## STORMWATER NOTES

- 1. All roof collection components (ie slab drainage, rain heads, gutters, DPs etc) are to be located / sized by the contracting Plumber for a 5% AEP event capacity. For example a QUAD 150 gutter draining to a 100mm dia dp will service 40m2 of roof area.
- 2. All Trunk Drainage pipes as shown on this plan to be minimum of 100mm dia uno.
- 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, including the installation of anchors blocks if the pipe slope is > 1V to 5H.
- 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.

300 x 300

grated pit

HUDS

Dispersion Trench

direct flows to

Hudson Park

across rear yard to

113'25

13'83

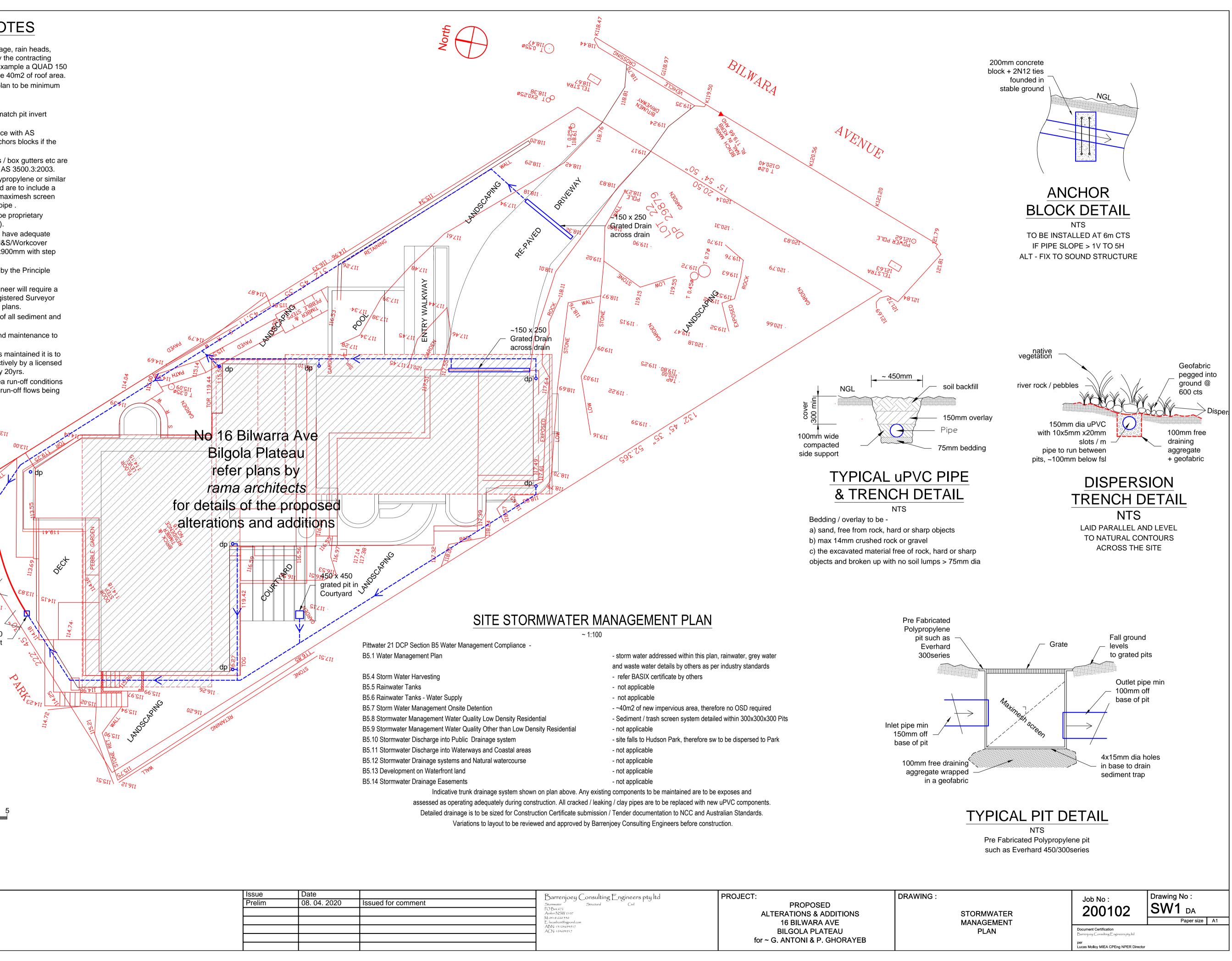
300 x 300

grated pit

0115'33 10'50

113'58

No 16 Bilwarra Ave Bilgola Plateau refer plans by rama architects



Issue	Date
Prelim	08. 04. 2020

Issued for comment	Barrenjoey Consulting Engineers pty ltd Stormwater Structural Civil PO Box 672 Avalon NSW 2107 M: 0418 620 330 E: lucasbce@bigpond.com ABN: 13124694917 ACN: 124694917	PROJECT: PROPOSED ALTERATIONS & ADDITIONS 16 BILWARA AVE BILGOLA PLATEAU for ~ G. ANTONI & P. GHORAYEB	DI
		for ~ G. ANTONI & P. GHORAYEB	