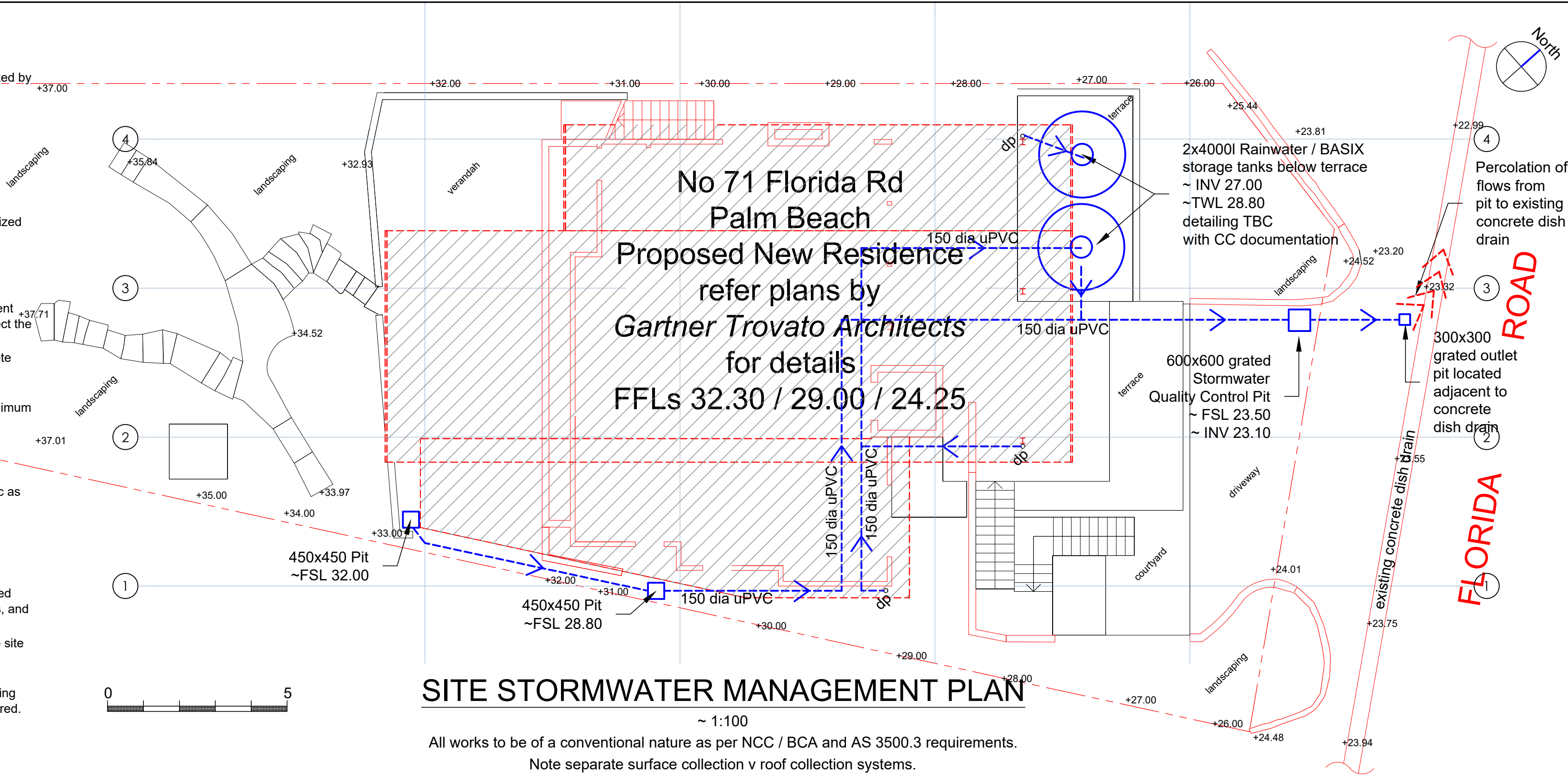


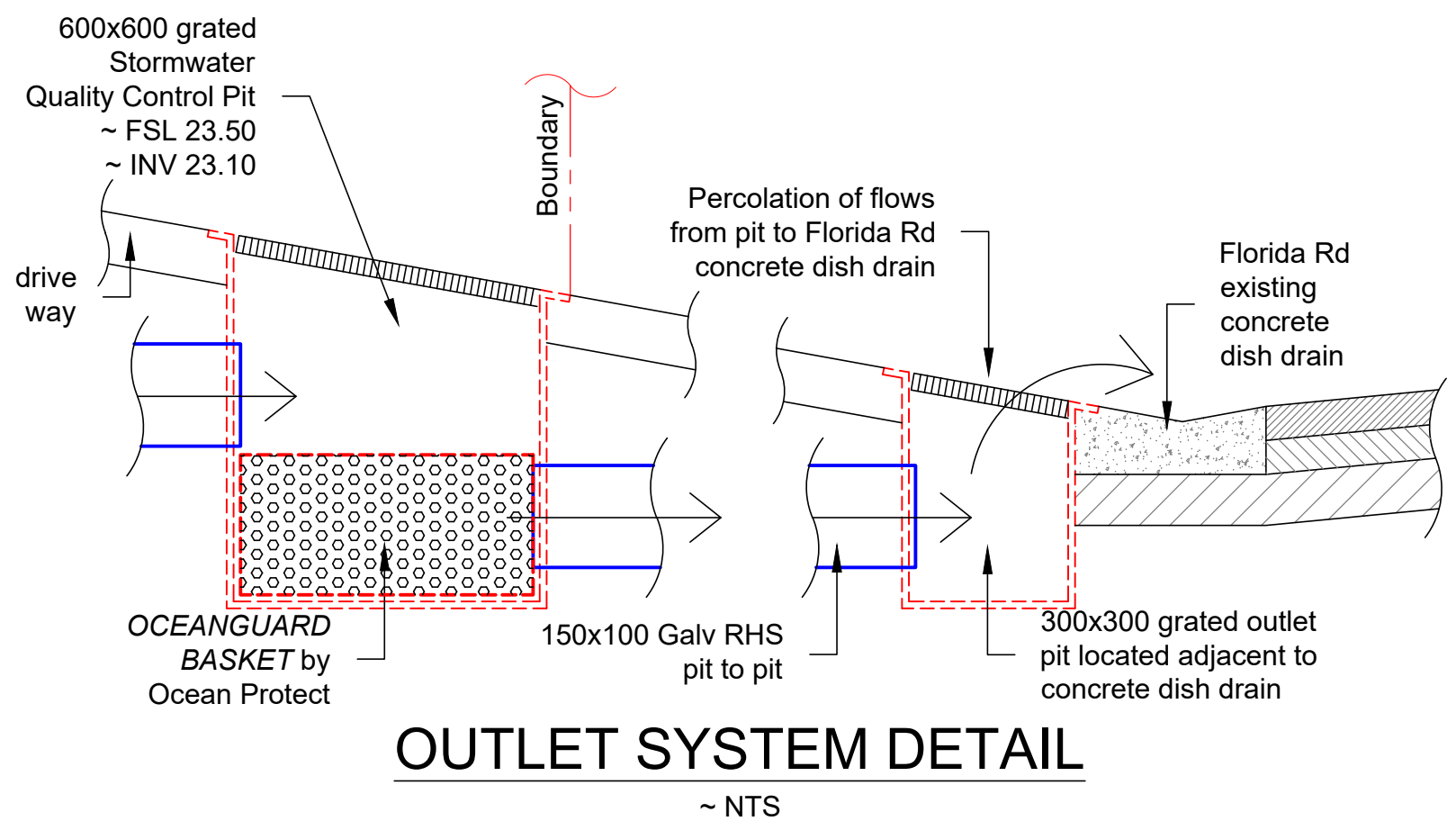
STORMWATER NOTES

- 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 90mm dia uPVC, uno.
- 3. dp/rwh indicates down pipe / rainwater head tbc
- 4. ip indicates inspection cap.
- 5. All pipes to be uPVC to AS 1254:2002.
- 6. All pipes to be laid at the grade required to match pit invert levels.
- 7. All pipes to be installed and laid in accordance with AS 3500.3:2003.
- 8. All roof guttering/ down pipes / valley gutters / box gutters etc are to be sized and installed in accordance with AS 3500.3:2003.
- 9. All roof guttering/ down pipes / valley gutters / box gutters to have proprietary leaf guards etc.
- 10. 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.
- 11. All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
- 12. 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).
- 13. All works are to be inspected and certified by the Principle Certifying Authority prior to backfilling.
- 14. 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.
- 15. The system is to be flushed and cleaned of all sediment and debris annually.
- 16. The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
- 17. 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.
- 18. 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.
- 19. Flows from upstream properties entering the site are to be monitored during construction and diverted about the OSD system / residence etc as required.

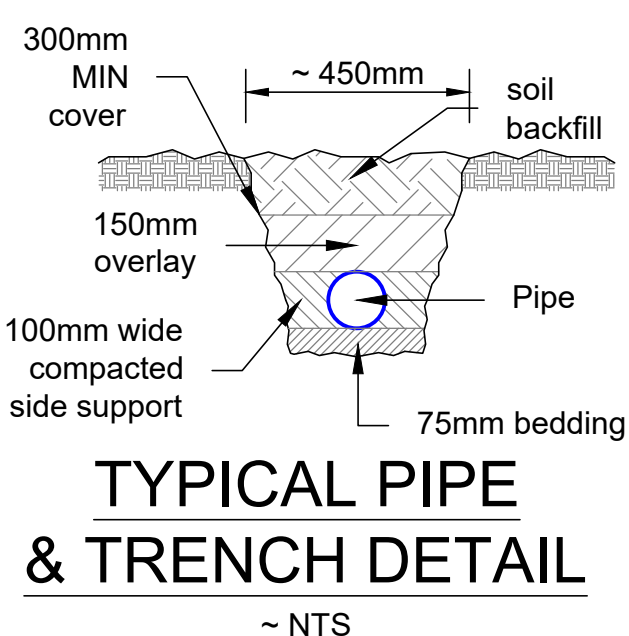


SITE STORMWATER MANAGEMENT PLAN
~ 1:100

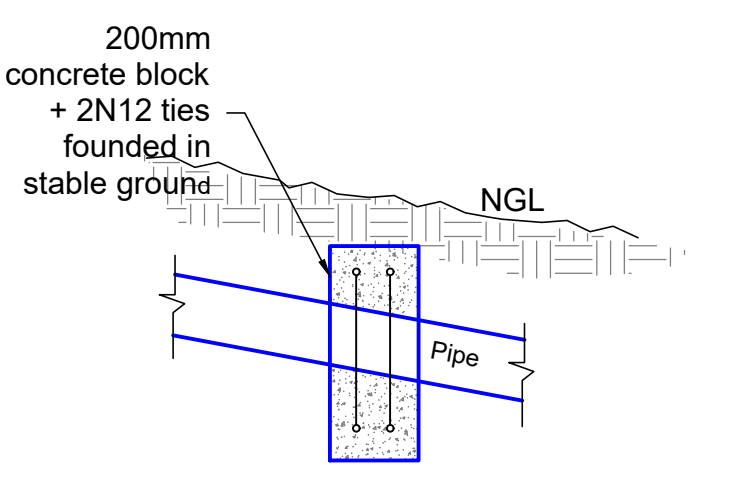
All works to be of a conventional nature as per NCC / BCA and AS 3500.3 requirements.
Note separate surface collection v roof collection systems.
Compliance to Northern Beaches Council Water Management for Development Policy Section 9.3.1
On Site Stormwater Disposal Requirements Region 1 Northern Catchments. Noting increase in impervious area **<50m2** therefore **no onsite detention storage is required**
Trunk drainage lines as shown above to be 90 dia uPVC uno. Pipe and dp layout indicative tbc with CC documentation. BASIX storage / system by others.



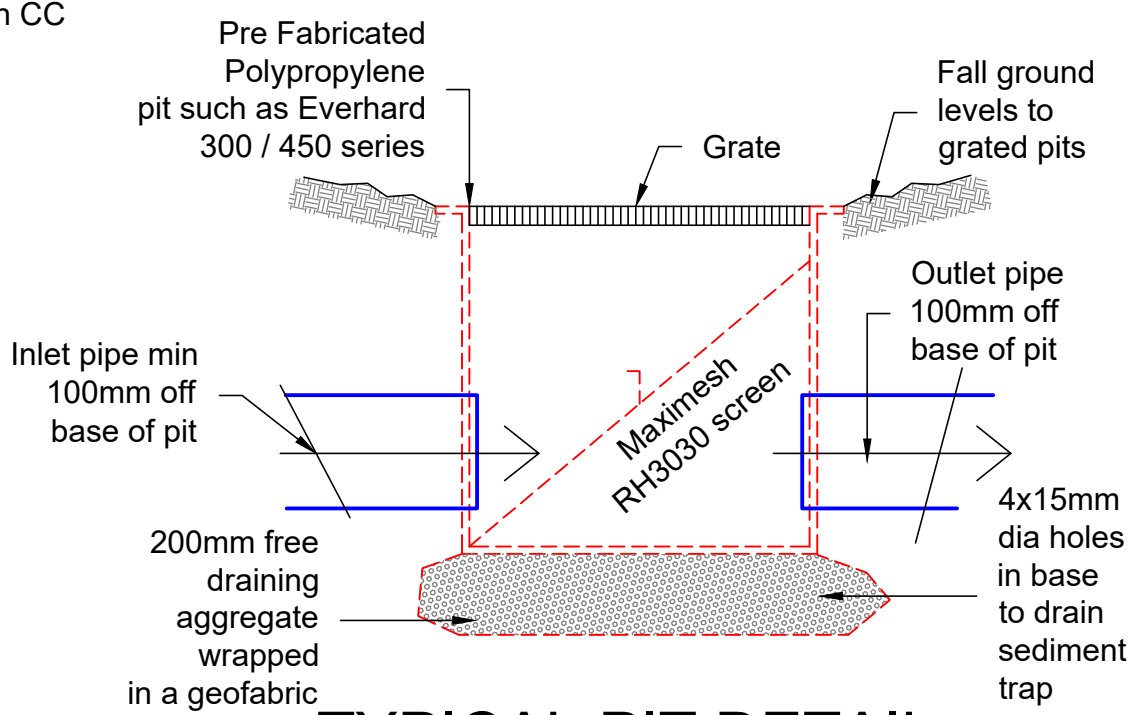
OUTLET SYSTEM DETAIL
~ NTS



TYPICAL PIPE & TRENCH DETAIL
~ NTS



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



TYPICAL PIT DETAIL
NTS

ISSUE:			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 NEW RESIDENCE 71 FLORIDA RD PALM BEACH	DRAWING :	SITE STORMWATER MANAGEMENT PLAN	Job No :	Drawing No :
19. 08. 2024	PreLim	Issued comment						240801	SW1PreLim
								Document Certification Barrenjoey Consulting Engineers pty ltd per Lucas Molloy MIEA CPEng NER Director	