

CLIENT: **BRETT CROWTHER**

DRAWING LIST		
DWG No.	REV	DWG TITLE
GENERAL		
PS02-A000	B	COVER SHEET
FLOODING		
PS02-KZ00	B	FLOOD STORAGE VOLUME CALCULATIONS
PS02-KZ10	B	BASEMENT PLAN (FLOOD STORAGE DETAILS)
PS02-KZ20	B	FLOOD STORAGE (TANK SECTION AND DETAILS)



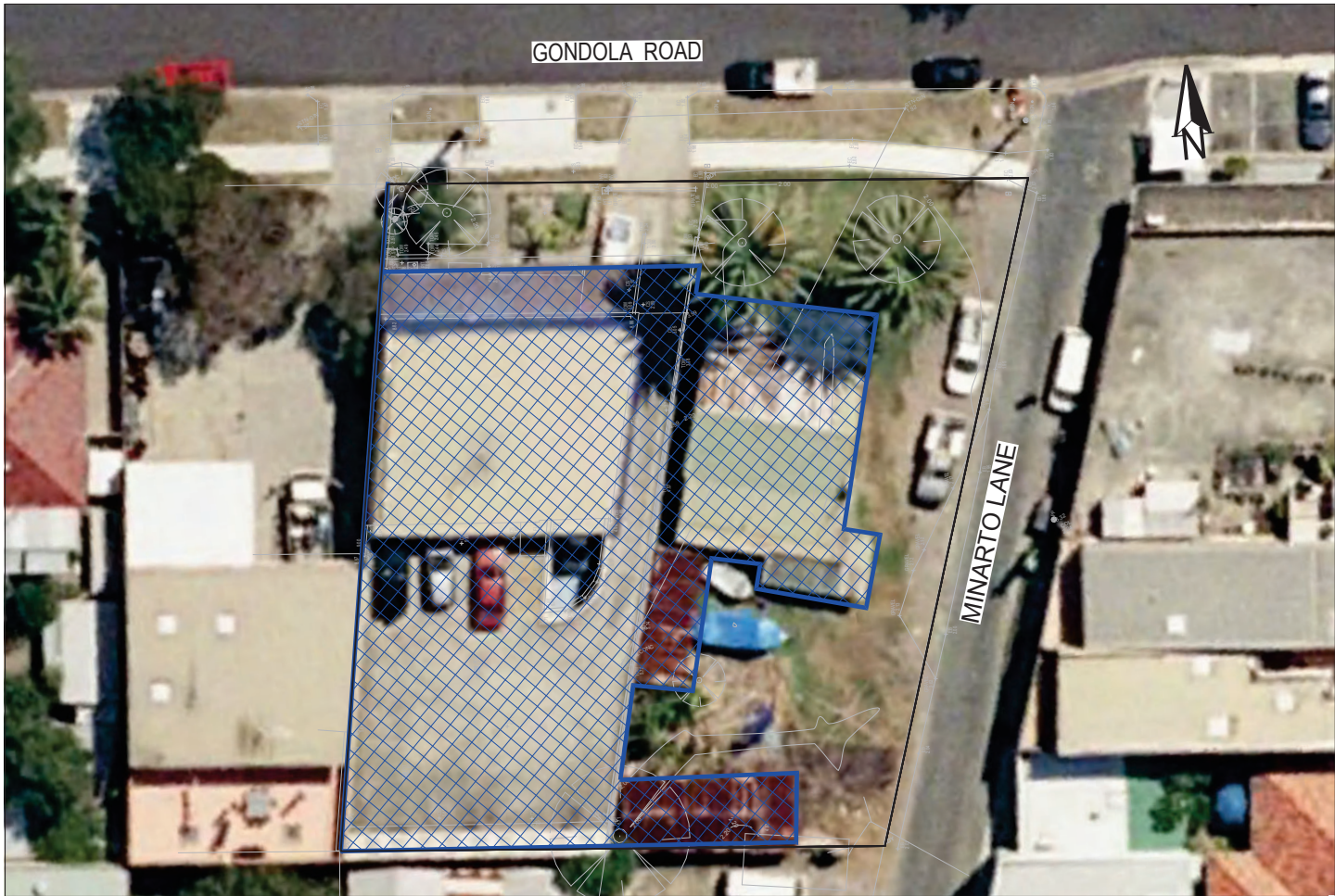
SITE PLAN
N.T.S.

LGA: NORTHERN BEACHES COUNCIL

1-3 GONDOLA STREET, NORTH NARRABEEN, NSW
LOTS 187/DP16719 & 188/DP16719

DEVELOPMENT APPLICATION

REV		DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	 Consulting Engineers Environment Water Geotechnical Civil		DRAWING TITLE								
B	MINOR AMENDMENTS		31/01/2025	SSH	PD	JCF	GT				GT	BRETT CROWTHER			COVER PAGE								
A	INITIAL RELEASE		24/01/2025	SSH	PD	GT	GT					PROJECT NAME/PLANSET TITLE			PROJECT NO. PLANSET NO. RELEASE NO. DRAWING NO. REVISION								
												FLOOD ENGINEERING SERVICES			PS02 R03 PS02-A000 B								
												FLOOD STORAGE ASSESSMENT											
												1-3 GONDOLA STREET, NORTH NARRABEEN, NSW											
A1 / A3 LANDSCAPE (A/LC v02.001)								DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd				PROJECT NAME/PLANSET TITLE FLOOD ENGINEERING SERVICES FLOOD STORAGE ASSESSMENT 1-3 GONDOLA STREET, NORTH NARRABEEN, NSW				Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8787 Email: mail@martens.com.au Internet: www.martens.com.au				DRAWING ID: P2310036-PS02-R03-A000			



EXISTING BUILT FOOTPRINT AREAS (SEE NOTE 1)

SCALE 1:200



PROPOSED BUILT FOOTPRINT AREAS (SEE NOTE 2)

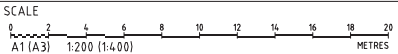
SCALE 1:200

FLOOD STORAGE		
AREAS		UNITS
EXISTING 'BUILT' FOOTPRINT	790	m ²
PROPOSED 'BUILT' FOOTPRINT	1068	m ²
FLOOD DATA	CURRENT 1% AEP	
GROUND LEVEL	2.03	mAHD
FLOOD LEVEL	3.03	mAHD
FLOOD DEPTH	1	m
FLOOD STORAGE OCCUPIED	CURRENT 1% AEP	
EXISTING	499	m ³
DEVELOPED	221	m ³
STORAGE SHORTFALL	278	m ³
PROPOSED STORAGE VOLUME	278	m ³

NOTES:

1. BASED ON GOOGLE EARTH AERIAL DATED 2007
2. BASED ON ARCHITECTURAL PLANS DATED 13/12/2024

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GRID	DATUM	PROJECT MANAGER
LOCAL	mAHD	GT
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CLIENT
BRETT CROWTHER
PROJECT NAME/PLANSET TITLE
FLOOD ENGINEERING SERVICES
FLOOD STORAGE ASSESSMENT
1-3 GONDOLA STREET, NORTH NARRABEEN, NSW



Consulting Engineers
Environment
Water
Geotechnical
Civil

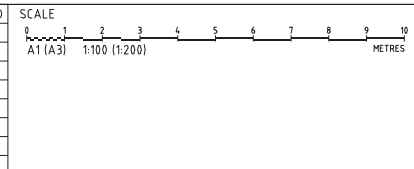
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DEVELOPMENT APPLICATION

DRAWING TITLE				
FLOOD STORAGE VOLUME CALCULATIONS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2310036	PS02	R03	PS02-KZ00	B



REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	31/01/2025	SSH	PD	JCF	GT
A	INITIAL RELEASE	24/01/2025	SSH	PD	GT	GT

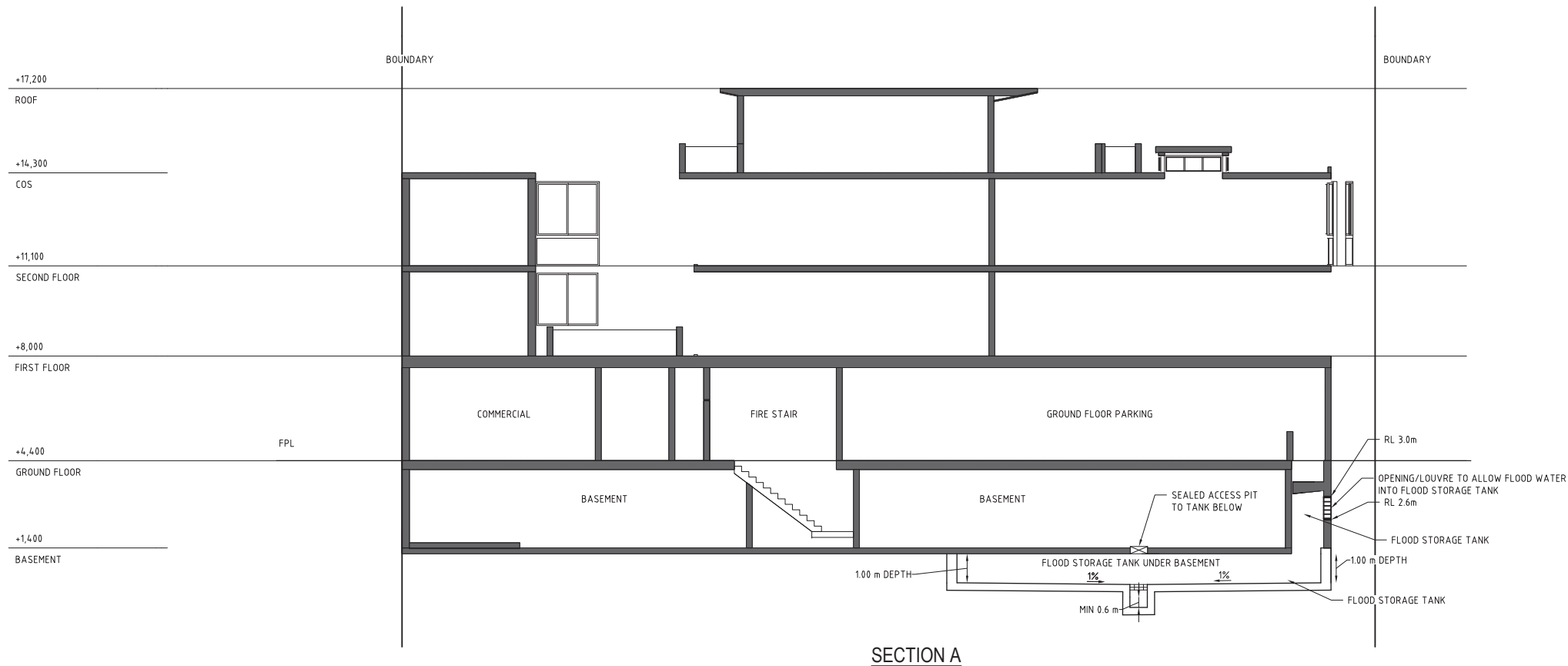


GRID LOCAL
DATUM mAHD
PROJECT MANAGER GT
CLIENT
BRETT CROWTHER
FLOOD ENGINEERING SERVICES
FLOOD STORAGE ASSESSMENT
1-3 GONDOLA STREET, NORTH NARRABEEN, NSW

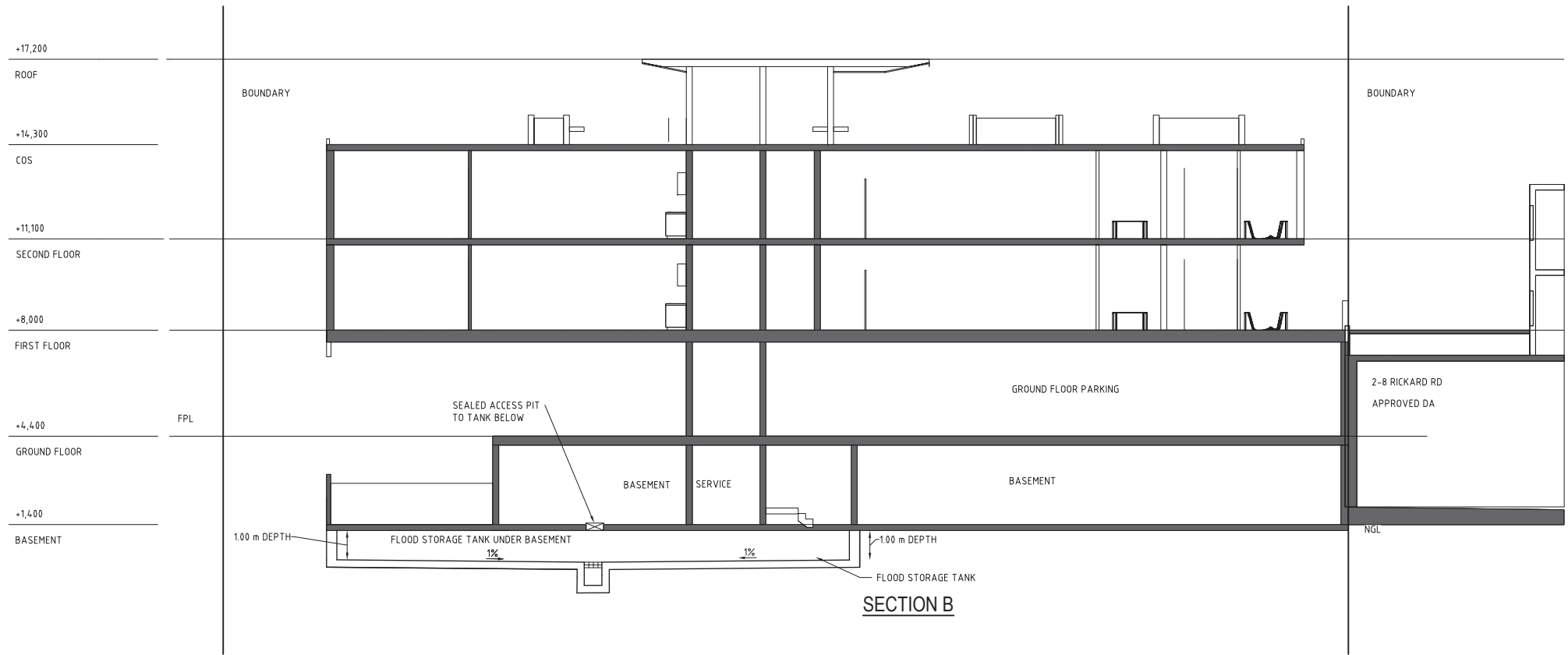
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DRAWING TITLE				
BASEMENT PLAN (FLOOD STORAGE DETAILS)				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2310036	PS02	R03	PS02-KZ10	B



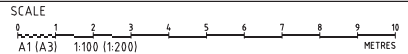
SECTION A



SECTION B

DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	31/01/2025	SSH	PD	JCF	GT
A	INITIAL RELEASE	24/01/2025	SSH	PD	GT	GT



GRID LOCAL
DATUM mAHD
PROJECT MANAGER GT
CLIENT
BRETT CROWTHER
PROJECT NAME/PLANSET TITLE
FLOOD ENGINEERING SERVICES
FLOOD STORAGE ASSESSMENT
1-3 GONDOLA STREET, NORTH NARRABEEN, NSW

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DRAWING TITLE				
FLOOD STORAGE TANK (SECTION AND DETAILS)				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P2310036	PS02	R03	PS02-KZ20	B

DRAWING ID: P2310036-PS02-R03-KZ20

