NORTHERN SYDNEY Seascape Suite 7 22-27 Fisher Rd

Dee Why NSW 2099

Shop 1 274 Macquarie Rd Springwood NSW 2777

BLUE MOUNTAINS

TAYLORCONSULTING.NET.AU

CONSULTING ENGINEERS
Civil
Structural
Stormwater & Flood

20 March 2025

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

Address of the Project: 70 Hilma Street, Collaroy Plateau

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**, and Stormwater Management Details, **STORM-2**, 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 Hilma Street.

This is to certify that the Stormwater Management Plan and Details layout as shown on Plan **STORM-1** and **STORM-2** 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.

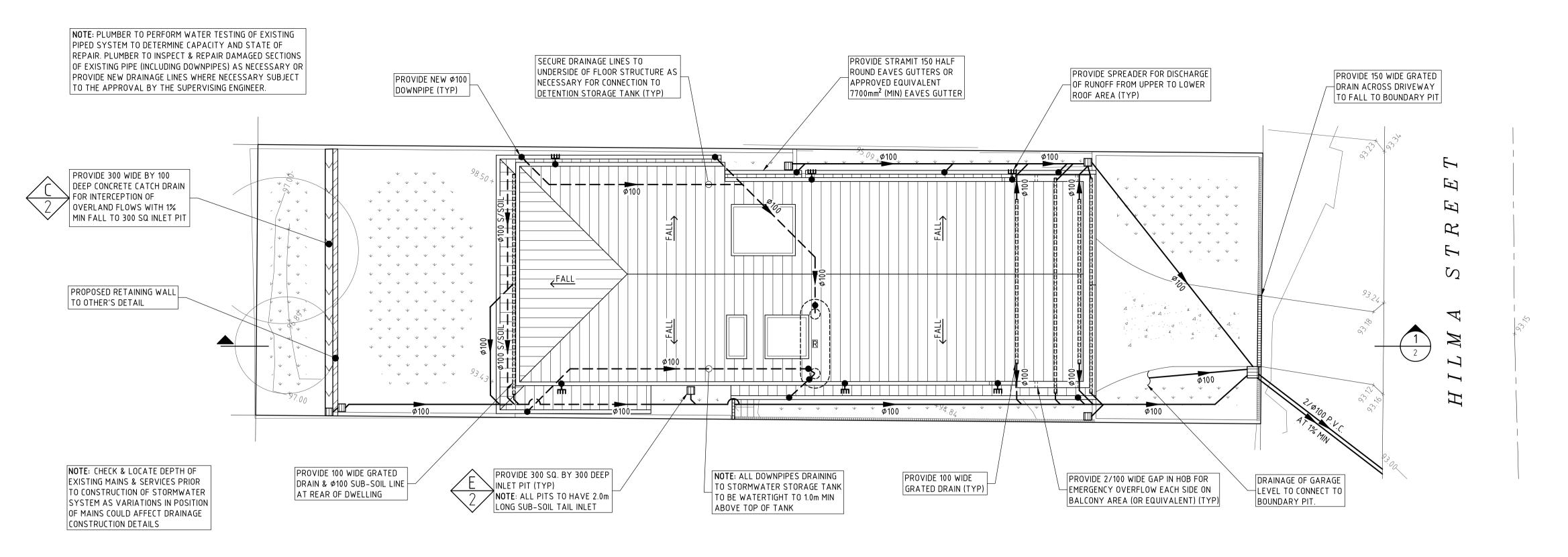
Yours faithfully TAYLORCONSULTING.NET.AU

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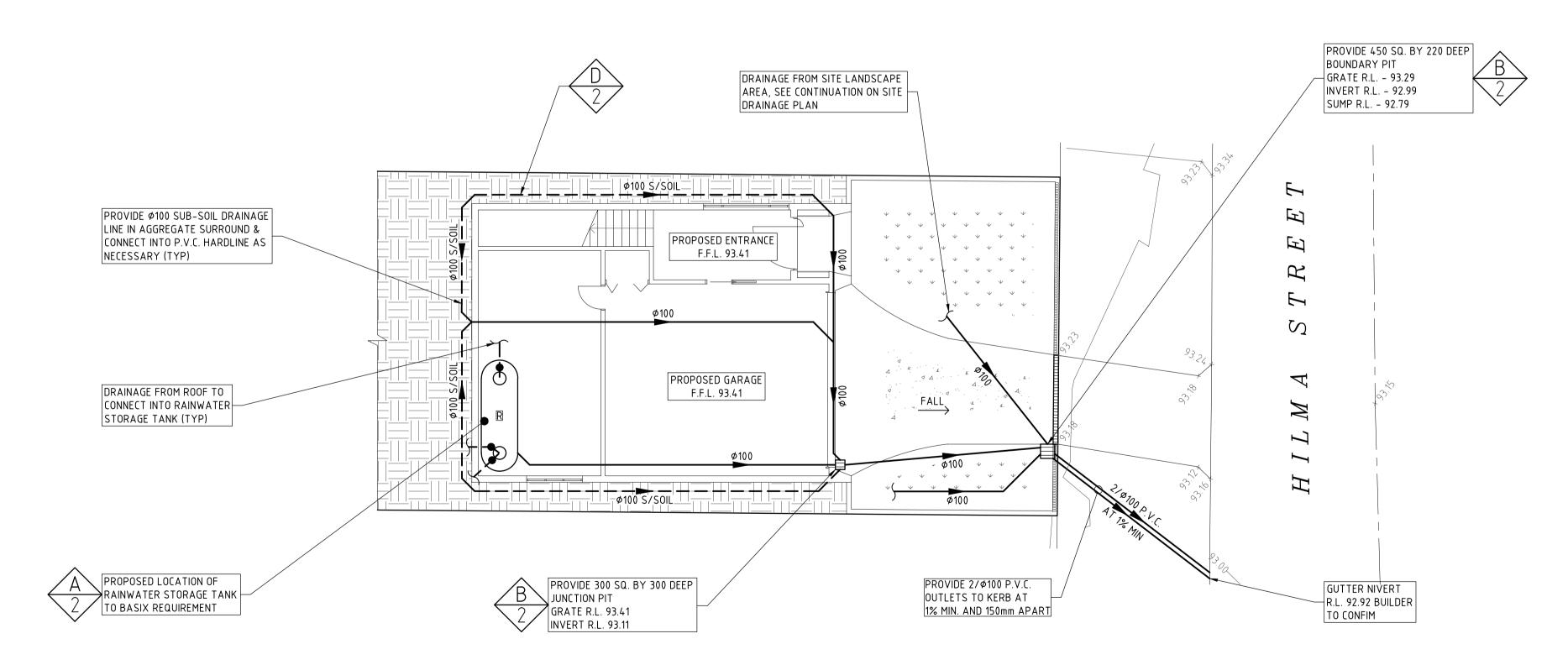
D.M.Schaefer - Director B.E Civil (Hons) M.I.E. Aust. N.E.R. NER
Engineers Australia

TAYLOR Page 1 of 1





SITE DRAINAGE PLAN



GARAGE DRAINAGE PLAN

SCALE 1:100 SHOWING GARAGE FLOOR LEVEL DRAINAGE PROVISIONS

ISSUE DATE : REVISION

STORMWATER MANAGEMENT PLAN 70 HILMA STREET, COLLAROY PLATEAU





DRAINAGE NOTES

+ DENOTES EXISTING GROUND LEVEL

CONSTRUCTION DETAILS.

20 MPa MASS CONCRETE.

CONSTRUCTION WORKS.

PLUMBING CODE.

AVOID TREE ROOTS

MAKE GOOD ALL DISTURBED AREAS.

CONSULTING FOR MORE INFORMATION. RAINWATER RE-USE NOTES AND SPECIFICATIONS

AS REQUIRED BY THE OWNER.

MATTER, ANIMALS OR INSECTS.

USED BY A PUBLIC AUTHORITY.

ELECTRICIAN.

STORM EVENTS AND CLEANED EVERY 6 MONTHS.

FALL STORMWATER PIPES AT 1% MIN. UNLESS OTHERWISE NOTED.

ALL STORMWATER PIPES TO HAVE SOLVENT CEMENT WATERTIGHT JOINTS.

SURFACE GRATES 300 SQ. UNLESS OTHERWISE NOTED.

REMOVE REDUNDANT DRAINAGE PITS AND SEAL PIPES.

APPROVED PRE-CAST PITS MAY BE USED.

SUB-SOIL DRAINAGE TO BE CONNECTED TO THE SITE DRAINAGE SYSTEM AS NECESSARY.

CHECK & LOCATE DEPTH OF EXISTING MAINS & SERVICES PRIOR TO CONSTRUCTION OF

STORMWATER SYSTEM AS VARIATIONS IN POSITION OF MAINS COULD AFFECT DRAINAGE

INSPECTIONS MUST BE UNDERTAKEN BY THIS OFFICE (BY PRIOR ARRANGEMENT WITH

ENGINEER) DURING CONSTRUCTION TO ENABLE FULL CERTIFICATION UPON COMPLETION OF

ALL CONSTRUCTION OF COUNCIL DRAINAGE WORKS TO COMPLY WITH COUNCIL STANDARD.

PIT BENCHING TO BE HALF THE OUTGOING PIPE DIAMETER. CONCRETE FOR BENCHING TO BE

ALL PIPES TO BE LAID ON COMPACTED FINE CRUSHED ROCK OR SAND BEDDING 75mm THICK

PIPE ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE AS NECESSARY ACCORDING TO

CONTRACTOR SHALL ENSURE THAT SERVICES TO BUILDINGS NOT AFFECTED BY THE WORKS

STORMWATER SYSTEM REQUIRES SIGNIFICANT MAINTENANCE DUE TO POTENTIAL HIGH

POLLUTANT LOAD. FILTERS AND POLLUTANT TRAPS SHOULD BE CHECKED AFTER LARGE

PLUMBING AND DRAINAGE WORKS TO COMPLY WITH AS-3500, THE NATIONAL DRAINAGE &

WHERE POSSIBLE DRAINAGE LINES SHALL BE LAID IN AREAS PREVIOUSLY DISTURBED BY OTHER SITE WORKS AND FOLLOW TOPOGRAPHICAL FEATURES TO REDUCE IMPACT AND

THIS STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR SUBMISSION TO COUNCIL/CERTIFEIR AND DOES NOT NECESSARILY CONTAIN ALL APPROPRIATE INFORMATION

TO ENABLE FOR ISSUE TO PLUMBER/BUILDER FOR CONSTRUCTION. CONTACT TAYLOR

ROOF WATER ONLY TO BE DRAINED TO THE RAINWATER STORAGE TANK. THE RAINWATER STORAGE TANK NEEDS TO BE CONNECTED FOR RE-USE

RAINWATER STORAGE TANK TO BE CONFIGURED IN ACCORDANCE WITH SYDNEY

PROVIDE MAINS 'TOP-UP' SUPPLY TO RAINWATER TANK. MAINS TOP-UP ZONE TO BE BASED ON THE DAILY NON-POTABLE USAGE THAT MAY BE EXPECTED FROM THE

PUMPING ARRANGEMENTS MUST COMPLY WITH EPA GUIDELINES.

PROVIDE A MECHANICAL PUMPING ARRANGEMENT (IN SOUND-PROOF HOUSING) TO PUMP SUPPLIERS SPECIFICATION TO SUIT INTENDED USAGE OF RAINWATER STORAGE.

INLETS TO RAINWATER TANK MUST BE SCREENED TO PREVENT THE ENTRY OF FOREIGN

A SIGN MUST BE AFFIXED TO THE RAINWATER TANK CLEARLY STATING THAT THE WATER IN THE TANK IS RAINWATER AND IS NOT TO BE USED FOR HUMAN CONSUMPTION.

RAINWATER TANK TO BE PLACED ON A STRUCTURALLY ADEQUATE BASE IN ACCORDANCE WITH THE MANUFACTURER'S OR STRUCTURAL ENGINEER'S DETAILS. THE TANK MUST NOT BE INSTALLED OVER ANY MAINTENANCE STRUCTURE OR FITTINGS

RAINWATER TANK AND ASSOCIATED PLUMBING WORKS TO BE INSTALLED AND

CONFIGURED BY A LICENSED PLUMBER. PUMP TO BE INSTALLED BY A LICENSED

WATER SPECIFICATIONS 'GUIDELINES FOR RAINWATER TANK ON RESIDENTIAL

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

SITE CONDITIONS, TREE POSITIONS ETC. CONFIRM SIGNIFICANT CHANGES IN PIPES SYSTEM DETAILS WITH SUPERVISING ENGINEER PRIOR TO COMMENCEMENT OF DRAINAGE

& PIPES BACKFILLED WITH COMPACTED SAND TO 300mm ABOVE TOP OF PIPE, ELSE

ATTACHED TO UNDERSIDE OF STRUCTURE AT 600mm c/c AS NECESSARY



PROPOSED IMPERVIOUS AREA = 245.1 m^2 (58%) PROPOSED LANDSCAPED AREA = 177.6 m^2 (42%)

EXISTING IMPERVIOUS AREA = 274.6 m^2 (65%)

EXISTING LANDSCAPED AREA = 148.1 m² (35%)

STORMWATER SYSTEM DESIGN DATA

SITE AREA = $422.7 \text{ m}^2 (100\%)$

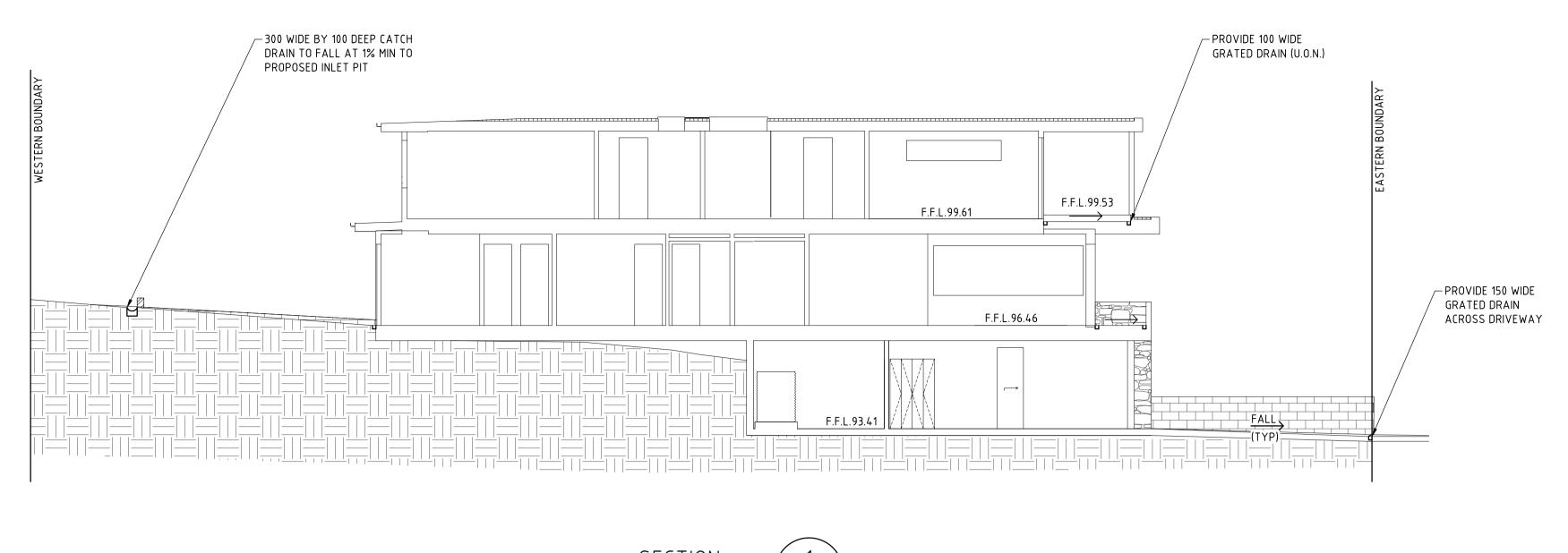
<u>SITE DATA</u>

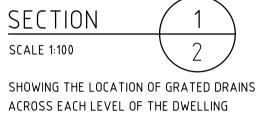
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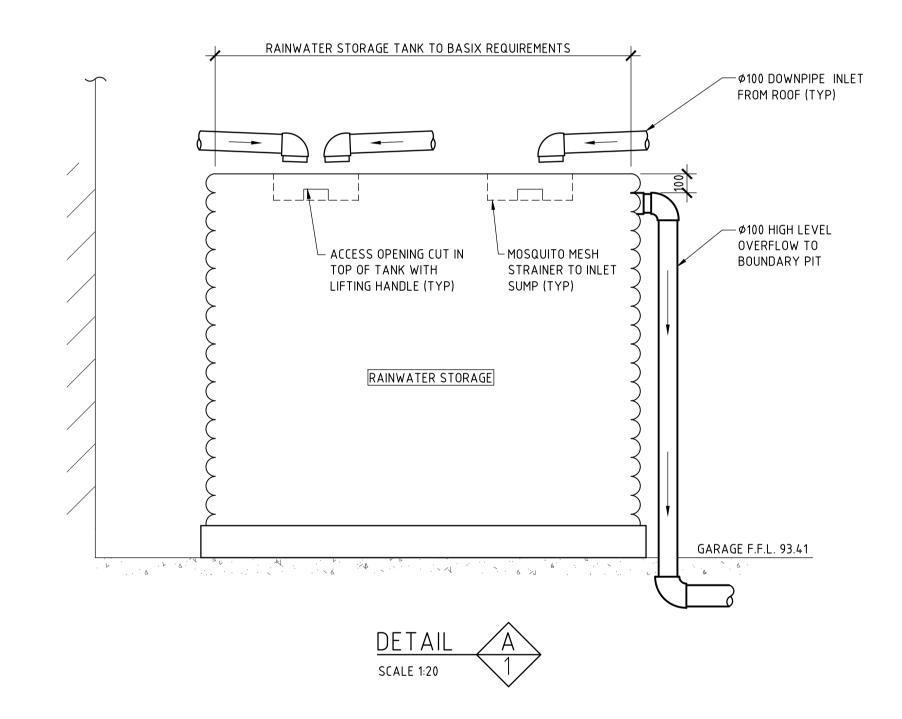
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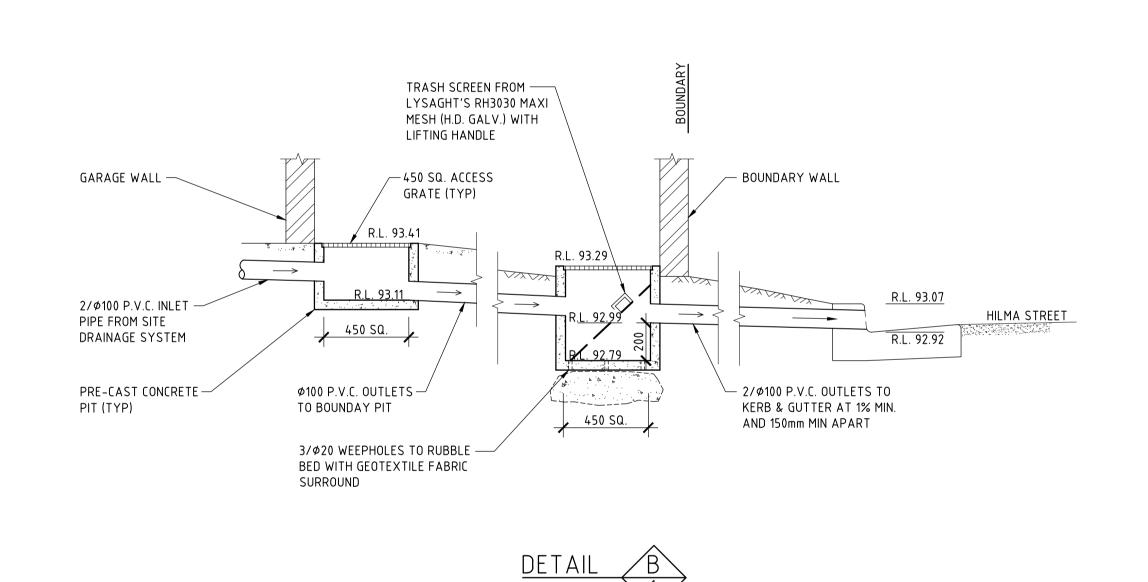
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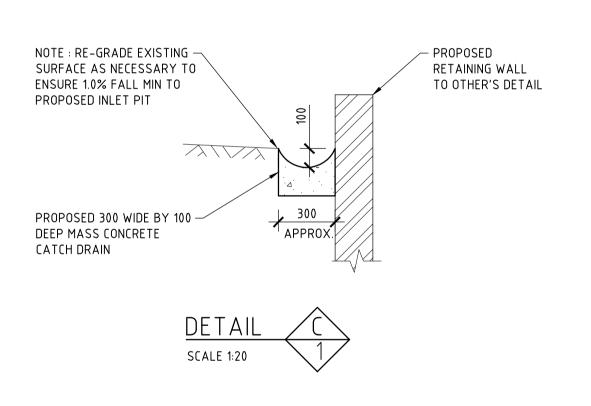
enquire@taylorconsulting.net.au www.taylorconsulting.net.au

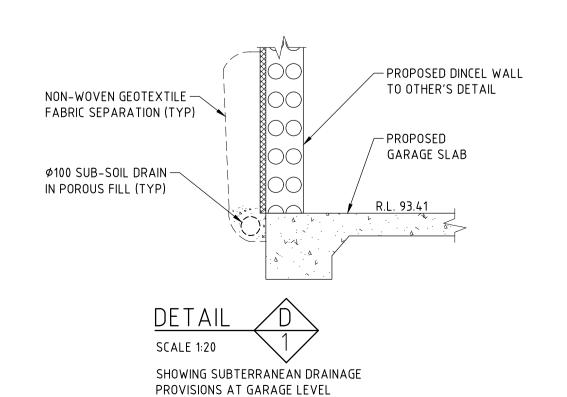


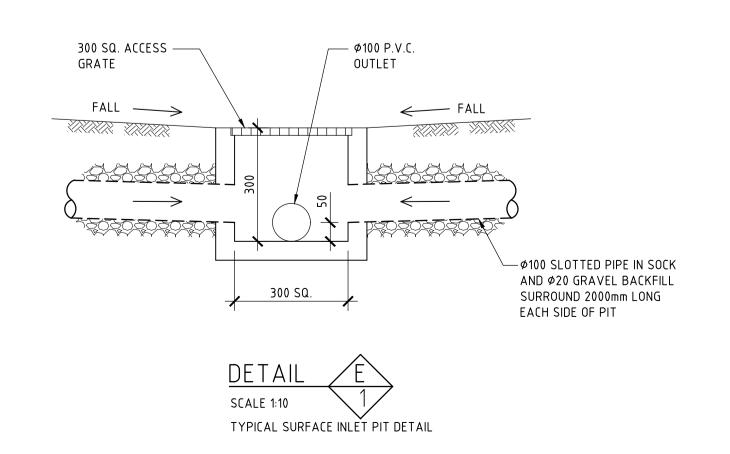


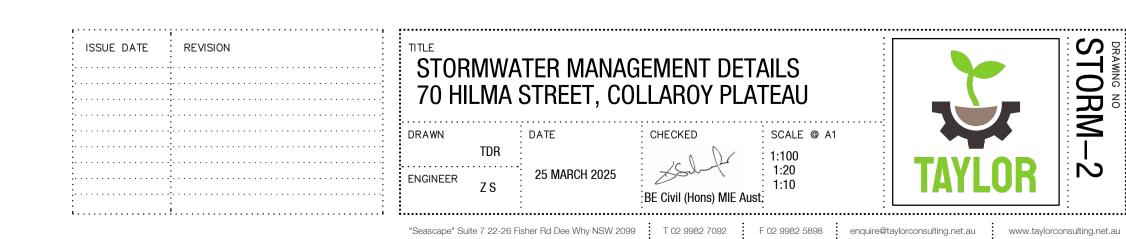












STORM-

2