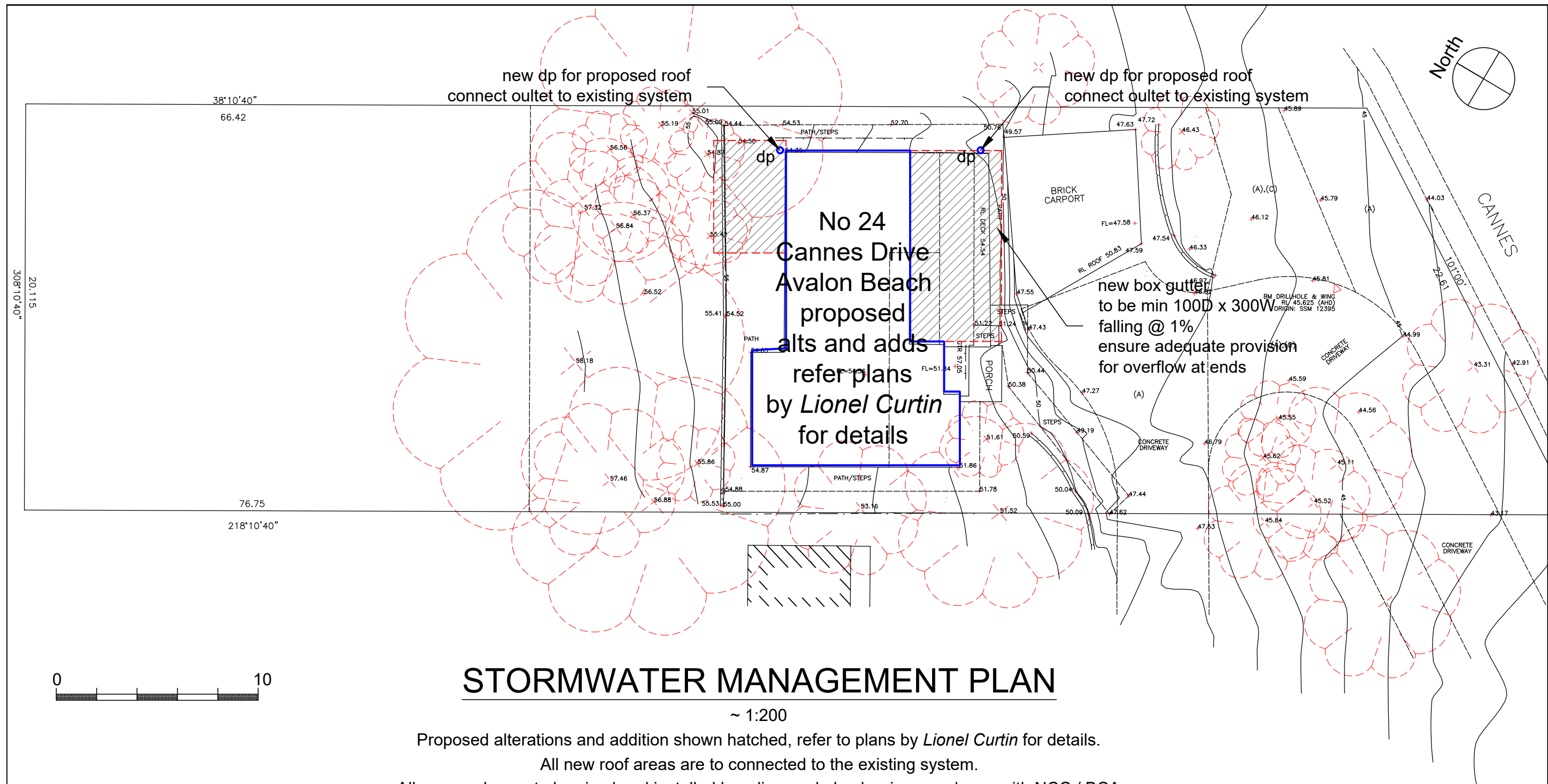




STORMWATER MANAGEMENT PLAN

~ 1:200

Proposed alterations and addition shown hatched, refer to plans by *Lionel Curtin* for details.

All new roof areas are to be connected to the existing system.

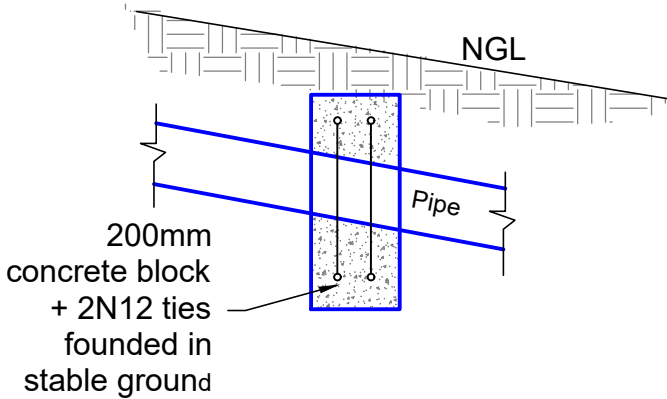
All new works are to be sized and installed by a licensed plumber in accordance with NCC / BCA requirements and AS3500.3 specifications. Any existing system is to be identified and assessed / certified as operating satisfactorily by a licensed plumber during construction with all leaking/damaged etc components being repaired/replaced, including replacing any clay pipes with uPVC.

A regular inspection and servicing schedule is to be adopted to ensure the continued system effectiveness.

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 24 CANNES DRIVE AVALON BEACH	DRAWING : STORM WATER MANAGEMENT PLAN	Job No : 220604 Document Certification Barrenjoey Consulting Engineers pty ltd per Director Lucas Molloy MIEA CPEng NER	Drawing No : SW1 <i>JUNE 2022</i>
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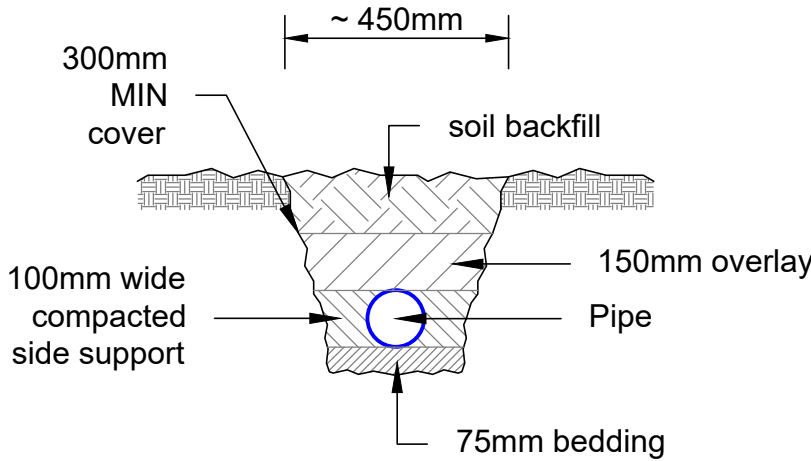
STORMWATER NOTES

- 1. All roof collection components (ie gutters / DPs etc) are to be located / sized by the Developments contracting Plumber for a **5% AEP** event capacity. (70m2 roof area per 125mm dp via gutter 12800mm2 @ 1:200min).
- 2. Trunk lines shown on plan to be 150mm dia uPVC.
- 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 outlet 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 prior 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 to 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.
- 16. Flows from upstream properties entering the site are to be monitored during construction and diverted about the OSD system / residence etc as required.



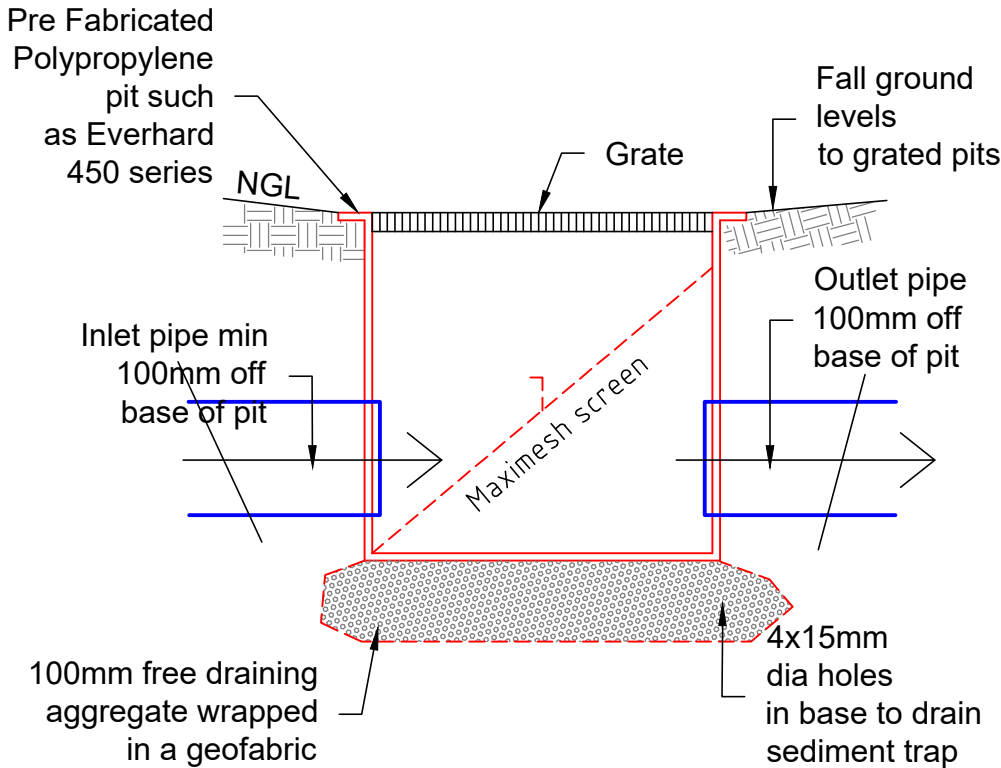
ANCHOR BLOCK
DETAIL

TO BE INSTALLED AT 6m CTS
IF PIPE SLOPE > 1V TO 5H



TYPICAL PIPE
& TRENCH DETAIL

~ 1 : 20



TYPICAL PIT DETAIL

NTS

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ABN: 13124694917
ACN: 124694917

PROJECT:

PROPOSED
ALTERATIONS & ADDITIONS
24 CANNES DRIVE
AVALON BEACH

DRAWING :

STORM WATER
MANAGEMENT
DETAILING 1

Job No :
220604
Drawing No :
SW2
Document Certification
Barrenjoey Consulting Engineers pty ltd
per
Director
Lucas Molloy MIEA CPEng NER
JUNE 2022