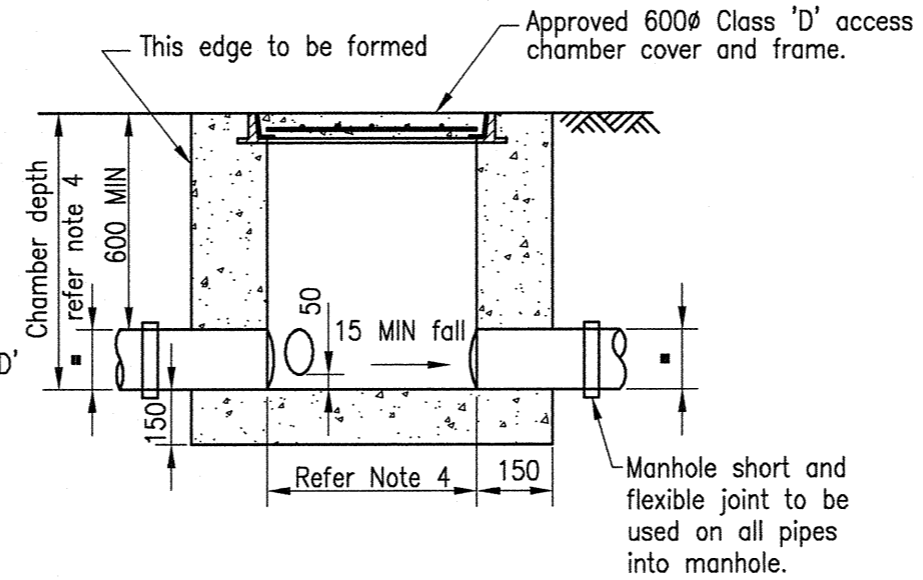


PLAN



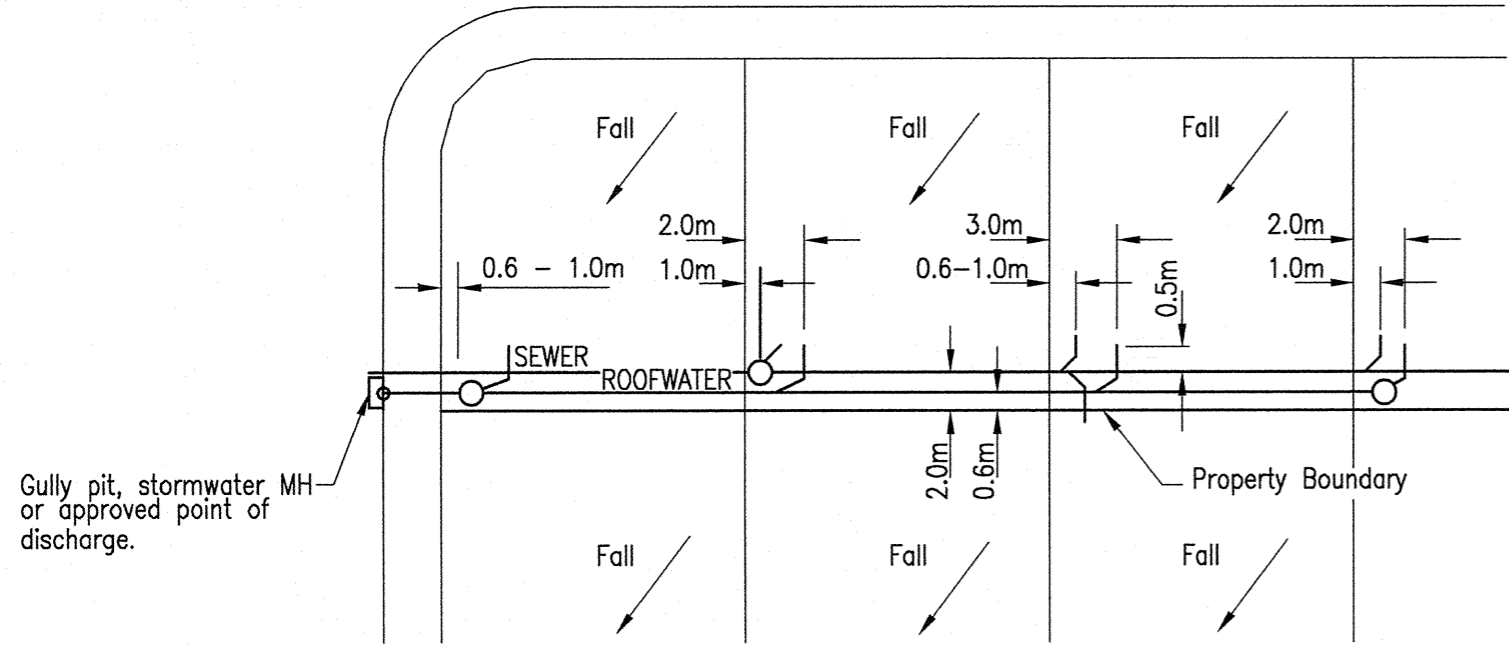
SECTION

**CAST INSITU ROOFWATER INSPECTION CHAMBER**

**NOTES**

- Roofwater systems are to be connected to stormwater pits or access chambers. Where the system is to be connected to kerb and channel one property can be connected via a 100 Class SH uPVC pipe or a 100 x 75 R.H.S. to AS 1163 and galvanised to AS 4792 to a kerb adaptor. A Maximum of two properties can be connected via a 200 x 75 R.H.S. to AS 1163 and galvanised to AS 4792.
- The pipe materials and joint types shall be as follows:
 

Material	Aust. Std	Joint Type
Fibre reinforced, Class 2	AS 4139	Rubber Ring
Concrete, Class 2	AS 4058	Rubber Ring
uPVC, Sewer Class SH	AS 1260	Solvent welded
- Minimum cover to roofwater pipes to be 600mm except where less cover is necessary to discharge to kerb and channel.
- The access chamber depths and minimum diameters shall be as follows:  
 Depth < 750 – MIN  $\phi$ 600, Depth 750 – 1500 – MIN  $\phi$ 900, Depth > 1500 – MIN  $\phi$ 1050  
 For roofwater chambers >900 Dia. roof design is to be in accordance with I.C.C Std. Drg. SD.03.
- Alternative designs, materials and methods of construction will be considered for approval including precast roofwater chambers on written approval from Council's Engineers. Alternative precast units will require to be bedded and encased in 150 thick concrete (Grade N25) up to 150 above crown of the inlet pipe with all subsequent backfill compacted to 95% MON (modified compaction to AS 1289) to ensure stability and robustness.
- Alternative covers and frames proposed for approval must be circular, and be designed as Class D to AS 3996.
- Concrete, base N25, cover infill N32 in accordance with AS 1379 and AS 3600.
- The roofwater drainage system shall be shown on the stormwater drainage and sewer reticulation plans for the development.
- Roofwater inspection chambers shall be constructed at change of grade, direction, pipe size and at end of line.
- Where individual lots can directly discharge to the kerb and channel, kerb adaptors shall be used. Refer Standard Drawing SR.15.
- All dimensions are in millimetres.
- Plastic marker tape (Stormwater) shall be connected from roofwater connection point to wooden peg at ground level. Roofwater connection points to be constructed as per sewer connection points.



**ROOFWATER DRAINAGE AND SEWER ALIGNMENT DETAIL**

**LEGEND**

- Refer project drawings for pipe diameter and type

REVISIONS					
AMENDMENT	INITIALS	DATE	AMENDMENT	INITIALS	DATE
F				L	
E				K	
D				J	
C				I	
B				H	
A				G	

Notes 1 and 2 Aust. Stds. Updated.  
 ORIGINAL ISSUE

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APPROVED  
  
 CHIEF OPERATING OFFICER (ES)  
 DATE 14.9.10

**STANDARD DRAWING**

**ROOFWATER INSPECTION CHAMBER AND DETAILS**

DRAINAGE  
**SD.12**  
 REV: B DRAWER: 100