

24 October 2024

General Manager  
Northern Beaches Council  
725 Pittwater Road  
Dee Why NSW 2099

Address of the Project: **11 Darius Avenue, North Narrabeen**

Description of Project: **Stormwater Management Plan - Alterations and Additions**

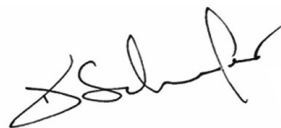
With reference to the Development Application for the above property, please find enclosed a copy of the site Stormwater Management Plan, **STORM-1**, for your perusal.

The plan shows collected flows from the roofed areas, along with the surrounding hardstand and landscaped areas, discharging to the kerb and gutter in Darius Avenue.

This is to certify that the Stormwater Management Plan and Details layout as shown on Plan **STORM-1** by Taylor Consulting Civil & Structural Engineers has been designed in accordance with section 3.1.2, 'Drainage', of the Building Code of Australia Housing Provision, AS/NZS 3500.3.2 – Stormwater Drainage, Northern Beaches Council's Pittwater D.C.P. 21 and Northern Beaches Council's Water Management for Development Policy.

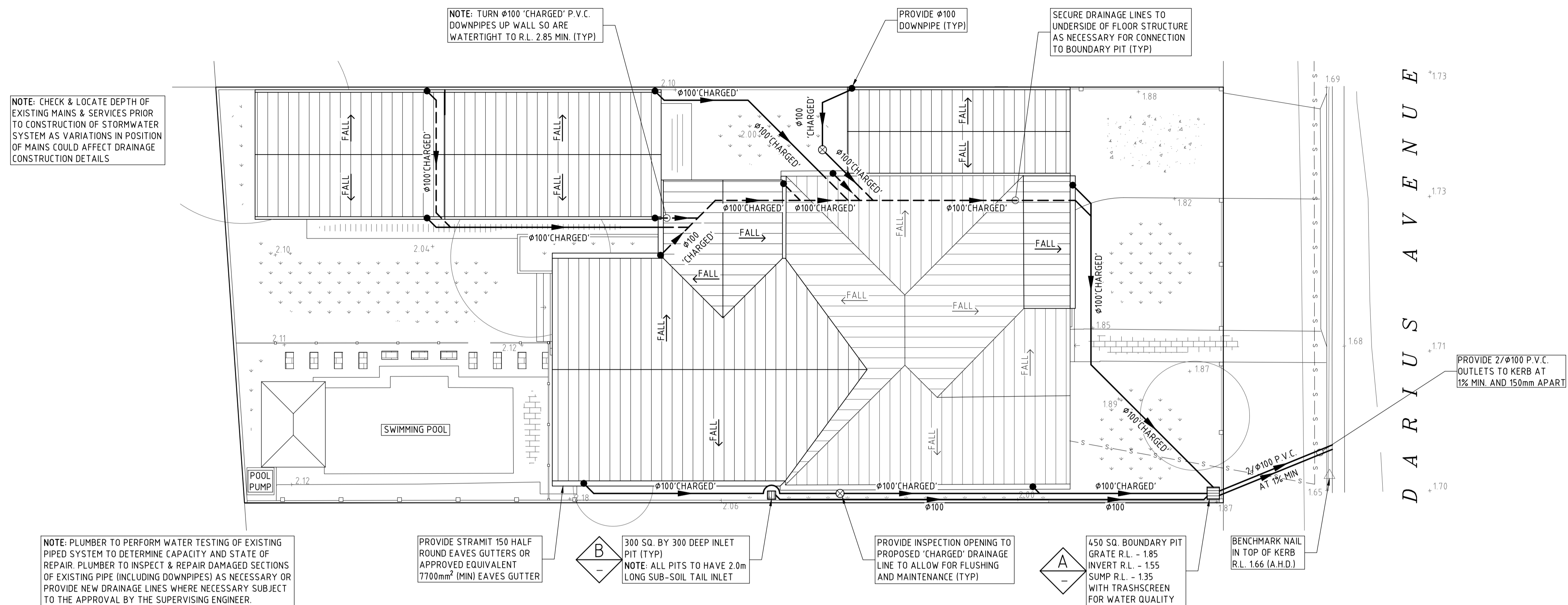
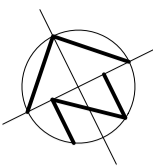
Should you require any further information please contact the undersigned.

Yours faithfully  
TAYLORCONSULTING.NET.AU



**D.M.Schaefer - Director**  
B.E Civil (Hons) M.I.E. Aust. N.E.R.

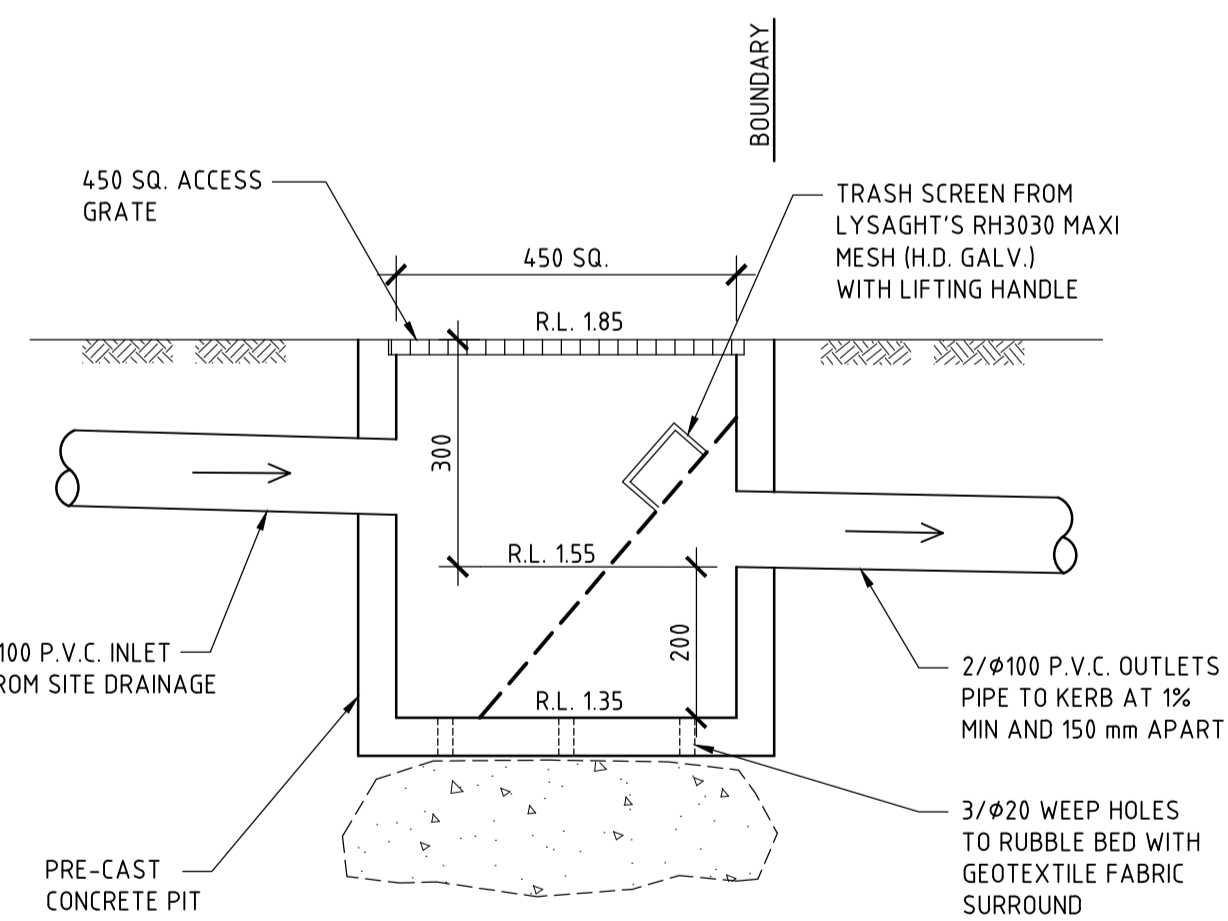




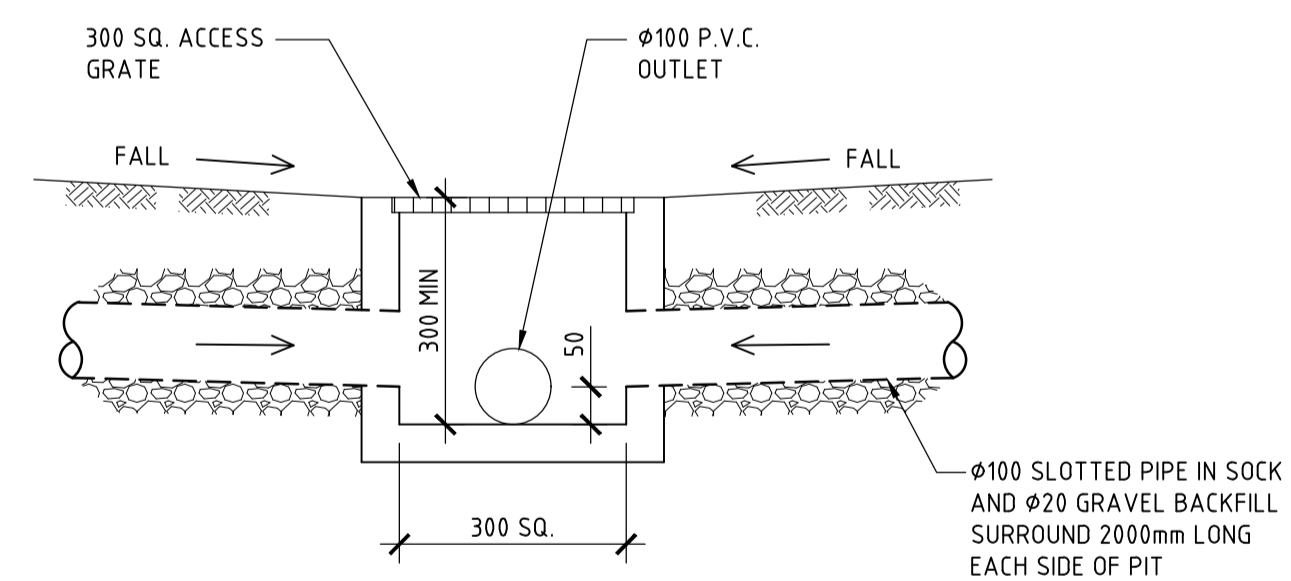
- ### **DRAINAGE NOTES**
1. + DENOTES EXISTING GROUND LEVEL.
  2. FALL STORMWATER PIPES AT 1% MIN UNLESS OTHERWISE NOTED.
  3. SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.
  4. SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.
  5. ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.
  6. CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE CONSTRUCTION DETAILS.
  7. INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF WORKS.
  8. ALL CONSTRUCTION OF DRAINAGE WORKS MUST COMPLY WITH COUNCIL STANDARD.
  9. REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
  10. PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO BE 20 MPa MASS CONCRETE.
  11. APPROVED PRE-CAST PITS MAY BE USED.
  12. ALL PIPES TO BE LAID IN COMPACTED FINE CRUSHED ROCK OR SAND BEDDING 75mm THICK & PIPES BACKFILLED WITH COMPACTED SAND TO 300mm ABOVE TOP OF PIPE, ELSE ATTACHED TO UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY.
  13. PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO SITE CONDITIONS, TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE CONSTRUCTION WORKS.
  14. CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS WHERE REQUIRED. ONCE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SERVICES AND MAKE GOOD ALL STRUCTURE AREAS.
  15. STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOADS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEARED EVERY 6 MONTHS.
  16. PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE & PLUMBING CODE.
  17. WHERE POSSIBLE DRAINAGE LINES SHOULD BE LAID IN AREAS PREVIOUSLY DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND AVOID TREE ROOTS.
  18. THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR SUBMISSION TO COUNCIL/CERTIFIER AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION. FOR THIS PROJECT ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION, CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.


# SITE DRAINAGE PLAN

SCALE 1:100




DETAIL   
SCALE 1:10  
TYPICAL BOUNDARY PIT DETAIL



DETAIL   
SCALE 1:10  
TYPICAL SURFACE INLET PIT DETAIL

[illegible]

TITLE <b>STORMWATER MANAGEMENT PLAN</b> <b>11 DARIUS AVENUE, NORTH NARRABEEN</b>		DRAWING NO. <b>STORM-1</b>	
DRAWN LI ENGINEER GK	DATE 14 OCTOBER 2024	CHECKED  BE Civil (Hons) MIE Aust.	SCALE: © A1 1:100 1:10
		