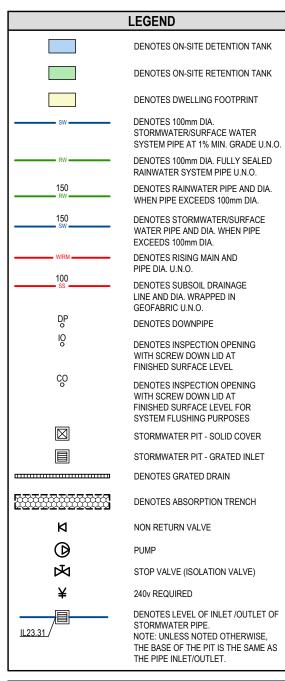
PROPOSED DEVELOPMENT (No.29) EMERALD STREET, NARRABEEN **PROPOSED DRIVEWAY PLANS**



DIAL BEFORE YOU DIG



IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES

GENERAL NOTES

- THESE PLANS SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT CONSULTANTS' PLANS, SPECIFICATIONS, CONDITIONS OF DEVELOPMENT CONSENT AND CONSTRUCTION CERTIFICATE REQUIREMENTS. WHERE DISCREPANCIES ARE FOUND HYDRACOR CONSULTING ENGINEERS PTY LTD MUST BE CONTACTED IMMEDIATELY FOR VERIFICATION WHERE THESE PLANS ARE NOTED FOR DEVELOPMENT APPLICATION 2 PURPOSES ONLY, THEY SHALL NOT BE USED FOR OBTAINING A CONSTRUCTION CERTIFICATE NOR USED FOR CONSTRUCTION PURPOSES SUBSOIL DRAINAGE SHALL BE DESIGNED AND DETAILED BY THE 3. STRUCTURAL ENGINEER. SUBSOIL DRAINAGE SHALL NOT BE CONNECTED INTO THE STORMWATER SYSTEM IDENTIFIED ON THESE PLANS UNLESS APPROVED BY HYDRACOR CONSULTING ENGINEERS PTY LTD. STORMWATER CONSTRUCTION NOTES ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH AS/NZS 3500 (CURRENT EDITION) AND THE REQUIREMENTS OF THE LOCAL COUNCIL'S POLICIES AND CODES THE MINIMUM SIZES OF THE STORMWATER DRAINS SHALL NOT BE 2. LESS THAN DN90 FOR CLASS 1 BUILDINGS AND DN100 FOR OTHER CLASSES OF BUILDING OR AS REQUIRED BY THE REGULATORY AUTHORITY THE MINIMUM GRADIENT OF STORMWATER DRAINS SHALL BE 1%, 3. UNLESS NOTED OTHERWISE COUNCIL'S TREE PRESERVATION ORDER IS TO BE STRICTLY 4. ADHERED TO. NO TREES SHALL BE REMOVED UNTIL PERMIT IS OBTAINED
- PUBLIC UTILITY SERVICES ARE TO BE ADJUSTED AS NECESSARY AT 5. THE CLIENT'S EXPENSE
- ALL PITS TO BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS 6 FOR ALL PITS OVER 1.2m DEEP
- MAKE SMOOTH JUNCTION WITH ALL EXISTING WORK
- 8 VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION
- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM Q INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATIONS AND ARE NOT GUARANTEED COMPLETE NOR CORRECT. IT IS THE CLIENT & CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PRIOR TO CONSTRUCTION
- ANY VARIATION TO THE WORKS AS SHOWN ON THE APPROVED 10. DRAWINGS ARE TO BE CONFIRMED BY HYDRACOR CONSULTING ENGINEERS PTY LTD PRIOR TO THEIR COMMENCEMENT

RAINWATER RE-USE SYSTEM NOTES

- RAINWATER SUPPLY PLUMBING TO BE CONNECTED TO OUTLETS WHERE REQUIRED BY BASIX CERTIFICATE (BY OTHERS)
- TOWN WATER CONNECTION TO RAINWATER TANK TO BE TO THE 2 SATISFACTION OF THE REGULATORY AUTHORITY. THIS MAY REQUIRE PROVISION OF:
 - 2.1. PERMANENT AIR GAP
 - BACKFLOW PREVENTION DEVICE 22
- NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE 3. RAIN WATER SUPPLY
- AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT 4 THE RAINWATER TANK
- PROVIDE APPROPRIATE FLOAT VALVES AND/OR SOLENOID VALVES 5 TO CONTROL TOWN WATER SUPPLY INLET TO TANK IN ORDER TO ACHIEVE THE TOP-UP INDICATED ON THE TYPICAL DETAIL
- ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH AS/NZS3500.1 NATIONAL PLUMBING AND DRAINAGE CODE
- PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY A LICENSED ELECTRICIAN
- ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK SURFACE WATER INLETS ARE NOT TO BE CONNECTED
- 9 PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS/NZS3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED AS 'RAINWATER'. THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE (MADE IN ACCORDANCE WITH AS2648) OR FOR ABOVE GROUND PIPES BY USING ADHESIVE PIPE MARKERS (MADE IN ACCORDANCE WITH AS1345)
- 10. EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELED 'RAINWATER' ON A METALLIC SIGN IN ACCORDANCE WITH AS1319
- 11. ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO AND VERMIN ENTRY

SHEET INDEX	
COVER SHEET & NOTES	SHEET C1
STORMWATER MANAGEMENT PLAN	SHEET C2
STORMWATER MANAGEMENT DETAILS SHEET No.1	SHEET C3
STORMWATER MANAGEMENT DETAILS SHEET No.2	SHEET C4

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							Client
					North		ППОВ
В	ISSUED FOR REVIEW	17.04.25	IK	BK			
A	ISSUED FOR REVIEW	07.03.25	IK	BK	1 (7	
Issue	Description	Date	Drawn	Approved			



HYDRACOR Consulting Engineers Pty Ltd Platinum Building, Suite 2.01, 4 Ilva Avenue FRINA NSW 2250. Australia +61 2 4324 3499

NORTHERN BEACHES COUNCIL REQUIREMENTS

SITE AREA (m²) 600 5 PRE-DEVELOPED IMPERVIOUS AREA (m²) 404 POST DEVELOPED IMPERVIOUS AREA (m²) 390.5

RAINWATER RE-USE RAINWATER RE-USE TANK PROVIDED IN ACCORDANCE WITH BASIX REQUIREMENT

ON-SITE DETENTION OSD NOT REQUIRED AS THE SITE IS LOCATED WITHIN A FLOOD PRONE LAND.

2.

DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S WATER MANAGEMENT FOR DEVELOPMENT POLICY, AR&R AND AS/ANZS 3500

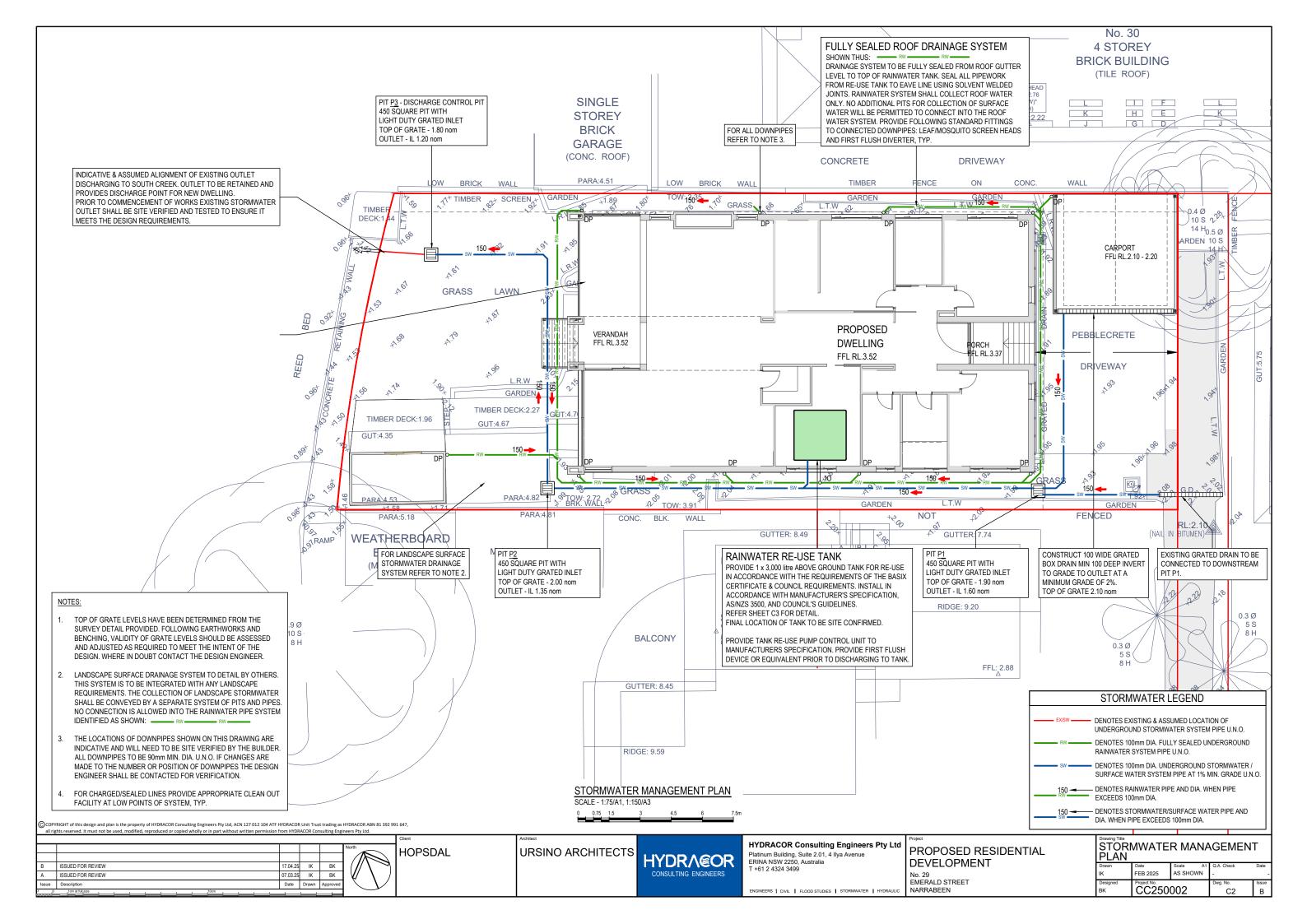


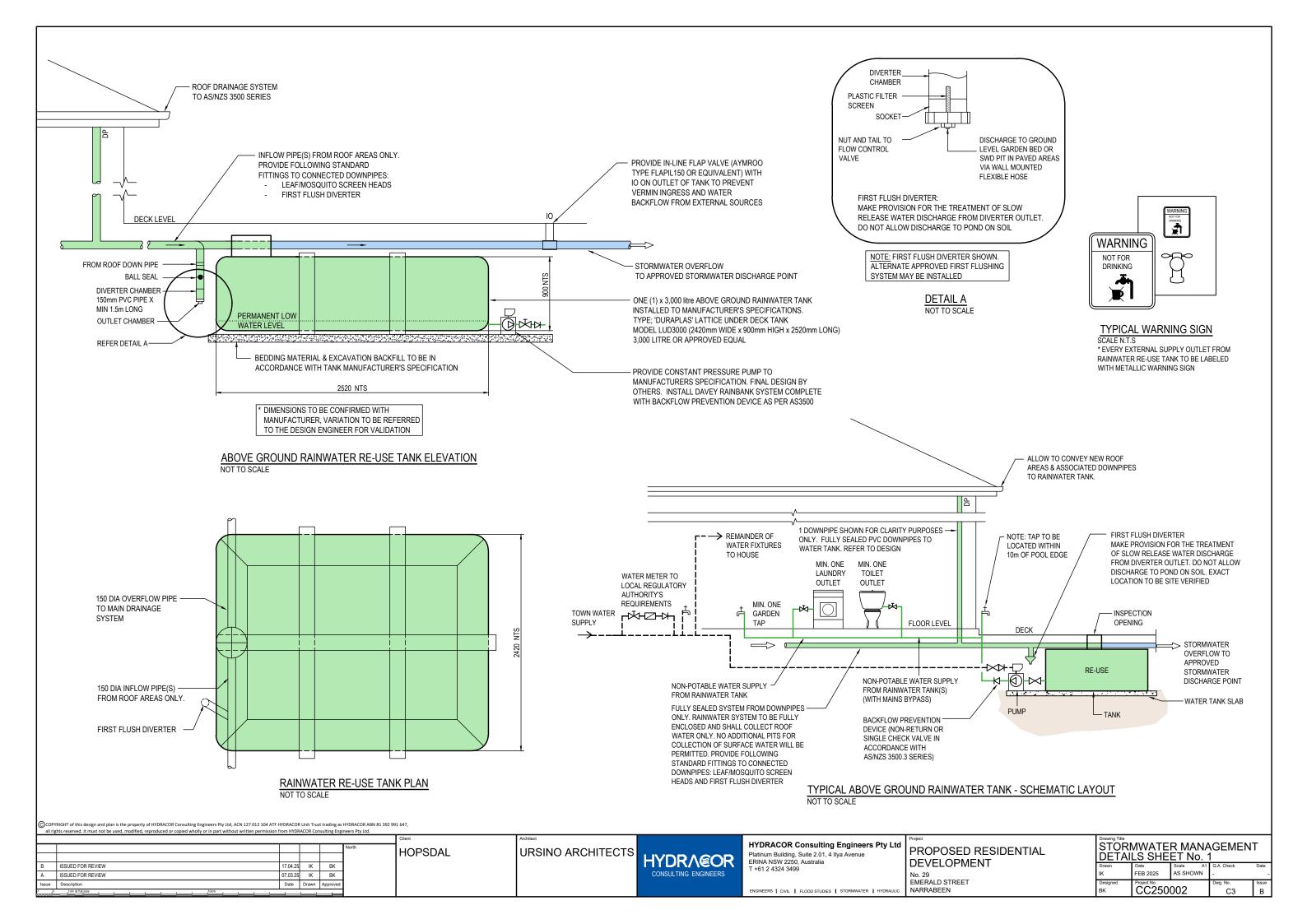
DEVELOPMENT APPLICATION ISSUE NOT FOR CONSTRUCTION

DRAWINGS MUST BE PRINTED IN COLOUR

PROPOSED RESIDENTIAL DEVELOPMENT

COVE	R SHEE	T & NO	TES	
Drawn	Date	Scale A1	Q.A. Check	Date
IK	FEB 2025	AS SHOWN	-	
Designed	Project No.		Dwg. No.	Issue
BK	CC250	002	C1	В







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 1300 434 434.

Part 1 Location	Part 1 Location of the Property									
House Humber 29 Legal Property Description										
Street	EMERALD STREET	Lot	1							
Suburb	NARRABEEN	Section								
Postcode	2101	DP	947441							

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	600.5
Pre-Development Impervious Area	404	Post-Development Impervious Area	390.5
Is the site of the development located with referred to Council's Local Environmental	Yes 🔽 No 🗆		
If yes, On-site stormwater Detention system to part 5 of this checklist If no, please proceed to part 3 of this check			

(refer to Map 2		s Stormwater ches Council's Wa	•	t for Develop	ment policy)				
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	e development lo	cated within Regi	on 2, please proc	eed to the pa	art 4.2 of this	checklist			
If the site of the	e development lo	cated within Regio	on 3, please proc	eed to the pa	art 4.3 of this	checklist			
If the site of the Management S	•	cated within Regio	on 4, please refer	to Council's	Warriewood	Valley Wate			
Version 2 26	February 2021	Water Manageme	nt for Development	Policy 2	2021/154368	Page 90 c			
1									

Part 5 Disposal of Stormwater

Does the site fall naturally towards the street?

If yes, provide a design in accordance with section 5.1 of Con Policy. If no, provide a design in accordance with section 5.5 of Cou Policy.

Definitions

Designed to help you fill out this application	Site area by its exi- Impervice spaces, p roofed ar Pre Deve impervice Post Dev all the im developm

Version 2 | 26 February 2021 | Water Management for Develo

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all rig	ts reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission	rom HYD	RACOR Co	nsulting Eng	ineers Pty Ltd.				
A	ISSUED FOR REVIEW ISSUED FOR REVIEW Descriptionform at full parts	17.04.25 07.03.25 Date		BK BK Approved	North	HOPSDAL	URSINO ARCHITECTS	HYDRACOR CONSULTING ENGINEERS	Project PROPOSED RES DEVELOPMENT No. 29 EMERALD STREET NARRABEEN
-									

northern beaches council	
Yes 🗆 No 🔽	
uncil's Water Management for Development	
ncil's Water Management for Development	
ca: This refers to the area of the land bounded kisting or proposed boundaries. ious area: This refers to driveways, parking pathways, paved areas, hardstand areas, areas, garages and outbuildings. velopment Impervious area: This refers all bus areas of the site before the development. avelopment Impervious areas: This refers mpervious areas within the site after the ment is completed.	
opment Policy 2021/154368 Page 93 of 100	
IT DETAILS SHEET No. 1 Drawn Date Scale A1 Q.A. Check	Date
IK FEB 2025 AS SHOWN -	

Project No. CC250002

C3