

NORTHERN SYDNEY
Seascope
Suite 7 22-27 Fisher Rd
Dee Why NSW 2099

BLUE MOUNTAINS
Shop 1
274 Macquarie Rd
Springwood NSW 2777

CONSULTING ENGINEERS
Civil
Structural
Stormwater & Flood

30 June 2025

Chief Executive Officer
Northern Beaches Council
725 Pittwater Road
DEE WHY NSW 2099

Address of the Project: **293 Hudson Parade, Clareville**

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

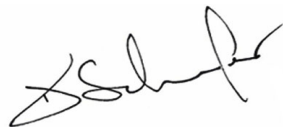
With reference to the Construction Certificate for the above property, please find enclosed a copy of the site Stormwater Management Plan, **STORM-1/A** for your perusal.

The plan shows runoff collected from the proposed roof areas along with surrounding landscaped and hardstand areas are collected by the site drainage system and discharged to the kerb and gutter on Hudson Parade.

This is to certify that the Stormwater Management Plan layout, as shown on **STORM-1/A** 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, NCC 2022 Part 3.3 Drainage, Northern Beaches Council's Water Management for Development Policy and Northern Beaches Council's DA2024/1276 Conditions 10 and 21 Stormwater Disposal.

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.



30 June 2025

Principal Certifying Authority
Emailed to: megzthebuilder@gmail.com

Certificate Title: **Certificate Of Drainage Design**

Address of the Project: **293 Hudson Parade, Clareville**

Description of Project: **Alterations and Additions**

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the building details for the proposed structure are in accordance with normal engineering practice and meet the requirements of the Building Code of Australia and relevant Australian Standards. In particular the design is in accordance with the following:

AS3500 & Northern Beaches Water Management for Development Policy.

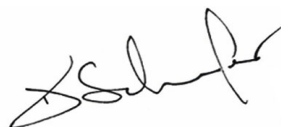
I am an appropriately qualified and competent person in this area being registered NER in both civil and structural colleges and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawing:

Plans by Taylor Consulting Engineers: STORM-1/A

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

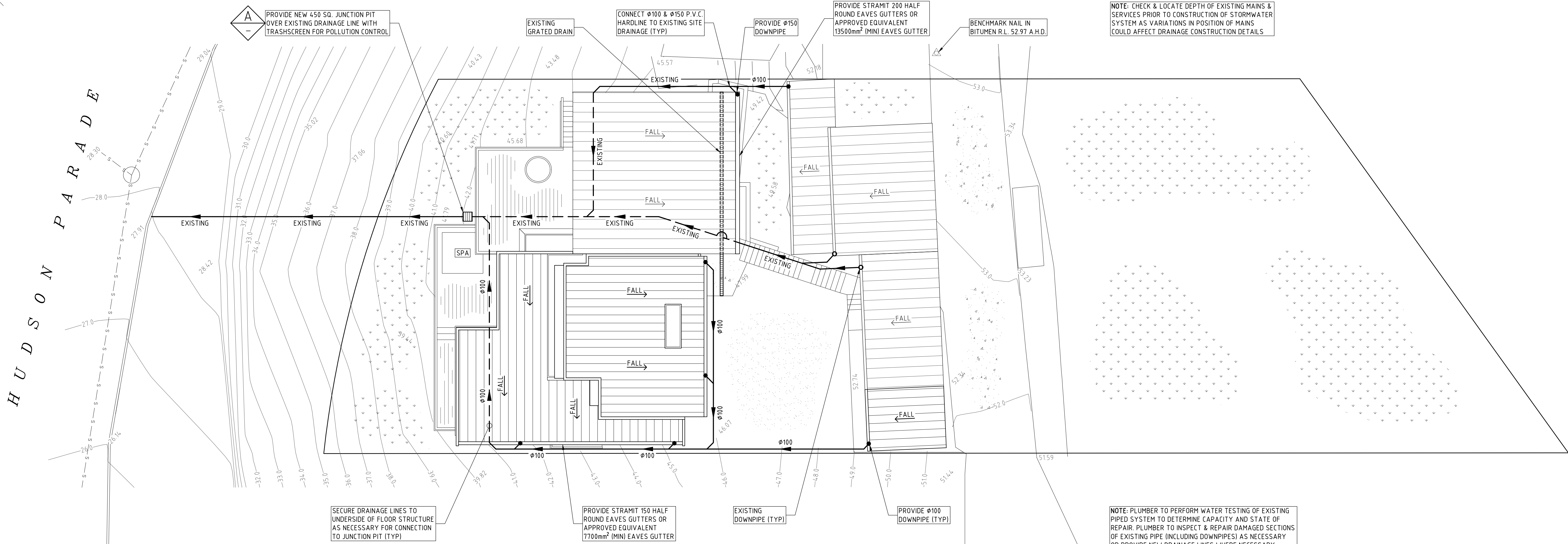
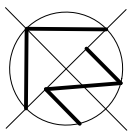
This certification shall not be construed as relieving any other party of their responsibilities or contractual obligations

Yours faithfully
TAYLORCONSULTING.NET.AU



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



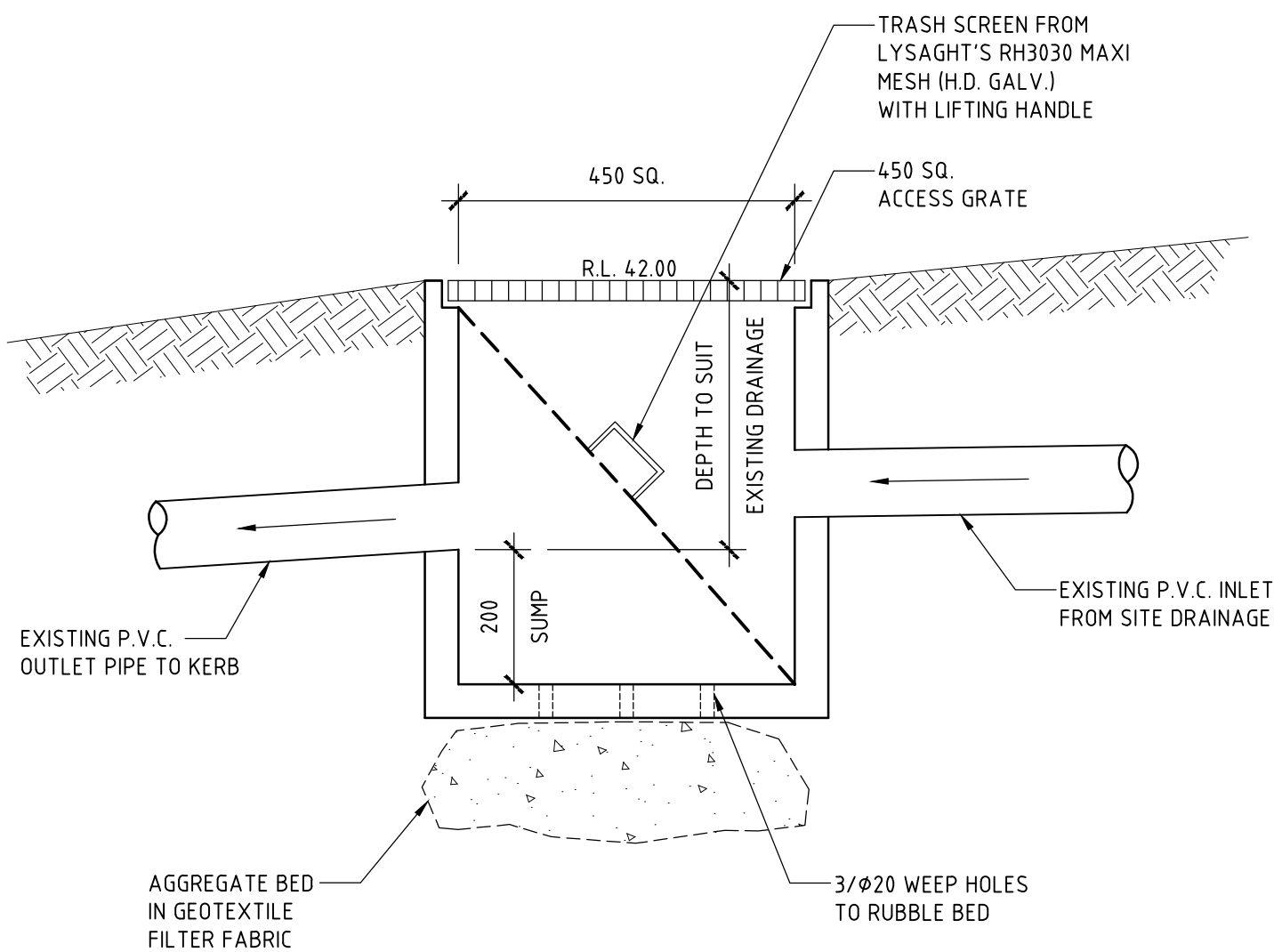


SITE DRAINAGE PLAN

SCALE 1:100

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 COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.
9. REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.
10. PIT BENCHMARKING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHMARKING TO BE 20 MPa MASS CONCRETE.
11. APPROVED PRE-CAST PITS MAY BE USED.
12. ALL PIPES TO BE LAID ON 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 DISTURBED AREAS.
15. STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE STORM EVENTS AND CLEANED EVERY 6 MONTHS.
16. PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE & PLUMBING CODE.
17. WHERE POSSIBLE DRAINAGE LINES SHALL 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 TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR CONSULTING FOR MORE INFORMATION.



DETAIL

SCALE 1:10

ISSUE DATE	REVISION
24 JUNE 2025	UPDATED TO SUIT MOD PLANS

TITLE STORMWATER MANAGEMENT PLAN 293 HUDSON PARADE, CLAREVILLE			
DRAWN JBP	DATE 04 DECEMBER 2024	CHECKED 	SCALE @ A1 1:100 1:10
ENGINEER G K	BE Civil (Hons) MIE Aust.		

STORMWATER SYSTEM DESIGN DATA

SITE DATA

SITE AREA = 956.2 m² (100%)
PROPOSED IMPERVIOUS AREA = 394.7 m² (31%)
PROPOSED LANDSCAPED AREA = 561.5 m² (59%)
EXISTING IMPERVIOUS AREA = 365.2 m² (38%)
EXISTING LANDSCAPED AREA = 591.0 m² (62%)

TAYLOR
CONSULTING
CIVIL & STRUCTURAL ENGINEERS

DRAWING NO
STORM-1/A