

EAST ELEVATION AS SEEN FROM HILL END ROAD

# WEST ELEVATION

NOTES
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2. VERIFY ALL DIMENSIONS ON SITE
3. DO NOT SCALE, USE FIGURED DIMENSIONS ONLY
4. VERIFY ALL DIMENSIONS ON SITE
5. ALL WORKS TO COMPLY WITH THE NATIONAL
CONSTRUCTION CODE (B.C.A) & AUSTRALIAN STANDARDS





COMMERCIAL DEVELOPMENT

DESIGN MICHEL TOUBIA DRAFTED JOYCE RAFFOUL

LOT 26, 38 HILL END ROAD, CAERLEON NSW

2850 SCALE 1:100/A1 ED CROSSKILL ISSUE I 19.01.23

<sup>dwg</sup> №. 22323 - 05



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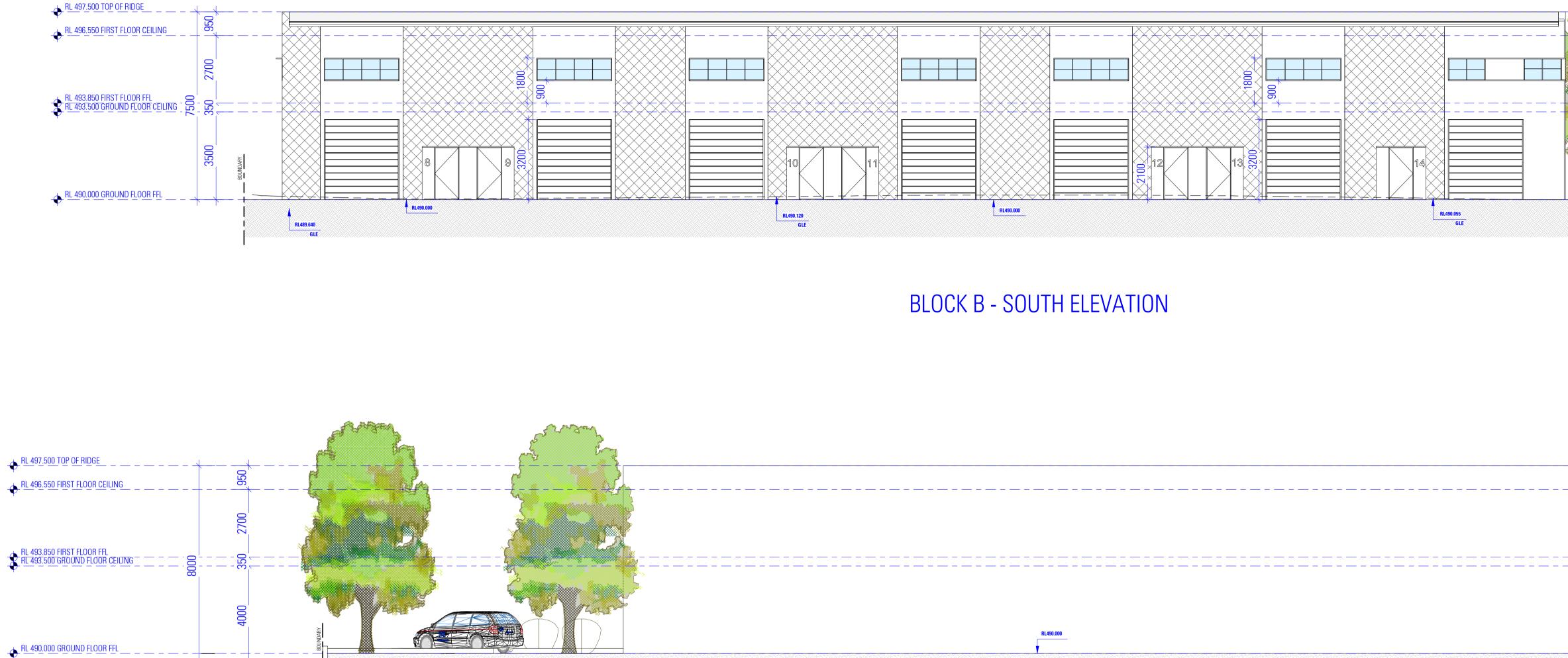
LOT 26, 38 HILL END ROAD, CAERLEON NSW COMMERCIAL DEVELOPMENT

DESIGN MICHEL TOUBIA DRAFTED JOYCE RAFFOUL

NOT FOR CONSTRUCTION

2850 SCALE 1 : 100/A1 ED CROSSKILL ISSUE I 19.01.23

<sup>dwg</sup> №. 22323 - 06

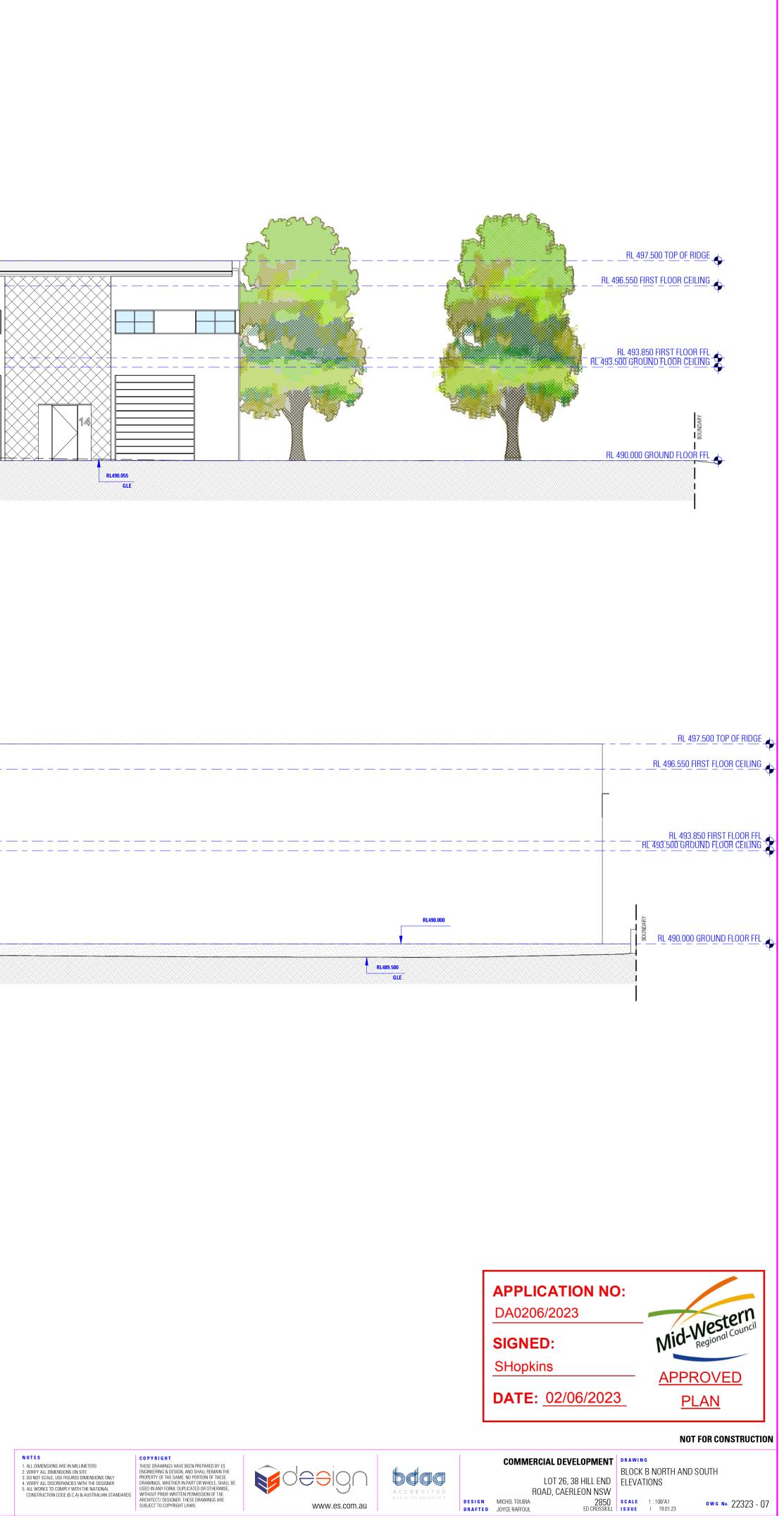


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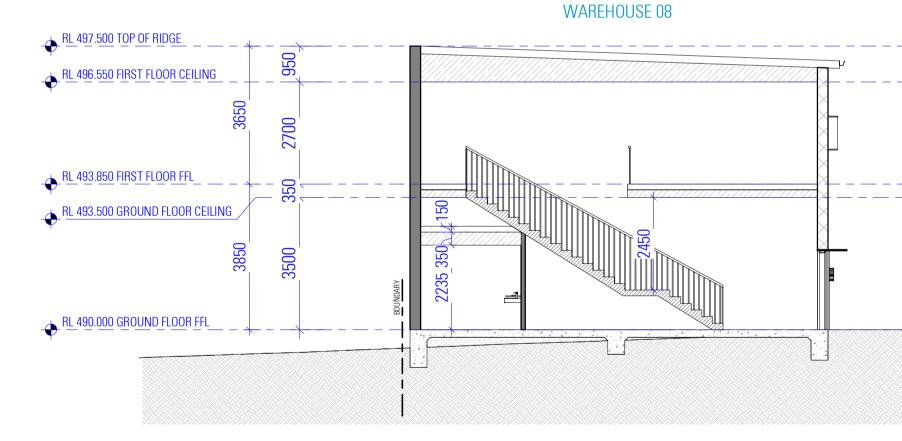
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RL490.000
RL489.580

**BLOCK B - NORTH ELEVATION** 







<u>EARTHWORKS</u> National construction code (NCC)



 FLOORING
 PROPOSED FLOOR CONSTRUCTION TO THE SPECIFICATIONS OF A QUALIFIED PRACTISING ENGINEER. ALL PORCHES, VERANDAHS & THE LIKE TO HAVE A 85mm STEPDOWN FROM INTERNAL AREAS UNLESS NOTED OTHERWISE.

### FOR ALL REDUCED LEVELS REFER TO FLOOR PLANS (ENGINEERS AUSTRALIAN STANDARD (AS) DETAILS TO SUPERSEED-CONFIRM WITH DESIGNER) EARTHWORKS AND EXCAVATIONS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF PART 3.1.1 RESIDENTIAL SLABS & FOOTINGS - AS 2870 CONCRETE STRUCTURES - AS 3600

WALL SCHEDULE

116mm INTERNAL STUD

13mm IMPACTCHEK PLASTERBOARD

90mm STUD

13mm IMPACTCHEK PLASTERBOARD

COMMENCING CONSTRUCTION.

280mm WALL

280mm

CONCRETE BLOCK

NOTES 1. THIS SCHEDULE DETAILS MAIN WALL COMPONENTS ONLY AND THE MEASUREMENTS GIVEN DO NOT INCLUDE RENDER, PLASTER OR THE LIKE. THEY ARE PROVIDED FOR 'CONSTRUCTION' PURPOSES AND SUCH DO NOT REPRESENT THE FINAL WALL THICKNESS. 2. EXISTING WALLS SHOWN SOLID HATCHED.
 3. THE ITEMS PROVIDED ABOVE ARE A GENERAL LIST OF WALL TYPES. VERIFY ALL DISCREPANCIES WITH THE DESIGNER BEFORE

- WALLS NATIONAL CONSTRUCTION CODE (NCC) ALL FRAMING IS TO BE IN ACCORDANCE WITH PART 3.4
  ALL MASONRY IS TO COMPLY WITH PART 3.3 SOUND INSULATION IS TO BE IN ACCORDANCE WITH PART AUSTRALIAN STANDARD (AS) MASONRY CONSTRUCTION - AS3700
   RESIDENTIAL TIMBER FRAMED CONSTRUCTION - AS 1684 TIMBER STRUCTURES - AS 1720 DOMESTIC METAL FRAMING - AS 3623
- STRUCTURE National construction code (NCC) Stair Construction is to comply with Part 3.9.1 STRUCTURAL DESIGN TO BE IN ACCORDANCE WITH AIR 3.3.1
   STRUCTURAL DESIGN TO BE IN ACCORDANCE WITH ACCORDANCE WITH ACCORDANCE ON STRUCTION MANUALS AS LISTED IN PART
- AUSTRALIAN STANDARD (AS) SAA LOADING CODE - AS 1170
   DAMP PROOF COURSES AND FLASHINGS - AS/NZS 2904 STEEL STRUCTURES - AS 410 ALUMINIUM STRUCTURES - AS 1664
  SAA MASONRY CODE - AS 3700
- GLAZING
   POWDER COATED ALUMINIUM FRAMED GLASS WINDOWS &
   DOORS UNLESS NOTED OTHERWISE.
   COMPARISON CODE (MCC) ALL GLAZING IS TO BE IN ACCORDANCE WITH PART 3.6

- WINDOWS IN BUILDINGS AS 2047 GLASS IN BUILDINGS - AS 1288 ROOFING
- NATIONAL CONSTRUCTION CODE (NCC)
   ROOF CLADDING SHALL BE CARRIED OUT IN ACCORDANCE WITH PART 3.5.1 AUSTRALIAN STANDARD (AS) • INSTALLATION OF ROOF TILES - AS 2050 DESIGN & INSTALLATION OF SHEET ROOF & WALL CLADDING -AS 1562.1
- <u>FIRE</u> NATIONAL CONSTRUCTION CODE (NCC) FIRE SAFETY IN ACCORDANCE WITH PART 3.7
   FIRE SEPARATION IS TO BE IN ACCORDANCE WITH PART 3.7.2
   HARD WIRED PHOTO-ELECTRIC SMOKE ALARMS ARE TO BE
- INSTALLED IN ACCORDANCE WITH PART 3.7.5 AUSTRALIAN STANDARD (AS) • SMOKE ALARMS - AS 3786 HEALTH & AMENITY • ALL BATHROOM, ENSUITES AND LAUNDRIES TO HAVE FLOOR WASTES AND BE SETDOWN AND WATERPROOFED.

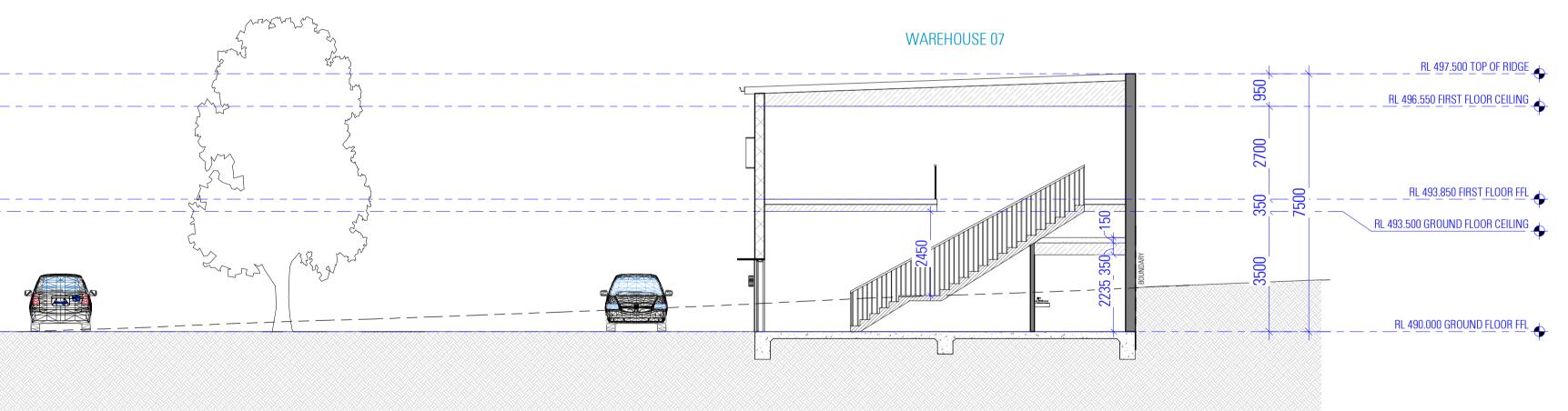
### ACCORDANCE WITH PART 3.8.1 AREAS REQUIRING VENTILATION, WHICH ARE NOT NATURALLY VENTILATED, ARE TO BE PROVIDED WITH MECHANICAL VENTILATION IN ACCORDANCE

NATIONAL CONSTRUCTION CODE (NCC) WET AREAS ARE TO BE WATERPROOFED IN

- WITH MECHANICAL VENTILATION IN ACCORDANCE
   WITH PART 3.8.5
   EXHAUST FROM A BATHROOM, SANITARY COMPARTMENT OR LAUNDRY MUST BE DISCHARGED DIRECTLY (OR VIA A SHAFT OR DUCT) TO OUTDOOR AIR OR A VENTILATED ROOF SPACE IN ACCORDANCE WITH PART 3.8.7
- WATERPROOFING MEMBRANES FOR EXTERNAL ABOVE GROUND USE MUST COMPLY WITH AS 4654 PARTS 1 AND 2. AUSTRALIAN STANDARD (AS)
  WATERPROOFING OF WET AREAS WITHIN RESIDENTIAL
- BUILDINGS AS 3740 ELECTRICAL & LIGHTING - AS/NZS 3000-2007 AND AS1680.0-2009
   THE USE OF MECHANICAL VENTILATION AND AIR-
- CONDITIONING IN BUILDINGS AS 1668 <u>SAFE MOVEMENT & ACCESS</u> National construction code (NCC)
- STAIRS SHALL BE CONSTRUCTED SO AS TO COMPLY WITH PART 3.9.1 ALL BALUSTRADES TO BE A MINIMUM 1000mm ABOVE FINISHED FLOOR LEVEL AND RAILS TO BE SPACED SO AS TO PREVENT A 125mm SPHERE PENETRATING THROUGH AND TO COMPLY WITH PART 3.9.2

## RESIDENTIAL BUILDINGS, WHERE THE FLOOR BELOW THE WINDOW IS MORE THAN 2m ABOVE THE SURFACE BENEATH TO MEET BCA 3.9.2.6. THE WINDOW IS TO BE FITTED WITH EITHER A DEVICE TO RESTRICT THE WINDOW OPENING, OR A SUITABLE SCREEN, SO A 125mm SPHERE CANNOT PASS THROUGH. THE DEVICE OR SCREEN CAN HAVE A CHILD RESISTANT RELEASE MECHANISM (E.G. A KEY LOCK) WHICH CAN ENABLE THE DEVICE OR SCREEN TO BE REMOVED, UNLOCKED OR OVERRIDDEN. (SO FOR EXAMPLE, THE WINDOW CAN BE CLEANED) A BARRIER IS NOT REQUIRED FOR WINDOWS 1.7m OR MORE ABOVE THE FLOOR LEVEL. AUSTRALIAN STANDARD (AS) BALUSTRADES - AS 1170.1 SLIP RESISTANCE OF PEDESTRIAN SURFACES - AS/NZS 3661.2 FIXED PLATFORMS, WALKWAYS, STAIRWAYS AND LADDERS -AS 1657

AUSTRALIAN STANDARD (AS) • CERAMIC TILES - AS 3958 INTERIOR LIGHTING - AS 1680 Section 1



# Section 2



NOTES COPYRIGHT 

 NOTES
 COPYRIGHT

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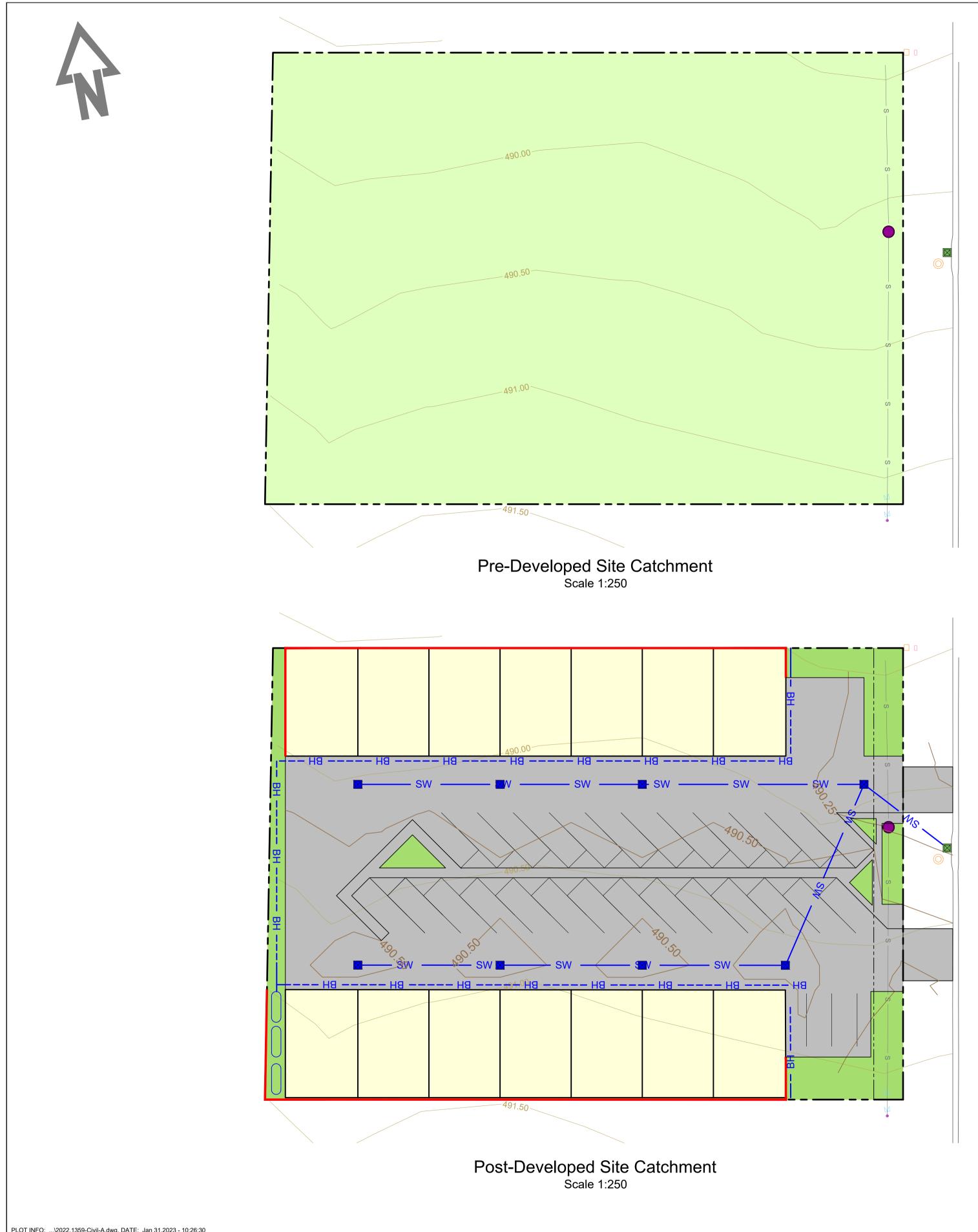
SECTION VIEWS LOT 26, 38 HILL END ROAD, CAERLEON NSW

2850 scale 1 : 100/A1 ED CROSSKILL issue I 19.01.23

DESIGN MICHEL TOUBIA DRAFTED JOYCE RAFFOUL

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dwg №. 22323 - 08



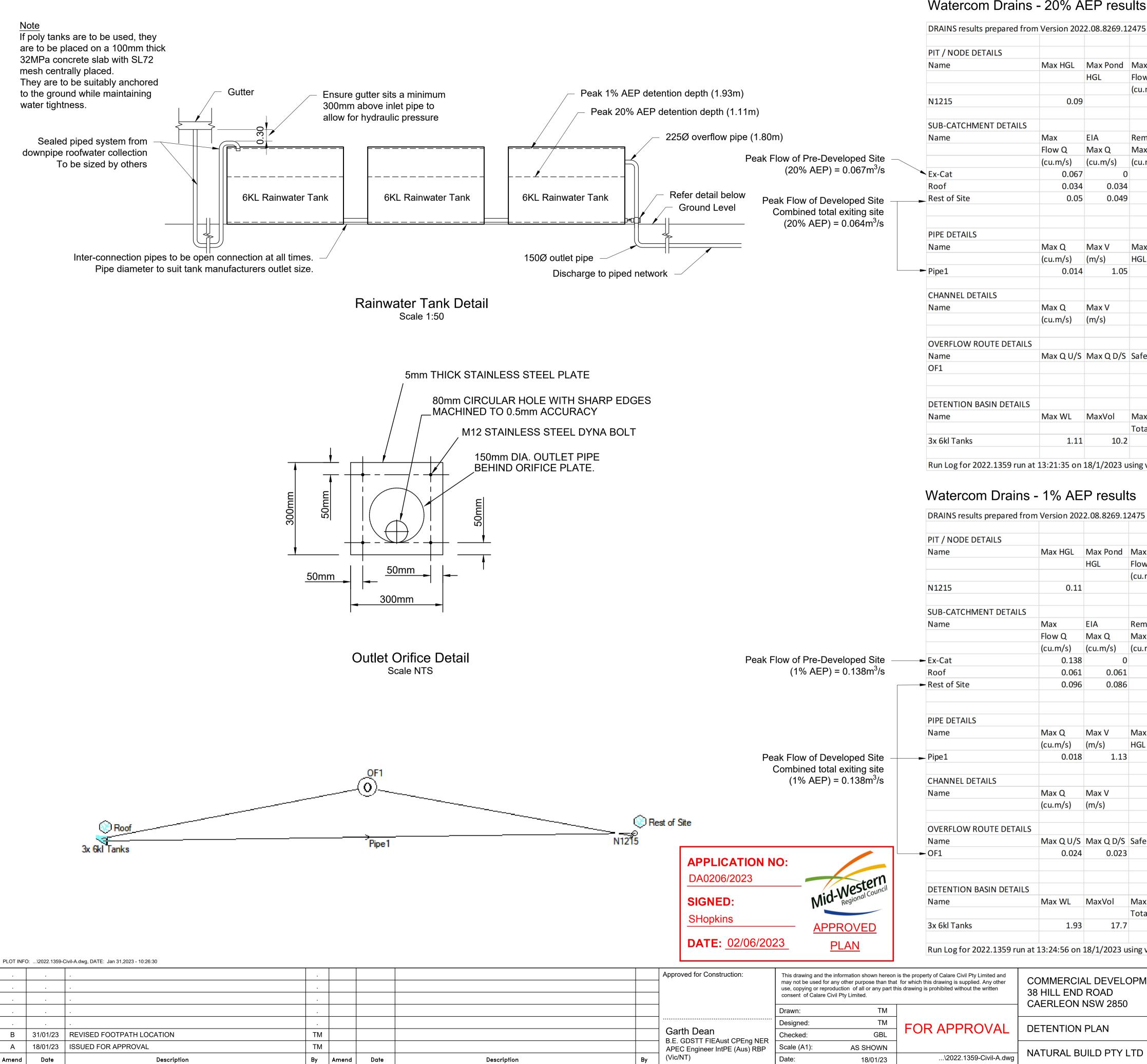
·       ·	mend Date	Description B	Ву	Amend	d Date	te Description	Ву	(Vic/NT)	Date:	18/01/23	\2022.1359-Civil-A.dwg	NATURAL BUILD FIT LTD	
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may not be used for any other purpose than that for which this drawing is supplied. Any other use, copying or reproduction of all or any part this drawing is prohibited without the written consent of Calare Civil Pty Limited.       COMMERCIAL DE 38 HILL END ROA         .									Designed:	ТМ			
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Approved for Construction: This drawing and the information shown hereon is the property of Calare Civil Pty Limited and													
								Approved for Construction:	This drawing and the information shown hereon is the property of Calare Civil Pty Limited and				

EXISTING CATCHMENT TABLE									
CATCHMENT TYPE	WATERCOM DRAINS CATCHMENT TYPE	TOTAL AREA (m <sup>2</sup> )	FRACTION IMPERVIOUS						
EXISTING LANDSCAPING	PA	3000	0.00						
TOTAL SITE AREA		3000	0.000						

DEVELOPED CATCHMENT TABLE									
CATCHMENT TYPE WATERCOM DRAINS CATCHMENT TYPE TOTAL AREA (m <sup>2</sup> ) FRACTION IMPERVIOUS									
PROPOSED BUILDING	EIA	1132	1.00						
PROPOSED CONCRETE	EIA	1606	1.00						
PROPOSED LANDSCAPING	PA	262	0.00						
TOTAL SITE AREA 3000 0.910									

Note: EIA = Effective Impervious Area RIA = Remaining Impervious Area PA = Pervious Area

	APPLICATION NO: DA0206/2023 SIGNED: SHopkins DATE: 02/06/2023	Mid-West Regional APPROVE PLAN	
CAL/	ARECONSULTING ENGINEERS	DWG. No.	.1359 Issue
	STREET, N.S.W. 2795 23343 Fax: (02) 63318210	C06 No. in set	B 13



## Watercom Drains - 20% AEP results

APPLICATION NO:		
DA0206/2023	instern	
SIGNED:	Mid-Western Regional Council	
SHopkins	APPROVED	
DATE: 02/06/2023	PLAN	

DRAINS results prepared from	version 202	2.08.8269.1	2475					
PIT / NODE DETAILS				Version 8				
Name	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constrain	t
		HGL	Flow Arriving	Volume	Freeboard	(cu.m/s)		
			(cu.m/s)	(cu.m)	(m)			
N1215	0.09		0.056					
SUB-CATCHMENT DETAILS								
Name	Max	EIA	Remaining	EIA	RIA	PA	Due to Sto	orm
	Flow Q	Max Q	Max Q	Тс	Tc	Тс		
	(cu.m/s)	(cu.m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)	
Ex-Cat	0.067	0	0.067	5	2	5	20% AEP,	10 min burs
Roof	0.034	0.034	0	5	2	5	20% AEP,	5 min burst
Rest of Site	0.05	0.049	0.002	5	2	5	20% AEP,	5 min burst
PIPE DETAILS								
Name	Max Q	Max V	Max U/S	Max D/S	Due to Storn	n		
	(cu.m/s)	(m/s)	HGL (m)	HGL (m)				
Pipe1	0.014		0.4		20% AEP, 15	min burst, S	torm 7	
CHANNEL DETAILS								
Name	Max Q	Max V			Due to Storn	n		
	(cu.m/s)	(m/s)						
OVERFLOW ROUTE DETAILS								
Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Sto
OF1								
DETENTION BASIN DETAILS								
Name	Max WL	MaxVol	Max Q	Max Q	Max Q			
			Total	Low Level	<b>High Level</b>			
3x 6kl Tanks	1.11	10.2	0.014					

## Watercom Drains - 1% AEP results

DRAINS results prepared from Version 2022.08.8269.12475

		DRAINS results prepared	from version 202	2.00.0209.1	2475
		PIT / NODE DETAILS			
		Name	Max HGL	Max Pond	Max Surface
				HGL	Flow Arriving
					(cu.m/s)
		N1215	0.11		0.107
		SUB-CATCHMENT DETAIL	_S		
		Name	Max	EIA	Remaining
			Flow Q	Max Q	Max Q
			(cu.m/s)	(cu.m/s)	(cu.m/s)
Pea	k Flow of Pre-Developed Site $-$	Ex-Cat	0.138	0	0.138
	(1% AEP) = 0.138m <sup>3</sup> /s	Roof	0.061	0.061	0
		Rest of Site	0.096	0.086	0.01
		PIPE DETAILS			
		Name	Max Q	Max V	Max U/S
			(cu.m/s)	(m/s)	HGL (m)
	Peak Flow of Developed Site — Combined total exiting site	Pipe1	0.018	1.13	0.663
	(1% AEP) = 0.138m <sup>3</sup> /s	CHANNEL DETAILS			
		Name	Max Q	Max V	
			(cu.m/s)	(m/s)	
e		OVERFLOW ROUTE DETA	ILS		
		Name		Max Q D/S	Safe Q
			0.024	0.023	
APPLICATION					
DA0206/2023	Mid-Western Regional Council	DETENTION BASIN DETAI	LS		
SIGNED:	Mid-Vegional Lou	Name	Max WL	MaxVol	Max Q
SHopkins					Total
	<u>APPROVED</u>	3x 6kl Tanks	1.93	17.7	0.042
DATE: <u>02/06/2</u>	2023 <u>PLAN</u>	Run Log for 2022.1359 ru	n at 13:24:56 on	18/1/2023 ເ	sing version 202
ed for Construction:	This drawing and the information shown hereon				
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	Drawn: TM		CAERLEON	1000 2000	
_	Designed: TM				
ו Dean	Objective de la CDI	FOR APPROVAL	DETENTION	r'lan	

	Vorcion 9						
	Version 8 Max Pond	Min	Overflow	Constrain			
: -	Volume	Min		Constrain			
3		Freeboard	(cu.m/s)				
27	(cu.m)	(m)					
07							
	EIA	RIA	PA	Due to Sto	rm		
	Тс	Тс	Тс	Due to Ste			
	(cu.m/s)	(min)	(min)	(min)			
38	5	2			0 min burst,		
0	5	2			min burst, S		
01	5	2		1	min burst, S		
	5			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Max D/S	Due to Storr	n				
	HGL (m)						
63		1% AEP, 15 r	nin burst, Sto	orm 4			
		Due to Storr	n				
	Max D	Max DxV	Max Width	Max V	Due to Sto		
					1% AEP, 15		
	Max Q	Max Q					
	Low Level	-					
42	0.018	0.024					
202	22.08.8269.1	12475					
		1					
							) 10
		UAL	ARE			2022	.13
			С	ONSULTING	ENGINEERS	DWG. No.	lssue
						C07	В
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				PIT	TYPE	Ē	
				GR/	ATE/LID	600x600	
					SIZE DW (LIT/SEC)	600 × 600	27.670
					_OCITY (m/s) _ LEVEL (m)	490.193	1.205
				DIA CLA SLC	DATUM RL 487. METER (mm) ASS DPE/GRADE PTH (m)	_ 22	25Ø PVC 0.50% :200.00
				INV	ERT LEVEL (m	49	
					P OF LEVEL	490.452	
				FIN, SUF	AL RFACE LEVEL	490.452	
tion Bio Bio Bio Bio Bio Bio				CHA	AINAGE	0.000	14.560
PLOT INFO:\202	vil-A.dwg, DATE: Jan 31,2023 - 10:26:32						
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			×			
Amend	Date	Description	Ву	Amend	Date	Description
А	18/01/23	ISSUED FOR APPROVAL	ТМ			
В	31/01/23	REVISED FOOTPATH LOCATION	ТМ			



2/1 1/2 (3/2) (2/2) ш ш ш 8 42.356 29.207 35.830 1.312 1.223 1.275 489.958 489.916 489.869 489.811 00 5 ENTERS 5% AEP HGL က \_\_\_\_ RL 487.78 225Ø PVC 225Ø PVC 225Ø PVC 0.50% 0.50% 0.50% 1:200.00 1:200.00 1:200.00 0.782 0.832 0.905 0 489.566 489.516 443 489.

SCALES: HORIZONTAL 1:500 VERTICAL 1:50

2 SCALES: HORIZONTAL 1:500 VERTICAL 1:50

14.560

820

51

22.700

14.560 <u>99</u>.

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	Approved for Construction:	may not be used for	ne information shown hereon i r any other purpose than that roduction of all or any part th Civil Pty Limited.	COMMERCIAL DEVELOPMENT 38 HILL END ROAD CAERLEON NSW 2850		
		Drawn:	ТМ		CALINEEON INSW 2850	
		Designed:	ТМ	FOR APPROVAL	STORMWATER LONGSECTION NATURAL BUILD PTY LTD	
		Checked:	GBL	FUR AFFRUVAL		
	B.E. GDSTT FIEAust CPEng NER APEC Engineer IntPE (Aus) RBP	Scale (A1):	AS SHOWN			
Ву	(Vic/NT)	Date:	18/01/23	\2022.1359-Civil-A.dwg		
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No. in

set

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170 RANKIN STREET, BATHURST, N.S.W. 2795 Tel: (02) 63323343 Fax: (02) 63318210