PROPOSED RESIDENTIAL DEVELOPMENT TYPE: DUAL OCCUPANCY

DEVELOPMENT APPLICATION ISSUE NOT FOR CONSTRUCTION

DRAWINGS SERIES TO BE PRINTED IN

COLOUR

No. 93 CROWN ROAD, QUEENSCLIFF ADDRESS:

LOT 1/DP17127 TITLE:

DRAWING SERIES: STORMWATER MANAGEMENT PLAN

GENERAL NOTES

- GN1 ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION. GN2 THE CONTRACTOR SHALL LOCATE AND DETERMINE LEVELS OF ALL EXISTING SERVICES PRIOR TO COMMENCING EXCAVATION WORK. ALL SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE AND FOR GUIDANCE ONLY
- GN3 THIS DRAWING SERIES IS TO BE READ IN CONCURRENCE WITH RELEVANT DRAWINGS SERIES FROM OTHER CONSULTANTS, COUNCIL OR RELEVANT SPECIFICATIONS. WHERE DISCREPANCIES ARE DETECTED THE DESIGN ENGINEER IS TO BE CONTACTED IMMEDIATELY FOR VALIDATION/ RECTIFICATION
- GN4 BUILDER AND CONTRACTORS IS TO ENSURE THAT ALL COUNCIL DEVELOPMENT CONSENT CONDITIONS, CONSTRUCTION CERTIFICATE AND BASIX REQUIREMENTS ARE MET.
- GN5 A STRUCTURAL ENGINEER IS TO DESIGN AND DETAIL SUBSOIL DRAINAGE. UNLESS APPROVED BY OUR OFFICE, SUBSOIL DRAINAGE IS NOT TO CONNECT INTO THE STORMWATER SYSTEM DISPLAYED WITHIN THIS DRAWING SERIES.
- GN6 PLANS ISSUED FOR DEVELOPMENT APPLICATION, SHALL NOT BE USED FOR OBTAINING A CONSTRUCTION CERTIFICATE.
- GN7 PLANS ISSUED FOR DEVELOPMENT APPLICATION PURPOSES, SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.

RAINWATER RE-USE NOTES

- THE RAINWATER TANK IS TO BE INSTALLED AND EMPLOYED AS PER BASIX. SYDNEY WATER, COUNCIL AND NSW HEALTH REQUIREMENTS FOR NON DRINKING USE ONLY.
- RN2 ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH AS/NZS3500.1 NATIONAL PLUMBING AND DRAINAGE CODE.
- RN3 BUILDER AND PLUMBER TO ENSURE THE INSTALLATION OF THE RAINWATER TANK SYSTEM IS IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND THE RAINWATER TANK DESIGN AND INSTALLATION HANDBOOK (HB 230- 2008).
- RN4 DO NOT DIRECT CONNECT TOWN WATER SUPPLY AND THE RAIN WATER SUPPLY.
- RN5 THE RAINWATER TANK AND EVERY RAINWATER SUPPLY OUTLET POINT ARE TO BE LABELLED (RAINWATER) ON A METAL SIGN IN ACCORDANCE WITH AS1319.
- RN6 SCREENED DOWNPIPE RAINWATER HEAD OR OTHER SUITABLE LEAF AND DEBRIS DEVICE TO BE INSTALLED ON EACH DOWNPIPE. SCREEN MESH TO BE 4-6mm AND DESIGNED TO BE SELF-CLEANING.
- RN7 ROOF RUN-OFF ONLY IS BE DIRECTED TO THE RAINWATER TANK. SURFACE WATER SYSTEMS/INLETS ARE NOT TO BE CONNECTED.
- RN8 ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE DEVICES TO PREVENT MOSQUITO AND VERMIN ENTRY TO THE SATISFACTION OF THE REGULATORY AUTHORITY.
- RN9 PROVIDE APPROPRIATE FLOAT VALVES TO CONTROL TOWN WATER SUPPLY INLET TO TANK IN ORDER TO ACHIEVE THE TOP-UP INDICATED ON THE TYPICAL DETAIL
- RN10 PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY A LICENSED ELECTRICIAN

BEFORE YOU DIG AUSTRALIA



THE MOST UP TO DATE BEFORE YOU DIG AUSTRALIA (BYDA) PLANS MUST BE KEPT ON-SITE AT ALL TIMES. ANY PERSON ABOUT TO DIG OR EXCAVATE MUST READ BYDA PLANS PRIOR TO THE COMMENCEMENT OF WORK.

STORMWATER NOTES

- ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES, ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.
- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE AS/NZS3500 AND THE REQUIREMENTS OF THE LOCAL GOVERNMENT AREAS POLICIES, CODES AND SPECIFICATIONS. ENSURE INSPECTION OPENINGS ARE INSTALLED TO DRAINAGE LINES AT REQUIRED LOCATIONS.
- SN3 STORMWATER PIPES UP TO DN150 SHALL BE LAID AT A MINIMUM 1% GRADE UNLESS OTHERWISE NOTED.
- SN4 WHERE NECESSARY PUBLIC UTILITY SERVICES ARE TO BE ALTERED AND
- AMENDED AT THE CLIENT'S EXPENSE. SN5 ALL NEW WORK MAKE SMOOTH TRANSITIONS AND CONNECTIONS WITH

EXISTING WORK.

- LOCAL GOVERNMENT AREAS TREE PRESERVATION AND MANAGEMENT ORDERS TO BE ABIDED BY. A PERMIT IS REQUIRED BEFORE TREE/S CAN BE REMOVED.
- ALL PITS TO BE STREAMLINED AND BENCHED IN ACCORDANCE WITH LOCAL GOVERNMENTS AREAS SPECIFICATIONS.
- STEP IRONS ARE TO BE PROVIDED FOR ALL PITS OVER 1.2m DEEP IN ACCORDANCE WITH AS/NZS3500 AND LOCAL GOVERNMENT AREAS CODES AND POLICES.
- DOWNPIPES, RAINWATER LINES AND STORMWATER LINES TO BE FULLY SEALED UNLESS OTHERWISE NOTED.
- SN10 ALL GRATE AND INVERT LEVELS PROVIDED ON THIS DRAWING ARE EXTRACTED FROM SURVEY AND REDUCED TO AHD. FOLLOWING EARTHWORKS, PIT INSTALLATION AND BENCHING THE LEVELS ARE TO BE VERIFIED OR ADJUSTED
- TO MEET THE DESIGN INTENT. IF EVER IN DOUBT CONTACT DESIGN ENGINEER. SN11 ALL SUSPENDED DRAINAGE PIPES ARE TO STRAPPED IN ACCORDANCE WITH AS/NZ 2032.
- SN12 LOW POINTS OF CHARGED DRAINAGE SYSTEMS REQUIRE DEVICES FOR FLUSHING AND MAINTENANCE.
- SN13 THE NUMBER AND LOCATION OF DOWNPIPES, ON THIS DRAWING SERIES, ARE SHOWN INDICATIVELY AND ARE TO BE CONFIRMED ON-SITE BY BUILDER PRIOR TO CONSTRUCTION. ROOF DRAINAGE, BY OTHERS, AND TO BE INSTALLED IN ACCORDANCE WITH AS/NZs 3500 SERIES.
- SN14 NEW WORKS SHALL NOT CREATE ANY TRAPPED SURFACE AREAS. IN SUCH CASES WHERE TRAPPED AREAS EXIST, A DRAINAGE NETWORK WITH ADEQUATE CAPACITY SHALL BE REQUIRED TO DRAIN STORMWATER TO AN APPROVED DISCHARGE POINT. A PUMP-OUT SYSTEM MAY BE REQUIRED IF THE TRAPPED AREA IS BELOW THE NATURAL SURFACE LEVEL. IN EACH INSTANCE, THE DESIGN ENGINEER MUST BE CONTACTED FOR DESIGN DETAILS (AS REQUIRED) BEFORE CONSTRUCTION.
- SN15 WHEN SURFACES FALL TOWARDS A BUILDING, INCLUDING LAND OUTSIDE OF THE SITE, GROUND SURFACE LEVELS ADJACENT TO THE BUILDING ARE TO BE RE-GRADED SUCH THAT THE FIRST METER HAS A MINIMUM 50MM FALL AWAY FROM THE BUILDING AS PER THE NATIONAL CONSTRUCTION CODE.
- SN16 BALCONY DRAINAGE AND WATERPROOFING TO BE INSTALLED IN STRICT ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARD AND NATIONAL CONSTRUCTION CODE, DESIGN IS TO BE BY OTHERS.

DRAWING LEGEND

INDICATES INDICATIVE EXTENT OF EXISTING DWELLING INDICATES INDICATIVE EXTENT OF PROPOSED EXTENSION INDICATES INDICATIVE EXTENT OF PROPOSED DRIVEWAY INDICATES ON-SITE DETENTION TANK INDICATES RAINWATER TANK **INDICATES ABSORPTION SYSTEM** DP INDICATES PROPOSED DOWNPIPE/RISER e.DP INDICATES EXISTING DOWNPIPE/RISER ○ I.O. INDICATES INSPECTION OPENING WITH SCREW DOWN LID RWO INDICATES RAINWATER OUTLET ○ PBO INDICATES PLANTER BOX OUTLET \circ INDICATES EAVE OPENING **INDICATES PIPE DROPPER** 0 BOX GUTTER SUMP/RAINWATER HEAD SUMP INDICATES EAVE TYPE AND DIRECTION INDICATES DOWNPIPE SPREADER INDICATES GRATED BOX DRAIN WITH OUTLET INDICATES DRAINAGE PIT GRATED OPENING INDICATES DRAINAGE PIT SEALED COVER - sw_____sw___ILXX.XXX INDICATES STORMWATER PIPE INVERT LEVELS. UNLESS OTHERWISE NOTED PIT BASE IS TO EQUAL PIPE BASE INDICATES DN100 RAINWATER PIPE. INDICATES DN100 STORMWATER PIPE. INDICATES EXISTING STORMWATER PIPE. INDICATES DN100 SEWER GRADE CHARGED STORMWATER PIPE. INDICATES INDICITIVE LOCATION OF RISING MAIN BY INDICATES SIZE AND DIRECTION OF RAINWATER PIPE **→** DN150 GREATER THAN DN100. **→** DN150 INDICATES SIZE AND DIRECTION OF STORMWATER PIPE **GREATER THAN DN100. →** DN150 INDICATES SIZE AND DIRECTION OF EXISTING STORMWATER PIPE GREATER THAN DN100. **→** DN150 INDICATES SIZE AND DIRECTION OF SEWER GRADE CHARGED STORMWATER PIPE. INDICATES SITE BOUNDARY INDICATES EASEMENT WITHIN SITE, REFER TO DETAILED __ __ __ __ _ _ _ _ _ _ INDICATES INDICATIVE ROOF OUTLINE ——PAGE S??> PIPE LINE CONTINUES TO REFERENCED PAGE PENETRATION DIRECTION DP-RW 🔫 SERVICE TYPE

SITE SUMMARY OF COUNCIL SPECIFICATION

- 1. COUNCIL: NORTHERN BEACHES COUNCIL
- 2. RELEVANT DOCUMENTS:
 - 2.1. NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR DEVELOPMENT POLICY (FEB 2021)
- 2.2. AS/NZS 3500.3
- 3. ENGINEERING COMMENTS:
 - STORMWATER DISCHARGE

THE DEVELOPMENT IS LOCATED ON A RIDGE AND PROPOSES TO DRAIN THE MAJORITY OF THE SITE, BY GRAVITY, TO HIGHVIEW AVENUE. THE REMAINING LANDSCAPED AREA DRAINS BY GRAVITY TO CROWN ROAD.

THE DEVELOPMENT PROPOSES A NEW KERB TO FACILITATE DISCHARGE AT HIGHVIEW AVENUE.

THE PROPOSED KERB OUTLET'S FOR EACH LOT HAVE BEEN EXTENDED APPROXIMATELY 9m DOWN THE AVENUE TO AVOID THE USE OF PUMP OUT SYSTEM IN THE BASEMENT AREAS.

THE DEVELOPMENT PROPOSES TO KEEP DRAINAGE FROM EACH UNIT SEPARATE.

ON- SITE DETENTION

THE DEVELOPMENT PROPOSES A DUAL OCCUPANCY WITH THE SITES IMPERVIOUS AREA > 40% CONSEQUENTLY THE DEVELOPMENT PROPOSES OSD. A DRAINS HYDRAULIC AND HYDROLOGICAL MODEL WAS CREATED AND IS EXPECTED TO RESTRICT SITES FLOWS TO LESS THAN PRE-DEVELOPMENT CONDITIONS FOR ALL STORM EVENTS UP TO AND INCLUDING THE 1% AEP. DEVELOPMENT FLOW RATES ARE SHOWN ON PAGE S7, COUNCIL CHECKLIST ON PAGE S8 AND OSD DETAILS ON PAGE S5 & S6

RAINWATER REUSE

RAINWATER REUSE TO BE IN ACCORDANCE BASIX CERTIFICATE.

THIS DRAWING SERIES HAS BEEN PREPARED IN GENERAL ACCORDANCE WITH THE ABOVE DOCUMENTS.

PAGE DIRECTORY

TITLE PAGE & NOTES	PAGE S1
MANAGEMENT OF STORMWATER PLAN - BASEMENT	PAGE S2
MANAGEMENT OF STORMWATER PLAN - GROUND FLOOR PAGE 1	PAGE S3
MANAGEMENT OF STORMWATER PLAN - GROUND FLOOR PAGE 2	PAGE S4
MANAGEMENT OF STORMWATER DETAILS PAGE 1	PAGE S5
MANAGEMENT OF STORMWATER DETAILS PAGE 2	PAGE S6
MANAGEMENT OF STORMWATER CALCULATIONS	PAGE S7
MANAGEMENT OF STORMWATER CHECKLIST	PAGE S8

MUNA

Revision Drawn Date

Description

Checked Approved

Client: MACINDOE

Mac2mac Atelier Interiors and Design

No. 93 CROWN ROAD

PENETRATION DIRECTION

PROPOSED DUAL OCCUPANCY

QUEENSCLIFF

TITLE PAGE & NOTES

Project No.

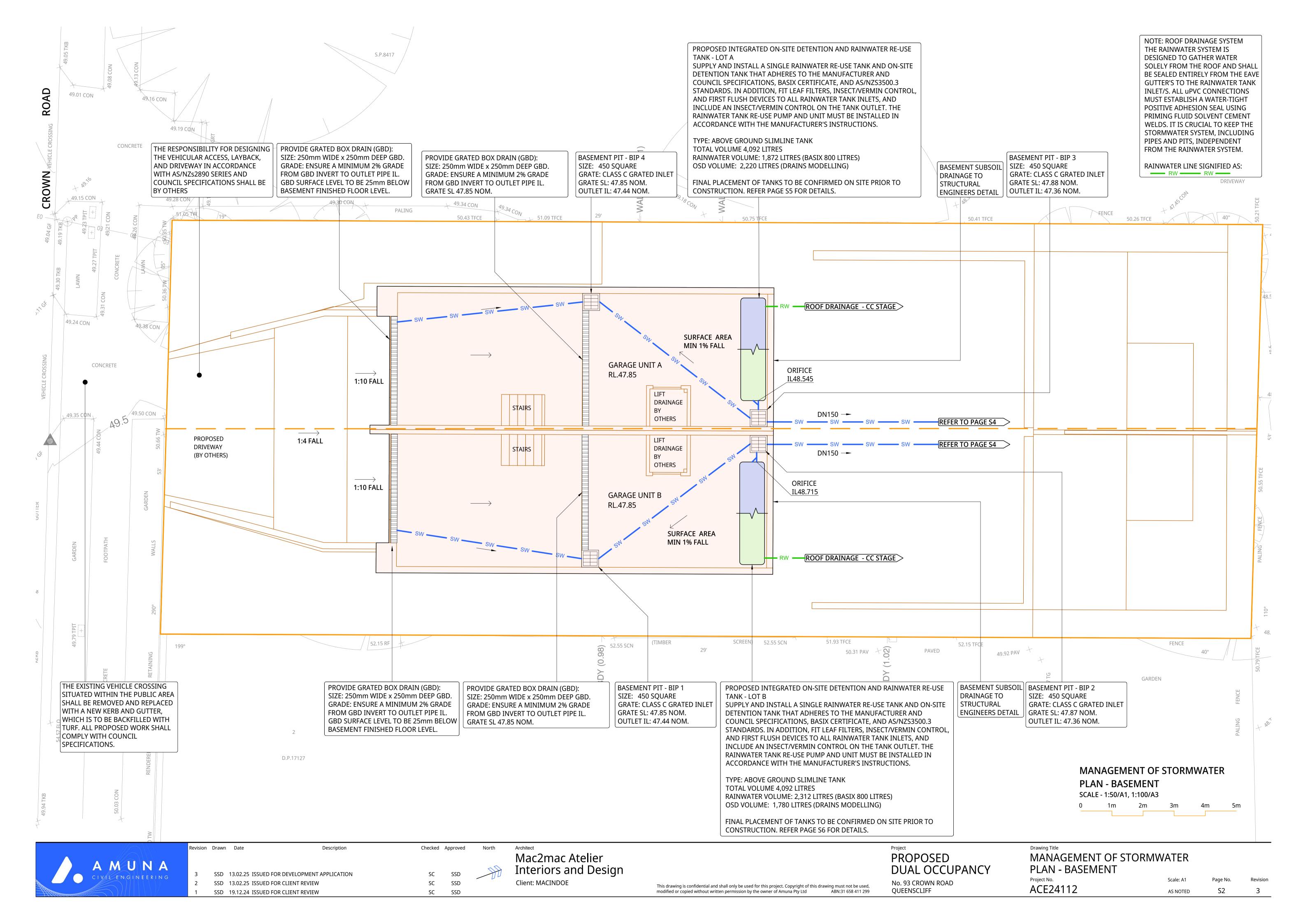
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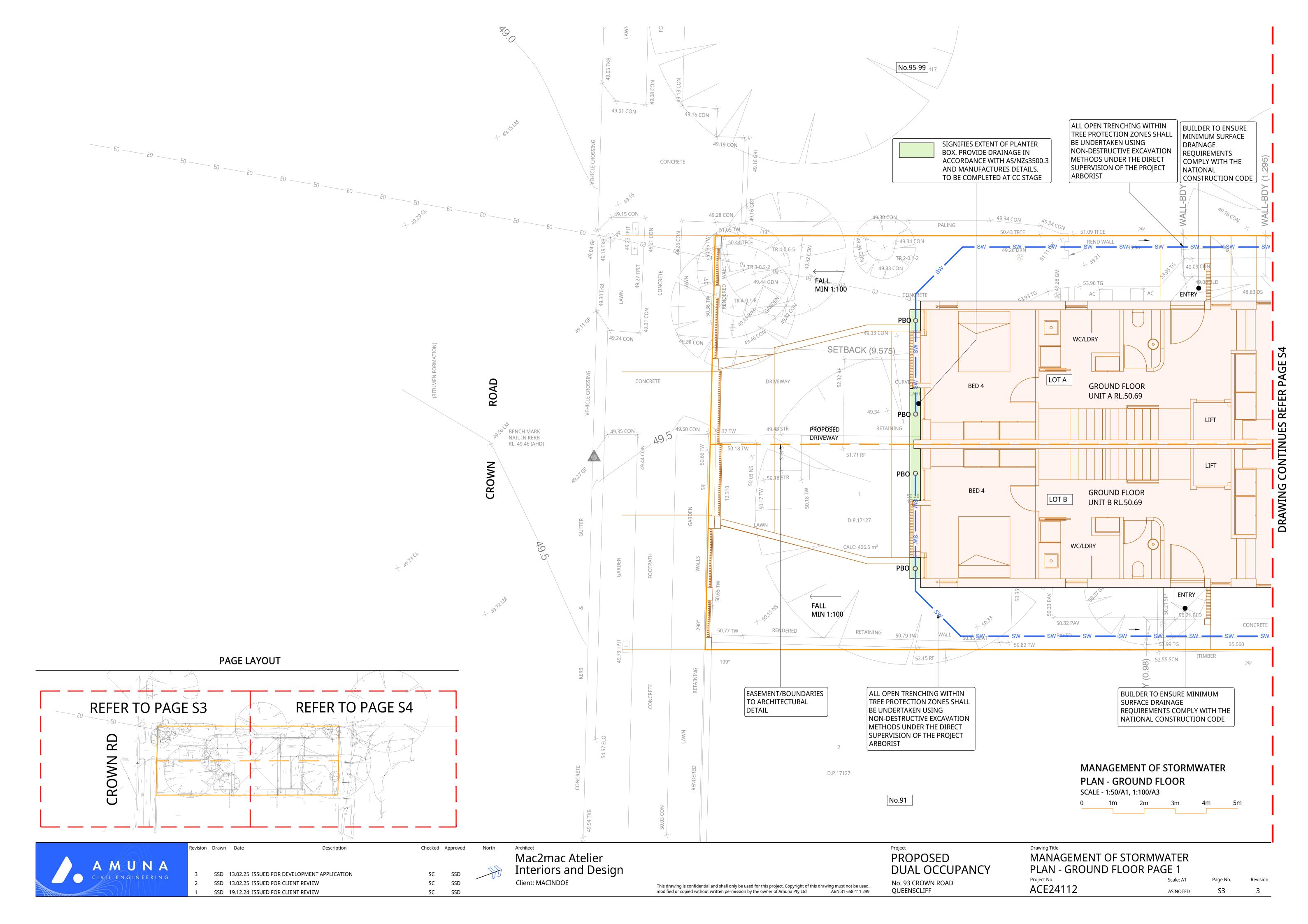
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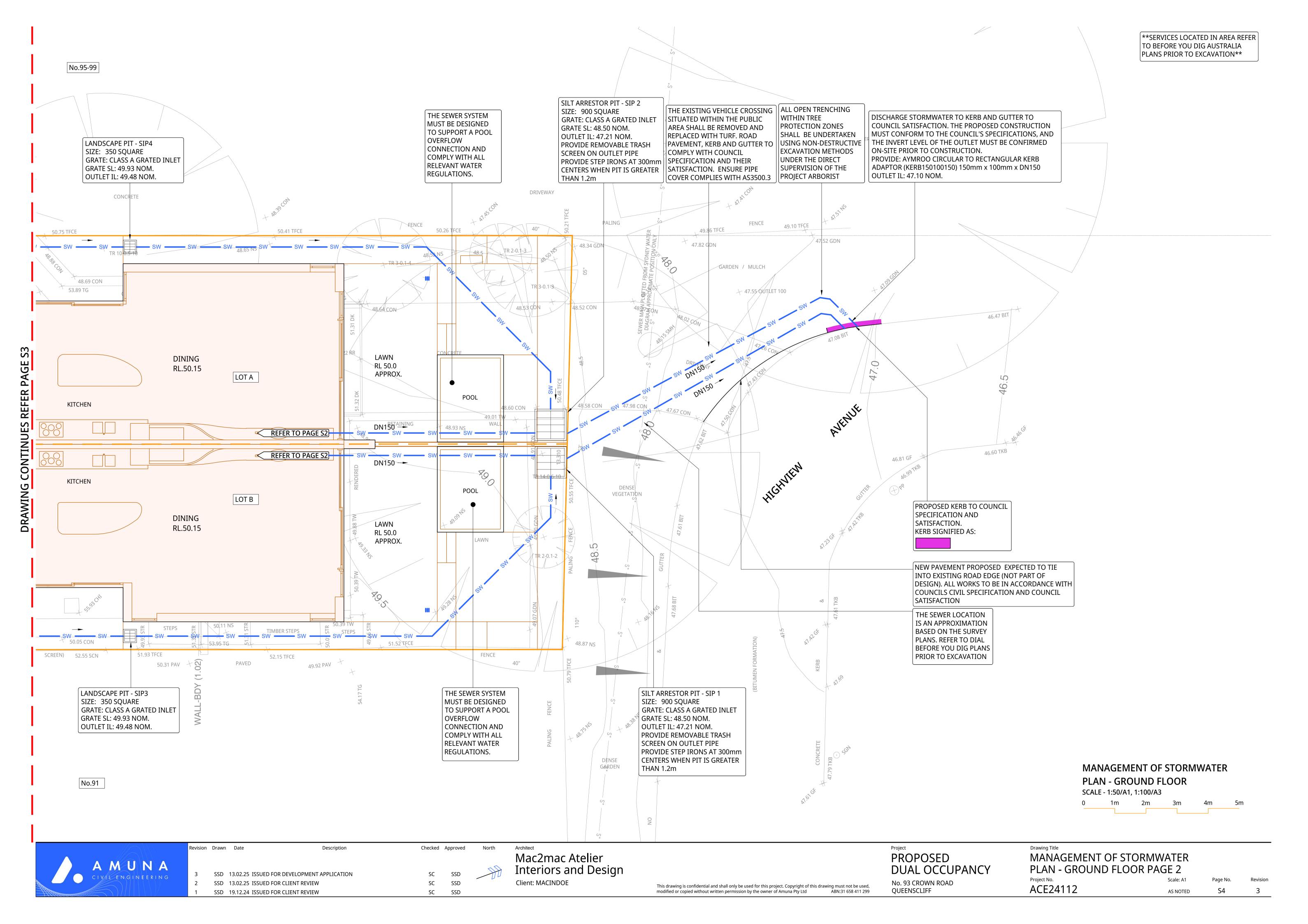
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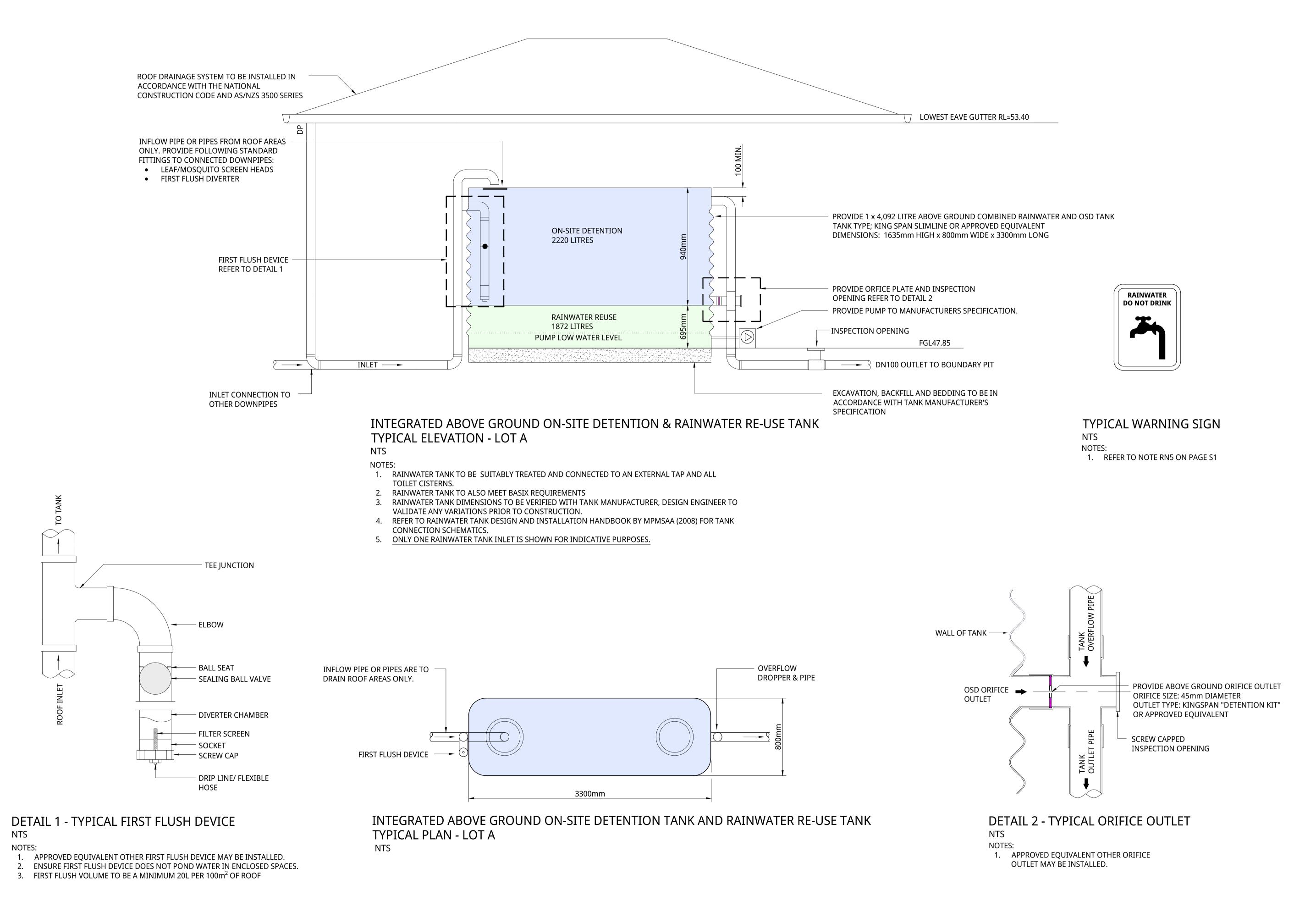
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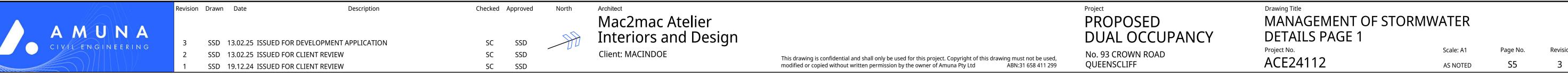
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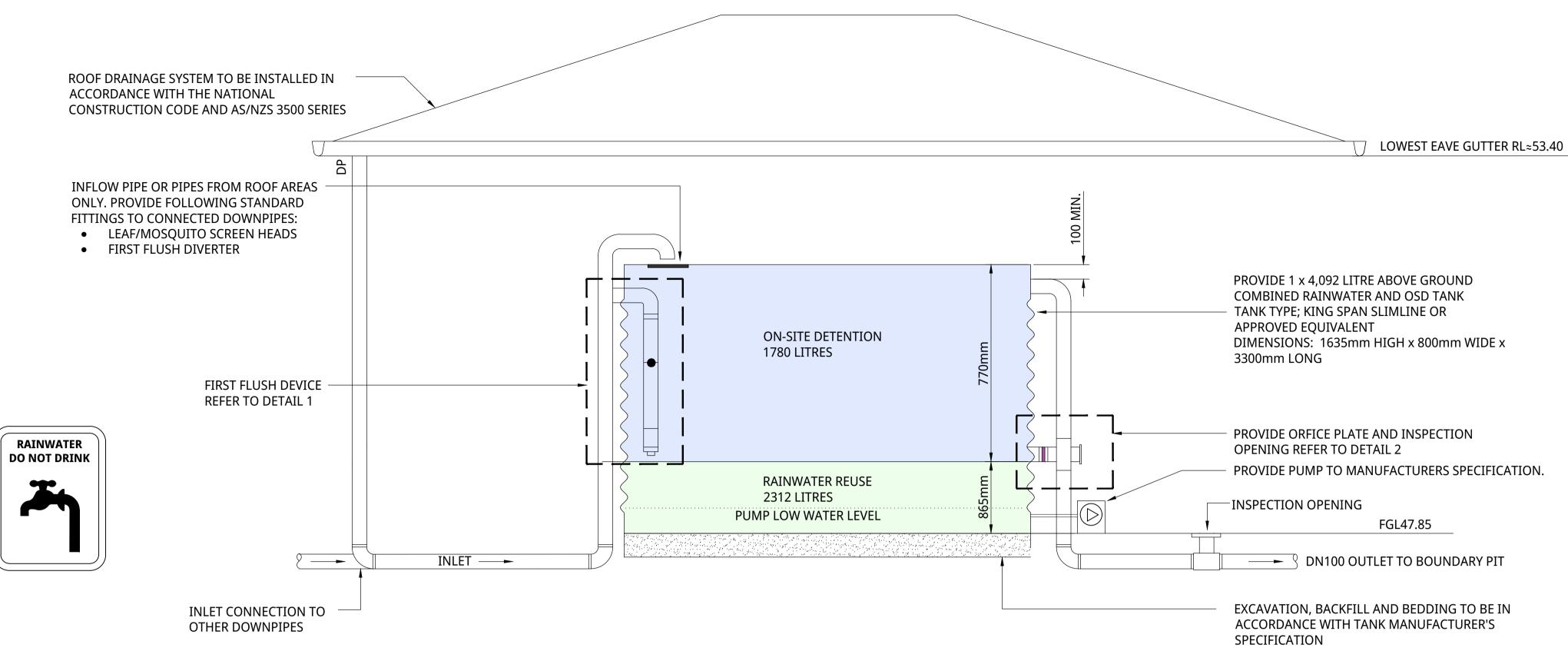












TYPICAL WARNING SIGN

NTS NOTES:

1. REFER TO NOTE RN5 ON PAGE S1

TEE JUNCTION **→** ELBOW **BALL SEAT** FILTER SCREEN SOCKET — SCREW CAP

INTEGRATED ABOVE GROUND ON-SITE DETENTION & RAINWATER RE-USE TANK TYPICAL ELEVATION - LOT B

NTS

- 1. RAINWATER TANK TO BE SUITABLY TREATED AND CONNECTED TO AN EXTERNAL TAP AND ALL TOILET CISTERNS.
- 2. RAINWATER TANK TO ALSO MEET BASIX REQUIREMENTS
- 3. RAINWATER TANK DIMENSIONS TO BE VERIFIED WITH TANK MANUFACTURER, DESIGN ENGINEER TO VALIDATE ANY VARIATIONS PRIOR TO CONSTRUCTION.
- 4. REFER TO RAINWATER TANK DESIGN AND INSTALLATION HANDBOOK BY MPMSAA (2008) FOR TANK CONNECTION SCHEMATICS.
- 5. ONLY ONE RAINWATER TANK INLET IS SHOWN FOR INDICATIVE PURPOSES.

INTEGRATED ABOVE GROUND ON-SITE DETENTION TANK AND RAINWATER RE-USE TANK TYPICAL PLAN - LOT B NTS

WALL OF TANK — -PROVIDE ABOVE GROUND ORIFICE OUTLET OSD ORIFICE 📥 ORIFICE SIZE: 45mm DIAMETER OUTLET OUTLET TYPE: KINGSPAN "DETENTION KIT" OR APPROVED EQUIVALENT SCREW CAPPED **INSPECTION OPENING**

TYPICAL SILT ARRESTOR PIT DETAIL

SECTION

SCALE: 1:10/A1, 1:20/A3

DETAIL 2 - TYPICAL ORIFICE OUTLET

NTS

GALV. TRASH SCREEN

DN150 INLET

4 x 100 DIAMETER -

SEEPAGE HOLES

EASY REMOVAL

(MAXIMESH LYSAGHT RH

3030) WITH HANDLE FOR

GALV. GRATE (CHILDPROOF J-LOCK)

AND FITTINGS TO MANUFACTURERS

SPECIFICATION. REFER TO PLAN FOR

DN150 OUTLET

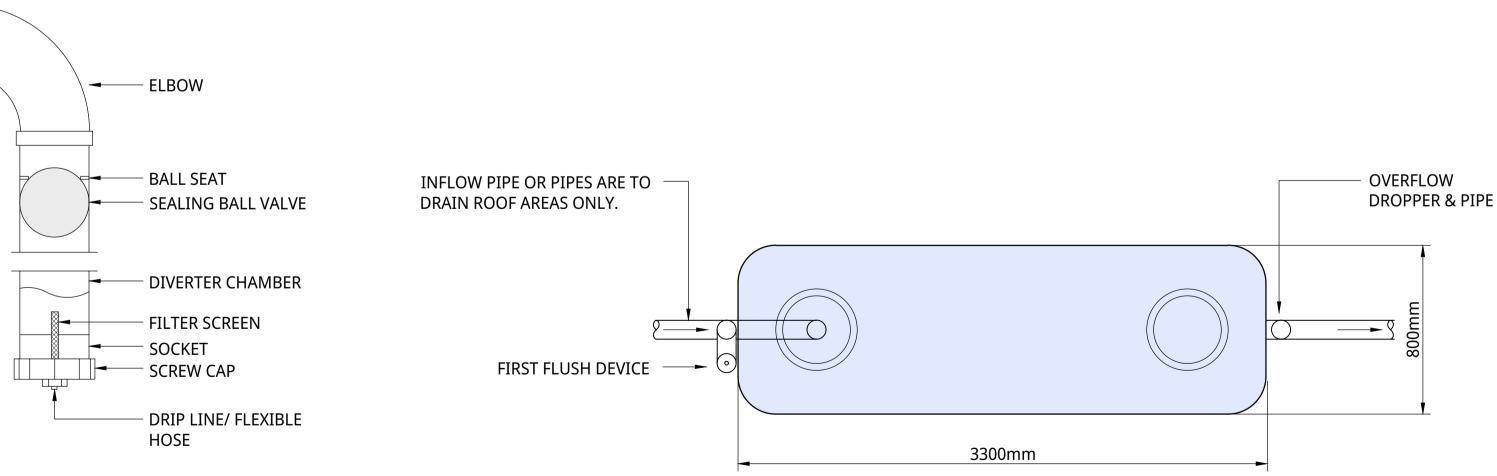
GEOTEXTILE FILTER FABRIC

REMOVABLE GEOTEXTILE

FILTER FABRIC

SIZE AND LEVELS

1. APPROVED EQUIVALENT OTHER ORIFICE OUTLET MAY BE INSTALLED.



DETAIL 1 - TYPICAL FIRST FLUSH DEVICE NTS

NOTES:

APPROVED EQUIVALENT OTHER FIRST FLUSH DEVICE MAY BE INSTALLED.

SSD 19.12.24 ISSUED FOR CLIENT REVIEW

2. ENSURE FIRST FLUSH DEVICE DOES NOT POND WATER IN ENCLOSED SPACES. 3. FIRST FLUSH VOLUME TO BE A MINIMUM 20L PER 100m² OF ROOF

MUNA

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SC SSD

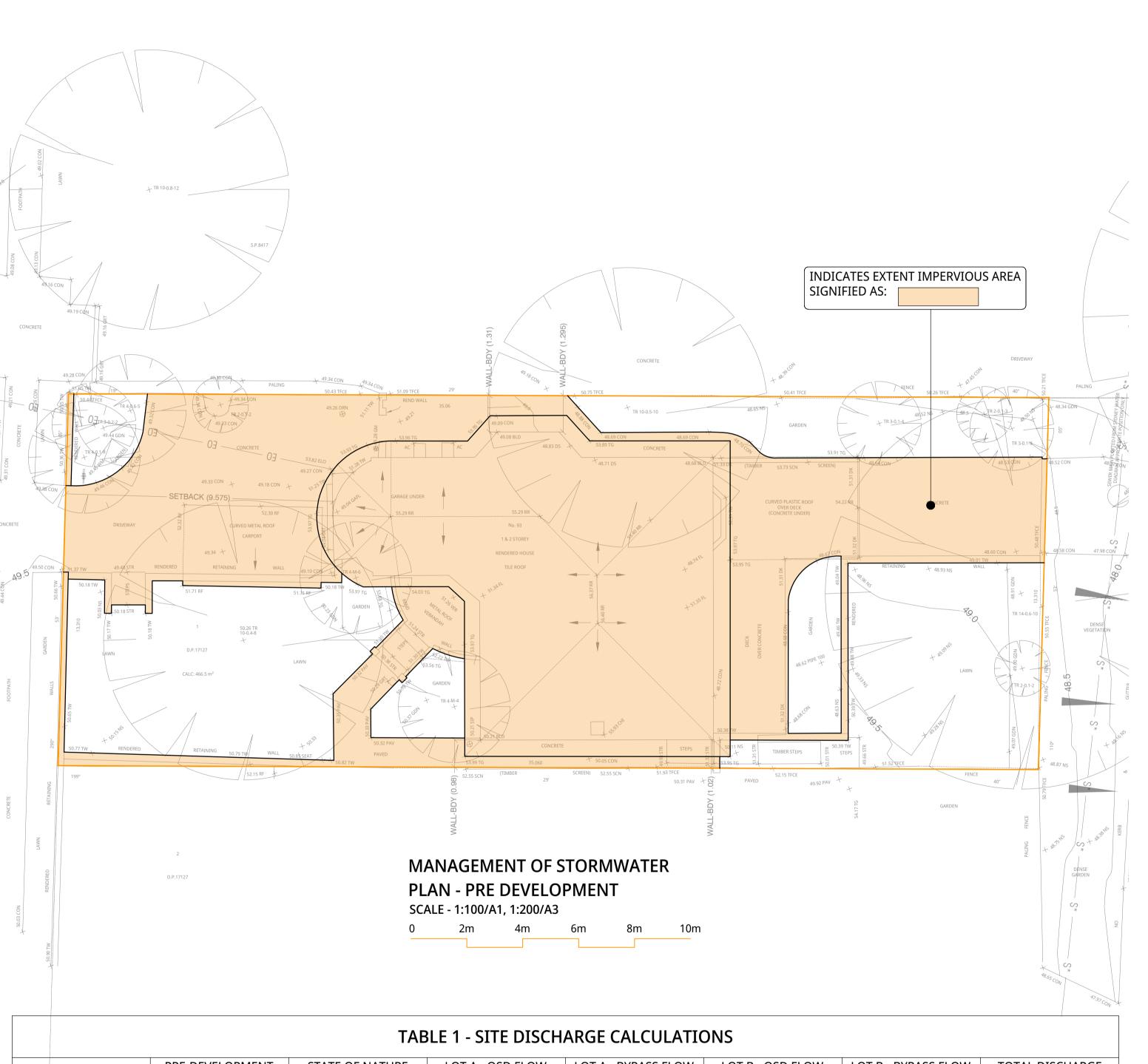
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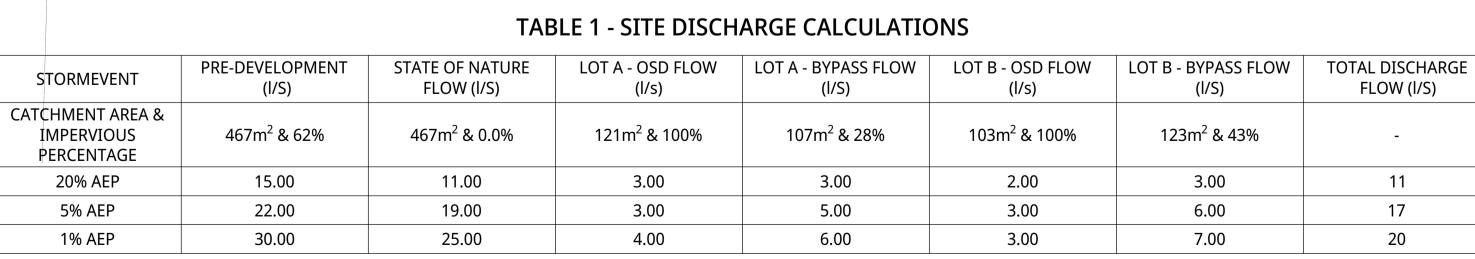
QUEENSCLIFF

MANAGEMENT OF STORMWATER DETAILS PAGE 2 Project No.

Scale: A1 ACE24112 AS NOTED

S6





SITE DISCHARGE RESTRICTED TO PRE-DEVELOPED SITE FLOWS FOR THE 5, 20 AND 100 YEAR STORM EVENTS

SSD 19.12.24 ISSUED FOR CLIENT REVIEW

2. ROOF DRAINAGE TO BE DESIGNED TO THE 100 YEAR STORM EVENT



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SC SSD

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ABN:31 658 411 299 QUEENSCLIFF

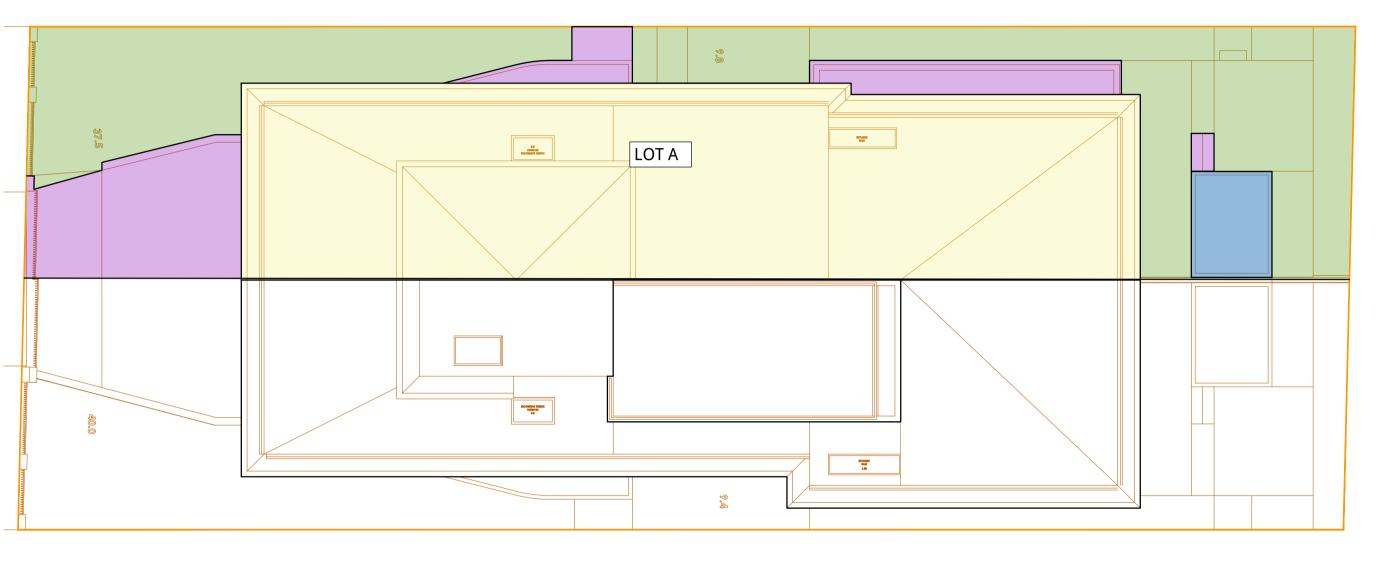
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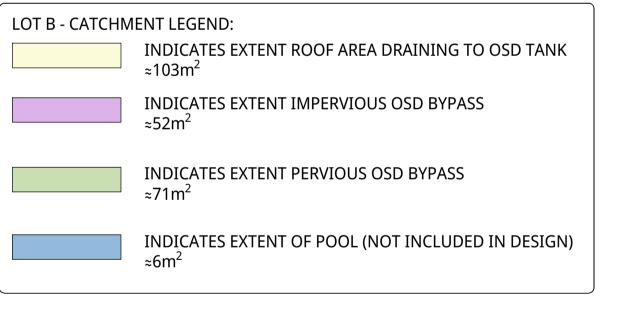
CALCULATIONS

MANAGEMENT OF STORMWATER

Project No. ACE24112

AS NOTED





LOT A - CATCHMENT LEGEND:

INDICATES EXTENT ROOF AREA DRAINING TO OSD TANK

INDICATES EXTENT OF POOL (NOT INCLUDED IN DESIGN)

INDICATES EXTENT IMPERVIOUS BYPASS

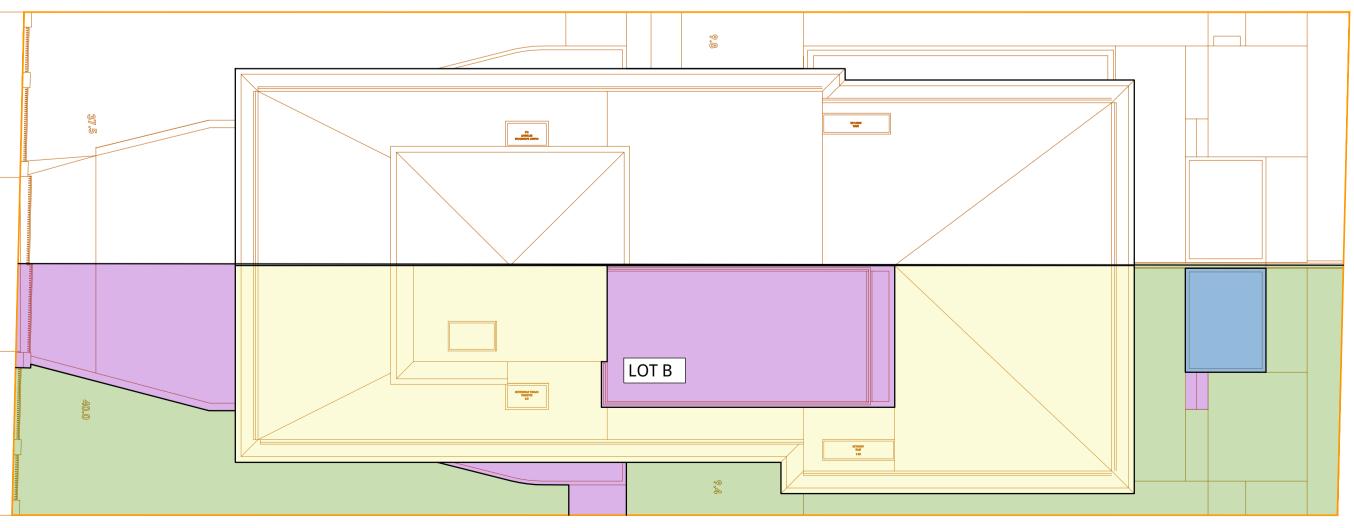
INDICATES EXTENT PERVIOUS BYPASS

MANAGEMENT OF STORMWATER PLAN - POST DEVELOPMENT - LOT B SCALE - 1:100/A1, 1:200/A3

MANAGEMENT OF STORMWATER

SCALE - 1:100/A1, 1:200/A3

PLAN - POST DEVELOPMENT - LOT A





Appendix 16 – On-site Detention Checklist

This checklist is to be used to determine the on-site stormwater disposal requirement for developments and must be completed and included with the submission of any development application for these works. Please read this form carefully for its notes, guidelines, definition and relevant policies.

For assistance and support, please contact Council's Development Engineering and Certification team on

Part 1 Location	of the Property R	EFER TO TITLE	
House Humber		Legal Property Description	
Street		Lot	
Suburb		Section	
Postcode		DP	

Part 2 Site Details

	Northern Beaches Stormwater Regions (refer to Map 2 of Northern Beaches Council's Water Management for Development policy)	2	Total Site Area	466.5m ²
	Pre-Development Impervious Area	290m ²	Post-Development Impervious Area	306m ²
	Is the site of the development located within an established Flood Prone Land as referred to Council's Local Environmental Plans? If yes, On-site stormwater Detention system (OSD) is not required and please proceed to part 5 of this checklist If no, please proceed to part 3 of this checklist.		Yes □ No ■	

Part 3: Northern Beaches Stormwater Regions

(refer to Map 2 of Northern Beaches Council's Water Management for Development If the site of the development located within Region 1, please proceed to the part 4.1 of this checklist If the site of the development located within Region 2, please proceed to the part 4.2 of this checklist

If the site of the development ocated within Region 3, please proceed to the part 4.3 of this checklist If the site of the development located within Region 4, please refer to Council's Warriewood Valley Water Management Specification.

 Version 2
 26 February 2021
 Water Management for Development Policy
 2021/154368
 Page 90 of 100

Part 4 Determination of OSD Requirements

Part 4.1 Northern Beaches Stormwater Region 1

Is the additional impervious area of the development more than 50 m² cumulative basis since February 1996? If yes, OSD is required and please, refer to section 9.3.1 of Council's Water Management for Development not required and please proceed to the part 5 of this checklist

Part 4.2 Northern Beaches Stormwater Region 2

Part 4.2.1 Description of Work

Residential flat building, commercial, industrial, multiple occupancy development and subdivisions resulting in the creation of three lots or more, will require OSD in all case. Please provide a design in accordance with the section 9.3.2 of Council's Water Management for Development Policy. Any single residential building development, please proceed to part 4.2.2 of this checklist.

Part 4.2.2 Exemption

Is the site area less than 450m ² ?	Yes □ No ■
Does the site of the development drain directly to the ocean without the need to pass through a drainage control structure such as pipe, bridge, culvert, kerb and gutter or natural drainage system?	Yes □ No ■
Is it an alternation and addition development to the existing dwellings?	Yes □ No ■
If yes to any of the above questions, OSD is not required.	

If no to all the above questions, proceed to part 4.2.3 Part 4.2.3 Determination of OSD Requirements

OSD will not be required when (a) is greater than (b) Is OSD required for this development (tick one only) Yes ■ No □

If yes, provide a design in accordance with the section 9.3.2 of Council's Water Management for Development Policy. If no, OSD is not required and please proceed to part 5 of this checklist.

Yes 📘 No 🗆

Site area: This refers to the area of the land bounded

Impervious area: This refers to driveways, parking spaces, pathways, paved areas, hardstand areas,

Pre Development Impervious area: This refers all

impervious areas of the site before the development.

Post Development Impervious areas: This refers all the impervious areas within the site after the

by its existing or proposed boundaries.

roofed areas, garages and outbuildings.

development is completed.

If yes, provide a design in accordance with section 5.1 of Council's Water Management for Development

If no, provide a design in accordance with section 5.5 of Council's Water Management for Development

 Version 2
 26 February 2021
 Water Management for Development Policy
 2021/154368
 Page 91 of 100

Part 5 Disposal of Stormwater

Definitions

Does the site fall naturally towards the street?

Designed to help you fill out this application

Part 4.3 Northern Beaches Stormwater Region 3

Part 4.3.1 Stormwater Zone

In the region, the method of stormwater control to be applied shall depend on the location of the site. Please refer to Map 3 of Northern Beaches Council's Water Management for Development policy. If the site of the development located within stormwater zone 1, please proceed to the part 4.3 7 of this

If the site of the development located within stormwater zone 2, please provide a design in accordance with the section 9.3.3.3 of Council's Water Management for Development Policy.

If the site of the development located within stormwater zone 3, please provide a resign in accordance with the section 9.3.3.4 of Council's Water Management for Development Police

If the site of the development located within stormwater zone 4, please provide a design in accordance with the section 9.3.3.5 of Council's Water Management for Development Policy. Part 4.3.2 Determination of OSD requirements in Stormwater Zone 1

Part 4.3.2.1 For A New Building

1) Exemption a) Is the site area less than 400?

,	b) Is the post-development impervious area less than 190 m ² ?	Yes □	No
	If yes to both questions, OSD is not required. If no to any of the above questions, please process to calculation		
) Calculation	a) Site aream² x 0.35 =m² + 50 =m² b) Post- development impervious aream² Cost will not be required when (b) is less than 250 m² and (a) is greatly soft of this development? If yes, provide a design in accordance with the section 9.3.3.2 of Cost Management for Development Policy. If no, Ost is not required and please proceed to part 5.	Yes □	`No I
	· _		

Part 4.3.2.2 For Alterations and Additions

If the current impervious area of the site is more than 60% of the site area, OSD will be required. Alternatively, please proceed to the next calculation section.

1) Calculation

Is the post development impervious area increased by less than 50 m²? Yes □ No □ Is the post development impervious area less than 60% of the site area? Yes \Box No \Box

If yes to both questions, OSD is not required. If no to any of the above questions, provide a design in accordance with section

9.3.3.2 of Council's Water Management for Development Policy

Version 2 | 26 February 2021 | Water Management for Development Policy | 2021/154368 | Page 92 of 100

Version 2 | 26 February 2021 | Water Management for Development Policy | 2021/154368 | Page 93 of 100

Revision Drawn Date

Description

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Mac2mac Atelier
Interiors and Design Client: MACINDOE

Yes □ No □

Yes □ No □

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PROPOSED **DUAL OCCUPANCY** No. 93 CROWN ROAD

QUEENSCLIFF

MANAGEMENT OF STORMWATER CHECKLIST Project No.

ACE24112

AS NOTED

3 SSD 13.02.25 ISSUED FOR DEVELOPMENT APPLICATION SC 2 SSD 13.02.25 ISSUED FOR CLIENT REVIEW SC SSD SSD 19.12.24 ISSUED FOR CLIENT REVIEW SC SSD