5. PROVISION FOR GROUND WATER

Where ground water/seepage water is likely to enter the sewer trench, a continuous trench drainage system (eg french drain or pipe) shall be provided around or beneath the Access Chamber base.

6. PREPARATION OF FLOOR OF EXCAVATION

The floor of the excavations shall be trimmed to horizontal and compacted to not less than 95% of the Standard Maximum Dry Density of the material (AS 1289.1.1) for a minimum depth of 150.

Where this is not achievable, specialist geotechnical advice shall be sought for the specific site and soil conditions.

All specialist geotechnical proposals shall be submitted in writing to the Site Engineer for assessment and agreement, before field work proceeds.

7. SEWER EMBEDMENT AND TRENCH FILL

All embedment materials, trench fill materials and compaction requirements shall be in accordance with SCM Section 'G'.

8. BACKFILL AND REINSTATEMENT AROUND ACCESS CHAMBERS

Back fill materials and degrees of compaction shall be in accordance with the appropriate SCM Section 'G' drawing of this manual, for the particular location:-

- * 'SEALED AND UNSEALED NON-RTA ROADS'
- * 'EASEMENTS AND TRACKS'
- * 'ALL ROAD TRANSPORT AGENCY ROADS'

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Chg	Amendment - UPDATED 12-6-96	Des	JIS		R.M.Jones Executive Manager 14 / 6 / 96 ENGINEERING GROUP	SOUTH AUSTRALIAN WATER CORPORATION  SA WATER	SEWER CONSTRUCTION MANUAL PAGE L1 ACCESS CHAMBERS AND INSPECTION OPENING GENERAL NOTES	Not to Scale
Drn		Drn	C.S.					
Ckd		Exm						
Unit Ldr.		Unit Ldr.						
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