





STORMWATER NOTES

- 1. All roof collection components (ie gutters / DPs etc)are to be located / sized by the Developments contracting Plumber for a 1% AEP event capacity.
- 2. IO indicates inspection opening.
- 3. All pipes to be uPVC to AS 1254:2002.
- 4. All pipes to be laid at the grade required to match pit invert levels.
- 5. All pipes to be installed and laid in accordance with AS 3500.3:2003.
- 6. All roof guttering/ down pipes / valley gutters / box gutters etc are to be sized and installed in accordance with AS 3500.3:2003.
- 7. All pits are to be proprietary uv resistant polypropylene or similar unless noted (approved by the Engineer)and are to include a min 50mm sediment trap in the base and a maximesh screen laid at 45' across the pit to protect the oulet pipe.
- 8. All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
- 9. All pits greater than 1000mm in depth are to have adequate access requirements in accordance with OH&S/Workcover requirements (ie; minimum dimensions 900x900mm with step irons).
- 10. All works are to be inspected and certified by the Principle Certifying Authority prioir to backfilling.
- 11. All works requiring certification by the Engineer will require a works as executed survey prepared by a registered Surveyor detailing all levels etc as on the Engineering plans.
- 12. The system is too be flushed and cleaned of all sediment and debris annually.
- 13. The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
- 14. To ensure the system's ability to function is maintained it is to be inspected and certified as operating effectively by a licensed plumber every 5 years, and a engineer every 20yrs.
- 15. All existing predevelopment catchment area run-off conditions exiting the site are to be maintained with no run-off flows being diverted from the predevelopment condition.

NGI Pipe laid as per AS/NZ 3500.3:2330 Anchor block as per Spec

> ANCHOR BLOCK DETAIL nts

AS/NZ3500.3:2003 Excerpt

8.10 ANCHOR BLOCKS Where the gradient of a site stormwater drain exceeds 1:5, anchor blocks shall be installed-

(a) at the bend or junction at the top and bottom of the inclined site stormwater drain (see Figure 8.10); and (b) at intervals not exceeding 3 m.

Anchor blocks for such drains shall be of reinforced concrete-(i) with a thickness of not less than 150 mm:

(ii) with steel reinforcement for such drains of nominal sizes-(A) DN 100 or DN 150, two bars of not less than 10 mm diameter bent to a radius

of about 200 mm or 250 mm, respectively and placed as shown in Figure 8.10.

(B) greater than DN 150, shall be designed by a suitably qualified competent person;

slots / m

150mm dia uPVC

with 10x5mmx20mm

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