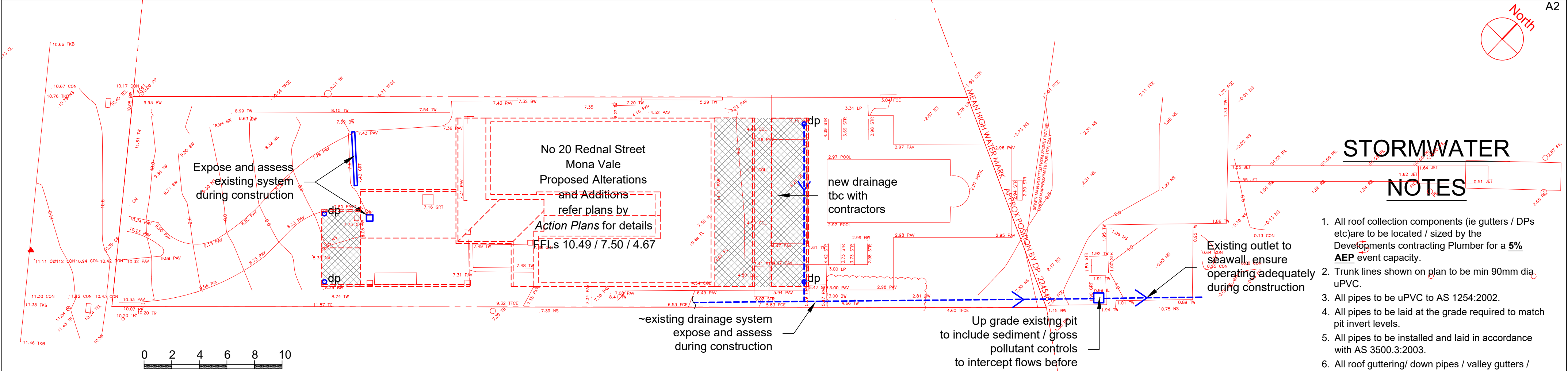


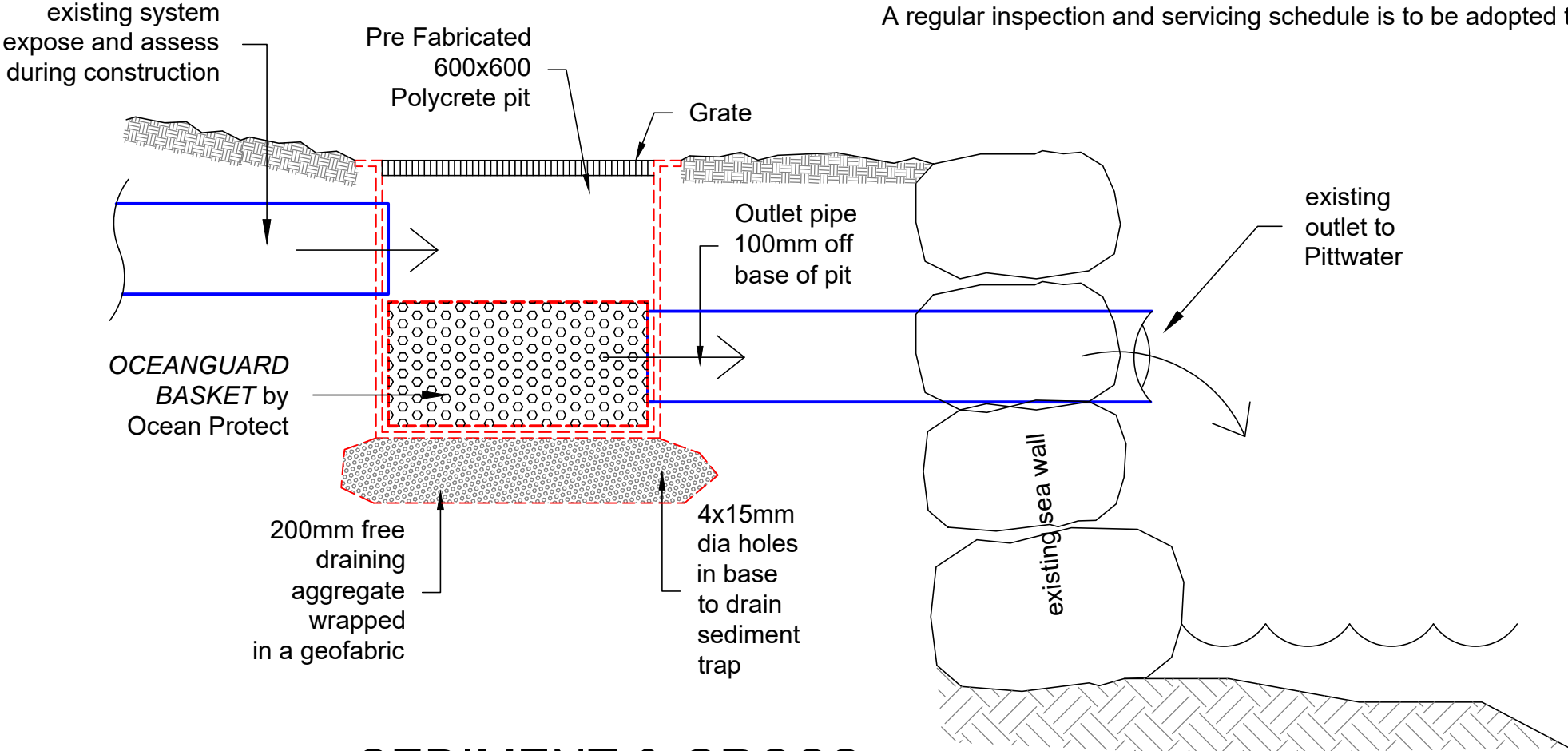


STORMWATER MANAGEMENT PLAN

~ 1:200

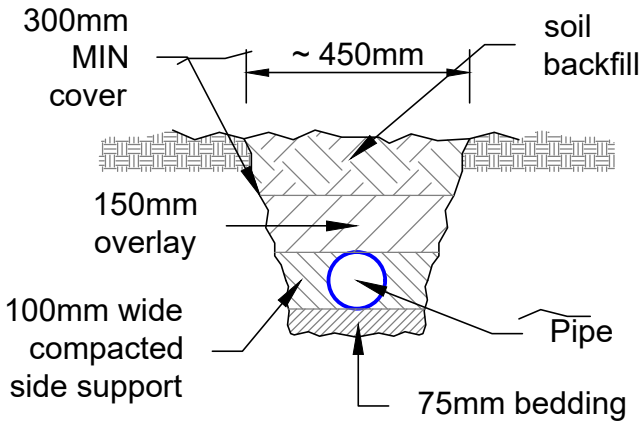
Proposed alterations and addition shown cross hatched, refer to plans by ACTION PLANS for details.

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 new pit is to be installed to intercept collected flows before discharge to the seawall on the Pittwater foreshore. A regular inspection and servicing schedule is to be adopted to ensure the continued system effectiveness.



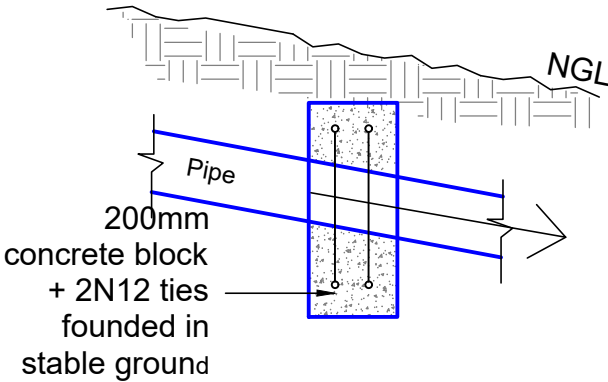
SEDIMENT & GROSS POLLUTANT CONTROL PIT DETAIL

NTS



TYPICAL PIPE & TRENCH DETAIL

~ NTS



ANCHOR BLOCK DETAIL

TO BE INSTALLED AT 6m CTS IF PIPE SLOPE > 1V TO 5H AND AT CHANGE IN GRADE OF PIPE ALT SOUNDLY FIX PIPE TO ROCK / CONCRETE STRUCTURE

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.
2. Trunk lines shown on plan to be min 90mm 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 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.
16. Flows from upstream properties entering the site are to be monitored during construction and diverted about the OSD system / residence etc as required.

ISSUE:		
05. 01. 2024	Prelim	issued for comment
12. 09. 2024	DA	issued for DA with revised architectural

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PROJECT:
PROPOSED ALTERATIONS & ADDITIONS
20 REDNAL STREET
MONA VALE

DRAWING :
STORMWATER MANAGEMENT PLAN

Job No : 231203	Drawing No : SW1 DA
Document Certification	
Barrenjoey Consulting Engineers Pty Ltd	
per Lucas Molloy MIEA CP Eng NER Director	09'24