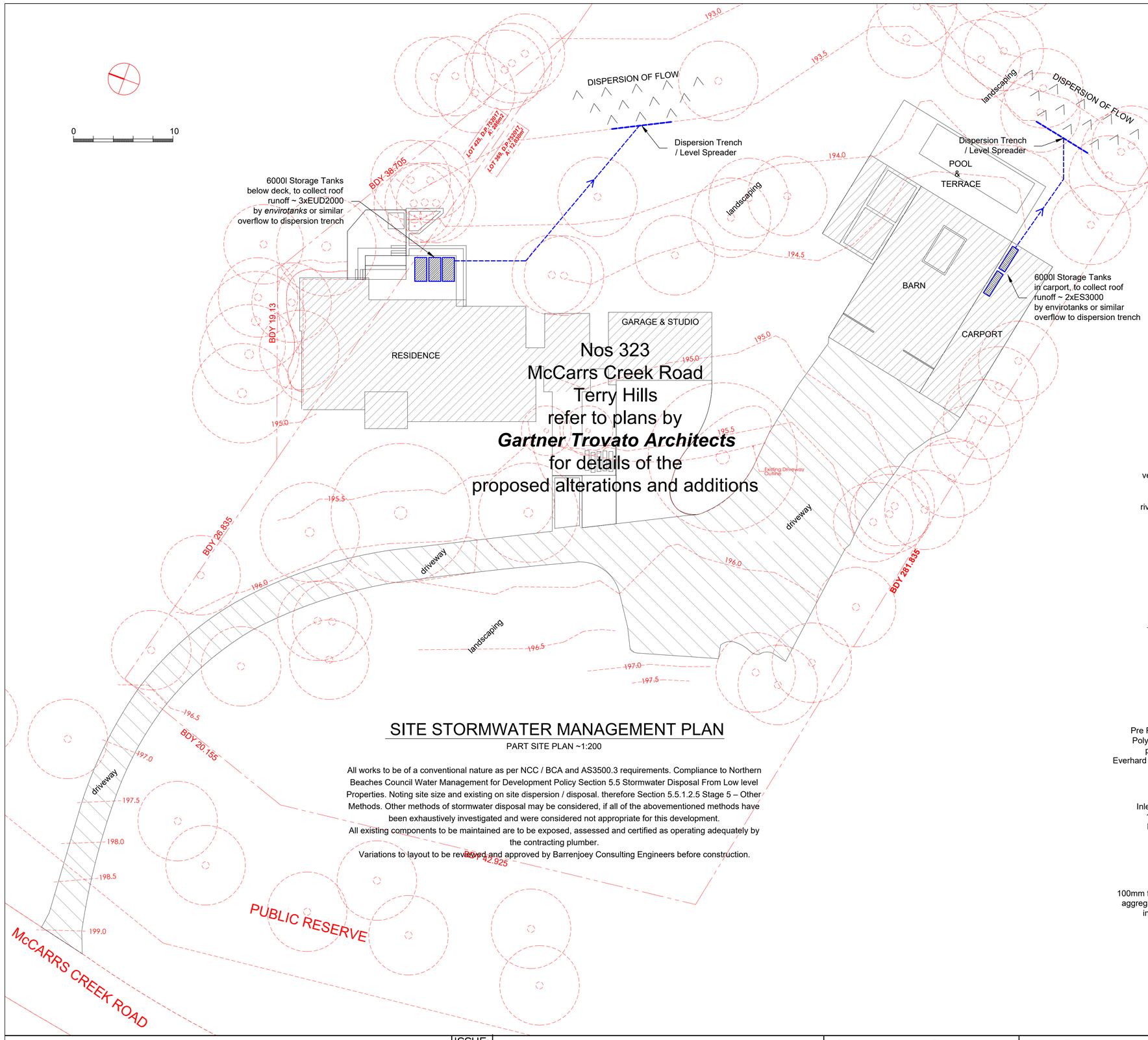
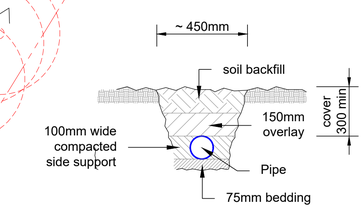


Nos 323
McCarrs Creek Road
Terry Hills
refer to plans by
Gartner Trovato Architects
for details of the
proposed alterations and additions

SITE STORMWATER MANAGEMENT PLAN

PART SITE PLAN ~1:200

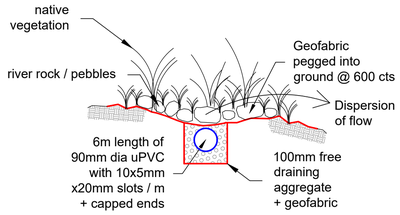
All works to be of a conventional nature as per NCC / BCA and AS3500.3 requirements. Compliance to Northern Beaches Council Water Management for Development Policy Section 5.5 Stormwater Disposal From Low level Properties. Noting site size and existing on site dispersion / disposal. therefore Section 5.5.1.2.5 Stage 5 – Other Methods. Other methods of stormwater disposal may be considered, if all of the abovementioned methods have been exhaustively investigated and were considered not appropriate for this development.
All existing components to be maintained are to be exposed, assessed and certified as operating adequately by the contracting plumber.
Variations to layout to be reviewed and approved by Barrenjoey Consulting Engineers before construction.



TYPICAL PIPE & TRENCH DETAIL

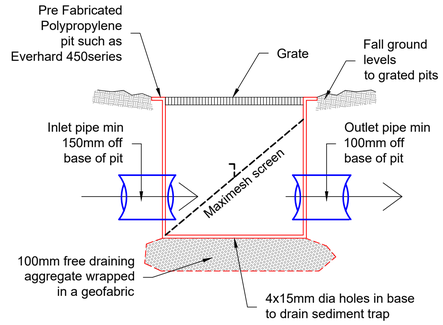
~ 1 : 20

Bedding / overlay to be -
a) sand, free from rock, hard or sharp objects
b) max 14mm crushed rock or gravel
c) the excavated material free of rock, hard or sharp objects and broken up with no soil lumps > 75mm dia



DISPERSION TRENCH / LEVEL SPREADER DETAIL

NTS
LAID PARALLEL AND LEVEL TO NATURAL CONTOURS ACROSS THE SITE



TYPICAL PIT DETAIL

NTS

STORMWATER NOTES

1. All roof collection components (ie gutters / DPs etc)are to be located / sized by the Developments Hydraulic Consultant for a 5% AEP event capacity.
2. All Trunk Drainage pipes, as shown on this plan are to be minimum of 90mm 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.
6. Thrust blocks to be installed to the trunk drainage pipes in accordance with AS 3500.3:2003.
7. All roof guttering/ down pipes / valley gutters / box gutters etc are to be sized and installed in accordance with AS 3500.3:2003.
8. 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 .
9. All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
10. All pits greater than 1000mm in depth are to have adequate access requirements in accordance with OH&S/Workcover requirements (ie; minimum dimensions 900x600mm with step irons).
11. All works are to be inspected and certified by the Principle Certifying Authority prioir to backfilling.
12. 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.
13. The system is too be flushed and cleaned of all sediment and debris annually.
14. The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
15. 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.

A1

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PROJECT:
PROPOSED
ALTERATIONS AND ADDITIONS
323 McCARRS CREEK RD
TERRY HILLS

DRAWING :
STORMWATER MANAGEMENT PLAN

Job No : 210907

Drawing No SW1 DA

Document Certification
Barrenjoey Consulting Engineers pty ltd
per
Lucas Molloy MIEA CPEng NER Director
SEPT '21